

**AGENDA FOR THE 69TH MEETING OF
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID
Saskatoon, Saskatchewan, Canada
Opening Plenary (First Session): 13 August 2018, 11:00 – 12:30 hours
Second Session: 17 August 2018, 09:00 – 12:30 hours
Third Session: 17 August 2018, 13:30 – 17:00 hours**

The International Executive Council (IEC) is vested with the management of the affairs of the International Commission on Irrigation and Drainage (ICID). The IEC considers all matters of policy which may be initiated or sponsored by any member National Committee or Office Bearer or by the Management Board, and may itself initiate and determine or otherwise advise and lay down any matter of policy. All matters affecting the executive or administrative function and financial liabilities of ICID must come up before the Council and its decision shall be conclusive. The IEC consists of the Office Bearers and representative from each National Committee and meets annually.

Opening Plenary (First Session): 13 August 2018, 17:00 – 18:30 hours

IEC Agenda Item 1: Welcome and opening remarks by the President

1. President Er. Felix Reinders will welcome the members and make his opening remarks. President will put the role of ICID within the international water community in perspective, highlight the main achievements of the Commission during the last year since the Mexico City IEC meeting, brief members on the issues that are before IEC for deliberations, and delve on the need for a coherent approach towards the mission of ICID among its various stakeholders.

IEC Agenda Item 2: Scoping out the issues to be addressed during the workbody meetings: Secretary General, Chair of PCTA and Chair of PCSO

2. Secretary General will introduce the Agenda and draw the attention of the members to certain issues such as the Action Plan 2017-21 of Road Map to ICID Vision 2030, International Research Program on Irrigation and Drainage, Technical Support Program, Knowledge Management Strategy and other issues that need the special consideration during the session. He will also give a brief about the procedural aspects regarding the conduct of IEC and Meetings of workbodies, including permanent committees.

3. VPH Dr. Ding Kunlun, Chairman, PCTA and VPH Bong Hoon Lee, Chairman, PCSO will make short presentations on the important aspects that need attention of various Working Groups and how to make the meetings of workbodies reporting to their respective permanent committees, more vibrant and productive.

IEC Agenda Item 3: Presentation by the National Committees: Nepal and Somalia

4. The representatives of National Committees of Nepal and Somalia will make presentations to showcase the activities of NENCID and SONCID, respectively and share some important aspects regarding the agriculture water management scenario in their countries. The NCs look forward to feedback and suggestions from the members on conclusion of their presentations.

IEC Agenda Item 4: Presentation of Awards: WatSave, Best Paper, World Heritage Irrigation Structures

IEC Agenda Item 4.1: Presentation of WatSave Awards

5. The President, in consultation with the Management Board, constituted a Panel of Judges (PoJs) comprising of PH Dr. Saeed Nairizi (Iran) as the Chair and VP Dr. Brian T. Wahlin (USA), VPH Dr. Laszlo Hayde (Hungary), VPH Dr. Mohamed Wahba (Egypt) and Mr. Mehrzad Ehsani, Chair, WG-WATS (Iran) as the members for evaluation of the nominations received for WatSave Awards 2018. The Chair of the Panel will present his report to the Council introducing the works for which the awards have been recommended.

6. President will hand over the plaques and the representative of the host National Committee will present the prize monies to the winners.

IEC Agenda Item 4.2: Presentation of the Award for the Best Paper in the ICID Journal “Irrigation and Drainage”

7. Out of the papers published in the ICID Journal “Irrigation and Drainage” during the year 2017, the best paper to be recognized by the Best Paper Award for 2018, will be announced by Chair of EB-JOUR, PH Prof. Dr. Bart Schultz or his representative Mr. Brent Paterson, Canadian member of EB-JOUR.

IEC Agenda Item 4.3: Recognition of World Heritage Irrigation Structures (WHIS)

8. The Chair of the Panel of Judges VPH Bong Hoon Lee, PCSO Chairman, will present the report to the Council about the identified historical irrigation and drainage structures that will be accorded recognition as “World Heritage Irrigation Structures” and later included in the ICID Register of WHIS on Council’s approval. The representative of the NC whose WHIS have been recognized and recommended to be included in the ICID Register of WHIS will be handed over a “Plaque/Certificate” to this effect.

Second Session: 17 August 2018, 09:00 – 12:30 hours

IEC Agenda Item 5: Action Taken Report on the decisions of 68th IEC and the decisions taken by the Management Board (MB)

9. Actions on all the decisions by the 68th IEC were initiated/completed during the year. A brief report on the action taken on the decisions of the 68th IEC, other than the routine and administrative in nature, is presented in **Annex 1**, page 7. The Secretary General will also present before the Council, the decisions taken by the Management Board on behalf of IEC in accordance with Article 8.1 of the ICID Constitution and Clause 3.9.2 of ICID By-laws, which are listed in **Annex 2**, page 9, for ratification by the Council.

IEC Agenda Item 6: Report by the Secretary General

10. Secretary General Er. Ashwin Pandya will briefly present the Annual Report 2017-18, already circulated, and also present the physical and financial progress on activities undertaken during the period from April 2018 till date to the Council, including report on cooperation and collaboration with various international organizations.

IEC Agenda Item 7: Presentation on Strategy Theme “Knowledge”

11. Co-Theme Leaders of Strategy Theme “Knowledge”, VP Dr. Abdelhafid Debbah (Morocco), VP Dr. Waseen Nazir (Pakistan) will make a presentation on Strategy Theme “Knowledge” to analyze the work undertaken by the group of work bodies under the strategy theme and identify gaps, if any, in fulfilling the objectives of ICID relating to that theme as well as exploring/using interconnections with other themes. The presentation also aims to help in undertaking a creative analysis of functioning of ICID workbodies, their success in achieving mandates and invigorating them within the framework of ICID mission and objectives.

IEC Agenda Item 8: International Research Program for Irrigation and Drainage (IRPID) Scheme

12. VPH Dr. Ding Kunlun, Chair, Advisory Committee for International Research Program for Irrigation and Drainage (AC-IRPID) will present the report of the Advisory Committee for Council’s consideration and guidance to make the IRPID Scheme a globally balanced one in fostering research in irrigation and drainage.

IEC Agenda Item 9: Reports by the Chairs of Permanent Committees

IEC Agenda Item 9.1: Permanent Finance Committee (PFC)

13. VPH Laurie Tollefson, Chairman, PFC will present his report on the 39th meeting of the PFC (to be held on 13 August). The agenda of PFC is given at **Appendix I, page 15**.

IEC Agenda Item 9.2: Permanent Committee on Strategy and Organization (PCSO)

14. VPH Bong Hoon Lee, Chairman, PCSO will present his report on the 29th meeting of PCSO (to be held on 15 August). The agenda of PCSO is given at **Appendix II, page 33**.

IEC Agenda Item 9.3: Permanent Committee for Technical Activities (PCTA)

15. VPH Dr. Ding Kunlun, Chairman, PCTA will present his report on the 38th meeting of PCTA (to be held on 16 August). The agenda of PCTA is given at **Appendix X, page 103**.

IEC Agenda Item 9.4: Discussions and Decisions on the Recommendations of the Permanent Committees

16. The Council will deliberate on the reports and recommendations of PFC, PCSO and PCTA together in totality and will take decisions through resolutions as appropriate duly taking note of the report of the Secretary General under Agenda Item 6. Draft Resolutions (DRs) on the Financial Matters of ICID presented through PFC Report and on the Organizational and Technical Matters of ICID presented through the Reports of PCSO and PCTA, are placed as **DR-1/69 and DR-2/69 (pages 11 and 12)**.

Third Session: 17 August 2018, 13:30 – 17:00 hours

IEC Agenda Item 10: A Road Map to ICID Vision 2030: Activities under ICID Action Plan 2017-2021 – A Review

17. The 68th IEC meeting held in Mexico City, Mexico on 14 October 2017 put in place a mechanism to monitor the progress on the implementation of the Action Plan vide its Resolution IEC-3/68 wherein the WGs are encouraged to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) and report to their respective Permanent Committees. The Council also decided to make use of the process of yearly and quadrennial review of workbody activities by Strategy Theme Leaders to monitor the progress simultaneously and report to IEC.

18. While discerning that the actions in implementing the elements of 'way forward', suggested in the Chapter 5 of the Road Map such as (i) Broad-basing NCs, (ii) Enhancing regional cooperation, (iii) Facilitating technical support to NCs, (iv) Training and capacity development, (iv) Serve as knowledge hub in AWM, (v) Knowledge exchange and collation by WGs, (vi) Extensive use of ICT, (vii) Online services, (viii) Well-organized ICID events, (ix) Efficient functioning of WGs, (x) Encouraging participation of YPs, (xi) Awarding excellence and (xii) Strengthening international collaboration and partnerships have been initiated under different action points, however, the need to enhance the visibility of NCs remains a challenge.

19. The Co- Theme Leaders of Strategy Themes will present the progress made in the implementation of Action Plan by the respective workbodies under their Strategy Themes to the Council, while the Chair of PCSO will present the report about the progress made by the RWGs and Workbodies under the Committee in the implementation of Action Plan.

20. The Council may review the reports and suggest improvements, if any, in the monitoring mechanism that has been presently put in place.

IEC Agenda Item 11: Task Force to Guide the Partnership Process (TF-GPP)

21. A Task Force to Guide the Partnership Process (TF-GPP) has been set up under the chairmanship of President, ICID in compliance with the decision of the 67th IEC at Chiang Mai in November 2016 to provide support to the High Level Advisory Group (HLAG) on "Partnerships for Agriculture Water Management" which is being established following the declaration of the Ministerial meeting held on 6 November 2016 during second World Irrigation Forum (WIF2). The TF will guide the process of developing the partnership further and support the HLAG in taking forward the key initiatives such as (i) Recognition of AWM as a significant component of SDG 6 & 2; (ii) Development of specific AWM indicators and (iii) Knowledge integration through sharing best AWM practices, techniques, manuals, knowledge and practical know how.

22. As per the decision of the first virtual meeting of TF-GPP held on 06 July 2017, the first HLAG meeting was organized during the 23rd ICID Congress at Mexico City on 10 October 2017. The Ministers/Senior Officers of the Irrigation and Drainage departments from ICID NCs and non-member countries, had been invited to attend. Despite the enthusiastic initial response, only Ministers from Iran and Sri Lanka and Senior Officials from Australia, Egypt, Italy, Korea, Mexico, Nigeria, Nepal and Ukraine attended the meeting. Notwithstanding the lukewarm response, the MB at its sixth virtual meeting (MB-6/17) held on 22 November 2017 advised that the efforts to involve the policy makers should be continued. For this, in future, action such as inviting the Ministers and High Officials should be taken well in advance, in order to have at least 10 Ministers at WIF3 to attend the HLAG meeting.

23. President Felix B. Reinders, Chair of TF-GPP will present the report of the TF-GPP meeting held on 12 August at the Council for its consideration and decision about organizing a HLAG meeting at WIF3 in Bali, Indonesia in September 2019.

IEC Agenda Item 12: Possible changes in Constitution/ By-laws

24. As per the decision of 67th Council meeting in Chiang Mai in 2016, a Sub-Committee was set up to look at the possible changes in the Constitution and By-laws under the chairmanship of PH Peter Lee (UK). The Chairman of the Sub-Committee presented its report at the 68th IEC meeting held at Mexico City, Mexico on 14 October 2017 which was unanimously accepted by the Council except the proposal from PCSO to make amendments to ICID By-laws 3.9.5 (c) related to its membership, by including the representative of the Young Professionals as the Vice Chair of the PCSO as this amendment was not circulated among the NCs as part of the Report of Sub-Committee, two months prior to that meeting of the Council, in accordance with the Article 12.2 of the Constitution, last year. Later IEC, on the advice of the Sub-Committee, decided that the proposed amendment may be taken up next time and till that period; the Vice Chair may be included as an Observer to PCSO.

25. Accordingly, based on the recommendation of the Chairman of the Sub-Committee, the proposal is to include the Coordinator of the Young Professionals Forum in the membership of the PCSO, as the Vice Chairperson of the PCSO meeting whenever circumstances permit.

26. In accordance with Article 12 of the ICID Constitution, which requires that the amendments to the Constitution and By-laws be circulated to the National Committees of ICID, the proposed amendment was circulated among the NCs on 31 May 2018 (*more than 2 months in advance of the IEC meeting*), with the request to provide their comments / suggestions, latest by 10 June 2018.

27. Since no comments/suggestions have been received from the NCs by the said date, the Council may approve the proposed amendment to ICID By-law 3.9.5 (c) as given below:

Existing By-law 3.9.5 (c)	Proposed By-law 3.9.5 (c)
<p>The Permanent Committee on Strategy and Organization will be composed of the incumbent Vice-Presidents, the Secretary-General, who will act as the Secretary of the Committee, and three immediate past Vice Presidents. The Chairperson of the Committee will be nominated by the President in consultation with the Secretary-General from amongst the incumbent Vice-Presidents. The Chairperson shall serve the Committee during the tenure of membership of this Committee.</p>	<p>The Permanent Committee on Strategy and Organization will be composed of the incumbent Vice-Presidents, the Secretary-General, who will act as the Secretary of the Committee, and three immediate past Vice Presidents and the Coordinator of IYPeF. The Chairperson of the Committee will be nominated by the President in consultation with the Secretary-General from amongst the incumbent Vice-Presidents. The Chairperson shall serve the Committee during his / her tenure of membership of this Committee.</p>

28. The draft resolution reflecting the Council's decision is presented as **DR-3/69, page 13**.

IEC Agenda Item 13: Status of Future ICID Conferences / Congresses / Forums

29. The IEC has so far approved the venues of the following future major ICID events:

- 9th International Micro Irrigation Conference, Aurangabad, India, 16-18 January 2019
- 70th IEC and 3rd World Irrigation Forum, Bali, Indonesia, 1-7 September 2019
- 71st IEC and 24th Congress, Sydney, Australia, 22-28 September 2020

30. Representatives of INCSW, INACID and IACID may apprise the Council of developments and progress with regard to the organization of the events, if any, as per ICID By-laws 5.7.1.

31. ICID Central Office has invited proposals from NCs for hosting the following future ICID events:

- 27th European Regional Conference (2020 onwards)
- 72nd International Executive Council (2021)
- 14th International Drainage Workshop (2021 onwards)
- 73rd International Executive Council and 4th World Irrigation Forum (2022)

32. Till the time of preparation of the agenda notes, the Central Office has received only one proposal from Moroccan National Committee (ANAFIDE) for hosting the 5th African Regional Conference at Rabat, Morocco from 16-18 March 2020, with duly filled in “Form-A”. Representative from ANAFIDE may like to update the Council with further information.

IEC Agenda Item 14: Celebrating 70th Year of ICID’s Formation

33. It is proposed to celebrate the 70th year of foundation of ICID, beginning from 24th June 2019 to the conclusion of the year in 2020, with the Sydney Congress in September 2020. The Council may consider the following suggestions for marking the celebrations, in a befitting manner as suggested by the first meeting of the Management Board (MB-1/18) held on 03 May 2018 at Kathmandu, Nepal.

- (a) Bringing out a publication with photos and a page write up on the highlights of the operations of each of National Committee, historical background of establishment of ICID and its early years. The publication can be in form of a collectible coffee table book.
- (b) National Committees be requested to organize commemorative functions in their respective countries for improving the awareness about ICID in their respective countries. They may bring out the significant impacts of ICID in the sector as pertinent to their country.
- (c) YPs may be tasked with celebrations and preparation of audio visual material about ICID which can be presented in the congress at Sydney as a conclusion of the celebrations.
- (d) WGs can also be asked to write their own histories and achievements. Special publications on the appropriate subjects in their operative sphere can also be planned for target release in 2020 Congress at Sydney.

34. MB-1/18 suggested that the Central Office may brainstorm with NCs for further defining the mode of celebrations.

35. SG will make a presentation on the proposed activities for celebration of 70th year of ICID formation at the meeting.

IEC Agenda Item 15: Election of the Office-Bearers 2018-2021

36. The 3-year term (2015-2018) of three Vice Presidents listed below will conclude at the end of the 69th IEC meeting at Saskatoon, Saskatchewan and its appurtenant study tours, as per the provisions of Articles 7.2.3 and 7.2.4 of the ICID Constitution.

- (a) Prof. Dr. Charlotte de Fraiture (The Netherlands)
- (b) Mr. Ian William Makin (UK)
- (c) Prof. Dr. Abdelhafid Debbarh (Morocco)

37. In response to the Central Office’s circular inviting nominations for the positions of three Vice Presidents for the term 2018-2021, the following nominations were received in the Central Office by the due date of receipt i.e. 16 April 2018, in compliance with ICID By-laws 2.3.1.

Sl. No.	Nominee	Country	Date of receipt in the Central Office	Validity (<i>including Clause 13.1 of the By-law</i>)
1	Dr. Kamran Emami	Iran	13 February 2018	Valid
2	Mr. Ahmed EL BOUARI	Morocco	18 April 2018	Valid
3	Dr. Marco Arcieri	Italy	5 June 2018	Valid

38. The nomination of Dr. Marco Arcieri was invited from Italian National Committee of ICID under *By-law 2.5 – Nomination by President*, wherein the nomination can be received up to one month prior to the IEC meeting. Since there are only three candidates for three vacant position of Vice Presidents, the voting will take place only to decide the seniority of the three candidates as per By-law 2.8.

IEC Agenda Item 16: Presentation of ICID Plaques to Retiring Vice Presidents and Chairs of Workbodies

IEC Agenda Item 16.1: Retiring Vice Presidents

39. Citation plaques will be presented to the retiring three Vice Presidents for their services and guidance to the ICID activities during their tenure 2015-2018.

- | | | |
|-------------------------------------|-----------------|----------------------------|
| (a) Prof. Dr. Charlotte de Fraiture | The Netherlands | Vice President (2015-2018) |
| (b) Mr. Ian William Makin | UK | Vice President (2015-2018) |
| (c) Prof. Dr. Abdelhafid Debbarh | Morocco | Vice President (2015-2018) |

IEC Agenda Item 16.2: Retiring Chairs of Workbodies

40. The following retiring Chairpersons of Workbodies will be honoured with the presentation of citation plaques for their commendable guidance to the activities of the concerned workbodies.

- i. VPH Bong Hoon Lee, Chairman, PCSO (2016-2018)
- ii. VPH Larry D. Stephens, Chairman, C-PR&P (1992-2017)

IEC Agenda Item 17: Any other business with the permission of the Chair



Annex 1 [IEC Item 5, Para 9]

**ACTION TAKEN REPORT ON THE DECISIONS ON THE
MINUTES OF 68TH IEC MEETING**

Sl. No.	Item	Decisions	Action Taken
1.	Recognition of Heritage Irrigation Structures (HIS)	Approved the inclusion of the identified Heritage Irrigation Structures in "ICID Register of Heritage Irrigation Structures".	Included in the Register maintained at ICID website.
2.	Resolution IEC-1/68 (Sr. No.1)	Appointed VPH Laurie Tollefson as the Chair of PFC for a second term of three years (2017-2019) and approved the nomination of Dr. Marco Arcieri (Italy) as a member of PFC.	The decision has been communicated to VPH Laurie appointing him as Chair for a second term of three years, while Dr. Marco has been informed about his admission as a member of PFC.
3.	Resolution IEC-1/68 (Sr. No.2)	Approved the nominations of (i) Mr. L.B. Roy (India); (ii) Dr. Deepak Khare (India); (iii) Mr. Klaus Rottcher (Germany); (iv) Dayu Water Saving Group Co. Ltd. (China) and (v) Electrosteel Castings Ltd. (India) as direct members.	The decision has been communicated to new direct members and certificates have been issued to them.
4.	Resolution IEC-1/68 (Sr. No.3)	Approved the declaring of NCs of Brazil, Saudi Arabia, Spain and Zimbabwe as 'Associate Members' from 1 January 2018 in accordance with By-laws 13.2	NCs of Brazil, Saudi Arabia, Spain and Zimbabwe were requested to clear membership subscription for current year and also the arrears for the last four years vide e-mail dated January 2018.
5.	Resolution IEC-1/68 (Sr. No.4)	Approved the admission of Afghanistan as a member of ICID in accordance with By-laws 13.5.	The decision of IEC has been communicated to Afghanistan admitting as a member of ICID, effective from 01 January 2018.
6.	Resolution IEC-1/68 (Sr. No.7)	Approved the revised membership subscription formulae and other recommendations of Task Force to Review the Membership Structure and Annual Membership Subscription Formulae (TF-AM).	The revised membership subscription formulae has been implemented with effect from 01 January 2018.
7.	Resolution IEC-1/68 (Sr. No.8)	Approved the setting up of a Special Task Force to explore the feasibility of establishing business(es) related to ICID mission to generate income.	Notified the setting up of the Special Task Force on Independent Business Unit (STF-IBU) with its composition and terms of reference, as approved by MB at its sixth virtual meeting (MB-6/17).
8.	Resolution IEC-2/68 (Sr. No.1)	Approved the membership of Azerbaijan, Georgia and Vietnam provisionally subject to their paying annual subscription on or before 01 January 2018.	The decision has been communicated to Azerbaijan, Georgia and Vietnam. Georgia and Vietnam have paid the membership subscription and become members of ICID.
9.	Resolution IEC-2/68 (Sr. No.1)	Approved the Comprehensive Technical Support Program (TSP).	Notified among NCs and all stakeholders.

Sl. No.	Item	Decisions	Action Taken
10.	Resolution IEC-2/68 (Sr. No.2)	Approved the re-establishment of two existing workbodies, viz. (i) WG on History of Irrigation, Drainage and Flood Control (WG-HIST) and (ii) WG on Sustainable Development of Tidal Areas (WG-SDTA) with revised mandates.	Notified the re-establishment of WGs to all NCs.
11.	Resolution IEC-2/68 (Sr. No.3)	Approved assigning the remaining ToRs of TF-REV to ERWG, i.e. ToRs 3 and 4 to study the financial, operational arrangements of European NCs and the reasons for withdrawal of them from the membership of ICID in the recent past.	This has been communicated to the Chair, ERWG, with the request to present ERWG's recommendations on these ToRs at 69 th IEC meeting.
12.	Resolution IEC-2/68 (Sr. No.4)	Approved the closure of C-PR&P and TF-REV.	These WBs have been formally closed with the acceptance of the closure reports.
13.	Resolution IEC-2/68 (Sr. No.5)	Approved addressing the following issues as part of ToRs of SC-E-THEMES: a. To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective, b. To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc.	Notified the re-constitution of SC-E-THEMES with the revised ToRs.
14.	Resolution IEC-3/68 (Sr. No.1)	Encouraged the WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.	The decision has been communicated to the Chairs of WBs under PCTA and PCSO.
15.	Resolution IEC-3/68 (Sr. No.2)	Approved the process of yearly and quadrennial review of the workbody activities by Strategy Theme Leaders to monitor the progress simultaneously and report to IEC.	The decision has been communicated to the Co-Theme Leaders of Strategy Themes under PCTA.
16.	Resolution IEC-4/68 (Sr. Nos.1&2)	Adopted the amendments to ICID Constitution and By-laws as listed in Annex R4.1 of Resolution IEC-4/68.	Amendments have been incorporated into ICID Constitution and By-laws, which have been circulated among NCs and DMs and uploaded on ICID Website.



Annex 2 [IEC Item 5, Para 9]

**IMPORTANT DECISIONS TAKEN BY THE
MANAGEMENT BOARD ON BEHALF OF IEC
BETWEEN
68TH IEC MEETING (MEXICO CITY, OCTOBER 2017) AND
69TH IEC MEETING (SASKATOON, SASKATCHEWAN, AUGUST 2018)
(And the actions taken thereon)**

Decision	Request
I. Virtual Management Board Meeting No.6/17, 22 November 2017 (via Web Conferencing)	
(a) MB approved the slightly modified composition of TF-GPP by interchanging the positions of PH Dr. Saeed Nairizi and President Felix Reinders.	Endorsement by IEC is solicited.
(b) MB decided to include VP Waseem Nazir (Pakistan) as a member of SC-E-THEMES.	Endorsement by IEC is solicited.
(c) MB approved the composition of a Special Task Force to explore the feasibility of establishing an independent business unit related to ICID mission, the profits of which could plough in as revenue to ICID budget.	Endorsement by IEC is solicited.
(d) MB approved the constitution of an International Steering Committee (ISC) for the 3rd World Irrigation Forum (WIF3) to provide directions, guidance and oversight on all activities and processes.	Endorsement by IEC is solicited.
(e) MB approved the constitution of an International Technical Advisory Committee (ITAC) to advise ISC on thematic topics and technical programs, etc.	Endorsement by IEC is solicited.
(f) MB approved the setting up of a Task Team (TT) to study the feasibility of single membership for regional organizations in terms of the existing constitution and similar demands that may arise from other regions such as Africa, Asia and Europe and address the issues coming out of such a proposal.	Endorsement by IEC is solicited.
II. Management Board Meeting No.1/18, 03 May 2018, Kathmandu, Nepal	
(a) MB approved the proposal for renaming of the scheme "Heritage Irrigation Structures (HIS)" as "World Heritage Irrigation Structures (WHIS)".	Endorsement by IEC is solicited.
(b) MB decided that the concerns of ICID about managing the World Water System Heritage (WSH) as a joint initiative of ICID and World Water Council (WWC) may be brought up with the WWC first through the secretariat level contacts and a better organization may be attempted at the next WWF at Dakar, Senegal.	Endorsement by IEC is solicited.
III. Management Board Meeting No.2/18, 05 July 2018 (via Web Conferencing)	
(a) MB accepted the proposal of Australian NC of ICID (IACID) for the establishment of a Task Team on Rain Water Harvesting (TT-RWH) and approved its mandate and composition.	Endorsement by IEC is solicited.
(b) MB approved the appointment of M/s. Deependra Prashad Architects and Planners (DPAP) for providing architectural consultancy and liaison works towards the construction of additional office space as part of the Central Office Building.	Endorsement by IEC is solicited.



DR-1/69 [IEC Item 9.4, Para 16]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-1/69: FINANCIAL MATTERS OF ICID

THE Council

Accepting the Report of the Chair of the Permanent Finance Committee;

Noting further the report of the Statutory Auditors M/s. P.K. Chopra and Company; and

Considering the recommendation of the Management Board;

Decides Unanimously

1. To approve the nominations of Mr. _____ and Ms. _____ to the membership of PFC.
2. That the individuals and companies listed below, accorded the provisional membership by the Direct Membership Administering Sub-Committee be admitted as members of ICID for the periods for which they have paid subscription.
 - (i) Mr. Sajid Ali Bhutto
 - (ii)
3. That the National Committees of Chad, Madagascar, Tanzania & Ukraine be declared as “Associate Member” from 1 January 2019 as they have failed to contribute ICID subscription for last three years in accordance with By-law 13.2.
4. To approve admission of _____ as a member of ICID in accordance with ICID By-law 9 governing application for membership.
5. To approve the Audited Accounts of ICID for the Financial Year 2017-18 as given in **Annex 1** (of PFC Agenda), **page 27**.
6. To approve the Revised Budget of ICID for the Financial Year 2018-19 and the Budget for the financial year 2019-20 as given in **Annex 2** (of PFC Agenda), **page 32**.
7. To approve the Registration Fee Structure for the 5th African Regional Conference to be held at Rabat, Morocco, March 2020.
8. Approve the recommendations of Special Task Force on Independent Business Unit (STF-IBU) _____.

Appreciates

1. The Chinese Taipei Committee for providing a special subscription of US\$ 5000 towards the publication of ‘Sustainable Development of Tidal Areas’ during the Financial Year 2017-18.
2. Korea Rural Community Corporation (KRC) and Korean NC (KCID) for supporting participation of Young Professional in various activities of ICID.

Requests

1.
2.
3.



DR-2/69 [IEC Item 9.4, Para 16]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-2/69: ORGANISATIONAL AND TECHNICAL MATTERS OF ICID

THE Council

Accepting the reports and recommendations of the Chairs of the Permanent Committees on Strategy & Organization and Technical Activities;

Considering the endorsement by the Management Board; and

Decides unanimously

1. To approve the membership changes of various work bodies of PCTA and PCSO (*to be prepared as an outcome of PCTA and PCSO recommendations*).
2. To approve the Letter of Agreement (LoA) for Hosting Congresses/World Irrigation Forums/Regional Conferences/International Micro Irrigation Conferences/International Drainage Workshops as given in **Annex of C-CONGR Agenda, page 73**.
3. To approve the revised and renamed “World Heritage Irrigation Structures (WHIS)” Scheme as given in **Annex 3 of WG-HIST Agenda, page 163**.
4. To approve the new/existing workbodies with revised mandate on the topics under thematic area of Basin:
 - (i) Working group on Irrigation and Drainage in the States under Socio-economic Transformation (WG-IDSST)
 - (ii) Working Group on Non-Conventional Water Resources for Irrigation (WG-NCWRI)
 - (iii) Working Group on Adoptive flood Management (WG-AFM)
5. To approve the recommendations of ERWG in terms of remaining ToRs 3 and 4 of erstwhile TF-REV to study the financial operational arrangements of European NCs and the reasons for withdrawal of them from membership of ICID in the recent past.

Appreciates

1. The Korean Rural Community Corporation (KRC) and Korean NC (KCID) for their support to the activity of TSU.

Requests

2. National Committees to contribute towards the Fund created for undertaking activities of the Technical Support Unit (TSU) and take full advantage of its establishment of the Unit. Urges NCs to depute volunteers from time to time to undertake the activities of TSU.
3. National Committees to establish Regional Nodes under IRPID Scheme.



DR-3/69 [IEC Item 12, Para 28]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-3/69: CHANGES IN THE BY-LAWS OF ICID

THE Council

Considering the recommendation of the Sub-Committee to look into the possible changes in Constitution and By-laws, established as per the decision of 67th IEC meeting in Chiang Mai, Thailand on 12 November 2016.

Noting the endorsement of the Management Board and the Office-Bearers Committee,

Decides unanimously

1. To adopt the amendments to the By-laws 3.9.5 (c) - The Permanent Committee on Strategy and Organization (PCSO).

Requests

2. Secretary General to update the ICID Constitution and ICID By-laws accordingly and upload on the website and intimate the Registrar of Cooperative Societies, Government of India as per Societies Registration Act, 1860.



**AGENDA FOR THE 39TH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)**

13 August 2018: 13.30-15.00 hours (Session I)
13 August 2018: 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Mandate: The Permanent Finance Committee (PFC) shall be concerned with the financial matters of the Commission and matters having significant financial implications. It will review the receipts and expenditures, advise the Council on the previous year's accounts and on the proposed or provisional budget and will make recommendations on the annual subscriptions and other support required from the National Committees and the Direct Members for the current and future years. It may give its opinion to the President and the Secretary General on the elements to be taken into account to prepare the budgets of the future years. The Committee shall also work out and recommend to the Council ways and means of improving the financial resources of the Commission to meet the financial requirements for undertaking different programs and activities emanating from the other work bodies. The Committee shall set up a Sub-Committee to consider the applications of Direct Members and review the membership of the National Committees in arrears of subscription.

Members: (1) Vice President Hon. Mr. Laurie Tollefson, Chairman (Canada, 2013); (2) Mr. Hao Zhao (China, 2012); (3) Ms. Serpil Koylu Dalgin (Turkey, 2012); (4) Vice President Mr. Naoki Hayashida (Japan, 2014); (5) Vice President Hon. Engr. Husnain Ahmad (Pakistan, 2014); (6) Vice President Dr. Irene Bondarik (Russia, 2014); (7) Mr. Ali Reza Salamat (Iran, 2016); (8) Dr. Marco Arcieri (Italy, 2017); (9) Mr. Hazim Ibrahim Othman Mohammed, Provisional Member (Iraq, 2016) and (10) Er. Ashwin B. Pandya, Secretary General, ICID.

General Note: Conversion rate of US\$ versus INR (₹) (Indian Rupee) used in the budget and forecasts –

Average Exchange rate of 1 US\$ for the last fifteen months					
Month	Indian Rupee	Month	Indian Rupee	Month	Indian Rupee
April 2017	64.24	September 2017	64.45	February 2018	64.48
May 2017	64.43	October 2017	65.07	March 2018	65.03
June 2017	64.52	November 2017	64.86	April 2018	65.68
July 2017	64.45	December 2017	64.25	May 2018	67.52
August 2017	63.98	January 2018	63.63	June 2018	67.31

1. A conversion rate of US\$1 = ₹ 66 was assumed in the forecast for the FY 2017-18 on the basis of exchange rate in the preceding 15 months commencing from April 2016 to June 2017. Subscriptions actually received were of course converted based on the prevalent rate. The difference in the subscription budgeted receipts and the subscription actual receipts due to change in exchange rate are accounted for as part of 'Other Receipts'.

2. Based upon average exchange rate of US\$ 1 for the last fifteen months from April 2017 to June 2018, an exchange rate of US\$ 1 = ₹ 65 has been assumed for the Revised Budget (proposed) for the FY 2018-2019, Budget for FY 2019-20 and Preliminary Budget for 2020-2021 and Forecast Budget for the FY 2021-2022.

PFC Agenda Item 1: Review of the Membership of the Committee

3. According to By-law 3.9.3 (b), PFC shall comprise of the Secretary General (SG) and a minimum of nine and a maximum of fifteen elected members. Presently there are only 10 members on the Committee, including SG. The By-law 3.8.1(c) states that:

"Members of each Committee will be appointed for a three-year term by the Executive Council at the time of a Congress and may continue to function up to a total of six years, continuously or intermittently. Members, who no longer are actively functioning, may be replaced at the time of the Council meeting according to the aforesaid rules".

4. With the conclusion of term of office of six years for Mr. Hao Zhao (China) and Ms. Serpil Koylu Dalgin (Turkey) at the conclusion of the 69th IEC at Saskatoon, Canada, and the discontinuation of the provisional membership of Mr. Hazim Ibrahim Othman Mohammed (Iraq) on account of his absence and non-contribution to the PFC activities, the membership of PFC will come down to seven, two short of the required minimum membership as mandated by ICID By-laws 3.9.3 (b) as stated above. So far no new nominations are received from NCs for the membership of PFC till the time of preparation of the agenda notes.

5. In case, no fresh nominations are received from the NCs to enrich the repertoire of the Committee, the President may nominate additional members in consultation with the Secretary-General, taking into account the specific expertise required and ability to serve, in compliance with ICID By-laws 3.8.1 (b) so that the membership of PFC could be maintained as per ICID By-laws 3.9.3 (b).

PFC Agenda Item 2: Report of the Direct Membership Administering (DMA) Sub-Committee

6. IEC established the Direct Membership Administering (DMA) Sub-Committee with Chair PFC as its Chair and with two members co-opted from PFC and one member from PCSO, and adopted the procedure as laid down in the Guidelines for Administering Direct Membership.

7. This year, the CO has received the following application from Pakistan for Direct Membership which has been found to be complete in all respects.

Sl. No.	Name of Applicant	Country	Type of Membership Applied for
1.	Mr. Sajit Ali Bhutto	Pakistan	Individual (3 Years)

8. The application listed above will be sent to Direct Membership Administering (DMA) sub-Committee in July 2018 for granting provisional direct membership to the applicant as per the criteria laid down for DM, subject to No Objection Certificate from the Pakistan National Committee of ICID (PANCID), which is awaited.

SUPP. 8A: The application form of Mr. Sajid Ali Bhutto for DM was sent to Pakistan National Committee for communicating its NOC, which has been received now. The DM application was sent to the DMA Sub-Committee for its consideration and granting provisional direct membership as per the guidelines laid down for the purpose. DMA Sub-Committee has conveyed granting of direct membership to Mr. Sajid Ali Bhutto.

9. The following 15 Direct Members have been active in ICID activities at the time of preparing this agenda notes:

Sl. No.	Name of Direct Member	Country	Category and Duration of Membership
1	WAPCOS Limited	India	Company (3 years)
2	India Water Foundation (IWF)	India	Institution (1 year)
3	Mr. Y. Abdul Basheer	India	Individual (Retiree) (3 years)
4	Md. Samiul Ahsan Talucder	Bangladesh	Individual (Young Professional) (3 years)
5	Mr. Aytakin Turgay	Turkey	Life Membership (Individual)
6	Prof. Prashanta Kumar Bordoloi	India	Life Membership (Individual)
7	Jain Irrigation System Ltd. (JISL)	India	Company (3 years)
8	Asian Development Bank	Philippines	Institution (3 years)
9	Central Board of Irrigation & Power (CBIP)	India	Institution (3 years)
10	Dr. Ashish Pandey	India	Life Membership (Individual)
11	Prof. Umesh Chandra Chaube	India	Individual (Retiree) (Life Membership)
12	Dr. Deepak Khare	India	Life Membership (Individual)
13	Dayu Water Saving Company	China	Company (3 years)
14	Prof. Dr.-Ing. Klaus Röttcher	Germany	Individual (3 years)
15	Mr. L.B. Roy	India	Life Membership (Individual)
16	Electrosteel Castings Ltd.	India	Company (1 year)

PFC Agenda Item 3: Review of the position of arrears of annual subscriptions from NCs and Membership status

10. **Active NCs in Arrears:** : At the time of writing the agenda notes, a total of 18 active National Committees are in arrears of subscription for 2015, 2016 and 2017 as indicated in paras below:

11. The total amount of arrears for the year 2017 (other than the current year) at the time of preparation of agenda, is US\$ 38,453/- with the NCs of *Burkina Faso, India, Myanmar* (who agreed to pay in five installments of US\$1,293 each, already three installments received), *Nepal, Portugal, Slovenia, Uzbekistan* and USA.

SUPP: 11A. The Committee may like to note that the Nepal National Committee of ICID (NENCID) has cleared their outstanding dues of subscription for the year 2017.

12. For the years 2016 and 2017, the total amount of arrears at the time of preparation of agenda is US\$ 10,110/- with the NCs of *Ethiopia, Malawi and Niger*. The PFC may consider recommending IEC to apply By-law 13.1 to above National Committees debarring them from holding office whether it be as an Office Bearer or as a member of a work body until such time the arrears are paid.

13. In case of Tajikistan, arrears are existing for the past years 2015 and 2016. However, they have paid their subscription for the years 2017 and 2018. PFC may recommend that the pursuation may be continued with the National Committee to clear their dues for the past gap period.

14. At the time of preparation of the agenda notes, the NCs of Chad, Madagascar, Tanzania and Ukraine continue to be in membership subscription arrears for the years – 2015, 2016 and 2017 and the total amount of arrears at the time of preparation of agenda is US\$ 29,250/- besides the membership subscription for the year 2018. Several requests have been made to these NCs to clear their balance of subscription. The PFC may consider recommending IEC to apply By-law 13.2 to above National Committees declaring them as “Associate Members” from 1st January 2019 if their dues are not cleared by 31st December 2018.

15. NCs relegated to Associate Member status: During the 68th IEC at Mexico City, Mexico, it was decided that National Committees of Brazil, Spain, Saudi Arabia and Zimbabwe will be considered as ‘Associate members’ from 1st January 2018 in case dues are not cleared by them by 31st December 2017. The National Committees of Brazil, Spain, Saudi Arabia and Zimbabwe are relegated to category of “Associate Members” with effect from 1st January 2018 since they have not cleared their past dues, in line with the decision of 68th IEC at Mexico (Resolution IEC – 1/68)

16. Mr. Robert Kaufmann vide his e-mail dated 6 February 2018 informed that Swiss National Commission on Agro-Systems and Land Improvement (CH-AGRAM), housing Swiss NC, will be dissolved by 31st March 2018 thereby withdrawing from ICID. He further informed that in respect of future representation of ICID in Switzerland, there are discussions with possible host organizations. In response, it was informed to them that the ICID membership is governed by ICID By-law 13 according to which Switzerland may continue to receive benefits as a member for three more years even without paying subscription, but arrears will build up and which can be paid in due course of time when joining again. CH-AGRAM was suggested to continue to be in ICID fold and in mean time, explore a substitute for CH-AGRAM and pay the arrears then. In response to ICID proposal Mr. Kaufmann informed that according to the current state of the discussions, no Swiss successor organization will fill this gap for the time being. Further, Mr. Kaufmann on 2 May 2018 informed that we definitely like to renounce from now on all ICID services so that any successor organization have no past financial obligations. Notwithstanding, according to By-law 7.2, the withdrawing National Committee or Direct member is obliged to pay full subscription for that year.

PFC Agenda Item 4: Review of the financial status of recently held ICID events

PFC Agenda Item 4.1: 68th IEC and 23rd Congress, Mexico, 08-14October 2017

17. Mexican National Committee of International Commission on Irrigation and Drainage (MXCID) will be make a special contribution to ICID budget amounting to 35% share from the registration fee collected for the 68th IEC and 23rd Congress meetings held in Mexico, Mexico from 08-14October 2017. MXCID has informed vide email dated 2nd June 2018 that they are finalizing accounts and will make special contribution to the ICID budget at the earliest. The Committee may like to record its appreciation to MXCID for the successful organization of 68th IEC and 23rd Congress meetings. MXCID representative will brief PFC and provide latest updates on special contribution to the ICID budget.

PFC Agenda Item 4.2: 8th Asian Regional Conference, Kathmandu, Nepal 02-04 May 2018

18. The 8th Asian Regional Conference (ARC) was held Kathmandu, Nepal from 02-04 May 2018. The Nepal National Committee of ICID (NENCID) has agreed to pay a special contribution to ICID budget amounting to 5% share from the registration fee collected. The Committee may like to record its appreciation to NENCID for the successful organization of 8th Asian Regional Conference (ARC). NENCID representative will brief PFC and provide latest updates on special contribution to the ICID budget.

PFC Agenda Item 5: Review of financial proposals for the forthcoming ICID events

19. The financial arrangements for the 9th Micro Irrigation Conference, Aurangabad, India in January 2019; 70th IEC and 3rd World Irrigation Forum (WIF), Bali Indonesia, September 2019; and 71st IEC, 24th Congress, Sydney, Australia, 22-28 September 2020 were already approved as per minutes of the 37th meeting of PFC of 67th IEC Meeting. Morocco NC (ANAFIDE) has submitted proposal for organising 5th African Regional Conference (5AfRC) at Rabat, Morocco in March 2020. Representative from ANAFIDE will make presentation to PFC for its consideration. PFC may consider and approve the financial arrangements for 5AfRC. Registration fee structure of these events are reproduced below in a tabular format.

Supp Agenda Item 5A: The Moroccan National National Committee was requested to consider reduction of registration fee towards 5th African Regional Conference proposed to be held at Rabat, Morocco in March 2020, accordingly the ANAFIDE has submitted the revised registration fee proposal as below vide their e-mail dated 20 July 2018. PFC may consider and approve the revised registration fee for 5AfRC.

Venue / Year	Aurangabad, India, January 2019*	Bali, Indonesia, September 2019*	Sydney, Australia, September 2020*	Rabat, Morocco, March 2020 (Original)	Rabat, Morocco, March 2020 (Revised)
Events Name	9 th IMIS	70 th IEC and 3 rd WIF	71 st IEC and 24 th Congress	5 th African Region Conference	5 th African Region Conference
Full Registration	\$ 500	\$ 700*	\$ 800	\$ 550	\$ 350
Non-Member Fee	--	--	\$ 900	\$ 650	\$ 400
Young Professional (International)	\$ 250	\$ 400	\$ 400	\$ 250	\$ 175
Young Professional (Local)	\$ 100	--	--	\$ 250	\$ 100
Local Delegates	\$ 200	\$ 200	\$ 800	\$ 200	\$ 150
Retired Professionals (International)	\$ 250	\$ 400	\$ 400	\$ 350	\$ 150
Retired Professional (Local)	\$ 100	--	--	\$ 350	\$ 150
Accompanying Persons (International)	\$ 200	\$ 300	\$ 300	\$ 300	\$ 150
Accompanying Persons (Local)	\$ 100	--	--	\$ 300	\$ 150
Delegates from Low Income	--	--	--	\$ 500	\$ 300
*As approved in 37 th Meeting of PFC (67 th IEC)					

PFC Agenda Item 6: Consider the audited accounts of ICID for the Financial Year 2017-18

PCTA Agenda Item 6.1: Auditor's Report

20. The Auditor's Report (abridged) for the financial year (1 April 2017 to 31 March 2018) is given at **Annex 1**. The PFC may consider and recommend the audited accounts for the year 2017-18 to IEC for its approval with or without comments. Some of the salient points of the Auditor's Report are highlighted in the following paragraphs:

21. The total annual subscription amount receivable from the 59 active National Committees for the year 2017 was US\$ 254,457. Against this, a sum of US\$ 200,322 was received by 31 March 2018. This shows 78.73% realization of the total subscription for the year 2017 as against a sum of US\$ 161,440 that is 63.16% during the year 2016, which is a matter of appreciation. PFC may note that 46 out of 59 active members paid their subscription for the year 2017 as on 20 June 2018. In addition, outstanding subscription arrears amounting to US\$ 79,105 for the year 2016, US\$ 48,278 for the year 2015 and US\$ 9,580 for the year 2014 were also received as on 20 June 2018.

PCTA Agenda Item 6.2: Foreign Currency Accounts

22. ICID had the Foreign Currency Accounts with Canara Bank, New Delhi and HSBC Bank Plc., London, UK. The Committee approved in its 37th PFC of the 67th IEC Meeting closure of more than one foreign currency accounts noting that an institution cannot hold more than one account as per the latest guidelines of Reserve bank of India and Foreign Contribution Regulation Act (FCRA) and its Rules & Regulation. Accordingly, the ICID Central Office US Dollar Account No. 015741000002 and Euro Account No. 0157243000001 had been closed w.e.f. 01st January 2017. FCRA designated Current Account 0157201000032 with Canara Bank is not being used as ICID FCRA registration has been cancelled by the Ministry of Home Affairs. Consequently, only the current account no. 0157201004746 with Canara Bank is in operative status for receiving the foreign currencies without any violation of the respective laws in India.

23. The current account with substantial balance and FDs were opened at HSBC Bank plc., London in 2001 as an alternate account abroad. Over a period of time, a couple of Subscription were received in this account and some payment of M/s Wiley Blackwell were also made for the publication of ICID Journal on Irrigation & Drainage. However, the account became inoperable due to not updating the signatories properly and in time resulting in account becoming eventually dormant in 2016. With a lot of sustained effort by SGH Avinash C. Tyagi together with the Finance Section of ICID, eventually the signatories were validated in 2017.

24. As per decision of PFC in its 38th meeting of 68th IEC, HSBC, London account has been closed and amount available in current account and various FDs has been transferred to ICID account with Canara Bank. Eventually, US\$ 1,67,962.91 was credited in ICID's Current Account No. 0157201004746 after deduction of bank charges of US\$ 185.54.

PCTA Agenda Item 6.3: ICID Employees Provident Fund (EPF) Trust

25. As informed in 38th PFC of 68th IEC, Mexico, ICID EPF Trust (as a private trust) has been registered with Income Tax Department under Section 58-B (1) of IT Act 1922. Subsequently, as a consequence of an amendment in the Finance Act - 2006, it became mandatory for all employers (such as ICID) to obtain exemption from PF authorities in respect of their private trusts. As ICID failed to do the same on time, ICID EPF Trust was de-recognized w.e.f. 01 April 2013 onwards. Subsequently, ICID has registered with and shifted PF accounts of its staff members to Employees' Provident Fund Organisation (EPFO) w.e.f. 01 April 2013.

26. As per the revised audited statement of ICID EPF trust, balance amount paid to Trust Members come to ₹ 20.86 million (US\$ 316,053) against available balance (01 April 2013 to 31st March 2017) of ₹ 17.14 million (US\$ 259,697) in bank account of Trust, making a deficit of ₹ 03.72 million (US\$ 56,364). A provision of ₹ 3.00 million (US\$ 45,455) was made in the balance sheet of FY 2016-2017. Further, a provision of ₹ 0.76 million (US\$ 11,631) has been made in balance sheet of FY 2017-2018 to cover liability on account of payment to EPF Trust members. As per income tax department notices, liability for AY 2014-2015 & 2015-2016 is about of ₹ 03.81 million (US\$ 57,727) and case is under appeal with IT Department. Considering ₹ 0.20 million (US\$ 3,030) for expenses on account of dissolution of ICID EPF Trust and liability on account of income tax, total contingencies of about ₹ 4.0 million (US\$ 61,538) may arise in future. The ICID EPF Trust will be dissolved once IT cases are settled. PFC may consider and approve the provisions.

PFC Agenda Item 7: Budget and Expenditure for the Financial Year 2017-18

PFC Agenda Item 7.1: Comparison of budget estimates and actual expenditure for FY 2017-2018

27. A summary of the outlay for 2017-18 approved by IEC in the last meeting and payment made upto 31 March 2018 is presented at **Annex 2**. Against the anticipated receipts of ₹ 82.66 million (US\$ 1,252,488), the actual receipts were ₹ 71.94 million (US\$ 1,090,009). There is an overall deficit of ₹ 5.40 million (US\$ 81,875) in the FY 2017-18. The actual payments made during 2017-18 were ₹ 77.34 million (US\$ 1,171,884) against the anticipated budgeted payment of ₹ 88.29 million (US\$ 1,337,772).

SPECIAL SUBSCRIPTION

(a) Chinese Taipei Committee (CTCID)

28. A sum of ₹ 0.32 million (US\$ 5,000) were received in December 2017 as a Special Subscription for Sustainable Development of Tidal Areas (SDTA) publication from Chinese Taipei Committee (CTCID), Taiwan.

PFC Agenda Item 8: Budget proposal for the current FY 2018-2019; budget proposal for FY 2019-2020; preliminary budgets for FY 2020-2021 and forecast budget for FY 2021-2022

29. PFC may consider the budget for FY 2018-2019 and recommend it to IEC for approval. PFC may also consider the proposed budget for FY 2019-2020 and recommend it to IEC for approval. The preliminary budget for the FY 2020-21 and forecast budget for FY 2021-2022 are also presented for information.

PFC Agenda Item 8.1: Revised Budget proposal for the current FY 2018-19 (Annex 2)

RECEIPTS

30. **Membership Subscription:** A sum of ₹ 17.25 million (US\$ 265,369) is anticipated to be received from the annual membership subscription with respect to 58 active NCs and Direct Members and as Special subscription from members.

31. **Sale of Publications:** An amount of ₹ 1.21 million (US\$ 18,538) is budgeted to be received from the sale of publications which includes royalty receivable from M/s Wiley-Blackwell, the publisher of ICID Journal - 'Irrigation and Drainage'.

32. **Special contribution to the Budget:** A special contribution of ₹ 6.80 million (US\$ 104,538) is expected from registration fees from NCs hosting the various ICID events held such as 68th IEC and 23rd Congress, Mexico, 2017 as the income could not be received during FY 2017-18.

33. **Interest on Fixed Deposit:** It is estimated that an amount of ₹ 4.85 million (US\$ 74,646) would be received as an interest on FDs with the PSU banks under the head 'Interest on fixed deposits'.

34. **Other Receipts:** An amount of ₹ 1.88 million (US\$ 28,846) is likely to be received in this year which is mainly on account of a refund from the income tax department. The nominal amount is proposed under other miscellaneous receipts for bank saving account interest.

35. **Rent Receipts:** A receipt of ₹ 49.26 million (US\$ 757,908) is anticipated during FY 2018-2019 from the rent for leasing out the part of the office premises at the Central Office building to M/s Yes Bank Ltd. Ten percent of this amount is directly payable to Land & Development Office, New Delhi as their tax; and at the same time, there would be an increase in the Property Tax payable to New Delhi Municipal Committee (NDMC).

EXPENDITURE

36. **Compensation package for Secretary General:** An amount of ₹ 4.14 million (US\$ 63,631) is estimated for payment to Secretary General.

37. **Salary of staff:** Central Office is operating with 16 staff members. During the FY 2017-18, an amount of ₹ 24.71 million (US\$ 380,108) is budgeted for staff salary for the FY 2018-2019 which includes ₹ 0.50 million (US\$ 7,692) estimated to be paid to short-term consultants engaged for specific jobs on a temporary basis, as their professional fee. It may be pointed out that despite the new activities being undertaken and proposed to be

undertaken during the next financial year, the work is being accomplished through the existing staff and partly by hiring the services of consultants on temporary basis.

38. Budget provision also include provision for dissolution of EPF Trust to be undertaken and CPS/ performance incentive. An increase of about eight per cent is assumed due to the anticipated pay increments and inflations.

39. **Superannuation relief to retired employees:** ICID Central Office is giving superannuation relief to its retired employees recruited before 16th July 1997. The amount budgeted under this head for the FY 2018-2019 is ₹ 3.57 million (US\$ 54,892).

40. **Services and Maintenance:** A provision under the head 'Services and Maintenance' is budgeted as ₹ 6.16 million (US\$ 94,769) which is mainly due to the renewal of annual maintenance contracts of various service providers and the increased expenditure on account of inflationary pressure.

41. **Taxes and Utilities:** A provision of ₹ 17.57 million (US\$ 270,308) is proposed for the year against provision of ₹ 17.47 million (US\$ 268,769) during 2016-17. Apart from the highest allocation of ₹ 4.93 million (US\$ 75,800) towards payment to Land & Development Office (L&DO) which is 10% of the total rental receipts from the let out property to M/s Yes Bank Ltd. A provision of ₹ 12.00 million (US\$ 184,615) is made towards the payment of property tax, which is approximately 25% of the total rent. Under a single Indirect Tax titled 'Goods and Services Tax (GST)' which is applicable on ICID, there is a reverse mechanism provision available and accordingly, an amount of ₹ 0.05 million (US\$ 769) is budgeted.

42. **Rehabilitation, Refurbishing and Maintenance of ICID CO Building:** A provision of ₹ 2.80 million (US\$ 43,077) has been made towards this head. The highest provision under the sub head 'Maintenance of ICID Central Building Expenses' is budgeted as ₹ 1.50 million (US\$ 23,077). An additional provision of ₹ 0.50 million (US\$ 7,692) has been made to release withheld payment against activity of covering of courtyard as the related expenditure could not be made during FY 2017-18. The provision under the sub head 'Expansion of CO Building Expenses' is budgeted as ₹ 0.80 million (US\$ 12,308) for engaging firm for architectural consultancy and statutory approvals from concerned government agencies for new building within the ICID Campus.

43. **Publication, Knowledge Management and Dissemination:** A sum of ₹ 4.63 million (US\$ 71,185) is budgeted under this head. This includes provision of ₹ 2.79 million (US\$ 42,877) towards the purchase of copies of the ICID Journal from the publisher, M/s Wiley-Blackwell (UK). This also includes provision for bringing out Special Publications produced by the working groups.

44. **Conference Expenditure:** An allocation of ₹ 2.10 million (US\$ 32,308) has been made for estimated expenditure during this financial year towards expenditure for 69th IEC and American Regional Conference, Canada, 2018; 9th Micro Irrigation Conference and 24th Congress report and preparation of plaques and accordingly budgeted under respective heads.

45. **Cooperation with Other Organizations:** An expenditure of ₹ 0.30 million (US\$ 4,615) is estimated in this financial year for World Water System Heritage Programme and WWC membership fee and accordingly budgeted under respective heads.

46. **Travel Expenditure:** A revised provision of ₹ 2.40 million (US\$ 36,923) against approved provision of ₹ 2.20 million (US\$ 33,846) has been made on account of travel both within India and abroad to attend the international meetings by Secretary General and other professional staff of CO, particularly for attending the 69th IEC and American Regional Conference, Canada, 2018 as well as travel within India for 9th Micro irrigation Conference.

47. **Purchase of Office Equipment:** A sum of ₹ 0.80 million (US\$ 12,308) is estimated which includes purchase of required equipments to be used at ICID Central Office particularly IT equipments for knowledge portal .

48. **Workshops, Trainings and Studies:** An amount of ₹ 3.87 million (US\$ 59,538) has been provided mainly for organization of various workshops and trainings for young professionals including their travel, Regional and National Level Activities and staff participation in workshops and trainings. A provision of ₹ 0.37 million (US\$ 5,692) to undertake some specific studies and work related to updation of Multilingual Technical Dictionary (MTD).

49. **Other Expenditure:** An amount of ₹ 1.15 million (US\$ 17,692) has been provided for this financial year. Basically, the major cost is under subheads 'Subscription Written Off and Exchange Fluctuation Loss. It is notional amount base on ICID earlier experience and also includes bank charges for foreign exchange.

PFC Agenda Item 8.2: Budget proposal for FY 2019-2020; preliminary budgets for FY 2020-2021 and forecast budget for FY 2021-2022 (Annex 2)

RECEIPTS

50. **Membership subscription:** During the year 2019-2020, 2020-2021 and 2021-2022 receipts from membership subscription has been estimated as shown in the **Annex 2** based on the assumption that all the NCs which are members today will continue to be active and paying their annual subscriptions and the rate of subscription will be maintained. A head 'Special Subscription' has also been used for contributions from countries for undertaking specific activities.

51. **Sale of Publications:** An amount of ₹1.31 million (US\$ 20,077) is budgeted to be received from M/s Wiley-Blackwell as royalty from sale of publications, based on the projections provided by the Chairman, EB-JOUR and the agreement (2019-25) with M/s Wiley-Blackwell.

52. **Special Contribution to ICID Budget:** With the ICID share from registration fee from the 69th IEC Meeting and American Regional Conference scheduled to be held in Saskatoon, Canada in 2018 and 8th Asian Regional Conference in Nepal in May 2018, an amount of ₹ 2.93 million (US\$ 45,000) and ₹ 0.42 million (US\$ 6,500), respectively, are expected to be received in the FY 2019-2020. The sums of ₹ 0.59 million (US\$ 9,000) and ₹ 8.78 million (US\$ 135,000) are estimated to be received as registration fees share from the 9th Micro Irrigation Conference in India and 70th IEC & 3rd World Irrigation Forum in Indonesia in 2019 during the FY 2020-2021. A sum of ₹ 16.45 million (US\$ 253,000) is estimated to be received as registration fee share from the 71st IEC and 24th Congress in Sydney, Australia in 2020 in the FY 2021-2022.

53. **Interest and Other Receipts:** It is estimated that interest from fixed deposit from funds parked in Canara Bank would be about ₹ 5.17 million (US\$ 79,492) for the financial years 2019-20 to 2021-22. Amount is higher as compared to year 2018-19 as additional security deposits would be received from M/s Yes Bank Ltd. due to upward revision of rent.

54. **Other Receipts:** An amount of ₹ 5.61 million (US\$ 86,369) in the FY 2019-2020 is likely to be received under this head which is mainly receipt of additional security deposits from Yes Bank consequent to upward revision of rent and expected refund from the income tax department. An amount of ₹ 0.98 million (US\$ 15,000) and ₹ 0.78 million (US\$ 11,923) are likely to be received in the FYs 2020-2021 and 2021-2022 respectively under this head which is mainly on account of a refund from the income tax department.

55. **Rent from Let-out of Office space:** Rent from M/s Yes Bank Ltd. is likely to be received as ₹ 58.13 million (US\$ 894,338) in the FY 2019-2020, 2020-21 and 2021-22. The rent is projected to be higher as compared to the earlier year, due to agreed increase in rent by 18% on account of renewal of the lease agreement for the next three years.

EXPENDITURE

56. **Compensation package for Secretary General:** The sums of ₹ 4.34 million (US\$ 66,815), ₹ 4.56 million (US\$ 70,169) and ₹ 4.79 million (US\$ 73,692) are estimated towards payment to Secretary General for the FYs 2019-2020, 2020-2021 and 2021-2022, respectively. The provision includes possible increase in Dearness Allowance due to inflation.

57. **Salaries and Allowances:** The sums of ₹ 27.54 million (US\$ 423,662), ₹ 29.72 million (US\$ 457,246) and ₹ 33.33 million (US\$ 512,754) are projected under this head for the FYs 2019-2020, 2020-2021 and 2021-2022, respectively which includes ₹ 0.50 million (US\$ 7,692) estimated to be paid to short-term consultants engaged for specific jobs on a temporary basis, as their professional fee. An increase of about eight per cent is assumed due to increments and inflation.

58. **Superannuation relief to retired employees:** ICID Central Office is giving superannuation relief to its retired employees who joined before 16th July 1997. The amounts budgeted under this head for the FYs 2019-2020, 2020-2021 and 2021-2022 are ₹ 3.75 million (US\$ 57,646) ₹ 3.94 million (US\$ 60,538) and ₹ 4.13 million (US\$ 63,569).

59. **Services and Maintenances:** The sums of ₹ 6.65 million (US\$ 102,262), ₹ 7.00 million (US\$ 107,738) and ₹ 7.23 million (US\$ 111,215) have been provided for FYs 2019-2020, 2020-2021 and 2021-2022, respectively towards building maintenance, stationary purchases, outsourcing of watch and ward services; horticultural services, equipment, fees to legal advisor/auditors, maintenance of vehicles, telephones and postage, executive expenses, annual maintenance of equipments etc. This also includes the Hardware upgradation of Computer Systems in the Central Office, in order to keep abreast with the latest configuration.

60. **Taxes and Utilities:** Proposed budgeted amount under this head are ₹ 19.99 million (US\$ 307,477), ₹ 20.02 million (US\$ 307,969) and ₹ 20.05 million (US\$ 308,477) for the FYs 2019-2020, 2020-2021 and 2021-2022, respectively mainly for payment towards property tax, L&DP payment and electricity and water charges.

61. **Rehabilitation, Refurbishing and Maintenance:** A sum of ₹ 1.8 million (US\$ 27,692), ₹ 0.5 million (US\$ 7,692) and ₹ 1.3 million (US\$ 20,000) is budgeted under this head for the FYs 2019-2020, 2020-2021 and 2021-2022, respectively mainly maintenance of ICID CO building including external and internal whitewash in alternate year.

62. **Publication, Knowledge Management and Dissemination:** Proposed budgeted amounts for payments under this head are ₹ 5.43 million (US\$ 83,569), ₹ 5.13 million (US\$ 78,954) and ₹ 5.13 million (US\$ 78,954) for the FYs 2019-2020, 2020-2021 and 2021-2022, respectively. Under this head, major provision of ₹ 2.77 million (US\$ 42,877) have been made for the guaranteed payment towards subscription to M/s Wiley & Blackwell (UK) towards ICID Journal. These provisions are estimated to increase as the number of ICID Journal subscriptions are likely to increase in proportion with the increase in direct membership and young professionals.

63. The budgetary provisions of ₹ 1.3 million (US\$ 20,000) have been made constant for three succeeding years towards software development & website upgradation, purchasing software (SaaS or Cloud Version), etc.

64. **Conference Expenditure:** A sum of ₹ 2.80 million (US\$ 43,077) is budgeted to be spent in FY 2019- 2020 including ₹ 0.3 million (US\$ 4,615) for preparation of new plaque for HIS and provision of ₹ 3.7 million (US\$ 56,923) has been made in FY 2020-2021 including ₹ 0.7 million (US\$ 10,769) for preparation of new plaque for HIS. Since 72nd IEC for 2021 is still to be decided so no provision has been made in the proposed budget for 2021-22 under this head.

65. **Cooperation with other Organisations:** A provision of ₹ 0.36 million (US\$ 5,538) has been made under this head for the FY 2019-20 and a provision of ₹ 0.30 million (US\$ 4,615) has been made for the FYs 2020-21 and 2021-22 to cover expenses for WSH programme.

66. **Travel Expenditure:** An amount of ₹ 2.90 million (US\$ 44,615) is budgeted in FY 2019-2020 towards travel arrangements for meetings in India and abroad. This same amount is further presumed during both FYs 2020-2021 and 2021-2022.

67. **Purchase of Office Equipment:** A sum of ₹ 1.50 million (US\$ 23,077) is kept under this head which include purchase of Server for Knowledge Portal and required miscellaneous assets used at ICID Central Office for the budgeted FYs 2019-2020 and 2020-2021. A sum of ₹ 0.80 million (US\$ 12,308) is budgeted for FY 2021-2022 which includes payment of required miscellaneous assets used at ICID Central Office.

68. **Workshops, Trainings and Studies:** A provision of ₹ 4.0 million (US\$ 61,538) has been kept each during the FYs 2019-2020 and 2020-2021 under this head while provision of ₹ 4.5 million (US\$ 69,231) has been made for the FY 2021-2022. This amount would be utilized mainly for organization of various workshops and trainings for mostly young professionals including their travel, Regional and National Level Activities, undertaking specific studies and staff participation in seminars, workshops etc..

69. **Other Expenditure:** A provision of ₹ 1.05 million (US\$ 16,154) is made under this head for FYs 2019-20 and 2021-22 while it has been kept as ₹ 1.3 million (US\$ 20,000) for the FY 2020-21 which includes bank charges, exchange rate fluctuation, recruitment expenses etc.

PFC Agenda Item 8.3: Internal Transfers

70. ICID is maintaining a Gratuity Fund and Leave Encashment Fund treated as a Fund in Balance Sheet for many years even during the deficit years. Provision for Gratuity and Leave Encashment has been updated as per the applicable provisions of the relevant Acts under Constitution of India. The amount had been transferred and updated to these Gratuity Fund and Leave Encashment Fund during the financial year 2017-2018, an amount of ₹ 6.13 million (US\$ 94,339) was transferred from General Fund to Leave Encashment Fund and Gratuity Fund to maintain balance as per Indian Labour Law. Even then, it is also required to be ensured that the liability is regularly transferred to the Fund in order to avoid any default on staff social security.

PFC Agenda Item 9: Surplus/Deficit and Cash Reserves

71. Taking into account the total Receipts of ₹ 81.24 million (US\$ 1,249,846) and Expenditure of ₹ 74.19 million (US\$ 1,141,354), a surplus of ₹ 07.05 million (US\$ 108,492) is expected for the FY 2018-2019. The arrears were earlier proposed to be paid from January 2016 and accordingly, the provisions were made in the budget proposals of 2018-19. However, the payment of arrears was approved from January 2018 only. This has resulted in surplus

due to saving on this account. Also a surplus of ₹ 10.76 million (US\$ 165,500) and surplus ₹ 09.66 million (US\$ 148,677) and ₹ 13.61 million (US\$ 209,385) are expected in the FYs 2019-2020, 2020-2021 and 2021-2022, respectively.

72. The total cash reserve is only ₹ 40.38 million (US\$ 621,230), which is about 54.4 % of the annual budget for FY 2018-19 as compared to the earlier year cash reserve of ₹ 38.61 million (US\$ 585,061) which was about 44% of the annual budget for 2017-18. However, this is not a desirable situation for the financial sustainability of any organization. Since there are large variations in the yearly revenues due to tricyclic nature of events and consequent revenue. It is therefore recommended that after meeting all the liabilities, the cash reserve may be allowed to be build up at least equal to the annual budgeted expenditure.

PFC Agenda Item 10: Action on Recommendation of the Task Force on ‘Review of Annual Subscriptions’

73. The 66th International Executive Council (IEC), held in October 2015, approved setting up of a Task Force to Review the Membership Structure and Annual Membership Subscription Formulae vide its Resolution IEC-1/66. Accordingly, the TF headed by PFC Chair VPH Laurie Tallefson was set up, which finalized its Report in two parts: (i) financial sustainability of ICID and (ii) review of existing membership subscription formulae. The report was circulated among the NCs and Office Bearers prior to its presentations at the 38th PFC and 68th IEC meetings held in Mexico City, Mexico in October 2017. The 68th IEC, based on PFC recommendation, approved revision of the 1991 formulae as indicated below and directed that the annual subscriptions rates shall be recalculated every three years during the meeting of IEC in a congress year.

74. The Revised Formulae:

$$S(2017) = \{1515 + \text{UNC} + 1900 A^{**0.35}\} \times \{\text{InF}\} \dots \quad \{\text{For NC WITH } A > 9.35 \text{ Mha}\}$$

$$S(2017) = \{1515 + \text{UNC} + 1360 A^{**0.5}\} \times \{\text{InF}\} \dots \quad \{\text{For NC WITH } A < 9.35 \text{ Mha}\}$$

Where

(i) S(2017)= is the subscription in US \$;

(ii) UNC, for countries paying UN contribution

< 0.30 per cent:	UNC = 0
>0.30 per cent but <0.60 per cent:	UNC = US \$ 725
>0.60 per cent but <1.50 per cent:	UNC = US \$ 1450
>1.50 per cent but <3.00 per cent:	UNC = US \$ 2175
> 3.00 per cent:	UNC = us \$ 2900

(iii) A is the Weighted Benefitted Area calculated as follows:

$$\text{Weighted Benefit area} = \text{IA} + (0.5) * \text{DA} \dots \text{if } \text{IA} > \text{DA}$$

$$\text{Weighted Benefit area} = \text{DA} + (0.5) * \text{IA} \dots \text{if } \text{DA} > \text{IA}$$

(Where IA is Irrigated Area and DA is Drainage Area)

(iv) In F is the cumulative Inflation Factor for three years as obtained from the IMF data

75. The council further endorsed the recommendation of PFC that in order to have a smooth transition to the new subscription, the NCs will be provided an opportunity up to 31st December 2017 to confirm the correctness of the Benefitted Area (IA and DA), which were used in calculating the revised annual subscription. Accordingly NCs were requested vide ICID CO e-mails dated 15th November 2017, 06th December 2017, 21st December 2017 and finally, 29th December 2017 to review the annual membership subscription calculations, confirm the correctness of IA and DA or indicate correct areas in case areas are not correct as well as to indicate how they would like to have transition into the new subscription regime within the next three years.

76. The first virtual meeting of the Permanent Finance Committee (PFC) was held on 02 April 2018 to review the status towards response received from the NCs. PFC noted that, 20 active National Committees/Committee (Australia, Bangladesh, Canada, China, Egypt, France, Iran, Iraq, Italy, Japan, Korea Republic of, Russia, Somalia, South Africa, Sri Lanka, Sudan, Chinese Taipei Committee, Ukraine, USA and Zambia) have confirmed their agreement for the revised annual subscription and Subscription Notifications for 2018 have been sent to these 20 NCs/Committee. PFC further noted that Six (6) NCs (Finland, Japan, Morocco, Sri Lanka, Ukraine and United Kingdom) have indicated revised/updated areas and Subscription Notifications for 2018 have been sent to them based on the revised areas indicated by the respective NCs.

77. Six (6) NCs (Estonia, Hungary, Malaysia, Nepal, Turkey and Switzerland) have raised certain issues with regard to identification/reconciliation of irrigated or drained areas to be considered as benefitted area for calculating annual subscription or how they would like to have transition to new revised subscription. PFC was of the view that all sincere efforts need to be made to address the issues raised by each NCs so as to retain their membership even if it involve little financial loss to ICID. PFC agreed with the proposal of the Estonian NC to progressive/graduated transition from present subscription of \$2400 to the revised subscription of \$2605, i.e. 2018-\$ 2400, 2019- \$ 2400 and 2020 - \$ 2605. PFC noted with regret that Switzerland National Committee has discontinued to function from 1 January 2018 due to winding up of CH-AGRAM (Swiss National Commission on Agro-Systems and Land Improvement), organisation hosting Swiss National Committee, without any successor organisation. In respect of other four NCs, PFC suggested to follow up with these NCs on one to one basis to address their concerns and in the meantime to send subscription notification for 2018 based on pre-revised formula and areas, which can be modified once NC communicates revised areas and any difference in the present subscription and revised subscription can be adjusted in subsequent subscription notification. Subscription notification as suggested by PFC have been sent to these six NCs as advised by PFC.

78. PFC noted that remaining 26 National Committees have not responded and revised annual subscription notifications for 2018 has been sent to respective NCs. Since least developed countries have problem of paying increased subscription, if any, PFC in virtual meeting agreed to discuss issue related to revised annual subscription for least developed countries (LDC) during PFC meeting in Canada.

PFC Agenda Item 11: Report of the Task Force on Independent Business Unit (IBU)

79. The 66th Council meetings in October 2015 vide Resolution IEC-1/66, approved setting up a Task Force to Review the Membership Structure and Annual Membership Subscription Formulae. The TF finalized its Report in two parts: (i) financial sustainability of ICID and (ii) review of existing membership subscription formulae. Like any other non-profit or civil society organization, financial sustainability is crucial for the long-term survival and effectiveness of ICID. Among other recommendations, the report also touched upon the need for resource mobilization in order to realize the newly adopted Vision to Action 2030 through the identified goals. PFC at its 38th meeting held in Mexico City in October 2017, considered the financial sustainability report and its recommendations and felt that in order to implement strategies, programs and activities as per the Road Map to ICID Vision 2030, ICID needs to adopt more entrepreneurial routes to financial sustainability by investigating the scope for additional resource mobilization. One possibility in that direction could be to generate income by establishing business. Accordingly, the Council accepted the PFC's recommendation to establish a Special Task Force to explore the possibility of establishing an Independent Business Unit related to ICID mission in order to generate additional income. The MB at its 6th virtual meeting held on 22 November 2017 approved the composition of STF which has been constituted vide Notification No.7 of 2018 dated 15 January 2018 with PH Dr. Saeed Nairizi (Iran) as its Chair.

80. TF-IBU held its first virtual meeting on 26 February 2018 and deliberated on various aspects of establishment of IBU which include need for any amendments in ICID by-laws and those of NCs, type of structure of IBU, measures adopted by similar organisations to generate finances, activities that can be sustainably taken by IBU in view of competitive market environment. After discussion following action points emerged: (a) To get legal and expert advice on possibility of setting up IBU within present mandate of ICID, amendments needed in ICID by-laws and constitution, possible type of structures of IBU, statutory compliances to be fulfilled etc., (b) To identify possible areas of operation, (c) To develop and circulate questionnaire to NCs to get information on challenges in irrigation and drainage sector in their country, their opinion on IBU, possible areas of operation etc., and (d) To explore possibilities of partnership of IBU with selected NCs (Korea, China, Japan etc.) if it is possible legally.

81. The Chair of TT-IBU, PH Dr. Saeed Nairizi and SG A B Pandya would brief the members of PFC during the meeting.

PFC Agenda Item 12: Miscellaneous Financial Issues

PFC Agenda Item 12.1: FCRA Renewal / Restoration

82. As informed in 38th PFC of 68th IEC, Mexico, CO has been making continuous and sincere efforts for restoration of FCRA Registration. Since now 3 years have elapsed since cancellation of FCRA registration, process for fresh FCRA registration is being initiated. As of now, ICID is able to receive only membership subscription, special contribution as share of registration fees, royalty from M/s Wiley-Blackwell and special subscription from members. CO is not be able to receive foreign grants. After getting new FCRA registration CO will be able to take foreign grant. This is for information of the Committee.

PFC Agenda Item 12.2: Reappointment of the Statutory Auditor for the period 2018-2019 to 2020-2021

83. The accounts of ICID shall be audited regularly on yearly basis in a manner to be determined by the Council. As per By-law 7.3, the audited Financial Statement for the preceding year, duly audited, has to be presented to each IEC as part of the Agenda Items for consideration of the Council. Based on the prevalent practice in most International Organizations, the duration of appointment of the Auditor is three years the authority to appoint an Auditor lies with the General Body that is IEC in our case. The current Auditor M/s P.K. Chopra & Company was appointed in 2015 for the period 2015-16 to 2017-2018 in terms of By-law 7.3.1 which state that :

“A Statutory Auditor, who should be a member of the Institute of Chartered Accountants of India (ICAI), shall be appointed by the International Executive Council for a period determined by it but not exceeding three years term subject to a maximum of two terms”.

84. M/s P.K. Chopra & Company has submitted their proposal for renewal of their term for another period of three years on the same terms and conditions and earlier rates of Rs. 92,000 (US\$ 1415)+ Goods & Services Tax (GST). Since firm has the required experience especially in dealing with foreign contributions and audit of non-government institutions and their performance during last three years was satisfactory as they completed their audit well before the stipulated time frame, PFC may consider renewal of their term for a period of three years, i.e. 2018-19 to 2020-21 M/s P.K. Chopra & Company will undertake the following work:

- (a) To audit the books of accounts of the ICID Society of Central Office for the financial year
- (b) To provide guidance in preparing and finalizing the Financial Statements for Indian & Foreign Funds (including providing CA Certificate for FC6), Balance Sheet, Income and Expenditure A/c and Receipt and Payment A/c with relevant schedules and annexures of the ICID Society for the Meeting of PFC (IEC).
- (c) To Provide Tax Audit Report under section 12A (b) of the Income Tax Act, 1961 for the year ending on 31st March i.e.CA certificate (10BB form) of the ICID Society & the CPF Trust and filing thereof.

80. PFC may like to recommend to IEC for reappointment of M/s P.K. Chopra & Company as the Statutory Auditor for the period 2018-2019 to 2020-2021 for ICID.

PFC Agenda Item 13: Any Other Business

Supp 13.1 A. : Pakistan National Committee paid their subscription US\$ 6,533.12/- (US Dollars Six Thousand Five Hundred Thirty Three and cent Twelve only) on 04 July 2018 against subscription amount US\$ 7,210 for the year 2018, US\$ 676.88 short due to exchange rate for US Dollar. They have indicated their inability to make payment of short amount as they processed the payment from financial year 2017-18 and the sanction has lapsed at the end of the financial year in March 2018. Citing the above reasons the PANCID requested vide their e-mail dated 16 July 2018 to waive off the balance subscription of US\$ 676.88 as they are not in a position to make the payment of the balance amount out of current Financial Year 2018-2019 budget. PFC may consider and approve waiving of the short annual subscription of US\$676.88.



INDEPENDENT AUDITOR'S REPORT

P.K.Chopra & Co.
Chartered Accountants (Registered)

To

The Members of the International Executive Council
International Commission on Irrigation and Drainage (ICID-CIID)
New Delhi

Report on Financial Statements

We have audited the accompanying financial statements of **International Commission on Irrigation and Drainage (ICID-CIID) ("the society" - PAN AAAAI1084P)**, which comprise the Balance Sheet as at 31st March 2018, Income & Expenditure, Receipt and Payment for the year then ended and other explanatory information.

Management Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and receipt and payments, of the society in accordance with accounting principles generally accepted in India for Not-for-Profit Organizations.

This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances.

An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

Further we report that, in our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

1. In the case of Balance Sheet, of the state of affairs of the Society as at March 31, 2018; and
2. In the case of Income and Expenditure Account, of the excess of Expenditure over income for the year ended on that date; and
3. And in case of the Receipts and Payments Account, of the Receipts and Payments for the year ended on that date.

Further we report that

- (a) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
- (b) In our opinion proper books of accounts as required by law have been kept by the ICID, so far as appears from our examination of those books.
- (c) The Balance Sheet, Income and Expenditure Account, and Receipt and Payment account dealt with by this report are in agreement with the books of account.
- (d) In our opinion, the Balance Sheet, Income and Expenditure account, comply with the relevant Accounting Standards.

For **P.K. Chopra & Co.**
Chartered Accountants
FRN: 006747N

Place: New Delhi
Date: 30th May 2018

Sd/-
CA Arvind Mongia
Partner
Membership No. 085176

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
BALANCE SHEET AS ON 31ST MARCH 2018**

PARTICULARS		2017-18 Amount INR	2016-17 Amount INR
ASSETS			
Property & Equipment	1	11,016,757	11,266,479
Receivables	2	13,856,911	18,548,685
Stock of Publications	3	—	251,130
Bank Balances & Cash in Hand	4	75,930,397	75,760,428
Subscription Accrued		3,422,773	3,095,246
Total Assets		104,226,838	108,921,968
LIABILITIES			
Gulhati Memorial Lecture Fund	5	256,327	391,359
General Fund	6	47,781,706	55,056,122
Gratuity Fund	7	7,874,160	7,285,304
Leave Encashment Fund	8	6,258,806	5,723,148
Corpus Fund-WID Prizes	9	2,607,098	2,432,501
Security From Tenant	10	24,632,200	24,632,200
Subscription Received in Advance	11	2,373,520	4,086,770
Sundry Creditor, Payables & Provisions	12	10,929,975	9,271,440
Duties & Taxes Payable	13	1,513,046	43,124
Total Liabilities		104,226,838	108,921,968

As per our separate Report of even date attached

For P.K. Chopra & Co.
Chartered Accountants
Firm Registration No. 006747N

Sd/-
Arvind Mongia
Partner
Membership No. 085176

For and on behalf of
International Commission on Irrigation and Drainage (ICID)

Sd/-
Sahdev Singh
Director

Sd/-
Ashwin Balwant Ray Pandya
Secretary General

Places: New Delhi
Dated: 30th May 2018

Annex 1B [Appendix I, Item 6.1]

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2017 TO 31ST MARCH 2018**

PARTICULARS		2017-18 Amount INR	2016-17 Amount INR
INCOME			
Membership & Subscriptions	14	16,673,089	16,771,646
Sale of Publication	15	1,063,971	1,166,292
Special Contribution to the Budget	16	62,700	5,513,406
Interest on Fixed Deposits	17	4,607,794	3,245,951
Other Incomes	18	23,918	1,090,061
Rent and Provision of Services on Let Out Property	—	49,263,828	47,725,895
Special Subscriptions	—	—	3,896,642
Closing Stock	3	—	251,130
	Total	71,695,300	79,661,023
EXPENDITURE			
Opening Stock of Publications	3	251,130	241,800
Compensation for Secretary General	19	3,938,238	3,667,644
Salaries & Allowances	20	28,538,103	28,645,480
Superannuation Relief to Retd. Employees	—	3,397,226	3,541,647
Service & Maintenance	21	5,052,653	4,543,796
Taxes and Utilities	22	16,978,262	16,773,753
Rehabilitation or Refurbishing and Maintenance of ICID CO Building	23	3,529,600	255,108
Publication, Knowledge Management and Dissemination	24	4,156,766	3,457,695
Conference Expenditure	25	2,527,464	1,459,985
Cooperation with Other Organization	—	23,305	54,071
Travel Expenditure	26	1,303,723	862,574
Depreciation on Fixed Assets	1	1,486,452	1,514,683
Workshop, Training and Studies	27	956,568	554,526
Other Expenditure	28	5,705,712	4,829,209
Excess of Income over Expenditures		(6,149,902)	9,259,052
	Total	71,695,300	79,661,023

As per our separate Report of even date attached

For P.K. Chopra & Co.

Chartered Accountants

Firm Registration No. 006747N

Sd/-

Arvind Mongia

Partner

Membership No. 085176

For and on behalf of

International Commission on Irrigation and Drainage (ICID)

Sd/-

Sahdev Singh

Director

Sd/-

Ashwin Balwant Ray Pandya

Secretary General

Places: New Delhi

Dated: 30th May 2018

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
RECEIPT AND PAYMENT ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2017 TO 31ST MARCH 2018**

PARTICULARS		2017-18 Amount INR	2016-17 Amount INR
RECEIPTS			
Cash & Banks (Balance Brought Forward)	29	75,760,429	67,442,621
Membership Subscriptions	30	16,742,447	15,170,429
Sale of Publications	31	1,089,818	80,988
Special Contribution to the Budget	32	62,700	5,096,124
Interest on Fixed Deposits	33	4,797,114	3,732,251
Special Subscription		—	3,743,474
Other Receipts	34	1,459,371	5,470,196
Rent and Provision of Services on Let Out Property	—	47,789,130	47,040,531
Income Tax Refund	35	—	305,180
	Total	147,701,010	148,081,793
PAYMENTS			
Compensation package for Secretary General	—	3,938,238	3,656,094
Salaries and Allowances	36	27,224,770	24,727,620
Superannuation Relief to Retired Employees	—	3,397,226	3,541,647
Services & Maintenances	37	5,103,228	4,782,454
Taxes and Utilities	38	16,983,611	25,929,090
Rehabilitation or Refurbishing and Maintenance of ICID CO Building	39	3,529,600	255,108
Publications, Knowledge Management and Disseminations	40	4,158,824	3,457,695
Conference Expenditure	41	2,243,164	1,013,356
Cooperation with Other Organisation	-	23,305	54,071
Travel Expenditure	42	1,303,723	862,574
Workshops, Trainings and Studies	43	1,016,574	494,520
Purchase of Fixed Assets	44	1,276,721	177,474
Other Payments	45	1,571,629	3,369,661
Cash & Banks (Balance Carry Forward)	29	75,930,397	75,760,429
	Total	147,701,010	148,081,793

As per our separate Report of even date
attached

For and on behalf of
International Commission on Irrigation and Drainage (ICID)

For P.K. Chopra & Co.

Chartered Accountants

Firm Registration No. 006747N

Sd/-

Arvind Mongia

Partner

Membership No. 085176

Sd/-

Sahdev Singh

Director

Sd/-

Ashwin Balwant Ray Pandya

Secretary General

Places: New Delhi

Dated: 30th May 2018

SUMMARY OF APPROVED BUDGET 2017-2018, ACTUAL RECEIPTS/ EXPENDITURE 2017-2018, PROPOSED REVISED BUDGET 2018-2019 AND PROPOSED BUDGETS 2019-2020, PRELIMINARY BUDGET 2020-2021 AND FORECAST BUDGET 2021-2022

	Approved Revised Budget 2017-2018	Actual Receipts/ Expenditure 2017-2018	Approved Budget 2018-2019	Proposed Revised Budget 2018-2019	Proposed Budget 2019-2020	Proposed Preliminary Budget 2020-2021	Proposed Forecast Budget 2021-2022
I RECEIPTS							
1. Membership Subscriptions	17,266,000	17,062,085	19,968,000	17,249,000	19,295,000	19,295,000	19,295,000
2. Sale of Publications	2,309,304	1,089,818	1,344,000	1,205,000	1,305,000	1,305,000	1,305,000
3. Special Contribution to ICID Budget	7,000,000	62,700	3,399,000	6,795,000	3,347,500	9,360,000	16,445,000
4. Interest on Fixed Deposits	4,798,000	4,797,114	5,546,000	4,852,000	5,167,000	5,167,000	5,167,000
5. Other Receipts	2,026,934	1,139,733	2,421,410	1,875,000	5,614,000	975,000	775,000
6. Rent and Maintenance Charges	49,264,000	47,789,130	49,264,000	49,264,000	58,132,000	58,132,000	58,132,000
Total Receipts	82,664,238	71,940,580	81,942,410	81,240,000	92,860,500	94,234,000	101,119,000
II EXPENDITURE							
1. Compensation Package for Secretary General	5,135,000	3,938,238	6,819,000	4,136,000	4,343,000	4,561,000	4,790,000
2. Salaries and Allowances	35,622,980	29,294,103	35,349,000	24,707,000	27,538,000	29,721,000	33,329,000
3. Superannuation Relief to Retired Employees	5,243,000	3,397,226	4,882,000	3,568,000	3,747,000	3,935,000	4,132,000
4. Service & Maintenance	71,91,000	5,076,952	7,341,000	6,160,000	6,647,000	7,003,000	7,229,000
5. Taxes & Utilities	17,470,000	16,978,262	17,525,000	17,570,000	19,986,000	20,018,000	20,051,000
6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building	3,100,000	3,529,600	1,500,000	2,800,000	1,800,000	500,000	1,300,000
7. Publication, Knowledge Management and Dissemination	4,741,000	4,091,766	4,417,000	4,627,000	5,432,000	5,132,000	5,132,000
8. Conference Expenditure	3,500,000	2,292,471	2,100,000	2,100,000	2,800,000	3,700,000	2,000,000
9. Cooperation with Other Organisations	330,000	23,305	330,000	300,000	360,000	300,000	300,000
10. Travel Expenditure	1,800,000	1,303,723	2,200,000	2,400,000	2,900,000	2,900,000	2,900,000
11. Purchase of Office Equipments	1,720,000	1,236,721	800,000	800,000	1,500,000	1,500,000	800,000
12. Workshops, Training and Studies	1,800,000	1,256,561	2,500,000	3,870,000	4,000,000	4,000,000	4,500,000
13. Other Expenditure	640,000	4,925,413	142,000	1,150,000	1,050,000	1,300,000	1,050,000
Total Expenditure	88,292,980	77,344,341	85,905,000	74,188,000	82,103,000	84,570,000	87,513,000
Surplus/(Deficit)	(5,628,742)	(5,403,761)	(3,962,590)	7,052,000	10,757,500	9,664,000	13,606,000

**AGENDA FOR THE 29TH MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

15 August 2018, 13.30-17.00 hours
Saskatoon, Saskatchewan, Canada

Mandate: The Permanent Committee on Strategy and Organization (PCSO) shall be concerned with increasing the number of member countries and assisting the National Committees to become more active in their own countries to achieve the goals set for them from time to time by the Council. The Committee will also coordinate the activities of Vice Presidents (Resolution IEC-3/66)

Members: (1) Vice President Hon. Bong Hoon Lee. Chairman (Korea, 2014); (2) Vice President Hon. Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2014); (3) Vice President Hon. Dr. Ding Kunlun (China, 2014); (4) Vice President Prof. Dr. Charlotte de Fraiture (The Netherlands, 2015); (5) Vice President Mr. Ian William Makin (UK, 2015); (6) Vice President Prof. Dr. Abdelhafid Debbarh (Morocco, 2015); (7) Vice President Dr. (Mrs.) Irena G. Bondarik (Russia, 2016); (8) Vice President Mr. Waseem Nazir (Pakistan, 2016); (9) Vice President Er. Madhav Belbase (Nepal, 2016); (10) Vice President Er. Naoki Hayashida (Japan, 2017); (11) Vice President Dr. Brian T. Wahlin (USA, 2017); (12) Vice President Dr. K. Yella Reddy (India, 2017) and (13) Er. Ashwin B. Pandya, Secretary General, ICID.

Permanent Observers: (i) FAO representative; (ii) World Bank representative; (iii) GWP representative; and (iv) WWC representative.

Ex-Officio Members: Chairpersons of all Regional Working Groups and Working Groups/Committees, and Coordinator, IYPeF, Ms. Kathleen Heuvel (Australia) will act as Vice Chair, PCSO.

PCSO Agenda Item 1: ATR on the Minutes of the 28th Meeting of PCSO

1. An Action Taken Report on the minutes of the 28th meeting of PCSO is placed at **Annex 1**.

PCSO Agenda Item 2: Membership of PCSO and its Workbodies

2. As per ICID By-laws 3.9.5 (c), the three newly elected Vice Presidents at Saskatoon in Canada will become members of PCSO by virtue of the Office they are elected to; and three Vice Presidents Honoraire will retire from PCSO membership on completion of their 4-year term at the end of 69th meeting of IEC.

3. In terms of ICID By-law 3.9.5 (c), VP Dr. Brian T. Wahlin (USA) has been designated as the Chairperson of PCSO, subject to approval of IEC. VP Dr. Wahlin has given his consent to be the chairperson of PCSO. The Chairperson shall serve the Committee up to 2021.

4. PCSO will also consider the proposals from the Chairpersons of various workbodies associated with it, for any changes in their membership.

PCSO Agenda Item 3: Membership of ICID

PCSO Agenda Item 3.1: Status of ICID Memberships and Reactivation of Associate Members

5. An updated list of ICID Network countries as on 01 June 2018 is given in **Annex 2**. The statement below summarizes the region-wise membership status:

Region	Active	Associate Members	Total
Africa	15	02	17
Americas	03	03	06
Asia and Oceania	24	04	28
Europe	16	11	27
Total	58	20	78

6. ICID in association with the Chinese National Committee on Irrigation and Drainage (CNCID) and support from the Korean National Committee on Irrigation and Drainage (KCID) organized five-day Young Professional training program to hone the skills of the budding young professionals on the theme “Performance Assessment of Irrigation Systems” from 9-13 April 2018 at China Hall of Science and Technology in Beijing, China where YPs from a number of countries participated and benefitted. The YPs from DPR Korea have been sponsored by ICID to attend the Training with the objective of capacity development in their country as well as to be benefitted from the membership of ICID. The Central Office has approached the Embassy of DPR Korea in New Delhi, who are in touch with the Central Office for their country’s keen involvement in ICID activities, to initiate the steps to make their country a member of ICID, by providing them with the necessary information.
7. Saudi Arabia has become an Associate Member of ICID with effect from 01 January 2018. The Central Office has taken up with the Royal Embassy of Saudi Arabia in New Delhi to impress upon the Kingdom of Saudi Arabia to clear the arrears of the membership for the years 2014, 2015, 2016 and 2017 and thus become an active member of ICID. Thereafter, an e-mail was received on 01 April 2018 from Mr. Bahaa K. Helmy, Department of International Affairs, Ministry of Environment, Water and Agriculture of Saudi Arabia, asking for the invoices for the membership dues from 2014, including the current year, to make one payment for all previous years. The Central Office has promptly sent the invoices and is now awaiting for the clearance of membership dues of SACID which will eventually make them an active member of ICID.
8. The Zimbabwe National Committee has been requested to clear their membership dues in order to become an active member of ICID. The Ambassador of Zimbabwe in New Delhi has also been approached to impress upon the Government of Zimbabwe about the benefits to be derived from ICID membership and facilitate the clearance of membership dues. In response, Mr. Thubelihle A. Thebe, Secretary, ZwCID, has informed through his e-mail dated 02 February 2018 that the Government of Zimbabwe has no obligation to pay NC subscriptions at present, though previously supported the NC financially and made commitments to continue to do so. The broad-based ZwCID is not in a position to independently raise sufficient funds to pay the subscriptions, and the NC needs to address this issue in future for its financial sustainability. The Office Bearers of ZwCID such as Dr. Conrade Zawe, Chairperson is the Director of Irrigation and Mrs. S. Nyamangara, Treasurer is the Deputy Director, Irrigation, respectively. Mr. Thebe further informed that the Ministry granted the clearance to pay the ZwCID subscription arrears to ICID in 2015; however, the payments of ZwCID were not cleared through the national payments system hence the continued delay in clearing the membership payments to ICID. The NC is making its best efforts to clear the membership dues to ICID at the earliest and is very much committed to its association with ICID. It is expected that the ZwCID soon will become an active member of ICID as the clearance of membership dues are delayed on account of the glitches in the national payment system, which is not in NC’s hands, as intimated by ZwCID Secretary Mr. Thebe.
9. VPH Dr. José A. Ortiz, former Executive Secretary of the Spanish National Committee of ICID (CERYD) informed vide his e-mail dated 24 May 2018 that CERYD has been closed. In April 2018, he had a meeting with the Deputy Director General of Irrigation at the Ministry of Agriculture, who informed him that the person in charge for the future activity between ICID and the Spanish Ministry of Agriculture, or MAPAMA, has been appointed. The person thus appointed by MAPAMA for this task is an Agronomy Engineer, Mrs. Inmaculada Bravo Dominguez, Chief Engineer of Socio-Economic Study Area, at the Deputy Directorate of Irrigation, of General Directorate of Rural Development. Mrs. Inmaculada Bravo Domínguez is also in touch with the Central Office on how to proceed to make the change regarding the contact point for Spanish NC of ICID. In the meanwhile, SG had a meeting with the Officials from the Spanish Embassy in New Delhi who have agreed to provide ICID with services such as translation of ICID periodicals into Spanish for circulation among the Spanish speaking countries and uploading on ICID website. Since then few bulletins and concise ICID roadmap have been translated and circulated to Spanish speaking countries.
10. During the 23rd ICID Congress and 68th IEC meeting held in October 2017 at Mexico City, Mexican NC of ICID (MXCID) organized preparatory meetings on 11 and 13 October 2017 with support from the National Water Commission (CONAGUA) and Mexican Institute of Water Technology (IMTA) with the objective to foster dialogues and cooperation among the Latin American countries to deal with different aspects of irrigation and drainage management under the umbrella of American Regional Working Group (AMRWG). Among, others, one of the recommendations of the meeting was to incorporate Latin American and Caribbean Region into ICID as a single member, with regional representation. The recommendation is being considered by a Task Team constituted under the Chairmanship of PH Peter Lee, who will present TT’s findings under **agenda item 3.4**. In order to continue the efforts of bringing more Latin American countries to ICID fold, a half-day ‘Regional Special Session’ of Latin American Countries on the theme ‘Climate change, water management and competing demands for water’ is being organized at Saskatoon, Canada on 14 August 2018. It is expected that more countries from Latin American and Caribbean regions will join ICID in order to be benefitted from its activities.
11. A Dam Administration Authority (DAA) has been recently formed in Greece, with its main task of overseeing the application of the Dam Safety Regulation (DSR), a set of rules governing the design, construction and operation of dams and reservoirs in Greece. Mr. Antonios Kotsonis, Chairman, General Director of Hydraulic, Port

and Building Infrastructure, Ministry of Infrastructure and Transport expressed DAA's desire to establish links with ICID and participate in its activities mainly related to the safety of dams and reservoirs, drafting of such regulations and their application in practice. The Greece is an associate member since 2012 and the Central Office is vigorously trying to rejuvenate the Greek National Committee of ICID through available contacts. It has also provided DAA with the required information and expects that the Greek NC will soon become active.

12. During PH Dr. Chandra Madramootoo's visit to Central Office in February 2018, the issue of Brazilian NC's (ABID) revival was discussed as Brazil, a very active member of ICID, has become an associate member since 01 January 2018, due to non-payment of subscriptions under the prevailing ICID by-laws. Dr. Chandra provided certain leads to reactivate the Brazilian NC, while appreciating the efforts of Mr. Helvecio Mattano Saturnino, President of ABID. Accordingly, Secretary General held interactions with a number of Brazilian authorities representing governmental and private organizations during the WWF8 in Brazil in March 2018 about the reactivation of the membership of Brazil in ICID. He briefed Dr. Prezado Frederico, Dr. Silvio Carlos Ribeiro Vieira Lima; Dr. Lineu Neiva Rodrigues; Eng. Frederico Belem; Dr. Gustavo Dos Santos Goretti; Dr. Ricardo Medeiros de Andrade; and Dr. Burno Vicente Marques about the activities of ICID and urged them for strengthening and creating a partnership among the likeminded organizations, for the best interest of their country. Dr. Burno Vicente Marques, Environmental Manager, Secretary of Environment and Water Resources from Brazil, responded positively and more are expected to follow the suit.

13. Mr. Robert Kaufmann vide his e-mail dated 6 February 2018 informed that Swiss National Commission on Agro-Systems and Land Improvement (CH-AGRAM), housing Swiss NC, will be dissolved by 31st March 2018 thereby withdrawing from ICID. He further informed that in respect of future representation of ICID in Switzerland, there are discussions with possible host organizations. In response, it was informed to them that the ICID membership is governed by ICID By-law 13 according to which Switzerland may continue to receive benefits as a member for three more years even without paying subscription, but arrears will build up and which can be paid in due course of time when joining again. CH-AGRAM was suggested to continue to be in ICID fold and in the mean time, explore a substitute for CH-AGRAM and pay the arrears then. In response to ICID proposal, Mr. Kaufmann informed that according to the current state of the discussions, no Swiss successor organization will fill this gap for the time being. Further, Mr. Kaufmann on 2 May 2018 informed that they definitely wished to renounce from then on all ICID services. Reason for this is on the one hand is that according to present information, there is neither a successor member organization visible in the near future, nor a user group and on the other hand, a possible successor organization should be able to restart on the basis of a new agreement with ICID, without any financial obligations from the past.

14. At the initiative of KCID and VPH Bong Hoon Lee (Korea), the Vietnam joined ICID as a National Committee with effect from January 2018. Similarly, VP Irene Bondarik (Russia) facilitated the membership of Georgia effective from January 2018.

15. The National Committees have been advised from time to time to broad-base their membership at the national level in order to provide a platform to all the stakeholders in the agriculture water management, as a follow up of the Resolution No.IEC-1/64. This may result amendments in the constitution of NCs and they have been requested to provide a copy of the amended constitution to CO for its record. Forty nine NCs have so far provided the copies of their constitutions to the Central Office for record.

PCSO Agenda Item 3.2: Vice Presidents' reports: Strengthening regional cooperation and activities of National Committees

16. Consequent upon the election of three new Vice Presidents at the 68th IEC meeting held at Mexico City on 14 October 2017, a redistribution of the Regions / National Committees amongst the newly elected and current Vice Presidents for the year 2017-18 was effected. The NCs are always encouraged to hold web conference with ICID Central Office or the Vice President in-charge on any issue that they may want to discuss or seek clarification and the Central Office is always facilitating such web meetings.

17. Georgia has become a member of ICID which has been facilitated by VP Irene Bondarik, who has been pursuing ICID membership in the region, by holding talks with the authorities in Azerbaijan, Latvia, etc.

18. ICID has supported the regional cooperation amongst the NCs by organizing the training programs, workshops, research in irrigation and drainage. The IRPID Scheme is aimed to fostering region based research in irrigation and drainage by forming the Regional Nodes by involving the member countries of ICID located in a particular geographical region(s). Thus, ICID is encouraging the establishment of regional nodes in Mediterranean and Africa Region, involving the countries such as Italy and Egypt taking lead, with the support of Morocco and Sudan, depending on the agro-climatic conditions prevailing in the regions.

19. In an encouraging example of regional cooperation among NCs, ICID supported the YP Training Program for Asian Young Irrigation Professionals organized jointly by the NCs of China and Korea in Beijing, China followed by a 2-day workshop organized by CNCID for Young Professionals in April 2018 in which a number of ICID's Office Bearers shared the country-specific experiences. Nepal NC has also organized a YPs training program for young professionals in irrigation sector during the 8th Asian Regional Conference in May 2018 at Kathmandu, Nepal. These YPs selected from various NCs have got an opportunity to interact among themselves, thus fostering a relationship among the YPs, as they are seen as the future of ICID.

20. The NCs of Iran and Russia signed an Action Plan (Protocol I) for joint research collaboration between the two NCs on 01 November 2017 in Ahwaz, Iran.

21. The Ministry of Water Resources of China, together with Hohai University, is conducting a Master Program on Water Professionals under the "Belt and Road" Program. Under this program, Chinese government will provide scholarship to support water professionals from other countries to obtain master degree of water-related majors at Hohai University (Nanjing, China). CNCID, at the request of Ministry of Water Resources, has invited the NCs of Bangladesh, Indonesia, Iran, Malaysia, Pakistan, Tajikistan and Uzbekistan to nominate 2 candidates each for the program. This will definitely help in the growing collaboration among the NCs in Asia region.

22. PH Dr. Saeed Nairizi of IRNCID and VPH Dr. Mohamed Wahba of ENCID visited Morocco following an invitation from Pr El Houssine Bartali, Vice President of l'ANAFIDE. The visit was part of enhanced cooperation between the NCs of Iran, Egypt and Morocco in various ICID programs such as IRPID, TSP, etc.

23. Associate Members have been requested to reinstate the activities within the countries and at the same time renew their membership by paying the subscription fees due. Vice Presidents of the concerned regions have also requested to use their good offices for reactivation of such NCs. With the active support of Central Office, the Vice Presidents have been in correspondence with countries in their region in order to reactivate or motivate the deemed inactive NCs to again become active members of ICID. VPs may like to provide a brief report on their efforts in this direction and results achieved thereon. The Committee may also suggest ways and means to reactivate the Associate Members, in view of the Vice Presidents' reports.

PCSO Agenda Item 3.3: Recommendations of the Direct Membership Administering (DMA) – Sub Committee

24. This year, the CO has received one application from Pakistan for Direct Membership which has been found to be complete in all respects.

Sl. No.	Name of Applicants	Country	Type of Membership Applied for
1.	Mr. Sajid Ali Bhutto	Pakistan	Individual (3 years)

25. The application listed above will be sent to Direct Membership Administering (DMA) Sub-Committee for granting provisional direct membership to the applicant as per the criteria laid down for DM, subject to No Objection Certificate from the Pakistan National Committee of ICID (PANCID), which is awaited.

26. The following 16 Direct Members have been active in ICID activities at the time of preparing this agenda notes:

Sl. No.	Name of Direct Member	Country	Category and duration of Membership
1	WAPCOS Limited	India	Company (3 years)
2	India Water Foundation (IWF)	India	Institution (1 year)
3	Mr. Y. Abdul Basheer	India	Individual (Retiree) (3 years)
4	Md. Samiul Ahsan Talucder	Bangladesh	Individual (Young Professional) (3 years)
5	Mr. Aytekin Turgay	Turkey	Life Membership (Individual)
6	Prof. Prashanta Kumar Bordoloi	India	Life Membership (Individual)

Sl. No.	Name of Direct Member	Country	Category and duration of Membership
7	Jain Irrigation System Ltd. (JISL)	India	Company (3 years)
8	Asian Development Bank	Philippines	Institution (3 years)
9	Central Board of Irrigation & Power (CBIP)	India	Institution (3 year)
10	Dr. Ashish Pandey	India	Life Membership (Individual)
11	Prof. Umesh Chandra Chaube	India	Life Membership (Individual Retiree)
12	Dr. Deepak Khare	India	Life Membership (Individual)
13	Dayu Water Saving Company	China	Company (3 years)
14	Prof. Dr.-Ing. Klaus Röttcher	Germany	Individual (3 years)
15	Mr. L.B. Roy	India	Life Membership (Individual)
16	Electrosteel Castings Ltd.	India	Company

PCSO Agenda Item 3.4: Task Team to study the feasibility of Single Membership for Regional Organizations (TT-RO) – Report by the Chair

27. At the initiative of the host NC of 23rd ICID Congress and 68th IEC meeting -- Mexican NC of ICID (MXCID), the Latin American Meeting on Irrigation and Drainage was organized on 11 and 13 October 2017. The meeting was sponsored by the National Water Commission (CONAGUA), with technical support from Mexican Institute of Water Technology (IMTA).

28. The Latin American Meeting on Irrigation and Drainage held on 11 October 2017 at Mexico City organized with the objective to foster dialogues and cooperation among the Latin American countries, recommended that the Latin American and Caribbean Region be incorporated into ICID as a single member, with regional representation. The MB at its sixth virtual (MB-6/17) meeting held on 22 November 2017, decided to set up a Task Team (TT) to study the feasibility of such a proposal in terms of the existing constitution and similar demands that may arise from other regions such as Africa, Asia and Europe and address the issues coming out of such a proposal.

The Task Team, set up under the chairmanship of PH Peter Lee, held its first meeting on 20 May 2018 to consider the recommendation of single membership for regional organizations representing a group of countries such as SARIA, etc. and its implications and recommendations thereon, including the consequent changes in Constitution and By-laws of ICID, if any. TT opined that since MXCID has brought the proposal of regional representation, they should take a lead for developing the concept further giving details of kind of setup envisaged, expectations from ICID and what ICID can offer them.

29. PH Peter S. Lee, Chair will present the report/ recommendations of TT at the meeting for Committee's consideration and appropriate recommendation.

PCSO Agenda Item 4: Road Map to ICID Vision 2030: Review of the Action Plan 2017-2021

30. The activities identified in the Action Plan 2017-21, appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) are committed to be achieved in a period of five years. These activities were identified by the various RWGs, WGs, NCs and Central Office under various strategies of ICID's six organizational goals so as to put the Vision to Action over a five-year period, which is to be reviewed and monitored annually during the Council meetings.

31. In order to implement the action plan to convert vision to action, the availability of resources in terms of voluntary inputs from national experts spread across many countries and disciplines need to be maintained. The resources of ICID network, which mainly consist of membership fee from the National Committees (NC) from the member countries and the voluntary time of the participating experts, are limited.

32. For maintaining the size of the network, which is already hovering around a minimum critical mass, has remained a challenge. Innovative means of raising resources both at NC level as well as at the global level will be a considerable challenge for the network.

33. The actions in implementing the elements of 'way forward', suggested in the Chapter 5 of the Road Map such as (i) Broad-basing NCs, (ii) Enhancing regional cooperation, (iii) Facilitating technical support to NCs, (iv) Training and capacity development, (iv) Serve as knowledge hub in AWM, (v) Knowledge exchange and collation by WGs, (vi) Extensive use of ICT, (vii) Online services, (viii) Well-organized ICID events, (ix) Efficient functioning of WGs, (x) Encouraging participation of YPs, (xi) Awarding excellence and (xii) Strengthening international collaboration and partnerships have been initiated under different action points, however, the need to enhance the visibility of NCs remains a challenge.

34. Under the suggested monitoring mechanism by the Committee last year, the WGs have been requested to monitor the progress of activities and report it to their respective Permanent Committees. The Strategy Theme leaders will also take stock of the progress of the activities to be undertaken by the WGs under four strategy themes of PCTA and present it in their synthesis reports.

35. PCSO may review the Action Plan 2017-21 based on the progress achieved by RWGs and workbodies reporting to the Committee and suggest appropriate ways and means to achieve them.

PCSO Agenda Item 5: Knowledge Management Strategy

36. The Committee in its last meeting at Mexico City, acknowledged the need for a more integrated approach of Knowledge Management within ICID, being a knowledge based network, and particularly in view of the 'Road Map for ICID Vision 2030'. Last year, the Committee considered the "Concept note on the Knowledge Management Strategy (KMS)" and broadly agreed to the approach adopted in the strategy.

37. In order to provide more support to the WGs to be able to contribute to the implementation of the strategy, the Central Office has a dedicated team for KM activities.

38. As recommended by the Committee last year, the draft strategy has been firmed up in consultation with various stakeholders and a revised version of KMS (named ICID Knowledge Portal) is placed as **Annex 3 to WG-CDTE (page 157)** which will in turn be presented to the Committee for its consideration.

PCSO Agenda Item 6: Collaboration and Cooperation between ICID and other International Organizations

39. As always, ICID has been giving paramount importance to its partnership with likeminded international and regional organizations in water sector. Last year, ICID collaborated with global partners like DWFI, FAO, GWP, ICRISAT, IFAD, IWMI, UN-Water, WMO, World Bank, CSIRO and WWC and regional organizations like AARDO on a number of issues which are mutually beneficial. For more details about ICID's international cooperation, please refer **Chapter 2 "Working Together"** of Annual Report 2017-18.

40. At present, ICID is in the process of renewing its memorandum of understanding (MoU) with WMO or entering into a fresh MoU with them in place of existing one, in view of the newly adopted ICID's vision, mission and goals.

41. As usual, ICID's global partners are actively involved in the planning and successful organization of WIF3 in Bali, Indonesia in 2019.

42. Secretary General will present a brief overview of the ongoing collaborative activities, including the current status of World Water System Heritage (WSH) Program, Global Framework on Water Security in Agriculture (WASAG), etc. The members are requested to provide suggestions to make the collaborative efforts with other international organizations result oriented in achieving the vision, mission and goals of ICID.

PCSO Agenda Item 7: Review of reports of Regional Working Groups (RWGs)

PCSO Agenda Item 7.1: African Regional Working Group (AFRWG)

43. VPH Dr. Mohammed Wahba, Chair of AFRWG will present the report of the meeting of the RWG.

PCSO Agenda Item 7.2: American Regional Working Group (AMRWG)

44. The Chair/Representative of AMRWG will present the report of the meeting of the RWG.

PCSO Agenda Item 7.3: Asian Regional Working Group (ASRWG)

45. VPH Dr. Karim Shiati, Chair of ASRWG will present the report of the meeting of the RWG.

PCSO Agenda Item 7.4: European Regional Working Group (ERWG)

46. VP Ian Makin, Chair of ERWG will present the report of the meeting of the RWG. The Chair, ERWG will also present the recommendations on ToRs 3 and 4 of erstwhile TF-REV which have been assigned to ERWG vide Resolution IEC-2/68.

PCSO Agenda Item 8: Review of reports of Working Groups/Committees

PCSO Agenda Item 8.1: Committee on Congresses/Conferences (C-CONGR)

47. Mr. Bryan Ward, Chair will present the report of the meeting of the Committee. He will also present the Letter of Agreement (LoA) for Hosting Congresses/WIFs/Regional Conferences/IMICs/IDWs given at **Annex to C-CONGR (page No.73)** at the Committee meeting for its consideration.

PCSO Agenda Item 8.2: Working Group on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST)

48. The WG will hold an informal meeting at Saskatoon to establish a new WG with a revised mandate. The Chair/Representative will present the report of the meeting of WG.

PCSO Agenda Item 8.3: ICID Young Professional's e-Forum (IYPeF)

49. Ms. Kathleen Heuvel, Coordinator will present the report of the meeting of the e-Forum.

PCSO Agenda Item 9: Organizational issues related to IEC, Congresses, Forums and Conferences

PCSO Agenda Item 9.1: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

50. The Chair of the Sub-Committee, PH Dr. Gao Zhanyi will present the report of the meeting of the Sub-Committee.

PCSO Agenda Item 10: Any other business



ACTION TAKEN REPORT FOR THE 28TH MEETING OF PCSO
12 October 2017, Mexico City, Mexico

Item	Recommendation	Decision of 67 th IEC	Action Taken
3. Membership of ICID			
	Recommended that the membership application of Azerbaijan, Georgia and Vietnam be provisionally accepted for membership of ICID, subject to payment of subscription on or before 01 January 2018.	Approved (Resolution No.IEC-2/68).	Georgia and Vietnam paid their membership subscription and admitted as members, while Azerbaijan is admitted provisionally as they are yet to pay the membership subscription.
3.4. Task Force on Revitalization of ICID Network			
	Recommended that the ToRs 3 and 4 TF-REV to study the financial operational arrangements of European NCs and the reasons for withdrawal of them from ICID membership to ERWG.	Approved (Resolution No.IEC-2/68).	Communicated to ERWG about the Council's decision and requested to come up with appropriate recommendations in terms of ToRs 3 and 4. The TF-REV has since been closed.
7. Road Map to ICID Vision 2030: The Monitoring Mechanism			
	Recommended a mechanism to monitor the Action Plan 2017-21 – (i) Requesting the WGs to monitor the progress of activities and report it to their respective Permanent Committees vis-à-vis the activities identified in the Action Plan and (ii) the Co-Theme Leaders should take stock of the progress of WGs under the Action Plan in their synthesis report to PCTA.	Endorsed (Para 31 of 68 th IEC Minutes).	Communicated to the Chairs of WGs and ST Leaders.
9. Organizational issues related to IEC, Congresses, Forums and Conferences			
	Recommended that the Guidelines for the organization of World Irrigation Forum be prepared as has been developed for ICID Congress.	Requested SG (Resolution No.IEC-2/67) to consolidate guidelines for the organization of World Irrigation Forum.	The Guidelines are being consolidated.



ICID NETWORK COUNTRIES AS ON JUNE 2018

Sl. No.	National Committees	Acronym	Year of Joining
1.	Afghanistan	AFGICID	2018
2.	Australia	IACID	1952
3.	Bangladesh	BANCID	1973
4.	Burkina Faso	CNID-B	2014
5.	Canada	CANCID	1956
6.	Chad	ATID	2012
7.	China	CNCID	1983
8.	Croatia	CRCID	1993
9.	Egypt*	ENCID	1950
10.	Estonia	ESTICID	2001
11.	Ethiopia	ETCID	1976
12.	Fiji	FIJICID	2010
13.	Finland	FINCID	2000
14.	France	AFEID	1953
15.	Georgia	GEAMCID	2018
16.	Hungary	HUCID	1955
17.	India*	INCSW	1950
18.	Indonesia*	INACID	1950
19.	Iran	IRNCID	1955
20.	Iraq	IRQCID	2006
21.	Ireland	IRCID	1978
22.	Italy*	ITAL-ICID	1950
23.	Japan	JNC-ICID	1951
24.	Kazakhstan	KAZCID	2006
25.	Korea, Rep. of	KCID	1969
26.	Madagascar	MADCID	2014
27.	Malawi	MALCID	1967
28.	Malaysia	MANCID	1958
29.	Mali	AMID	2005
30.	Mexico	MXCID	1951
31.	Morocco	ANAFIDE	1959
32.	Myanmar	MNCID	1962
33.	Nepal	NENCID	1973
34.	Netherlands*	NETHCID	1950
35.	Niger	ANID	2007
36.	Nigeria	NINCID	1970
37.	Pakistan	PANCID	1953
38.	Philippines	PNC-ICID	1956
39.	Portugal	PNCID	1954
40.	Romania	CNRID	1992
41.	Russia	RUCID	1955
42.	Slovenia	SINCID	1992
43.	Somalia	SONCID	2017
44.	South Africa	SANCID	1993
45.	Sri Lanka*	SLNICID	1950
46.	Sudan	SNCID	1964

47.	Switzerland*	CH-AGRAM	1951
48.	Tajikistan	TAJCID	2014
49.	Tanzania	TANCID	2011
50.	Thailand*	THAICID	1950
51.	Turkey*	TUCID	1954
52.	Ukraine	UACID	1996
53.	United Kingdom	IWF/ICID.UK	1951
54.	United States of America	USCID	1951
55.	Uzbekistan	UzNCID	1994
56.	Vietnam	VNCID	2018
57.	Zambia	ZACID	1966
Committee			
58.	Chinese Taipei	CTCID	1969
Associate Members			
59.	Austria	AUNCID	1954 (2015) ¹
60.	Brazil*	ABID	1970 (2018)
61.	Bulgaria	BNCID	1960 (2006)
62.	Czech Republic	CZNC-ICID	1997 (2017)
63.	Germany	GECID	1957 (2015)
64.	Greece	GRCID	1957 (2012)
65.	Guyana	GUCID	1957 (2012)
66.	Israel	ISCID	1950 (2012)
67.	Kyrgyz Republic	KYRCID	2004 (2010)
68.	Lithuania	LTCID	1994 (2014)
69.	Macedonia	MAKCID	1995 (2010)
70.	Mozambique	MOCID	1978 (2006)
71.	Poland	POCID	1967 (2006)
72.	Saudi Arabia	SACID	1977 (2018)
73.	Serbia (erstwhile Yugoslavia*)	YUGCID	2002 (2012)
74.	Slovak Republic	SKNC-ICID	1996 (2006)
75.	Spain	CERYD	1955 (2018)
76.	Syria	SYCID	1962 (2014)
77.	Uruguay	URUCID	2007 (2012)
78.	Zimbabwe	ZwCID	1955 (2018)

* Founder Member

¹ Year in parenthesis is of the NC becoming inactive



APPENDIX III [PCSO Item 7.1]

**AGENDA FOR THE 29TH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)**

14 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Presented by the Chairman

Year of Establishment: 1994

Mandate: To promote links and networking among the African countries as well as regional and international institutions for enhancing cooperation and coordination, and to support integrated river basin development, training and research issues and information system for African needs.

Website: <http://afrwg.icidonline.org/>

SUPP: Chair VPH Dr. Mohamed Wahba vide his email of 15 July has informed that due to some unavoidable circumstances, he will not be able to attend the 69th IEC Meeting and International Conference. Regarding the AFRWG meeting, he requested Vice Chair Prof. Sylvester Mpendeli and Secretary Engr. Amali Abraham Amali to conduct the meeting.

AFRWG Agenda Item 1: Action taken report by Chair¹

1. The Chair/ Vice Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries has suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017.
3. At Mexico meeting, the group selected Eng. Amali Abraham Amali (Nigeria) as Secretary of the WG, subject to receiving nomination from Nigerian National Committee. Subsequently, the ICID Central Office has received confirmation from the Nigerian NC in January 2018 and hence, Engr. Amali has been accepted as Secretary of the group. No new nominations have been received for the membership of the working group. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

AFRWG Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities in African region

4. At Mexico meeting, the group discussed and reviewed the Action Plan for AFRWG (**Annex 2**) keeping in view the mandate and identified the following activities for action:
 - (i) Keeping in view the importance of exchange of knowledge, experiences, technologies and information among NCs, African National Committees are encouraged to have bilateral cooperation (MoU) with other NCs.
 - (ii) In order to develop capacity of professionals especially young professionals (YPs) from African region, ICID President and ICID Central Office requested to give a priority for the capacity development programme of Young Professional from the region. Members also suggested to approach International funding organization for support for capacity development programme in the region.
 - (iii) Members requested ICID to organize capacity development programme/ training workshop for YPs from African region in conjunction with all future ICID events in Africa in addition to training workshop for YP being organized with ICID annual events.

¹ This will also include details of membership of WG as **Annex**

5. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG Chair and members will provide updates on actions initiated to achieve milestones as per agreed Action Plan during the meeting.

6. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

AFRWG Agenda Item 3: Position paper on Green Revolution in Africa

7. During Mexico meeting, WG deliberated the preparation of position paper on "Green Revolution in Africa" and proposed to organize discussion among members to finalize the draft strategy on supporting development of appropriate policies. It was agreed that Vice Chair Prof. Sylvester Mpandeli and Chair Dr. Wahba would coordinate and prepare a draft table of contents of the position paper on Green Revolution in Africa which would then be circulated to all National Committees in the region for their comments and providing material/information for preparation of position paper. It was proposed that the final draft paper for Green Revolution in Africa will be presented during the WG meeting in Canada in August 2018. Chair will provide further updates at the meeting.

AFRWG Agenda Item 4: Progress on implementation of the action program for Africa - Strategy for capacity building in Africa (Training Needs Assessment Report)

8. At Mexico, Chair provided status on implementation of action program and Strategy for Capacity Building in Africa and presented a draft questionnaire for training needs assessment (TNA) in Africa. It was proposed that the TNA questionnaire be translated in 4 languages viz. English, French, Portales and Arabic, which are the main languages in the African continent with the support of ICID Central Office and NCs in the region and then uploaded on the website of AFRWG-ICID for access by all African countries.

9. Accordingly, in consultation with the Chair, the ICID Central Office has uploaded the English and translated French version of TNA questionnaire on the ICID website and informed all NCs in the region to access and download it. The ICID CO followed-up with NCs and requested them to send the filled-in information to the WG Chair. In response, 60 responses were received from 6 National Committees viz. Egypt, Somalia, Sudan, Morocco, Nigeria, and Ghana Chair will provide further updates at the meeting and a report about the results of TNA will be given by the chair and secretary of the WG.

AFRWG Agenda Item 5: Exchange of information, knowledge and experience (progress in activating Young professional working group at Africa NC's)

10. The website of the working group <http://afrwg.icidonline.org/> has been updated with new membership list, agenda, minutes etc. Chair encouraged all members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to scope of the WG to ICID Central Office for uploading on the WG website for wider dissemination. Chair also requested the African National Committees to update the e-mail, mobiles and any other contacts details of the member of AFRWG and the staff of the NCs for faster communication among the group. Accordingly, the ICID CO has followed-up with the members and requested them to provide interesting articles, papers and presentations for uploading on the website. The chair will give a short summary about the actions have been taken and future plan.

AFRWG Agenda Item 6: Updates on Regional Irrigation Associations- SARIA, NARAID, ARID-RAID by the Chair or Representative

11. During Mexico meeting, Chair VPH Dr. Wahba, VPH Dr Backeberg and Prof. Dr Mpandeli provided updates on the activities of the regional irrigation associations. It was stressed that all regional blocks such as Southern Africa Regional Irrigation Association (SARIA) and North African Regional Association for Irrigation and Drainage (NARAID), which is under establishment, be requested to encourage their members to become member of ICID and thus join the AFRWG. During the meeting, Chair VPH Wahba requested SARIA representative to arrange all the available materials related to the establishment of SARIA to initiate actions on the establishment of NARAID.

12. SARIA Workshop and Steering Committee Meeting on "Agribusiness and Value Chain: A Rapid Transformation of Agri-Food Systems" organized its annual Workshop from 21-24 May 2018 in Pietermaritzburg, KwaZulu-Natal, South Africa to facilitate the exchange of ideas and practices between researchers, advisory agents and government officials from the Southern African Development Community (SADC) countries; these include

participants from South Africa, Malawi, Tanzania, Botswana, Zambia, Swaziland and Zimbabwe. Drs. Joe Stevens and Andrew Sanewe presented a research method through experimental learning that University of Pretoria is carrying out with farmers in various countries including Malawi, Tanzania, Zambia, Republic of South Africa and Zimbabwe. This project is funded by Water Research Commission of South Africa and the Commonwealth Scientific Industrial Research Organisation (CSIRO). A one day field visit to Mooi-River and Tugela Ferry Irrigation Schemes in the Msinga Local Municipality was conducted so that the workshop participants be exposed to water conflicts being experienced and how communities are solving or managing the issues. The two schemes play an important role in the local economy of Msinga as sources of food, employment and market for agricultural inputs.

13. After the workshop, participants attended the Steering Committee meeting on the 24 May 2018 and country reports on activities and progress made towards establishment of National Committees were discussed. The participants discussed various issues affecting the SADC countries and agreed that the strategic country development programmes will need to be tabled at various forum like SADC summit to try and lobby for Governments support. Also, as a matter of progress SARIA will partner with member country symposiums and other Regional Water Hubs. The first partnership will be with SANCID Symposium in 2018. Vice Chair will provide further updates at the meeting and give a brief presentation and status and the progress of SARIA

AFRWG Agenda Item 7: Updates on activities of member countries - First African Young Water Professional's Forum (Af-YWPF) in October 2018 in Cairo, Egypt and Establishment of AF-IYPeF

14. At Mexico, WG discussed and agreed to establish the African Young Water Professional Forum (Af-YPF) and organise its first meeting in Egypt in 2018. This Forum will bring together African future water industry leaders from the private sector, research and government around this central theme. This is an extraordinary opportunity for water professionals to showcase their knowledge and contributions to sustainable water management in an international setting, discuss what they learned from their experiences, and to broaden the minds and thinking of new and experienced water professionals. Young water professionals see a lack of leadership and political will as a key barrier to transitioning to a circular economy. A lack of understanding and education follows this, and hence it becomes crucial for the water sector to step up and advocate for these key issues. The 1st meeting of Af-YPF will include workshops and seminars which hopes to challenge and inspire young water professionals within the continent about leadership in the research and innovative space and motivate their action. This will give them the opportunity to reflect on the skills and attributes they can bring to leadership in their different organisations, encourage innovative thinking and motivate the researchers among them. Its primary focus is to build skills needed globally and strengthen the ability of young water professionals to engage in forms of team leadership that are common in the water sector, whilst recognising that to address team leadership adequately; participants need first to build some foundation knowledge and skills. The three-day forum and workshop will include the declaration of the establishment of Af-YWP Forum, training workshop and technical sessions.

15. Chair encouraged all African NCs to establish YPF at local level in their countries and requested them to encourage YPs to join this local YPF as well as to participate in the e-discussion and webinars. It was also agreed that all NCs must support and nominate Young Professional so that they can attend ICID events. WG discussed and suggested that all training initiatives provided by AFRWG in future should be accredited/ certified since this will attract many international experts from across the continent.

16. In April 2018, Moroccan Young Professional Forum was established to undertake activities within the AFRWG of ICID and the Forum will be coordinated by Ms. Sara Boularbah and will enable the Moroccan young professionals to benefit and contribute to various ICID activities including e-discussions, webinars, ICID Journal and various conferences/ seminars.

17. VPH Dr. Mohamed Wahba assumed Chairmanship of ENCID from 1 April 2018. The first meeting of ENCID headed by VPH Dr. Mohamed Wahba, Chair of ENCID/ AFRWG was organized on 10 April 2018. During the meeting, discussions were also held regarding the progress in the preparation of the Forum and to activate the young professional group of the committee. ANAFIDE, will publicize the event among its members and particularly will encourage the participation of Moroccan young professionals and faculty members. The conference will be preceded by a capacity building week for the African participants.

18. First African Young Water Professional's Forum (Af-YPF) will be held during the 1st Cairo Water Week from 14-18 October 2018 at Cairo, Egypt. The theme of the 1st Cairo Water Week is "Water Conservation for Sustainable Development". Due to budget constraint, Chair VPH Dr. Wahba through President Felix Reinders has approached several funding agencies viz. African Development Bank (AfDB), Stockholm International Water Institute (SIWI), International Water Association (IWA), Global Water Partnership (GWP), African Water Facility (AWF) besides Chinese National Committee (CNCID) and Korean National Committee (KCID) for financial support of the Forum. ICID Central Office has agreed to provide support of US\$10,000 towards organization of 1st Af-YWPF while GWP has agreed to sponsor two YPs from Mauritania as well conduct one technical session. Chair will provide further updates at the meeting.

AFRWG Agenda Item 8: 5th African Regional Conference on Irrigation and Drainage, 16-18 March 2020, Rabat, Morocco (presentation by Dr. El-Hussein Bartali, Vice president of ANAFIDE)

19. At Mexico, Dr. Bartali Elhoussine (Morocco), Vice President of Moroccan National Committee (ANAFIDE) informed that ANAFIDE would like to host the 5th African Regional Conference and members appreciated it. ANAFIDE submitted formal application (Form A) to ICID Central Office so that it can be placed before the International Executive Council for its approval. After reviewing Form A, ANAFIDE has been requested to submit revised Form A, which is awaited.

20. Upon invitation from the ANAFIDE, PH Dr. Saeed Nairizi and VPH Dr. Mohamed Wahba visited Rabat, Morocco from 16-20 April 2018. The meeting aimed to discuss and support the preparation of the 5th African Regional Conference on Irrigation and Drainage to be organized by ANAFIDE in collaboration with ICID and IAV Hassan II in Morocco in March 2020; enhance cooperation and exchange among ANAFIDE (Morocco), IRNCID (Iran) and ENCID (Egypt); and promote the activities of ANAFIDE within the AFRWG, particularly the Moroccan Young Professionals Forum. On 16 April 2018, PH Nairizi and VPH Wahba accompanied by Dr. El Houssine Bartali visited the IAV Hassan II conference facility, the designated venue of the 5th African Regional Conference and met with the ANAFIDE President and Board members. Moroccan representative will provide further progress of the Conference at the meeting.

AFRWG Agenda Item 9: Progress for the proposed third node for IRPID for African region

21. During the visit to Moroccan National Committee, PH Nairizi delivered a presentation on the “Role of ICID in Tackling Global Food Security Challenge” on 17 April 2018. He outlined the ‘Road Map to ICID Vision 2030’ and recalled the mandate of AFRWG. He presented ICID initiatives and programs to facilitate the implementation of the vision through the Technical Support Program (TSP) and the International Research Program in Irrigation and Drainage (IRPID) Nodal Centre. He also invited Morocco to be a member of the regional node. It was agreed that ANAFIDE and ENCID will collaborate with the Italian National Committee of ICID (ITAL-ICID) for the establishment of a Regional Node for the Mediterranean and North African Region. More discussion has been carried out between Sudanese, Egyptian, Moroccan and Italian NC's for the cooperation between them for this important node and it was agreed between them to prepare the documents for the joint node coordinated by the Italian committee and to work on the common areas between all NC's and submitted to the main office before the dead line 30 June.

AFRWG Agenda Item 10: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 15 August 2018.

Annex 1 [Appendix III, Item 1]

A. Membership of African Regional Working Group (AFRWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	Egypt (1950)	VPH Dr. Mohamed Wahba, Chair (2016)	Attended meetings in 2016 & 2017
2.	South Africa (1993)	Dr. Sylvester Mpandeli, Vice Chair (2016)	Attended meetings in 2016 & 2017
3.	Nigeria (1970)	Engr. Amali Abraham Amali – Young Professional, Secretary (2017)	Contributed in 2017
4.	Burkina Faso (2014)	Mr. Jean Bernard Dambre (2016)	Attended meeting in 2016
5.	Burkina Faso (2014)	Mrs. Salamata Karambiri MIWENDE (2015)	Attended meeting in 2015
6.	Chad (2012)	Mr. Tchouadang Kadjonga (2015)	Attended meeting in 2015
7.	Egypt (1950)	Eng. Omnia Hassan Ahmad Salem – Young Professional	Provisional Member
8.	Ethiopia (1976)	Representative from ETCID	
9.	Madagascar (2014)	Representative from MADCID	
10.	Malawi (1967)	Representative from MALCID	
11.	Mali (2005)	Representative from AMID	
12.	Morocco (1959)	Ms. Sara Boularbah – Young Professional	Provisional Member
13.	Morocco (1959)	Ms. El Oumlouki Kaoutar – Young Professional	Provisional Member
14.	Niger (2007)	Representative from ANID	
15.	Nigeria (1970)	Engr. Joe Kwanashie (2014)	Represented by NINCID in 2015 & 2017
16.	Somalia (2017)	Mr. Abdullahi Hassan Hussein – Young Professional	
17.	Somalia (2017)	Eng. Mohamed Mohamud Abdi	Provisional Member
18.	Sudan (2015)	Eng. (Ms.) Hind Massoud Hamed Elneel	Provisional Member
19.	Sudan (2015)	Eng. Marwa Faisal Salman Mohamed – Young Professional	Provisional Member
20.	Tanzania (2011)	Representative from TANCID	
21.	Zambia (1966)	Mr. Mulako Cornelius Sitali (2015)	Contributed in 2016
22.	Zimbabwe (1955)	Representative from ZwCID	
Observers/ Permanent observers			
1.	Egypt	VPH Dr. Samia El-Guindy	Attended meeting in 2015 and represented by ENCID in 2016 As per revised ICID By-laws 3.5, “..... <i>not more than four members</i> may be nominated by a particular National Committee, provided at least one of the additional members is a young professional,” and hence now she can become member
2.		FAO Representative	
3.		World Bank Representative	
4.	Italy	Mr. Jean Syroganis Camara	
5.	Italy	Mr. A. de Vito	
6.		ARID Representative	Attended meeting in 2015
7.		SARIA Representative	Attended meeting in 2017
8.		AgWA Representative	Attended meeting in 2015



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a Catalyst for Change in Policies and Practices							
B1. Strategy: Supporting Development of Appropriate Policies	1.15 Position Paper on Green Revolution in Africa	Position paper	Prepare the draft paper	Finalise the paper			
GOAL C: Facilitate exchange of information, knowledge and technology							
C3. Strategy: Promoting Regional Cooperation	3.4 Activate or Establish Regional/sub-regional WGs	Regional WGs	Collaboration with AfYWP-Forum				
Goal F: Facilitate capacity development							
F2. Strategy: Support Capacity Development Activities of Member Countries	2.4 Strategy for capacity building in Africa	Strategy/ Policy	Identify new themes and revise the strategy	Update the strategy			

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**PREPARATORY MEETING FOR ESTABLISHING OF
AMERICAN REGIONAL WORKING GROUP (AMRWG)**

15 August 2018, 09.00-10.30 hours (Session-I)
15 August 2018, 11.00-12.30 hours (Session-II)
Saskatoon, Canada

Presented by the Chairman

Background Note

1. The International Commission on Irrigation and Drainage (ICID) was established in 1950 and has currently a network of more than 70-member countries around the world. Different geographical regions of the world have different characteristics defining their ecology and populations. The member countries of ICID have been categorized in four regions, namely, Asia, Africa, America and Europe. Accordingly, in order to promote linkages and networking among the countries, four different working groups have been established, namely, American, Asian, African and European Regional Working Groups.
2. In order to achieve the larger goal of Food Security in the Latin American countries (South and Central Americas), ICID's 49th meeting of International Executive Council (IEC) approved the establishment of a Latin American Regional Working Group (LARWG) in 1999 at Bali, Indonesia with seven countries (Argentina, Brazil, Chile, Colombia, Guyana, Honduras and Mexico) as its members. There is vast scope of water resources development and its management in Americas as irrigated area in the region is only 46 million hectare which is about only 16% of the total arable area of the region.
3. The LARWG was mandated to assist in the development of broad-based ICID National Committees in Latin American countries; obtain and disseminate information on irrigation and drainage in these countries; organise national and international discussions on relevant scientific and technical issues; and work as a catalyst for promoting better contact with the ICID and other relevant international organizations. The most important task of the LARWG was to identify organizations that could contribute to the development of irrigation and drainage in the region.
4. The 4th Inter-Regional Conference on "Environment-Water: Competitive Use and Conservation Strategies for Water and Natural Resources" was organized during 27-30 August 2001 at Brazil by the LARWG to focus on environmental issues of the region. Dr. Chandra Madramootoo (Canada) shared several articles from Latin American countries, which were published as country papers in the ICID Strategy document at the 2nd World Water Forum held at The Hague (2000). They were also included in CD-ROM brought out by ICID as a part of Golden Jubilee Year celebrations (1999-2000). In 2000, Dr. Beltran (FAO) distributed copies of FAO Water Report 20 titled 'Irrigation in Latin American and the Caribbean in Figures'. The Brazilian National Committee of ICID (ABID) also brought out a new issue of its Journal (ITEM) with a special article on 'Irrigation of Coffee' in 2000. Later, in 2002, Chair Dr. Ricardo L. Brito (Brazil) contributed a paper on Brazil in the Special Event for the "Vision on Water for Food and Rural Development" held during the 18th ICID Congress (2002) at Montreal, Canada.
5. The Group was re-established / renamed as American Regional Working Group (AMRWG) in 2003 to attract a wider participation from ICID National Committees in North, Central and South Americas with eight countries (Argentina, Brazil, Canada, Colombia, Chile, Guyana, Mexico and USA) as its members. In order to encourage the Latin American countries, ITAL-ICID had organized one-day Seminar with the theme "*Water for Food, Water and Health*" on 25 February 2010 at National Research Council, Italy under the leadership of VPH Lucio Ubertini (Italy). The seminar provided good opportunity for Latin American Countries and their representatives to share information on their activities and explore further avenues for cooperation with each other. The main objectives of the workshop were to share the links between water and food, water and agriculture, water and development among the Latin American countries. The representatives of Argentina, Colombia, Costa Rica, Dominican Republic, Guatemala, Peru, Ecuador and Venezuela participated in the workshop.
6. Keeping in view the mandate of AMRWG, the group focused on (1) the broad-basing of the ICID National Committee in Latin American countries; (2) to organise national and international discussions on relevant scientific and technical issues, and (3) to act as a catalyst for promoting better contact with other relevant international organizations in the region. Later during Adelaide (2012) meetings, Mr. Maurice Roos (USA) and Mr. Machel Mierzwa from USA and Dr. Clarke Ballard (Australia) discussed ways to enthuse the countries in Americas to get involve in the activities of the Commission. With this objective in mind, VPH Laurie C. Tollefson (Canada), who was Vice-President In-charge of Americas 2012 communicated with several South American countries for reinvigorating the AMRWG. Failing all the efforts, the AMRWG was closed in 2012.

7. Given above, a Preparatory Meeting for establishing American Regional Working Group (AMRWG) was held on 11 October 2017 at Mexico City, Mexico. A Summary of the proceedings of the meeting is available at **Annex**. Given that many National Committees (NCs) from Americas have become inactive in ICID, it is worth exploring the opportunity to re-activate the NCs in the region and re-establish the American Regional Working Group especially when the 69th International Executive Council (IEC) meetings & International Conference has been scheduled to be held from 12-17 August 2018 in North America i.e. at Saskatoon, Canada.

8. It was therefore thought appropriate to come together on 15 August 2018 during the 69th IEC meetings at Saskatoon, Canada and discuss strategies to revive the American Regional Working Group and bring in more countries from South America to ICID for mutually sharing the benefits of ICID's global network.

Issues for discussions

9. Participating countries/ Members / attendees may deliberate on issues such as:

(i) Feedback from 'Special Session of Latin Americas' held on 14 August 2018 at Saskatoon, Canada

The Chairman may present a brief report of the 'Special Session of Latin Americas' and deliberate on following issues:

- (a) Are there institutions / network like Southern African Regional Irrigation Association (SARIA) in Africa, to promote agriculture water management in South/Central America?
- (b) Do the South / Central American countries gain by joining ICID?
- (c) How can linkages between irrigation institutions in South/Central America be revised so that they can work together with the rest of the ICID network?
- (d) How can appropriate technologies in irrigation and drainage be shared among South American countries?
- (e) Is language a problem for interlinkages with ICID? If so, how can the language barriers be overcome?

(ii) Regional Membership of ICID

10. The Latin American Meeting on Irrigation and Drainage held on 11 October 2017 at Mexico City organized with the objective to foster dialogues and cooperation among the Latin American countries recommended that the Latin American and Caribbean Region be incorporated into ICID as a 'Single Member', with regional representation. The Management Board (MB) of ICID at its sixth virtual (MB-6/17) meeting held on 22 November 2017, decided to set up a Task Team to study the feasibility of Single Membership for Regional Organizations (TT-RO) under the Chairmanship of President Hon. Peter S. Lee (UK) to consider the recommendation of single membership for regional organizations representing a group of countries such as SARIA etc. Chair of TT PH Peter S. Lee may apprise the members present and provide the updates by presenting the report of the TT-RO at the meeting.

11. Members/attendees may deliberate and evolve an action plan for at least three years with a new mandate.



NOTES FOR CHAIRPERSON:

- 1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon (Canada) after the meeting.
- 2. Chair to participate and present his report to PCSO meeting on 15 August 2018.

AMERICAN REGIONAL WORKING GROUP (AMRWG)

12 October 2017, 09:00-12.30 hours, Mexico City, Mexico

Summary of the Proceedings of the Meeting:

1. Vice President Hon. Laurie C. Tollefson (Canada), who graciously agreed to Chair the meeting, welcomed the representatives from Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Mexico and Peru and invited Secretary General Er. Avinash C. Tyagi to present the pretext for the meeting and background of ICID. SG Avinash Tyagi prepared his slide presentation in Spanish and his remarks were also translated in Spanish for better understanding. SG Avinash Tyagi informed that the 'Latin American Working Group' (LARWG) was first established in 1999 with seven countries (Argentina, Brazil, Chile, Colombia, Guyana, Honduras and Mexico) as its members. Several events including the 4th Inter-Regional Conference were organized during the period. The group was renamed as 'American Regional Working Group' (AMRWG) Group in 2003 to attract wider participation. However, it was disbanded in 2012 due to lack of interest in spite of best efforts from VPH Lucio Ubertini (Italy), Mr. Maurice Roos (USA), Dr. Clark Ballard (Australia) and VPH Laurie Tollefson (Canada) and several other National Committees. SG Avinash Tyagi explained the benefits of joining ICID briefly to the participants.
2. It was also generally felt that language is a big issue and needs to be considered if Latin American countries are to actively participate in ICID. It was also explained that the Latin American countries could become a country member, an institutional member or an individual member.
3. To initiate discussion, SG Avinash Tyagi raised questions: (1) How do we find opportunities to work together (2) Did an irrigation network exist in Central and South America. The Latin American representatives informed that such a network didn't exist but they would like to start one. The feeling was that ICID would be useful in Latin America and that Mexico should take lead and work with ICID Central Office on the subject.
4. VPH Tollefson informed that while President Hon. Chandra A. Madramootoo (Canada) was dynamic in establishing the LARWG in early years, he had recently been to Brazil and had talks with Embrapa. He felt that it would be difficult to go through the governments these days and therefore would need to find a way through the private sector.
5. The participants then discussed joining ICID and proposed the following possible steps to be taken: (a) Have MXCID in cooperation with ICID Central Office correspond with all Latin American countries particularly with Ministers of Agriculture / Ministers of Water Resources inviting them to join ICID?; and (b) Have a 'Regional Special Session' for Latin American countries at Saskatoon, Canada where the participating countries could interact and discuss more about working together and explore ways to join ICID? (c) Consider establishing a Spanish speaking node in Mexico on the same line as International Research Program for Irrigation and Drainage (IRPID) in China and Iran for transfer technology.
6. It was proposed to develop the theme for the 'Regional Special Session' around climate change, water management and competing demands for water, in cooperation with Mexican National Committee (MXCID). MXCID can then send special invitations to Latin American countries for attending the 'Regional Special Session' at Saskatoon.
7. VPH Tollefson further informed that prior to the AMRWG meeting, Latin American Meeting on Irrigation and Drainage was held on 11 October 2017 at Mexico. Ing. Marco Antonio Parra Cota (CONAGUA, Mexico) and Dr. Nahún H. Garcia Villanueva (IMTA, Mexico) Chaired and Co-chaired the meeting, respectively, whereas ICID Young Professional Dr. Carolos Sánchez (Ecuador) acted as a Rapporteur where a group of experts from 7 Latin countries participated.
8. The Latin American meeting was held in two sessions. In Session I, five presentations were made as below:
 - (a) Background and use of water in agriculture.
 - (b) Organization, administration and management of water for irrigation.
 - (c) Evolution and development of irrigation and drainage.
 - (d) Problems, challenges and opportunities for the hydro-agricultural sector.
 - (e) Possible lines and forms of cooperation with Latin American countries.

9. In Session II, a workshop was held focusing on following two issues:

- (a) Key challenges in the Latin American and Caribbean region and options for their solution.
- (b) Possible forms of cooperation between the countries of Latin America and the Caribbean.

10. Latin American Meeting focused on review of current and future state of water use in agriculture; the form of organization, administration and management of the water resources used for food production; development of irrigation and drainage; as well as the issues, challenges, needs and possible forms of cooperation and collaboration within the hydro-agriculture sector between Latin American and Caribbean countries. The consensus was achieved on strategic actions that need to be promoted in order to achieve water security and the sustainable development of the region's hydro-agriculture sector.

11. It was generally noted that the problems related to water management in agriculture in Latin America are very similar, varying in size and degree, and therefore it was proposed to establish a Task Team (TT) to look into the issues emerging from the 'Declaration', including the formation of Regional Association for ICID membership.



**AGENDA FOR THE 25TH MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)**

14 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Presented by the Chairman

Year of Establishment: 1996

Mandate: The general objective of the Asian Regional Working Group is to focus on common topics and issues and to enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region. The mission of ASRWG is to encourage membership and to coordinate activities in the region.

Website: <http://asrwg.icidonline.org/>

ASRWG Agenda Item 1: Action taken report by Chair¹

1. The Chair/ Vice Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.
2. ICID CO, vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries, suggested to work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. However, no virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.
3. As suggested by the WG, the ICID Central Office has followed-up with the countries of Afghanistan, India, Bangladesh, Kazakhstan, Philippines, and Tajikistan for the membership of the WG. In response, the Tajikistan National Committee (TAJCID) has nominated Mr. Dilshod Kimsanov while Chinese Taipei Committee (CTCID) has nominated Dr. Ray-Shyan, Wu for the membership of the WG. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.
4. The 68th IEC approved the membership of Vietnam provisionally subject to their paying annual subscription. Accordingly, with the support from KCID, the Vietnam National Commission joined ICID with effect from January 2018.
5. ICID Central Office has contacted Mr. Jong Yong Ryong, Embassy DPR Korea in India for bringing the country i.e. DPR Korea into the membership network. In order to encourage their membership, two Young Professionals from DPR Korea were sponsored for their participation in the five-day YP training program on the theme "Performance Assessment of Irrigation Systems" organized from 9-13 April 2018 at China Hall of Science and Technology in Beijing, China.

ASRWG Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities in Asian region

6. At Mexico, Chair discussed and reviewed the activities of the WG listed in the action plan of the WG (**Annex 2**) as part of Road Map to ICID Vision 2030. After discussion, the group decided to contribute to three goals (out of six organizational goals of ICID Vision 2030) for the year 2018 as follows: (a) 8th Asian Regional Conference in May 2018 in Nepal; (b) Contribution of ASRWG (WT) to WWF8; and (c) Signing bi-lateral Cooperation between National Committees of China and Pakistan.
7. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve

¹ This will also include details of membership of WG as **Annex**

intended outcome/ outputs of the WG. WG Chair and members will provide updates on actions initiated to achieve milestones as per agreed Action Plan during the meeting.

8. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

ASRWG Agenda Item 3: Linkages with Regional and Transnational Organizations for Cooperation

9. At Mexico, members/ representatives from CTCID, INACID and MANCID informed the WG about their joint regional collaboration. Further, it was proposed that a MoU will be signed between NENCID and KCID for mutual cooperation in Katmandu in May 2018.

10. The ICID Central Office has followed-up with INACID, MANCID, NENCID, KCID and CTCID and requested them to provide status of mutual cooperation. In response, KCID has informed that they have signed Minutes of Meeting (MoM) with NENCID in October 2017 at Mexico City (Mexico). The main areas of the cooperation are – (i) assistance of active participation of young professionals during 8th Asian Regional Conference in May 2018 at Kathmandu, (ii) cooperation in agricultural sector, (iii) invite researcher to Korea etc. Responses from others are awaited. Representatives from the NCs may provide further updates at the meeting.

11. Similarly, Narges Zohrabi, Executive Secretary of IRPID has informed that the cooperation between Iran and Russia on Water and Agriculture was signed on 1 November 2017 in Ahvaz (Iran). The main areas of the cooperation are – (i) Agricultural Sustainable Development under Saline Environment, (ii) Drainage Water Treatment and Reuse, and (iii) Real-time Operation of Multi-purpose Reservoirs with References to Agricultural Demand: Case Study of Great Karun River Basin. Chair will provide further updates at the meeting.

ASRWG Agenda Item 4: Developing cooperative arrangements with International Society of Paddy and Water Environment Engineering (PAWEES) and International Network of Water Environment and Paddy Fields (INWEPF)

12. The 14th International Network for Water and Environment in the Paddy Fields (INWEPF) Symposium and Steering Meeting was organized by National Irrigation Administration (NIA) from 21-22 November in 2017 at Clark Special Economic Zone in Philippines. The main theme of the Symposium was “*Strengthening Global Partnership for Sustainable and Climate-Resilient Irrigation and Drainage System in Paddy Fields*”. Around 270 participants from the Philippines, member countries of INWEPF (Japan, Korea, Malaysia, Cambodia, Sri Lanka, Thailand, Indonesia, Myanmar, Laos, Bangladesh and India) and international organizations participated. The objective of the Symposium was to provide an opportunity for professionals in the field of water resources and agriculture sector to share their knowledge and experiences in order to improve the soil and water productivities and protect ecosystems. Mr. B Gen Abraham B Bagasin, Senior Deputy Administrator, NIA from the Philippines delivered the welcome speech while Mr. Gen Ricardo R Visaya (Philippines), Dr. Nobumasa Hatcho (Japan), Dr. Kyung Sook Choi (Korea), Mr. Thanar Suwattana (Thailand) delivered keynote speeches. About 10 speakers from the member countries and international organizations made presentations and discussed the technologies and policies related to paddy farming, irrigation and drainage, agricultural water management (AWM) and environment.

13. The 15th INWEPF Symposium and Steering Meeting will be held jointly with the International Society of Paddy and Water Environment Engineering (PAWEES) on 20-22 November 2018 in Nara, Japan. The INWEPF will continuously cooperate with ICID in order to disseminate technology and good practices for better paddy farming and ecosystems to the world. Representative from INWEPF - Mr. Mitsuo Ishijima / PAWEES will provide further status on the event at the meeting. Chair will provide further updates at the meeting.

SUPP: Mr. Mitsuo Ishijima vide his email of 19 July has informed that he will make a small presentation regarding INWEPF activities and NARA conference during the meeting.

ASRWG Agenda Item 5: Publications of the Working Group

14. Over the past five years, ASRWG-WT organized several workshops and meetings in order to prepare the report titled “*Contribution of Agricultural Water to the Rural Development in Asia*”. The task had the benefit of a very good cooperation of the specialists from various countries, including Indonesia, Republic of Korea, Japan, Myanmar, Philippines, Thailand, Turkey, Vietnam, and Chinese Taipei where the rural development played an important role.

15. During the 8th Asian Regional Conference held in May 2018 in Kathmandu (Nepal), the Technical Report of the Asian Regional Working Group (ASRWG) as above was formally released. The publication provided an overview of the status of knowledge and policies related to the relevant issues in Asia and to serve its objective of guiding the National Committees and others on meaningful contribution towards sustainable management of agricultural water for rural development. The technical report compiled by the specialists and professionals from the participating

countries will serve as a framework for both policymakers and stakeholders. Members can access the technical report and download it from the ICID website at http://www.icid.org/8tharc_nepal2018/asrwg_report_2018.pdf.

16. Chair VPH Dr. Karim Shiati and ICID Central Office, on behalf of members of ASRWG, would wholeheartedly like to thank Work Team Chairperson Prof. (Ms.) K.S. Choi for bringing out this useful and important technical report. Also thanks are due to the Korean National Committee on Irrigation and Drainage (KCID), Korea Rural Community Corporation (KRC), and Korea Ministry of Agriculture, Food and Rural Affairs for their kind support and cooperation.

ASRWG Agenda Item 6: Brief report of 8th Asian Regional Conference (ARC), 2-4 May 2018, Kathmandu, Nepal

17. The 8th Asian Regional Conference (ARC) on the theme “Irrigation in Support of an Evergreen Revolution” was successfully organized from 2-4 May 2018 in Kathmandu, Nepal. The Nepal National Committee (NENCID) hosted the event in collaboration with Department of Irrigation (DoI), the Government of Nepal and other international and national partners. The conference witnessed participation of renowned professionals from USAID, World Bank, IWMI, ICIMOD, FMIST, ADB, ICEWaRM and other reputed organizations to deliberate on various issues to steer region’s irrigation and drainage into the 21st century.

18. The inaugural ceremony was held on 2 May 2018 in the benign presence of Hon'ble Bidya Devi Bhandari, President, Federal Democratic Republic of Nepal as the chief guest and graced by Barsaman Pun, Ministry of Energy, Water Resources and Irrigation (Nepal), ICID President Felix B. Reinders and Secretary General A. B. Pandya. The conference covered 15 technical sessions with six plenary symposiums, opening and closing sessions. Symposia related to the sub-themes were organized by USAID, IWMI, ICIMOD, ICEWaRM, FMIST and the World Bank. Additionally, technical papers were presented and enriching discussions were held on various aspects of the theme. During the conference, abstract volume was distributed to the delegates. NENCID representative may provide further updates at the meeting.

ASRWG Agenda Item 7: Brief report of Capacity development programme for Young Professionals from Asian region, April 2018, China

19. ICID in association with the Chinese National Committee on Irrigation and Drainage (CNCID) and support from the Korean National Committee on Irrigation and Drainage (KCID) organized five-day Young Professional training program to hone the skills of the budding young professionals on the theme “*Performance Assessment of Irrigation Systems*” from 9-13 April 2018 at China Hall of Science and Technology in Beijing, China. The training program mainly focused on the physical, institutional, organizational and participatory management aspects of the irrigation systems and was attended by 19 participants from 14 countries viz., Australia, India, Iran, Iraq, Nepal, Pakistan, Sri Lanka, Tajikistan, Thailand, Uzbekistan, Korea, Indonesia, Myanmar and Iran.

20. The inaugural session held on 9 April 2018 began with a welcome address by Prof. Wang Aiguo and Mr. Li Ge from China. Secretary General Pandya gave a brief introduction about ICID and its endeavour to promote capacity development program to attract young minds to AWM sector by organizing training programs for YPs, regionally. The program covered topics such as need for and framework of performance assessment of irrigation and drainage systems; modernization approach and overview; techniques and tools for performance assessment; Rapid appraisal procedure, MASSCOTE and MASSMUS approach; strategies of rehabilitation and modernisation of irrigation systems including structural, non-structural and management interventions in modernization of irrigation systems; and measurement devices, canal lining, water management practices, etc.

21. On 13 April 2018, a joint field visit of trainees and workshop participants was organized to Dayu Group of Companies to see their plant manufacturing drip and sprinkler irrigation equipment and later to physical modelling and experimental station of Institute of Water and Hydropower Research (IWHR), China. YPs got an opportunity to broaden their understanding on various topics by international speakers, who shared their experiences on the subject such as the need for a framework, performance indicators, techniques and tools for performance assessment, modernization, and management of irrigation systems. Mr. Amit Parashar, Principal Research Consultant, CSIRO Land and Water gave a presentation to the participants on ‘Basin Futures: Supporting water planning in data sparse basins-Australia.’ In their feedback, participants from various countries appreciated the exposure they received during the training as it armed them with the latest techniques and gave them the insight and skills to further improvise.

ASRWG Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 15 August 2018.

Annex 1 [Appendix V, Item 1]

A. Membership of Asian Regional Working Group (ASRWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	Iran (1955)	VPH Karim Shiati, Chairman, 2006 (1997)	Attended meetings in 2016 & 2017 and contributed
2.	India (1950)	Representative from INCSW	INCSW has been requested to send nomination for the Group
3.	India (1950)	Dr. Rajinder Kumar Gupta -Direct Member (WAPCOS) (2014)	Contributed an abstract for internal workshop in 2015
4.	Indonesia (1950)	Dr. Mochammad Amron (2015)	Attended meetings in 2016 and 2017
5.	Thailand (1950)	Mr. Arthon Suttigarn (2012)	Attended meetings 2015 and 2016
6.	Japan (1951)	Mr. Naoki Hayashida (2014)	Attended meetings in 2016 and 2017
7.	Turkey (1954)	Dr. Aynur Fayrap (2012)	Attended meeting 2015 and represented in 2016
8.	Malaysia (1958)	Ir. Syed Abdul Hamid bin Syed Shuib (2013)	Represented by MANCID in 2016 and 2017
9.	Sri Lanka (1950)	Eng. W.B. Palugaswewa (2016)	Provisional Member
10.	Australia (1952)	Mr. Stephen Mills (2015)	Attended in 2016
11.	Pakistan (1953)	Mr. Ahmed Kamal (2017)	Represented by PANCID in 2017
12.	Philippines (1956)	Representative from PNC-ICID	PNC-ICID has been requested to send nomination for the Group
13.	Myanmar (1962)	Dr. (Ms.) Mu Mu Than (2017)	Attended in 2017
14.	China (1963)	Mr. Wang Aiguo (2016)	Attended meetings in 2016 & 2017
15.	Chinese Taipei (1969)	Dr. Gwo-Hsing Yu (2015)	Attended meeting in 2016 and represented in 2017
16.	Korea, Rep. of (1970)	Prof. (Ms.) Kyung Sook Choi (2015)	Attended meeting in 2017 and contributed in 2016 & 2017
17.	Korea, Rep. of (1970)	Ms. Jeong Min, Ryu – Young Professional (2017)	Attended in 2017
18.	Nepal (1973)	Mr. Bashu Dev Lohanee (2017)	Represented by NENCID in 2017
19.	Bangladesh (1973)	Representative from BANCID	BANCID has been requested to send nomination for the Group
20.	Uzbekistan (1994)	Mr. Ilkhom Juraev (2015)	Contributed in 2016
21.	Tajikistan (1997)	Mr. Dilshod Kimsanov	Nomination received
22.	Iraq (2006)	Mr. Shaimaa Shihab Ahmed (2016)	No contribution, recommended for discontinuation after Canada meeting
23.	Iraq (2006)	Mr. Ammar Salah Ahmed Manhee - Young Professional (2016)	No contribution, recommended for discontinuation after Canada meeting
24.	Kazakhstan (2006)	Representative from KAZCID	KAZCID has been requested to send nomination for the Group
25.	Afghanistan (2017)	Representative from AFGICID	AFGICID has been requested to send nomination for the Group
26.	Vietnam (2018)	Dr. Dao Trong Tu (2018)	Provisional Member

B. New nominations received from the National Committee/ Committee

Sl. No.	Name	Country	Remarks
(1)	Mr. Dilshod Kimsanov	Tajikistan	Recommended as member subject to his presence or else Provisional Member
(2)	Dr. Ray-Shyan, Wu	Chinese Taipei	Recommended as member subject to his presence or else Provisional Member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C3. Strategy: Promoting Regional Cooperation	3.5 Enhance Linkages between National Committees for International Cooperation	Technical Report					
	3.6 Broaden relationship and mutual understanding and cooperation between NCs from developing countries and developed countries	Collaboration/ MoU	Exchange visits/ training between TUCID and IRNCID				
			MoU between IRNCID and KCID				
	3.7 International conference/ workshop/ seminar	Compilation of proceedings		8 th Asian Regional Conference , May 2018, Nepal			
C4. Strategy: Compile, Collate and Share Knowledge and Experiences	4.4 Special joint Publication on Agricultural Water Management for Sustainable Rural Development	Side Event with AARDO	Special Issue of AARDO Journal				
	4.21 Report on "Contribution of Agricultural Water to the Rural Development in Asia"	Technical Report	Publish the Technical Report based on workshops/ Side Event	Contribute to WWF8			
GOAL D: Enable Cross Disciplinary and Inter-Sectoral Engagement							
D3. Strategy: Facilitate Development of Inter-sectoral Platforms Involving NCs	3.1 Developing inter-sectoral engagement		Collaboration between PAWEES and ASRWG				

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 24TH MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)**

14 August 2018, 09:00-10.30 hours (Session-I)

14 August 2018, 11:00-12.30 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Presented by the Chairman

Year of Establishment: 1995

Mandate: The mission of ERWG is to promote awareness about critical ICID relevant water issues at all levels in Europe and to pay special attention to the environmentally sustainable water management in Europe.

Website: <http://erwg.icidonline.org/>

ERWG Agenda Item 1: Action Taken Report by Chair¹

1. The Chair of the WG will present report on the actions taken on the decisions and proposals of the European Regional Working Group at its 23rd meeting held at Mexico City, Mexico in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017.
3. No new nominations have been received from NCs during the year. Chairman in consultation with Vice Chair, Secretary of the Regional WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

ERWG Agenda Item 1.1: Strengthening the membership in Europe

4. The Spanish National Committee on Irrigation and Drainage (CERYD) has been active member of ICID since 1995 and has contributed significantly to the activities of Commission. However, due to restructuring of the Ministry of Agriculture and various other constraints, CEYRD became inactive with effect from 2014. ICID CO received an e-mail dated 24 May 2018 from VPH Dr. José A. Ortiz (Spain), former Executive Secretary of CERYD informing that CERYD has been closed and ceased to function. In April 2018, he had a meeting with the Deputy Director General of Irrigation at the Ministry of Agriculture, who informed him that the person in charge for the future activity between ICID and the Spanish Ministry of Agriculture, or MAPAMA, has been appointed. The person thus appointed by MAPAMA for this task is an Agronomy Engineer, Mrs. Inmaculada Bravo Dominguez, Chief Engineer of Socio-Economic Study Area, at the Deputy Directorate of Irrigation, of General Directorate of Rural Development. Mrs. Inmaculada Bravo Domínguez is also in touch with the Central Office on how to proceed to make the change regarding the contact point for Spanish National Committee of ICID. In the meanwhile, Secretary General, ICID had a meeting with the Officials from the Spanish Embassy in New Delhi who have agreed to provide ICID with services such as translation of ICID periodicals into Spanish for circulation among the Spanish speaking countries and uploading on ICID website. Since then, few bulletins and concise ICID roadmap have been translated and circulated to Spanish speaking countries. Any updates on the reactivation of CERYD will be provided at the meeting.
5. Dr. Antonios Kotsonis, Chairman of General Director of Hydraulic, Port and Building Infrastructure Ministry of Infrastructure and Transport, Greece vide his e-mail dated 16 April 2018 informed formation of a Dam Administration Authority (DAA) with the main task of overseeing the application of the Dam Safety Regulation (DSR), a set of rules governing the design, construction and operation of dams and reservoirs in Greece. They expressed their desire to establish links with ICID and participate in its activities mainly related to the safety of dams and reservoirs, drafting of such regulations and their application in practice. The Greece is an 'Associate

¹ This will also include details of membership of WG as **Annex**

Member' since 2012 and the Central Office is vigorously trying to rejuvenate the Greek National Committee of ICID through available contacts. ICID has also provided DAA with the required information and expects that the Greek NC will soon become active. Any further updates on the reactivation of Greek NC will be provided at the meeting.

6. Mr. Robert Kaufmann vide his e-mail dated 6 February 2018 informed that Swiss National Commission on Agro-Systems and Land Improvement (CH-AGRAM), housing Swiss NC, will be dissolved by 31st March 2018 thereby withdrawing from ICID. He further informed that in respect of future representation of ICID in Switzerland, there are discussions with possible host organizations. In response, it was informed to them that the ICID membership is governed by ICID By-law 13 according to which Switzerland may continue to receive benefits as a member for three more years even without paying subscription, but arrears will build up and which can be paid in due course of time when joining again. CH-AGRAM was suggested to continue to be in ICID fold and in mean time, explore a substitute for CH-AGRAM and pay the arrears then. In response to ICID proposal Mr. Kaufmann informed that according to the current state of the discussions, no Swiss successor organization will fill this gap for the time being. Further, Mr. Kaufmann on 2 May 2018 informed that we definitely like to renounce from now on all ICID services. Reason for this is on the one hand is that according to present information, there is neither a successor member organization visible in the near future, nor a user group and on the other hand, a possible successor organization should be able to restart on the basis of a new agreement with ICID, without any financial obligations from the past. Any further updates of CH-AGRAM will be provided at the meeting.

7. During the Mexico (2017) meeting, the Georgia has become an active member of ICID, facilitated by Vice President Dr. Irene Bondarik (Russia), who has been pursuing ICID membership in the region, by holding talks with the concerned authorities in Azerbaijan, Latvia, Belarus, Lithuania etc. Dr. Bondarik may apprise the members of the Group about the further progress at the meeting.

ERWG Agenda Item 2: Road Map to ICID Vision 2030 – Status of Activities relevant to European Region

8. During the Mexico meeting, the Group reviewed the Action Plan (Road Map to ICID Vision 2030) for European Regional Working Group (ERWG) keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). At the 68th International Executive Council (IEC) WGs were encouraged to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided in the roadmap. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting for any update in the Annex 2 as per the latest developments.

9. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting and WG members will deliberate on evolving mechanism to monitor achievement of milestones as per action plan.

ERWG Agenda Item 3: Seminar/Session of the WG related to Agricultural Water Management in Europe

10. During the Mexico (2017) meeting, the group proposed to organise an internal workshop based on the agricultural water management (AWM) issues during 69th IEC meeting in August 2018 at Saskatoon, Canada. In February 2018, the ICID CO followed-up with the Chair. WG Chair may like to further discuss about the workshop during the WG meeting.

11. As a part of action plan for roadmap to Vision 2030, it was decided that the WG would organise an e-Discussions on 'Water Issues' for the Young Professionals (YPs) in Europe as well as ICID-Young Professional's e-Forum (IYPeF). Mr. Mika Turunen (YP) suggested to identify a suitable topic for discussion and one of ERWG members can be requested to act as a mentor to guide and steer the discussion. WG Chair will provide further updates in the in the meeting.

ERWG Agenda Item 4: Review of policy issues impacting irrigation and drainage sector

12. During Mexico meeting held in October 2017, the ERWG discussed the need for review of the policy documents related to water resources impacting irrigation and drainage sector in Europe, which is included in the Action Plan 2030 of the ERWG under **Goal B (Activity B2.1: Review of European / NC policy documents related to water resources that impact irrigation and drainage sector)**. WG noted that starting point for this could be the 'Water Related Risks' document produced by ERWG few years ago and VPH Dr. Laszlo Hayde agreed to

search/locate the original documents. The Group also noted that water scarcity and drought are important issues for Europe and it was agreed that ERWG need to look into these issues and recalled that there used to be work teams in ERWG on drought and floods. In February 2018, ICID Central Office followed-up with VPH Dr. Hayde. WG Chair/VPH Dr. Laszlo Hayde may apprise the members on any update in the meeting.

ERWG Agenda Item 5: Links with regional and trans-national organizations for co-operation

13. During Mexico meeting, the WG reviewed the list of regional and trans-national organisations and noted that some of the organizations are no longer operational (**Annex 3**). ERWG requested its members/NCs to review and update the list including details of the contact person(s) In February 2018, ICID CO requested the members of WG and National Committees in Europe to review list of regional and transnational organisations for strengthening the linkages and cooperation with these regional and transitional organisations. WG will discuss the status of updation of the list and deliberate on interaction or cooperation with these regional and transitional organisations during the meeting.

ERWG Agenda Item 6: Activities of Focus Groups of ERWG

14. During the Chiang Mai (2016) meeting, the WG decided to have following five Focus groups based on their relevance to Europe: (a) Focus Group on History (VPH Laszlo Hayde); (b) Focus Group on Environment (Mr. Osmo Purhonen); (c) Focus Group on Sustainable Drainage renamed as Working Group on Sustainable Drainage, WG-SDRG (Dr. Irena Bondarik); (d) Focus Group on Water Related Risks (Prof. Klaus Roettcher & Mr. Olli-Matti Verta), and (e) Focus Group on Irrigation and Drainage in the States under Socio-economic Transformation, WG-IDSST (VPH Peter Kovalenko). Focus group lead members will apprise the members of the ERWG on the latest updates/developments.

ERWG Agenda Item 7: Revitalization of ICID Network

15. The Task Force on Revitalization of ICID Network (TF-REV) was wound up on completion of its activities except for ToRs 3 (*to take stock of the constitution of various NCs of Europe, and study their financial operational arrangements*) & ToR 4 (*to study the reasons for withdrawal of European NCs from membership of ICID in the recent past and suggest the means of retaining these countries as member of ICID*) which were assigned to ERWG as per decision of 68th IEC meeting (*Resolution IEC-2/68*) held at Mexico City, Mexico in October 2017. WG will deliberate on the remaining ToRs 3 & 4 of the TF-REV during the meeting of ERWG and present the outcome and recommendations to 69th IEC meeting to be held in August 2018 at Saskatoon, Canada.

16. In order to strengthen the activities of ICID members in Europe, the WG agreed to explore the potential of its members engaging in joint projects financed through European Union (EU). The group agreed to explore possibility of organizing common European meetings with ICOLD and similar organizations to expand potential participation from Europe in working groups and ICID events. During the Mexico meeting, Dr. Klaus Rottcher (Germany), VPH Laszlo Hayde (Hungary) and Mr. Hannes Puu (Estonia) have agreed to identify key contact details in the European Union (EU) to explore funding opportunities for some specific studies etc. In February, 2018, the ICID CO followed-up with the members to initiate actions and share updates in the matter. In response, Dr. Klaus Rottcher informed that the EU provide funds for the European activities like 'EIP Agri' projects (<https://ec.europa.eu/eip/agriculture/en>) for networking activities. WG members may like to provide further updates and ERWG would discuss on further actions to the undertaken to revitalize ICID network in Europe.

ERWG Agenda Item 8: Dissemination of activities of WG

ERWG Agenda Item 8.1: Website of the Group

17. During Mexico meeting, the group noted that the website of the ERWG <http://erwg.icidonline.org/> was updated with new membership list, agenda, minutes, paper presentations etc. In order to enrich the website of the group, WG Chair Ian Makin requested the members of Group to provide interesting articles/information/short story/documents/papers/presentations related to the mandate of the WG for uploading on the ICID website for wider dissemination.

18. In order to enrich the contents of ERWG website, PH Peter S. Lee (UK) agreed to review and update the contents of ERWG website as well as to explore potential engagement of YPs in updating and maintaining the WG website and other communications tools in collaboration with Mr. Mika Turunen, young professional from Finland. In response, Mr. Mika Turunen suggested to use social media platform more comprehensively which may be an easy way to reach to YPs and then one of the active YP can be identified to manage ERWG web site more effectively. PH Perter lee and Mr. Mika Turunen will apprise the members of the actions initiated/taken in this connection. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex meeting platform for virtual meetings in between face-to-face meeting during the WG meeting.

ERWG Agenda Item 8.2: Webinar / Web-based Seminar

19. At Mexico meeting (2017), the group supported the organization of the webinars to promote sharing of vast expertise available with ICID fraternity with members of the NCs. During the meeting, Mr. Dominique Rollin (France) had agreed to explore possibility of webinar by AFEID (France) on their recent work on French Irrigation equipment and test using ICID performance indicators. ICID CO followed-up with him to provide the title of the webinar along with a brief concept note on the topic and identify a suitable expert who can act as a panellist during the webinar and may assist him in answering the questions raised by the audience. Mr. Dominique Rollin will provide further updates at the meeting.

ERWG Agenda Item 9: Any other business



MEMBERSHIP OF EUROPEAN REGIONAL WORKING GROUP (ERWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	United Kingdom (1951)	Mr. Ian Makin (2014), Chairman, 2015	Attended the WG meetings in 2015, 2016 & 2017
2.	Ukraine (1996) 2014	VPH Prof. Dr. Peter Kovalenko, Vice Chairman, 2005 (1999)	Attended the meeting in 2016 & 2017
3.	Finland (2000)	Mr. Olli-Matti Verta, Secretary, 2011	Attended the meeting in 2016 & 2017
4.	Austria (1954)	Dipl. Ing. Frederick M. Cate (1998)	Withdrawn from January 2015
5.	Croatia (1993)	Dr. Davor Romic (2002)	No contribution during 2013, 2014, 2015 & 2016
6.	Czech Republic (1997)	Prof. Dr. Svatopluk Matula (1997)	Associate member from 2017
7.	Estonia (2001)	Mr. Hannes Puu (2015)	Represented in the WG meeting in 2015
8.	France (1953)	Dr. Sami Bouarfa (2013)	Represented in the WG meeting in 2014, 2015, 2016 & 2017
9.	Germany (1957)	Mrs. Sabine Seidel, as Young Professional (2011)	Withdrawn from January 2015
		Dr. Klaus-Dieter Vorlop (2012)	
10.	Hungary (1955)	VPH Dr. Laszlo Hayde, Ex-Chairman and member	Attended the meeting in 2016 & 2017
11.	Ireland (1978)	Dr. John Martin (2003)	No contribution during 2013, 2014, 2015 & 2016
12.	Italy (1950)	Mr. Marco Arciero (2015)	Attended WG meeting in 2016 & 2017
13.	Netherlands (1950)	Representative	PH Bart Schultz and VP Prof Charlotte de Fraiture from Netherlands attended the meeting in 2016 & 2017 as Observers
14.	Portugal (1954)	Mr. Pedro Eduardo da Cunha Serra (1996)	No contribution during 2013, 2014, 2015 & 2016
15.	Romania (1992)	Prof. Dr. Ion Nicolaescu (1996)	No contribution during 2013, 2014, 2015 & 2016
16.	Slovenia (1992)	VPH Prof. Dr. Brane Maticic (1996)	No contribution in 2016
17.	Spain (1955)	Spanish representative	No contribution in 2016
18.	Switzerland (1951)	Switzerland Representative	Mr. Petra Hellemann, Secretary of CH-AGRAM contributed by email in 2016 Switzerland withdrew from ICID membership in 2018
19.	Georgia (2017)	Georgian Representative	Dr. Givi Gavardashvili attended the meeting in 2017 as new country
19.	Russia (1955)	Dr. Irina G. Pankova, as Young Professional (2007)	No contribution in 2014, 2015 and 2016
		Dr. Irina Bondarik (2012)	Attended the meeting in 2016 & 2017
Ex-Officio Member			
1.	Russia	Mr. Peter Alexey Yurievich (2014), Chairman, erstwhile European Work Team on Drainage, EWTDR	No contribution in 2016



ROAD MAP TO ICID VISION 2030 – ACTIVITIES RELEVANT TO EUROPEAN REGION

Goals	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B1 : Supporting Development of Appropriate Policies	1.7 Review of European/NC policy documents related to water resources that impact irrigation and drainage sector	Technical Report	Compilation of various policies related to water resources by Members in their country and start review few most important policy document	Draft of policy review report with recommendation	Finalisation and issue of policy review report Continuation of review of remaining policy document		
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C3 : Promoting Regional Cooperation	3.1 Organise workshops/ Seminar etc.	Proceedings of workshop/seminar	To decide on theme and sub-themes for the workshop/seminar to be organised as internal/international workshop in the WG meeting	Workshop/ Seminar	Workshop/ Seminar including publication of outcome/ recommendations from previous workshop	Workshop/ Seminar including publication of outcome/ recommendations from previous workshop	Workshop/ Seminar including publication of outcome/ recommendations from previous workshop
Goal F: Facilitate capacity development							
Strategy F1 : Enhancing Institutional Capacity Development in Member Countries	1.5 To launch from Europe an international e-Discussion on Water issues and/or Environmentally Sustainable Water Management from Europe for Young Professionals	Knowledge sharing and capacity development of YP	e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF'	e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF'	e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' Organise a Side Event in WIF3	e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF'	e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF'

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)

EUROPEAN REGIONAL WORKING GROUP (ERWG)

1. Profile

The European Regional Working Group (ERWG) of ICID was founded at the 46th IEC Meeting in Rome in September 1995 and is acting under the motto “Comprehensive land and water management in European river basins for the sustainable development of the rural landscape”. The tasks of ERWG can be summarized as follows:

- (a) Knowledge transfer and exchange of experience in matters of border crossing water and land management in European countries
- (b) Co-operation of experts and organisations engaged in national, supranational and international objectives of water management and irrigated agriculture
- (c) Development and promotion of border crossing projects and conferences
- (d) Members are the ICID National Committees of 16 European countries, as below:

Country Representatives			
Croatia	Prof. Davor Romic	Romania	Prof. Ion M. Nicolaescu
Estonia	Mr. Hannes Puu	Russia	Dr. (Mrs.) Irena G. Bondarik
Finland	Mr. Olli-Matti Verta	Slovenia	Representative
France	Dr. Sami Bouarfa	Georgia	Representative
Hungary	Dr. Laszlo Hayde	Switzerland	Representative
Ireland	Dr. John Martin	The Netherlands	Representative
Italy	Mr. Marco Arciero	United Kingdom	Mr. Ian Makin
Portugal	Mr. Pedro Eduardo da Cunha Serra	Ukraine	VPH Prof. Peter Kovalenko

- Chairman** : Mr. Ian Makin (UK)
- Vice-Chairman** : VPH Prof. Dr. Peter Kovalenko
- Secretary (1)** : Mr. Olli-MattiVerta (Finland)
- Secretary (2)** : Dr. (Mrs.) Irena G. Bondarik (Russia) *for Russian speaking countries*
- Observer** : Mr. Mohammed Benblidia (IME)

2. Countries with observer status

- Bosnia & Herzegovina* : Prof. Dr. Mihovil Vlahinic
- Moldova:* Mr. Valeriu Catrinescu

3. Water Network

In addition to the European National Committees of ICID, the following organizations/association/institution has been incorporated in the ERWG Water Network:

A. Five European professional organizations

- (i) CIPR - Commission Internationale pour la Protection du Rhin
- (ii) EurAgEng - Special Interest Group on Soil and Water, European Society of Agricultural Engineers
- (iii) EWA - European Water Association
- (iv) EWRA - European Water Resources Association
- (v) TECHWARE - Technology for Water Resources

B. Seven National Water Management Associations

- (i) BSHE - Bulgarian Society of Hydraulic Engineers
- (ii) DWA - German Association for Water Management, Waste Water and Waste (Chair: Prof. Klaus Roettcher)
- (iii) DONBH - Society for Irrigation and Drainage of Bosnia & Herzegovina
- (iv) LZHS - Lithuanian Association of Land and Water Management Engineers
- (v) MHT - Hungarian Hydrological Society
- (vi) RSRE - Russian Society of Reclamation Engineers
- (vii) SITWM - Polish Association for Water Plant Construction and Land Improvement Engineers and Technicians

C. Five European Water Management Institutes

- (i) ACVAPROJECT - Water Management Design Institute (Moldova Republic)
- (ii) DHI - Danish Hydraulic Institute
- (iii) IIDS - Institute of Irrigation and Development Studies, University of Southampton (United Kingdom)
- (iv) RIIDHE - Research Institute for Irrigation, Drainage and Hydraulic Engineering (Bulgaria)
- (v) IME - Institut Méditerranéen de l'Eau (France)

4. Work Results

- (a) ERWG Letter No. 1 to 20 (newsletters)
- (b) Irrigation Sector Reform in Central and Eastern European Countries (project report book/CD)
- (c) European Sector Vision on Water for Food and Rural Development (report)
- (d) ICID Guide "How to work out a drought mitigation strategy" (guideline)
- (e) Water Resources Management in the Czech Republic, Hungary, Lithuania, Slovenia (book)
- (f) Diffuse Entries in Rivers of the Odra Basin (research report)
- (g) Proceedings of several European conferences
- (h) First and Second CEE WFE Dialogue Reports (Dialogue on Water, Food and Environment – Dialogue on the implementation of the EU Water Framework Directive in Agriculture in the Central and East European Countries) (reports)
- (i) Danube Valley : History of Irrigation, Drainage and Flood Control (book)

5. Projects

- (a) Flood risk mitigation by agricultural non-structural measures
- (b) Drought mitigation strategies
- (c) Implementation of the European Water Framework Directive
- (d) Flood plain management on Odra, Nemunas and Vistula
- (e) Flood prevention strategies
- (f) Point and diffused pollutants in the Odra basin
- (g) Sustainable irrigation and drainage management under the conditions of transitional economy
- (h) Dialogue on water for food and environmental security in Central and Eastern Europe



APPENDIX VII [PCSO Item 8.1]

**AGENDA FOR THE 29TH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**

14 August 2018, 09:00-10:30 hours (Session-I)

14 August 2018, 11:00-12:30 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Presented by the Chairman

Year of Establishment: 1990

Mandate: The mandate of the Committee is:

- (i) To recommend general improvement in conduct of WIFs, Congresses, Conferences and other ICID events;
- (ii) Representatives/Organizers of the ICID events to present a summary report on preparations made for the said events;
- (iii) Share the lessons learned / difficulties faced in organizing the events; and
- (iv) Make proposals for the smooth conduct of the ICID events.

Members: (1) Mr. Bryan Ward, Chairman (Australia, 2017); (2) Dr. Warren Halgason, CANCID representative (3) Mr. Bashu Dev Lohanee, NENCID representative; (4) INCSW representative; (5) INACID representative; (6) MXCID representative; and (7) Dr. Vijay K. Labhsetwar, ICID Central Office, representing Secretary General.

Website: <http://c-congr.icidonline.org/>

C-CONGR Agenda Item 1: Action taken report by Chairman

1. The Chairman may like to present a report on the actions taken on the various decisions/proposals of the Committee since 28th meeting of C-CONGR at Mexico in 2017.

C-CONGR Agenda Item 2: Membership of the Committee

2. The Committee is composed of a Chairman, who is a member of the Organizing Committee of the (next) Congress and six other members appointed as follows: One member of each of the Organizing Committees of the previous and next to immediate next Congresses, two members of the two previous Organizing Committees and two future IEC meetings. The basic composition might be completed by addition of one of the member of the Organizing Committee of each of the Regional Conferences held during the past and the future meetings, unless it coincides with an IEC meeting.

C-CONGR Agenda Item 3: Overview of 69th IEC meetings & International Conference, 12-17 August 2018 at Saskatoon, Canada

3. Dr. Warren Halgason, the representative from Canadian National Committee for Irrigation and Drainage (CANCID) will apprise the Committee about the overview and preparations made for Saskatoon (Canada) meetings scheduled to be held from 12-17 August 2018 at Saskatoon, Canada.

4. The 69th International Executive Council (IEC) Meetings & International Conference is being hosted by Canadian National Committee for Irrigation and Drainage (CANCID) in cooperation with the International Commission on Irrigation and Drainage (ICID). The main theme of the International Conference is "*Innovative and Sustainable Agri-water Management: Adapting to a Variable and Changing Climate*" and sub-themes are: (a) Sub-theme I: Competing Water Demands; (b) Sub-theme II: Resilient Agriculture – Adapting Agriculture to Climate Change"; and (c) Sub-theme III: Irrigation and Drainage in Perspective.

5. In addition, several International Workshops such as "Institutional and Organizational Setup of Irrigation and Drainage Management System" (Organizer: WG-IOA), "Historical Water Sustainability" (Organizer: WG-HIST), "Adaptive Flood Management: Recent Great Floods and Lessons Learned" (Organizer: WG-MWSCD), "Application of Value Engineering in Irrigation in Irrigation and Flood Projects" (Organizer: TF-VE), and "Dry Drainage and Bioreactors or Green Infrastructures" (Organizer: WG-SDGR) will be organized during the Canada meetings. The information on the 69th IEC meetings & International Conference is available on the Conference website at: <https://icid2018.org/>

6. ICID has provided scholarships to 10 deserving YPs from around the world for attending the 69th IEC meetings & International Conference. The YP scholarship includes – free registration, accommodation and travel. In order to enrich their repertoire, one full-day YP Training Workshop will be held on 16 August 2018 from 09:00 -17:00 hours at Saskatoon, Canada. YPs will take responsibilities as rapporteurs in various conference sessions besides attending WG meetings/workshops etc. of their choice. The Dr. Warren Halgason may further apprise the members of the Committee.

C-CONGR Agenda Item 3.1: Feedback from 23rd ICID Congress and 68th IEC, Mexico City, Mexico in October 2017

7. MXCID representative may brief the Committee on experiences in organizing the 23rd ICID Congress and 68th IEC together with the lessons learned / difficulties faced.

C-CONGR Agenda Item 3.2: Feedback from 8th Asian Regional Conference, Kathmandu, Nepal in May 2018

8. Mr. Bashu Dev Lohanne, NENCID representative may apprise the Committee on lessons learnt from organizing the 8th Asian Regional Conference.

C-CONGR Agenda Item 4: Preparations for the future events for the next 3 years

C-CONGR Agenda Item 4.1: 9th International Micro Irrigation Conference, 16-18 January 2019, Aurangabad, Maharashtra State, India

9. The Indian National Committee on Surface Water (INCSW) will be organising the 9th International Micro irrigation Conference (IMIC) from 16-18 January 2019 at Aurangabad, Maharashtra, India. The theme of the conference is '*Micro Irrigation in Modern Agriculture*' and sub-themes are: (i) Micro irrigation design, innovations and new techniques for increased crop productivity; (ii) Financing of micro irrigation; (iii) Micro irrigation for cluster level farming and smallholder farmers and (iv) O&M services and capacity development for the micro irrigation systems. More information of the 9th IMIC is available at http://cwc.gov.in/main/downloads/ICID_9imic_aurangabad.pdf.

10. INCSW representative will further apprise the Committee about the preparations made and detailed planning for the 9th International Micro Irrigation Conference.

C-CONGR Agenda Item 4.2: 70th IEC Meetings and 3rd World Irrigation Forum (WIF3), 1-7 September 2019 at Bali, Indonesia

11. The 70th International Executive Council (IEC) Meeting and 3rd World Irrigation Forum (WIF3) will be hosted and organized the Indonesian National Committee of ICID (INACID) from 1-7 September 2019 at Bali, Indonesia. The main theme of the WIF3 is "*Development of water, food and nutrition security in a competitive environment*" and sub-themes are: (i) Sub-Theme 1: Enabling Policy Environment for water, food and energy; (ii) Sub-theme 2: Role of Civil Society and NGOs with focus on farmers and extension facilities; and (iii) Sub-theme 3: Improving agricultural water productivity with focus on rural transformation. More information of the 70th IEC & WIF3 is available at <https://icid2019.com/>

12. The representative from INACID may apprise the Committee about the preparations made and detailed planning for the 70th IEC meeting and 3rd World Irrigation Forum (WIF3).

C-CONGR Agenda Item 4.3: 71st IEC Meetings and 24th ICID Congress, 22-28 September 2020, Sydney, Australia

13. The 71st International Executive Council (IEC) Meeting and 24th International Congress on Irrigation and Drainage will be hosted and organized by Australian National Committee of ICID (IACID) during 22-28 September 2020, Sydney, Australia. The main theme of the Congress is "*Innovation and research in agricultural water management to achieve sustainable development goals*" and the two Questions are – (i) Question 62: What role can information and communication technology play in travelling the last mile; and (ii) Question 63: What role is played by multi-disciplinary dialogue to achieve sustainable development goals. More information of the 71st IEC and 24th ICID Congress is available at <https://www.irrigationaustralia.com.au/eventsandnews/2020-ial-icid-71st-world-congress>

14. The representative from IACID may apprise the Committee about the preparations made and detailed planning for the 71st IEC meeting and 24th ICID Congress.

C-CONGR Agenda Item 5: Letter of Agreement (LoA) for Hosting Congresses/WIFs/Regional Conferences

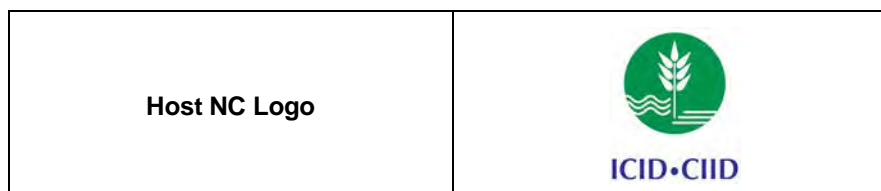
15. The Management Board (MB) of ICID held its 5th meeting (5/7) on 07 October 2017 at Mexico and proposed to review the 'Letter of Agreement' (LoA) for Host National Committees and ICID which would help clarify the role of host NC and ICID on the organizational and financial commitments of each party, with the aim to facilitate continuous understanding of the role of both the parties for the successful and professional conduct of ICID events. In this regard, PCSO in its 28th meeting held on 12 October 2017 at Mexico City, proposed to establish a 'Task Team' to review the 'Letter of Agreement' (LoA) for hosting Congresses/WIFs/Regional Conferences (Annual/Triennial/Regional Events). The Task Team (TT) has since been established under the Chairmanship of PH Dr. Gao Zhanyi (China). The draft LoA has since been circulated among the TT members, past and future hosting NCs i.e. Mexico (MXCID), Thailand (THAICID), Korea (KCID), Turkey (TUCID), Canada (CANCID), Indonesia (INACID) for their comments and suggestions. The final draft LoA will be placed for consideration by C-CONGR/PCSO/IEC in their meetings during the 69th IEC Meetings in August 2018 at Saskatoon, Canada. The LoA will be applicable from year 2021 onwards.

16. The final draft LoA is available at **Annex** for consideration.

SUPP: The Mexican National Committee of ICID (MXCID) vide email of 10 July 2018 has sent their comments/suggestions on the final draft Letter of Agreement (LoA) which has now been incorporated.

C-CONGR Agenda Item 6: Any other business





LETTER OF AGREEMENT (LOA) FOR HOSTING ICID EVENTS

This Letter of Agreement (herein referred to as the Agreement) is concluded between: INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID), 48, Nyaya Marg, Chanakyapuri, New Delhi, 110021, INDIA, (herein referred to as “ICID”)

And

[Organizing Legal Entity] on behalf of [Name of Host NC] and Address, (herein referred to as “Host NC”)

Whereas, the [Name of Host NC] has been approved by ICID to host the [Name of ‘The Event’], referred to as ‘The Event’, from [dates of ‘The Event’],

This ‘Agreement’ is being entered into between the two parties to ensure a smooth and successful organization of ‘The Event’ in accordance with its objectives and in accordance with the ICID Constitution and By-laws. ‘Form A’ submitted by the ‘Host NC’ as an intent to organize ‘The Event’ and approved by IEC at its [Refer to resolution of IEC accepting the intent] forms part of this ‘Agreement’.

1. Basic Requirements

- 1.1 ‘Host NC’ should set up an Organising Committee and related sub-committees (such as technical, event management, accommodation, transport, reception, exhibition security, etc.) at the national level, 24 months prior to ‘The Event’. Among others, at least one member of the NC that has attended at least two ICID events and those who have been involved in the bidding of ‘The Event’ should be members of the important committees such as organizing, event management etc. One of the organizing committee members should, preferably, attend the ICID events leading up to ‘The Event’ in the host country.
- 1.2 It is recommended that the Organizing Committee should employ/hire services of a professional event/Conference management agency, having suitably qualified persons, at least 12 to 24 months in advance of ‘The Event’
- 1.3 The NC’s representatives or chairs of the respective sub-committees should supervise activities of such hired agencies and coordinate with ICID Central Office (ICID CO) in New Delhi, India. It is desirable that the NC’s designated representatives, in-charge of arrangements, have attended previous IEC meetings and are familiar with the various requirements.
- 1.4 Promotion and dissemination of information about ‘The Event’ shall be the joint responsibility of the ‘Host NC’ and the ICID CO as described in Annex I [Responsibilities for promotion and dissemination of ‘The Event’].

2. The Venue

- 2.1. Identify the venue for ‘The Event’ at least 24 Months prior to ‘The Event’. The venue should have the facilities of a modern convention centre with the minimum facilities as listed in Annex II [Facilities required at the venue]. ‘Host NC’ shall select a Venue, with excellent public transportation arrangements and easy accessibility to the reasonably priced Hotels
- 2.2. ‘Host NC’ shall provide facilities in accordance with Annex III [Facilities required for ICID CO (Secretariat) at the venue] for the efficient functioning of ICID CO team and oversee arrangements at the venue of ‘The Event’. ‘Host NC’ should arrange for separate offices for the President, Secretary General, Professionals of ICID at a convenient location in the venue so that it is easily accessible to the participants along with a separate room for workbody Chairs for preparing minutes / reports, etc with all facilities described in Annex III.
- 2.3. An international Exhibition should be arranged, as far as possible, along with ‘The Event’ with provision for displays by ICID CO and other NCs.

3. Accommodation

- 3.1 'Host NC' should negotiate special rates with local Hotels near the venue, as far as possible, to accommodate participants especially from abroad, requiring around 300 rooms, covering two or three different tariff rates. The room reservation and cancellation policy shall be clearly spelt out on website of 'The Event'.
- 3.2 The 'Host NC' should also explore the availability of accommodation with low tariff rates for the use of young professionals and some other delegates from developing countries.
- 3.3 'Host NC' should arrange and bear full lodging cost for accommodation for the President (suite), the Secretary General, the CO Professionals (2 nos.) in case of WIF / Congress and (1 no.) for IEC/Miro Irrigation Conference (MIC)/International Drainage Workshop (IDW)/Regional Conference (RC), in a good hotel nearest to the venue.
- 3.4 If the venue of the event is more than 1.5 km away from the hotel accommodation housing 10 participants or more, the 'Host NC' may provide shuttle services at the start and end of the proceedings on all days. For multiple locations of hotels, round trip shuttles can be arranged. Information about the same may be provided to delegates upon booking of accommodation.

4. Registration

- 4.1 'Host NC' should make arrangements to open the online registration at least six months prior to 'The Event' with early bird registration up to 90 days prior to 'The Event' and thereafter registration at the full price.
- 4.2 Facility should be provided for payment of registration (the online registration) using at least the major international credit/debit cards. The policy for cancellation of registration and refund of fee shall be clearly defined on the website.
- 4.3 Provision/Options in the registration fee should be made for separate registration fee for (i) all the events, (ii) daily registration and (iii) specific technical events such as workshop/seminar etc. as approved by IEC and given in Annex IV.
- 4.4 On the spot registration should preferably be opened on the afternoon of the previous day of 'The Event' commencement.
- 4.5 'Host NC' will provide for free registration for President, Secretary General, CO Professionals (2 nos.) in case of WIF / Congress and (1 no.) for IEC/MIC/IDW/RC, ICID International partners (5 nos.), Keynote speakers of the opening ceremony (max. 5 nos.) and Young Professionals (5 nos.).

5. Social Programs and Technical Tours

- 5.1 Welcome dinner/ receptions, hosted by the 'Host NC' or other organizations/NCs should be planned in the evenings and the venue should preferably be as close to the venue of meetings as possible. In case the venue for the dinners/reception events is away from the venue, transportation should be arranged to take the delegates to the venue of the dinner/ reception and dropping them back to their hotels.
- 5.2 Short cultural programmes and entertainment events may be performed during the receptions.
- 5.3 The Organizing Committee should assist NCs desirous of hosting such receptions to promote the future Congress/Forum/IEC meetings.
- 5.4 Half-day or full-day sightseeing trips within the host city or nearby can be arranged for accompanying persons on the days of the meetings and their costs built in the Accompanying Persons' registration fee. At least two such tours/some interesting programmes shall be included as part of the accompanying persons registration fee. 'Host NC' may also arrange some additional sightseeing and cultural tours during 'The Event' at a reasonable cost exclusively for the accompanying persons.
- 5.5 'Host NC' should organize technical tours for the delegates after the completion of 'The Event' duly taking into account the issues listed in Annex V [Arrangement for study tours].

6. Coordination with ICID Central Office (ICID CO)

- 6.1 The 'Host NC' will nominate one focal person for day to day coordination with ICID CO.
- 6.2 Arrangements shall be made by 'Host NC' for properly receiving the consignment (normally weighing about 100 kg or more) sent by ICID CO by air freight containing conference material, publications, plaques etc., for free distribution / presentation during 'The Event'.

- 6.3 'Host NC' should arrange to get the conference material cleared from the customs in the host country. The 'Host NC' should identify the name of the person along with full postal address, e-mail and mobile, receiving the consignment on behalf of ICID Central Office.
- 6.3 'Host NC' should arrange/facilitate the printing of the material (Abstract Volume/Proceedings etc.) required for distribution during 'The Event' in the host city at the cost of ICID CO.
- 6.4 'Host NC' would also arrange for access to the venue by the ICID CO staff one day prior to the commencement of 'The Event' for overseeing the arrangements at the venue for the opening ceremony and other sessions, pre-event meetings and to set up CO office.
- 6.5 At least two WebEx meetings shall be organized between Host NC and ICID Central Office for prior review and finalization of the arrangements for the event. If any event managers have been appointed, they may also participate in the WebEx meeting.

7. Technical Aspects

- 7.1 An International Technical Advisory Committee (ITAC) shall be constituted by ICID for the Congresses and World Irrigation Forum in consultation with the 'Host NC' to oversee the technical aspects of 'The Event', in which a minimum of five members from the host NCs are nominated.
- 7.2 In addition, an International Steering Committee (ISC) shall be set up by ICID for World Irrigation Forum under the co-chairmanship of President of ICID and Chair of the 'Host NC' and 2 other senior members from each party, to oversee the overall preparation and successful conduct of the Forum.
- 7.3 Call for papers, arrangement for receiving the abstracts/papers, review by international experts (preferably through EasyChair portal) and issue of guidelines to authors for preparation as detailed in Annex VI [Arrangements for conduct of technical sessions] shall be the responsibility of ICID CO under the guidance of ITAC. This also includes identifying session officers: Chair, Vice Chair, Secretary/ Rapporteurs (YPs), Session Assistants, etc for different sessions, in consultation with ITAC and the Host NC.
- 7.4 ICID CO shall be responsible for bringing out the Pre- and Post- Event proceedings, including its printing and dissemination.
- 7.5 There will be events where awards / plaques/ recognitions from ICID will be made as a part of the proceedings. The Host NC shall facilitate organizing such award ceremonies with ensuring presence of high level dignitaries to hand over the awards to the recipients.

8. Financial Aspects

- 8.1 'Host NC' shall bear all the financial costs related to the successful organization of 'The Event' including the related financial obligations as given in Annex VII [Financial Arrangements].
- 8.2 'Host NC' should submit detailed 'Financial Returns' in Form B (Annex VIII) to the Secretary General within three months of 'The Event' in order to account for and incorporate contribution to the ICID Budget.

9. Protocol Arrangements

- 9.1 'Host NC' shall make all protocol arrangements for the Ministers and High-Level Officials attending 'The Event', which shall be initiated by the participating National Committees at least 30 days in advance. The 'Host NC' shall extend invitation to the identified Ministers and High-Level Officers as per the protocol followed in the host country.
- 9.2 President ICID is the head of an organization with 60 or so member countries and needs to be extended the appropriate courtesies. The 'Host NC' shall sound their respective protocol departments about the status of the President of ICID to extend courtesies befitting their position as President, ICID during various functions at 'The Event'.

10. Settlement of Disputes

- 10.1 Any dispute between 'ICID' and the 'Host NC' arising out of the interpretation or execution of this 'Agreement' shall be settled in consultation with ICID Management Board.

11. Amendments

Any amendment to this 'Agreement' shall be effected only on the basis of written mutual consent by the Parties.

12 The present 'Agreement' shall enter into force upon signing by both Parties and shall remain in force for the duration from the signing of this 'Agreement' to a period thereafter as may be necessary for all matters relating to any of its provisions to be settled (generally three months after 'The Event' or till the eligible share of registration fee is received in the ICID CO). For detailed information about the proposal to conduct ICID events, kindly visit Section 4 of Handbook of Procedures, available at http://www.icid.org/handbook_procedure.pdf governing the guidelines for preparation and conduct of International Executive Council Meetings and ICID Congresses/World Irrigation Forum and Conferences.

Signature (Chairman, Host NC)
Signed on behalf of the [Name of Host National
Committee]

Date:

Signature (Secretary General, ICID)
Signed on behalf of the International Commission on
Irrigation and Drainage (ICID)

Date:



RESPONSIBILITIES FOR PROMOTION AND DISSEMINATION OF THE EVENT

1. Host NC to set up a dedicated event web site (at least 2 years prior to the Event). CO should provide a permanent link from the ICID website to the event website as soon as the event website is launched.
2. Host NC should issue three announcement bulletins in English in consultation with CO as per the schedule and contents given below.
 - 2.1 First announcement: Twenty-four months before the event giving the following details:
 - (a) Venues of IEC Meetings and Congresses / World Irrigation Forum,
 - (b) Introduction of ICID,
 - (c) Logo designed for the Congress / World Irrigation Forum,
 - (d) Member countries and Year of Joining ICID,
 - (e) Letter of invitation from the President of ICID,
 - (f) Letter of invitation from the Chairperson of the Congress / World Irrigation Forum Organizing Committee,
 - (g) Letter of invitation from the Chairman of Host National Committee,
 - (h) Information on Weather, Currency and Banking, Voltage and Power Supply,
 - (i) Important dates to remember,
 - (j) Congress Theme, Questions and their Scope/ World Irrigation Fora Theme and sub-themes.
 - (k) Preliminary programme
 - (l) Organizing Committee,
 - (m) Preliminary registration form.
 - 2.2 Issue of Second announcement at least 12 months prior to the event giving the following details:
 - (a) Updated information given in the first announcement,
 - (b) Schedule of Preliminary Program
 - (c) List of National Organizing Committee Members,
 - (d) Call for Papers, with guidelines for preparing abstracts and papers.
 - 2.3 Issue of Third/Final announcement: six months prior to event giving the following details:
 - (a) Theme, sub-themes, supporting events etc.
 - (b) Symposium, Special Session, and Seminars, if any,
 - (c) Draft final programme,
 - (d) Exhibition information,
 - (e) Itinerary of accompanying persons tours (during the event) and technical tours (after the event),
 - (f) Detailed Information on Hotels/Accommodation,
 - (g) Cancellation policy and procedure: refund of hotel charges and registration fee;
 - (h) Registration Form
 - (i) Travel 'Guide Book' covering airport transfers, local transport and other information as considered relevant for visiting the host country.
3. Mail the announcements and any other promotional material directly to member countries of ICID, the regional and international organizations, the press and social media. The host NC may avail the consular services of their country in various countries for extending invitations and promoting the event at the official level.

4. Host NC should organize promotional events at the country level for encouraging participation of all the stakeholders, young professionals and students.
5. CO shall bring out information about the Host NC and the country in its dissemination channels with support from the Host NC in preparing technical material to introduce the history and current status related to irrigation, drainage and flood management of the country in English.
6. Host NC should report progress on the preparation of the Congress / World Irrigation Forum at IEC meetings.
7. Host NC may also consider organising a reception during other ICID annual events prior to the said event being Hosted by the NC.
8. By keeping, close contact with the ICID Central Office, the final detailed programme should be edited and completed at least two months before the Congress/Forum.
9. CO should be kept informed of the latest tally of the participants registered and updated lists of NCs and names of their representatives attending the IEC meetings, in order to allow the ICID Central Office to send reminders, where required.
10. The Registration Kit, in the form of a bag/folder should contain summary sheet of articles in the registration kit, badge, floor plan of venue, a pocket-sized detailed programme, map of city including tourist leaflet, hotel addresses and details, study/technical tours and related materials, list of participants and contact details, memento (optional) and material from ICID Central Office, if any.



FACILITIES REQUIRED AT THE VENUE

1. Meeting Rooms

- 1.1. Venue should be equipped to conduct about 30 meetings of Workbodies and about 15 side meetings that take place along with each IEC meeting, with eight to ten meetings running in parallel.
- 1.2. The Convention Center should be large enough for the meetings to proceed efficiently and comfortably with proper acoustics, seating and writing desk arrangements.
- 1.3. The dais and IEC meeting hall in general would preferably be decorated tastefully with banners displaying the Event name, the logos of the host country and ICID etc.
- 1.4. Reception Hall should have separate counters for registration of delegates, invitees, hotels, transportation, tours and travel (for rerouting, reconfirmation of travel bookings), money exchange, medical facilities, messages, and other services.
- 1.5. The hall for opening and closing ceremonies should have a capacity of up to 1000 persons; the Capacity of hall for IEC meeting should be for about 300 persons; the meeting rooms for the Permanent Committees should be between 100-150 persons; the meeting rooms for ICID Working Groups should be for 40 - 60 persons.
- 1.6. Provide location indicators/markers to guide participants at strategic locations en-route meeting halls.
- 1.7. Conference Hall for the IEC meeting should be equipped with seats with desks, having microphones, audio-visual aids and a large projection screen and other additional projection screens for all the participants including those sitting on the dais.

2. Other Arrangements

- 2.1. Provide chairs and small tables in the reception hall or near the registration counters and at different places at the venue for small groups of delegates wishing to work or talk or wait.
- 2.2. Provide a NC display area in the 'Conference Exhibition Area' to exhibit their past achievements, present activities and future plans (free of cost to NCs). Requirements of space by NCs is ascertained in advance by the host NC in consultation with ICID. A wall space of about 400 m² will be required to accommodate exhibits (mainly posters) from active NCs of ICID. An average about 5 to 8 m² of wall space may be allotted to each NC for such display, on first-cum-first-served basis. Provide spacious tables with display fix-on boards with space for about 15 posters (0.8 m x 1.2 m (width x height) or A-0 size) for this display.
- 2.3. The accompanied person/Technical tour desk should be located in the registration area and close to the information desk and be manned by a travel agent. The person could also be assigned to sort out delegates' individual air travel problems, changes, reconfirmation, etc.
- 2.4. Arrange for return journey reconfirmations and facilitation of change of travel plans for participants.
- 2.5. Organizers preferably would have to arrange their representatives or a designated travel agency to meet delegates at the airport and guide them to the hotels, where they are accommodated. The host NC may provide transport to the hotels or extend assistance to delegates in reaching their hotels.
- 2.6. Provide a 'Message Board' to display daily news bulletin/ messages from the host NC. Also provide services of a knowledgeable professional to function as an editor for drafting the daily news bulletins and provide a place for him near ICID stall to receive news/information.
- 2.7. Provide two separate notice boards near the registration counters for the Organizing Committee official notices from, such as the current day's and following days' programme with changes in timing and venue, if any; and delegates to exchange messages (Message stick-on slips are to be provided).
- 2.8. Set up special stall at a prominent place near registration desks for sale and display of ICID publications/material. Services of two volunteers, preferably Junior Young Professionals, are to be provided at the stall to assist the representative of the Central Office to manage it from one day before the event commences to the end of the event.
- 2.9. Place mail boxes/pigeon hole stands close to registration desk for distribution of documents and exchange of information with the NCs.

Audio-Visual, Reprographic, Interpretation Facilities

- 3.1. Arrange for video recordings of Opening / Closing Ceremonies of the event.
- 3.2. Full audio recordings of all the proceedings of IEC Plenary, Main IEC meeting and other designated meetings, including interventions in English and French, as may be required. All the recordings on pen drive/CDs are to be handed over to Central Office Representative at the end of the IEC meeting.
- 3.3. Arrange for photography during opening and closing ceremonies of Congress/Forum and meetings of IEC, Workbodies, study tours, technical sessions and important social events for maintaining a record. A complete set of photos should be compiled on pen drive/CD/DVDs and provided to the Central Office immediately after the meetings for subsequent reporting (post event publications), dissemination, etc.
- 3.4. Session wise Power Point presentations made in all workbody meetings, opening / closing sessions, IEC shall be collected / compiled (in pen drives/ CD/DVDs) every day and handed over to the Central Office Representatives the same evening.
- 3.5. Hand over the material for inclusion in the ICID Newsletter/News Update for publicity to Central Office representative on the last day of the event.
- 3.6. A complete set of papers distributed to the delegates during the study/technical tours, selected photographs of tours/visits, a brief description of places visited and a general report on all the study/technical tours is to be handed over to the ICID Professional.



FACILITIES REQUIRED FOR ICID CO (SECRETARIAT) AT THE VENUE

1. Separate offices shall be provided for the President, Secretary General, and Central Office Professionals at a convenient location in the venue so that it is easily accessible to the participants. The office of the Secretary General should be located preferably next to the President's office. The office of Central Office Professionals should preferably be next to the Secretary General's Office.
2. Office rooms of President/Secretary General/Central Office shall be provided with PCs, Internet links and reprographic facilities. At least one PC with internet, printer and stationery has to be provided in each of these rooms. An easily accessible heavy-duty photocopier machine with stationery (papers, ink etc.) for use by CO Professionals shall also be provided in the CO secretariat with one extra PC, in other words two PCs for CO Secretariat.
3. Provide facilities for tea/coffee, drinking water in these offices. Assign a volunteer to attend to urgent errands from these offices, if feasible. Six extra chairs in each room are to be provided for organizing small meetings and for visitors.
4. All the 3 rooms should be separate, lockable (lock & Key arrangement) and should allow complete privacy as important and sensitive meetings, discussions are held there. These office rooms have to be kept accessible 24 hours during the period of the event. Security personnel has to be informed accordingly and special arrangement made in advance, if required.
5. Provide services of a Reprographic Assistant in 2 shifts. Provide two sets of equipment and adequate manpower for photocopying and making required number of sets of documents along with the required stationery. Often the work runs late into the night and therefore arrangement for security and access to the offices has to be ensured.
6. Space/ a separate room with multi plug-sockets and spare tables/chairs shall be provided near the Central Office Secretariat for the workbody Chairs and Office Bearers for preparing minutes / reports etc.
7. Independent transport arrangement should be made for the President, Secretary General and Central Office Professionals from hotel to venue and back as they will have to work late in the office.



**REGISTRATION FEE AS APPROVED BY
INTERNATIONAL EXECUTIVE COUNCIL (IEC)**

Sl. No.	Category	Registration Fee (US Dollars)	Registration Fee after Early Bird Discount (US Dollars)
Full Registration Details			
1	Member countries		
	Forum / Congress / Council		
2	Non-member countries		
	Forum / Congress / Council		
3	Young / Retired professionals		
	Forum / Congress / Council		
4	Local Delegates		
5	Students Registration Forum only		
6	Daily Registration Forum only		
7	Accompanying persons		
	Forum / Congress / Council		
8	Technical Tours		
9	Exhibitors Registration		



ARRANGEMENTS FOR STUDY/TECHNICAL TOURS

1. There are three categories of tours: (i) One-day or half-day tours (generally non-technical), usually held during the conference for accompanied persons, which may or may not be provided within the registration fee for the conference; (ii) Post-conference tours provided at extra cost and lasting 1-3 days; (iii) Networking tours, similar to (i) but held before the conference starts to provide an opportunity for the delegates (and accompanying persons) to get to know one another and the region of the conference at extra cost.
2. More than one choice of tour may be offered in each category. In case there is insufficient interest in a particular tour, delegates should be warned that it may be cancelled. If delegates are asked to express a second or third choice then this can help in arranging a satisfactory alternative.
3. Extra cost and time spend in the study tours must be justified by the tour's technical value. Apart from the technical value, the tours may also have touristic, social or cultural content but the technical component is paramount and essential. Some delegates have to submit reports to their sponsors and/or they may have difficulty with the language. Printed information is especially helpful here. Tours should have the necessary content relevant to the broad interest of managing water for sustainable agriculture.
4. The Tours may be arranged through a professional tour company. The costs of such tours and visits can be additional to the registration fee, but the cost should be competitive with tours available to ordinary visitors.
5. It is important that the tour is not too ambitious and keeps to time. The route should be explored beforehand knowing that the speed and access of the bus may not be easy. A time should be scheduled for each stop and on the day, the delegates should be given a strict time and signal to re-board the bus.
6. Apart from the touristic guide, one representative preferably a bi-lingual from the Organizing Committee is preferred to accompany each coach of the tour. The person provides a commentary on public address system of the places being visited and seen during the tour.
7. Participants should be provided with pocket-size programme cards in English/French for reference during the tours. The delegates should be provided with adequate information about the schedule, route and stops, including printed information sheets and maps giving names and other key information. Separate card for the programme and time table for each tour day is preferable. Provide a complete list of participants of the tour and the designated coaches they are travelling in.
8. During a tour, pre-recorded taped commentary both in English and French could be played for participants as introduction.
9. Some tour companies like to give time for delegates to stop and shop where possibly they get a commission. Such stops are not appropriate for technical tours and therefore tour companies need to exercise caution.
10. A follow-up car is useful to collect those who miss the bus to avoid the common problem of 1-2 people holding up the whole tour. This may be especially important if there is an evening event or delegates are catching planes, etc.
11. Drinking water, and possibly a toilet, should be available on the bus. If toilet facilities are unavailable or limited at certain stops, then delegates should be warned of this.
12. There should be a contingency plan for dealing with inclement weather (e.g. heavy rain), disabled access, sudden illness, accidents, etc.



ARRANGEMENTS FOR CONDUCT OF IEC AND TECHNICAL SESSIONS

1. An elevated dais for IEC meeting to seat 11 Office Bearers is to be set up on the previous evening of the day of IEC Main Session. At the head table (dais), seats are provided for President, 9 Vice Presidents and Secretary General (Office Bearers). The dais may be raised 30/60 cm above the floor with steps on either side. If the layout is rectangular, the 11 Office Bearers are to be seated on one side of the rectangle. For the Office-Bearers on the dais, the name boards should be prepared for President and the Secretary General with designation and by individual names for the 9 Vice Presidents.
2. A table and two chairs for the Central Office Professionals should be arranged near the dais on the floor. The seating plan of the meeting room should be prepared in advance in consultation with the Central Office Professionals.
3. Seating for representatives of NCs and affiliated organizations should preferably be around a rectangular table with two seats per NC. One Additional/Alternate member may sit at the back of the main representative. Countries will sit in alphabetic sequence starting with host NC, first on the left. Boards bearing names of the NCs/Countries / Presidents Hon./International Observers are to be made either in the inverted V shape or in a card shape to be inserted into a slot on the table/stand. The names of NCs/countries should to be printed on both sides.
4. Conference Hall should have arrangement for interpreters, microphones on all the tables, audio-visual aids, and simultaneous translators' boxes. Recording and simultaneous interpretation facilities (from English to French and vice-versa) is required at the inaugural (opening), AFRWG meeting, IEC Plenary and Main IEC Session (full day).
5. All microphones have to be connected to the interpreters' room and audio recorder and tested in advance for obtaining clear recordings.
6. Standard seating arrangements and facilities for Power Point presentation should be made in all the meeting rooms.
7. The daily programme containing the day-to-day events should be prepared, that should be placed at the Registration Desk and displayed on TV screens suitably placed near the registration desk and/or other prominent place(s) around the venue. Draft of this programme is decided in consultation with the Central Office professionals.
8. Availability of about 2-3 volunteers to promptly distribute and collect or transmit papers in meeting hall is necessary when requested by the Chair of the meeting or Central Office Professionals.
9. Arrange for drinking water and beverages (coffee, tea and light refreshments) twice at mid-morning and mid-afternoon for each day i.e. Health Breaks. Make drinking water available in all meeting rooms/halls also. The arrangement for working lunch during all the meeting days will be made by host National Committee.



FINANCIAL ARRANGEMENTS

1. Host NC shall present a detailed financial proposal in consultation with ICID Central Office and present the same at the meeting of Permanent Finance Committee (PFC), clearly mentioning the registration fee structure soon after the event is allotted.
2. Host should bear the registration, full lodging and study/technical tour costs in respect of President, Secretary General and two CO Professionals, for Congress / WIF and (1 no.) for IEC//MIC/IDW/RC and shall provide and pay for local secretariat assistance required by the President, the Secretary-General and the Professional(s) of ICID during and immediately before and after the Congress/WIF and meetings of the Council and work bodies.
3. One delegate from International Organizations (IO), up to a maximum of five IO, will be invited by ICID and shall be exempted from payment of registration fee.
4. The host NC shall also waive registration fees of five young professionals sponsored by ICID under the Young Professional Support Program.
5. Host NC shall fund the cash prize given for WatSave awards (Four x US\$ 2000 each) amounting to US\$ 8000 at the IEC meeting.
6. The host NC shall arrange and pay for the expenses on hiring of audio/video recording devices, including simultaneous interpretation instruments and interpreters and general photography as part of the conference expenditure.
7. Complementary space shall be provided for display of technical matters by the member NCs (Max 10) i.e. NC display in the Exhibition Area, as detailed in Annex II – Other Arrangements.
8. Host NC shall make special contribution to the ICID general fund. A share of the registration fee, as stipulated in By-law 7.4, in the following portion of the total registration fee received from all participants, but excluding fees for non-participant accompanying persons received from the events, is to be transferred to ICID:
 - (a) 35% share of registration fees (all delegates) from the Congress and Forums.
 - (b) 15% share of registration fees (all delegates) for the IEC meeting (with or without Regional Conference)
 - (c) 5% share of registration fees (all delegates) in case of a separate Regional Conference, International Micro Irrigation Conference, and International Drainage Workshop approved by IEC where ICID logo or banner is used.
9. The host NC shall submit detailed Financial Report in Form B [Annex VIII] to the Secretary General within three months of the event in order to account for and incorporate contribution to the ICID Budget.
10. The registration fee for the event shall be charged as per the following table approved by IEC two years ahead of the event.





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**FINANCIAL STATEMENT TO BE SUBMITTED FOR ICID CONFERENCES /
CONGRESSES / WORLD IRRIGATION FORA**

Name of the Event: _____

Location: _____

Organized by: _____

Date of the event: _____

A. Foreign Delegates

Sl. No.	Category	No. of delegates attended	Registration Fee (US Dollars)	Registration Fee after Early Bird Discount (US Dollars)	Actual Income (US Dollars)
Full Registration Details					
1	Member countries				
	Forum / Congress / Council				
2	Non-member countries				
	Forum / Congress / Council				
3	Young / Retired professionals				
	Forum / Congress / Council				
4	Students Registration Forum only				
5	Daily Registration Forum only				
6	Accompanying persons				
	Forum / Congress / Council				
7	Technical Tours				
8	Exhibitors Registration				
	Total				

B. Local Delegates

Sl. No.	Category	No. of delegates attended	Registration Fee (US Dollars)	Registration Fee after Early Registration Discount (US Dollars)	Actual Income (US Dollars)
1	Local Members				
2	Local Non-Members				
3	Retired Professionals				
4	Young Professionals				
5	Students Registration				
6	Daily Registration				
7	Technical Tours				
8	Exhibitors				
	Total				

C. Total Income

Total Expected Income=A + B = US \$ _____

Share to be remitted to ICID Central Office = US \$ _____

Congress / Forum -- 35%; International Executive Council
(with or without Regional Conference) – 15%; other
ICID events – 5%

Balance = US \$ _____

Total amount required to host the event = US \$ _____



**AGENDA FOR THE INFORMAL MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Presented by the Chairman

WG-IDSST Agenda Item 1: Introduction of the new Working Group by the Chair¹

1. During 28th meeting of Permanent Committee on Strategy and Organization (PCSO) held at Mexico City in October 2017, the Committee noted that the Working Group on Irrigation and Drainage in the States Under Socio-Economic Transformation (WG-IDSST) concluded its activities after completion of its mandate. The mandate of the new working group as included in the Scoping Document (SD) of the WG is as follows:

New mandate of the WG:

- (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states;
- (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it;
- (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles;
- (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.;
- (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D;
- (f) to promote farmer's and WUAs training to create awareness about agricultural water management.
- (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation.

2. The Scoping Document (refer **Annex 1**) for the new Working Group on Irrigation and Drainage in the States Under Socio-Economic Transformation (WG-IDSST) has been circulated to all the National Committees in January and May 2018 for their comments/ observations and invited nominations for the new Working Group. In response, nominations of Dr. Katsuyuki Shimizu (Japan), Mr. Rafaquat Ali (Pakistan), Dr. Hassan Abu Bashar (Sudan), VPH Dr. Mohamed Wahba (Egypt), Dr. Andrii Shatkovskiyi (Ukraine) have been received from the National Committees for the membership of the new WG-IDSST. However, CV of Dr. Bashar is yet to be received. In May 2018, Mexican National Committee (MXCID) has informed the ICID Central Office that they are in the process of contacting the professionals and will propose the names in due course. In May 2018, Mr. Kimsanov Dilshood (Tajikistan) informed that he would like to make a presentation during the meeting. In response to VPH Prof. Dukhovny's call for the support of 10 NCs, PH Peter Lee (UK) and VP Irene Bondarik (Russia) have extended their support for the establishment of the new WG. However, nominations from them are yet to be received.

3. In addition, the ICID CO has contacted the existing members of the erstwhile WG-IDSST and requested them to confirm their interest through their NC for continuation of their membership of new WG. In response, ICID CO has received consent to continue the membership for the new WG from VPH Peter Kovalenko (Ukraine), VPH Viktor Dukhovny (Uzbekistan), Dr. Shukhrat Mukhamedjanov (Uzbekistan), and Engr Peter Yakubu Manjuk (Nigeria). In addition, the ICID CO has followed-up with the members viz. Mr. Clarke Ballard (Australia), Marine Egutia (Georgia), Eng. Omid Moridnejad (Iran), Haeruddin Cebba Maddi (Indonesia), Jong Myong Kim (Korea, Rep. of), Mohd Adnan Ahmad Fauzi (Malaysia) who attended the Mexico meetings in October 2017 and requested them to become member of the new WG through their respective NCs. However, their responses are awaited.

¹ This will also include details of membership of WG as **Annex**

SUPP: Mr. Dilshod Kimsanov, Secretary, Tajikistan National Committee (TAJCID) desired to make a presentation and express views of TAJCID on the establishment of new WG and propose the topics for discussion.

In response to follow-up for the membership of WG, Mr. Clarke Ballard (Australia) vide email of 14 July has informed that he has forwarded the request to IANCID to propose a new member in the WG however, response is awaited.

VPH Dr. Mohamed Wahba (Egypt) vide his email of 26 July has informed that due to some unavoidable circumstances, he will not be able to attend the Canada meeting however, he is ready to participate through online WebEx meeting, if possible.

WG-IDSST Agenda Item 2: Road Map to ICID Vision 2030 – Activities in the States under socioeconomic transformation

4. During Mexico meeting (2017), the WG finalised the Action Plan 2030 (Road Map to ICID Vision 2030) of the WG-IDSST based on the new mandate by updating the activities on flood management issues (refer **Annex 2**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.

5. Accordingly, in January 2018, the ICID CO has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. WG Chair will discuss the mechanisms to monitor the progress of identified activities under action plan.

WG-IDSST Agenda Item 3: Discuss and develop work plan based on new mandate

6. The members present may discuss and deliberate on development of work plan based on the new mandate and ICID Vision 2030.

WG-IDSST Agenda Item 4: Scoping document and membership for the new Working Group

7. During the PCSO meeting held at Mexico in October 2017, based on the report submitted by the Chair VPH Peter Kovalekno, the Committee recommended establishing a new WG on Irrigation and Drainage in States under Socio-Economic Transformation (WG-IDSST) with the revised mandate. However, the 68th International Executive Council endorsed the recommendations of PCTA that the WG (new or extension) should be approved only, if at least 10 NCs support its activities by way of sponsoring its experts to participate in the WG's activities. The status of membership of the working group is given as **Annex 3**.

8. The Chair may discuss the SD and the membership of the WG and present it to Chair of PCSO in its meeting on 15 August 2018 for approval by the IEC.

WG-IDSST Agenda Item 5: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 15 August 2018.

UPDATED SCOPING DOCUMENT

1. Introduction

- 1.1 **WG-IDSST** was established after successful completion of the mandate of the Special Work Team on Aral Sea Basin (ST-ARAL) and taking into account the aspirations of some countries in transition to join the new WG to consider mutual problems and cooperate to solve them. The countries in transition in the Central Asia and Europe faced tremendous challenges of economic, political and social nature, especially in rural areas since last two decades (1990–2010). These challenges include reduction in the government subsidies to the agricultural sector and lack of investment, not only in the further development of irrigation and drainage infrastructure, but also in the maintenance of the existing structures. Consequently, there was a drastic reduction in the irrigated areas in these countries resulting in demoralization of institutions responsible for supporting the infrastructure for irrigation. These challenges resulted in poor water management services and in the lack of interest of young professionals in irrigation and drainage sector.
- 1.2 Given above, a new WG, named as WG-IDSST, was set up in 2009 with broader objectives, such as: (1) to develop and strengthen the network among the countries in transition; (2) to organize monitoring and evaluation of common problems in the states in transition; (3) to create database and information exchange on the changing situation in Irrigation and Drainage in these States and to attract global and national attention to the existing trends affecting global and national food security and wellbeing of rural population; (4) to summarize the experiences in overcoming negative tendencies in organizing public-private partnerships, implementation of IWRM and involving stakeholders; (5) to monitor the ecological situation in the transition states, including problems of closed basin (the Aral Sea, the Caspian Sea), salinization and waterlogging, etc.; (6) to develop appropriate advanced irrigation and drainage technology in transition states and its dissemination through capacity building; and (7) to promote farmer's training to create awareness about irrigated and drained agriculture.
- 1.3 The WG-IDSST, however, could not mobilize needed financial resources to carry out the planned activities of the WG. But, in spite of the challenges as above, the WG leaders VPH Peter Kovalenko and VPH Victor Dukhovny successfully organized partnerships between their basic organizations SIC ICWC, as well as the Network of Basin Water Organizations from Eastern Europe, Caucasus and Central Asia (EECCA NWO) and GWP for Caucasus and Central Asia (GWP CACENA) with the annual support of UNECE for many representatives from the far allocated states from the EECCA region to participate in meetings of WG. Nigeria, India, Hungary, Australia, South Africa, and Chad showed their interest in some focus areas of our activities, particularly in the development of information system, training, water governance, farmers consulting service, IWRM etc.
- 1.4 Given above, the ICID President and members of the group and some observers from the developed states (Japan, USA, World Bank) thought appropriate to renew the focus areas of WG-IDSST in broader terms, taking into account the specific features of many different states with rather low level of national income in transitional economy.

2. Specifics of the present needs and problems of the states under socio-economic transformation in the irrigation and drainage sector

- 2.1 The list of challenges below is not finite and exhaustive. Nevertheless, it more or less covers the major challenges for enhanced focus of the WG:
- (a) **Strong reduction in the irrigated area** was a result of extreme cutting of the subsidies for implementation, operation and maintenance of the irrigation network, mostly equipped by sprinkler systems. According to the data collected within the area of the former Eastern block, such land exceeds 11 million hectares, excluding the land facing continuous or periodical water scarcity. For instance, the Province of Karakalpakstan in Uzbekistan and the Kzyl-Orda province in Kazakhstan during the water scarcity period of 2000 -2001 lost one fifth (about 30%) of actual irrigated areas, which have been rehabilitated for a long time.
 - (b) **Lack of financial capacity of the states** to cover irrigation network costs and weak capacity of water users to contribute their shares. It is typical for the states with a rural orientation and with a GNI less than US\$ 4000 per capita.
 - (c) **Institutional structure** is characterized by a combination of inertia left from the previous administration and lack of willingness to adapt to the IWRM approach.
 - (d) **Need to focus on the improvement of water and land productivity** through using soft methods (control of management losses, use of cheap but effective methods for water use and allocation, involvement of public initiatives at large and so on).

- (e) **Brain drain in the water sector and lack of knowledge among the new farmers** is not compensated by strengthening of information network and training.
- (f) **Irrigation lost its key role** as a priority for rural development as a result of changing governments focusing on short term issues and neglecting long-term needs.
- (g) **Neglecting climate change**, lack of knowledge and capacity development for newer adaptations.

3. Objectives

3.1. Relevance of the Working Group

The activities of the WG are very relevant to ICID as activities under Item 2 (a) and 2 (d) above contribute to Goal 1 of the ICID Action Plan under Vision 2030. Overcoming challenges shown in Item 2 (c) and 2 (e) will contribute to Goals 3 and 6 of the Vision 2030 and the developmental activities emerging from Item 2 (b), 2(f) and 2 (g) will give inputs for Goal 4 and 6 of the ICID Vision 2030.

3.2 Existing gaps that the Working Group is expected to fill in:

- (a) by merging the activities of WG-IDSST and Network of Basin Water Organizations from Eastern Europe, Caucasus and Central Asia (EECCA NWO) to involve more public participation representatives from the states to overcome the existing problems of the capacity building and the financing of activities in the field of mutual interests.
- (b) by enhancing the collaboration with GWP for Caucasus and Central Asia (GWP CACENA) to help fill gaps in capacity development and financial resources.
- (c) by inviting some donors to strengthen the areas of e-learning and developing the tools for water diplomacy and so on.

4. Promoting Partnerships

4.1. There is a real need to promote partnerships among governments, and agricultural and environmental organizations, as well as local authorities that work at different levels in each of these states under socio-economic transition. The specialists from such institutions can serve as a resource person for bringing in new information, best practices, different ideas and accumulated experiences.

4.2. Such specialists can be the academicians who work in different universities related to water use and water management, experts from training centers in water, environment and irrigation/drainage sectors, institutions of CGIAR system, especially IWMI and ICARDA, international educational water and environment centers, such as IHE-UNESCO, Dundy Law Center, McGill University and so on; various IFIs and bilateral agencies like the organizations of UN system (UNDP, UNEP, UN-Water, UNESCO, UNIDAD, Doctors without Borders, and so on; international NGOs related to the similar activity areas as WWC, IWRA, IWA, ICOLD, INBO and so on.

5. Mandate of the Working Group

5.1 The mandate of the working group is:

- (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states;
- (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it;
- (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles;
- (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.;
- (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D;
- (f) to promote farmer's and WUAs training to create awareness about agricultural water management.
- (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation.

6. Scope

The WG is expected to investigate, analyse, and disseminate information on new developments and to formulate recommendations as per activities listed in **Annex**. The WG will generally focus on the future situation of I&D in the states in transition, water governance principles, collecting the reports and publications on the states' food security, updating the status of IWRM in the states, state's activities in the maintenance of environmental situation, publishing the book on 'Introduction to modern water management and irrigation, and preparing a manual on 'Risk management in irrigated agriculture' etc.

7. Timeline

It is proposed to achieve the mandate of the new WG-IDSST in about six years.



ACTIVITIES TO BE UNDERTAKEN BY THE WORKING GROUP

Following activities are proposed to be taken up by the working group during its tenure –

1. Future situation of I&D in the states in transition

- 1.1 Preparing a list of potential states–partners from the members of ICID and providing them with a possible list of activities of the WG-IDSST.
- 1.2. Preparing a brief note on the future situation of I&D in the states in transition.
- 1.3. Preparing a simple list of monitoring indicators and disseminating them among the potential participants/partners.
- 1.4. Collecting this information annually (once a year).
- 1.5. Publishing the results of the monitoring and evaluation on the EECCA NWO Portal in cooperation with UNECE.

2. Water Governance principles

- 2.1. Increasing focus on the Water Governance principles of OECD.
- 2.2. Learning and collecting the existing and new proposals related to the improvement of institutional arrangement.
- 2.3. Organizing a workshop for promoting the UNECE Convention 1992 as a tool of global importance for legal strengthening of water collaboration between MOU and UNECE
- 2.4. Analyzing the best practices and possible ways for their dissemination among the states. Preparing the recommendations on the improvement of institutional and legal frameworks.
- 2.5. Collaborating with UNECE on the involvement of the states in transition in the 1992 Water Convention.

3. Information exchange

- 3.1. Organizing a joint workshop (or even a Conference) along with UNECE and INBO for establishing an annual system of exchange of information on the dynamic patterns of principal indicators of water sector and I&D sustainability.
- 3.2 Information exchange as a part of EECCA NWO Portal activity managed by SIC ICWC. Publishing the annual Policy Brief presenting the results of the information exchange.
- 3.3. Systematically reviewing and publishing the information on climate change, expected forecast and implementation of measures for mitigation and adaptation to climate change.
- 3.4 Periodically collecting the reports and publications on the states' food security.

4. Status of IWRM in the states

- 4.1 Updating the status of IWRM in the states, keeping in mind the difference between the creation of IWRM slogans and the actual implementation of IWRM and its outcomes in water use efficiency and water savings.
- 4.2 Summarizing the results of IWRM implementation in different states.
- 4.3 Reporting about the comparison of “nexus approach” and IWRM based on the field cases of UNECE and SIC ICWC work in the Fergana Valley.
- 4.4. Generalizing the results and experiences through preparing the recommendations (SIC ICWC) at national levels.
- 4.5 Considering the specifics of IWRM implementation in small river basins.
- 4.6 Preparing the guidelines on IWRM indicators for the different levels of water and I&D hierarchy.

5. Environmental situation

- 5.1. Analyzing the experiences of the states regarding the best environmental compliances according to the EWFD.
- 5.2. Disseminating the WWF experiences on the maintenance of river environmental flows – possible support in report preparation by UNEP with recommendations.

- 5.3 Up-scaling the experiences gained under the LaVacca Project on the use of remote sensing methods for the assessment of land degradation dynamics.
- 5.4. Reviewing the situation of soil salinity and preparing the recommendations for its control through improving drainage infrastructure and selecting salt resistant crop varieties as demonstrated in Uzbekistan.
- 5.5. Collecting the results of different state's activities in the maintenance of environmental situation through the stabilization of close basins degradation.

6. Publication and training

- 6.1. Reviewing appropriate advanced irrigation and drainage technologies in the states in transition and disseminating the results through training and publications.
- 6.2. Organizing a conference of young professionals among the states in transition and other European states.
- 6.3. Publishing the book on "Introduction to modern water management and irrigation".
- 6.4. Gathering young professionals' experience in the use of RS methods for determining land and water use – WUEMoCA tool dissemination.

7. Disseminating the experiences

- 7.1. Publishing the results emerging from cooperation among GWP, SIC ICWC and ICARDA through agricultural extension services for WUAs and farmers.
- 7.2. Preparing a manual on "Risk management in irrigated agriculture"
- 7.3. Reviewing and disseminating the experiences of different states on implementing the agricultural extension services.



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals	1.4 Organize workshop for IDSST	Workshops	Organize workshop		Organize workshop		
C4. Strategy: Compile, Collate and Share Knowledge and Experiences	4.18 Maintain an updated database on irrigation and drainage in the countries of transition	Database	Compile database	First draft of database	Final draft of database		
Goal F: Facilitate capacity development							
F3. Strategy: Technical Training of Young Professionals from Member Countries	3.6 Organize training Workshop	Training Workshop	Organize Training Workshop		Organize Training Workshop		

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



A. Status of membership of the Working Group

Sl. No.	Members	Member from	Remarks
1.	VPH Prof. Peter Kovalenko, Chairman (Ukraine)	2009	Confirmed to continue
2.	VPH Prof. Victor A. Dukhovny, Vice Chairman (Uzbekistan)	2009	Confirmed to continue
3.	Dr. Shukhrat Mukhamedjanov, Secretary (Uzbekistan)	2014	Confirmed to continue
4.	Dr. Katsuyuki Shimizu (Japan)	2013	Confirmed to continue
5.	Dr. Rajinder Kumar Gupta - Direct Member (India)	2014	
6.	Dr. Alexander Solovyev (Russia)	2014	
7.	Engr. Peter Yakube Manjuk (Nigeria)	2014	Confirmed to continue
8.	Mr. Baratov Rustam Okilovich (Tajikistan)	2015	Mr Kimsanov Dilshood will make presentation
9.	Eng. W.B. Palugaswewa (Sri Lanka)	2017	
10.	Secretary General, ICID		
	Permanent Observers		
(i)	Prof. Daene C. McKinney (IWRA)		
(ii)	FAO Representative		
(iii)	World Bank representative		

B. New nomination received from the National Committees

Sl. No.	Name	Country	Remarks
1	Mr. Rafaquat Ali	Pakistan	Nomination received
2	Dr. Hassan Abu Bashar	Sudan	Nomination received
3	VPH Dr. Mohamed Wahba	Egypt	Nomination received
4	Dr. Andrii Shatkovskyi	Ukraine	Nomination received

C. Supported for the establishment of new WG by the National Committees

Sl. No.	Name/ National Committee	Country	Remarks
1	Mexican National Committee	Mexico	
2	PH Peter Lee	UK	
3	VP Irene Bondarik	Russia	



**AGENDA FOR THE 3RD MEETING OF THE
ICID YOUNG PROFESSIONAL'S e-FORUM (IYPeF)**

14 August 2018, 9:00-10:30 hours (Session-I)
14 August 2018, 11:00-12:30 hours (Session-II)
Saskatoon, Saskatchewan, Canada

Year of Establishment: 2015

Mandate: (a) Encourage and promote a high standard of professional development amongst the young professionals in the field of irrigation, drainage, and flood management; (b) Provide an international platform for young irrigation and drainage professionals; (c) Expose young professional to ICID's purpose, objectives, role and activities; (d) Facilitate the wider dissemination of knowledge and information amongst the young professionals; and (e) Maintain and enhance links with national and international youth having interests in water related subjects or the activities, relevant to ICID objectives.

LinkedIn Group: <https://www.linkedin.com/groups/6990321>

IYPeF Agenda Item 1. Action taken report by Coordinator

1. The Coordinator will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017. The existing Coordinator and Joint Coordinators of IYPeF are given at Annex 1.

IYPeF Agenda Item 2. Report of the Virtual meetings of IYPeF

3. The First virtual meeting of IYPeF was organized on 30 November 2017 wherein six coordinators and Central Office participated. During the meeting Ms. Kathleen Heuvel welcomed all the members of IYPeF and informed that the aim of the meeting was to discuss and provide comments on the minutes of the 2nd IYPeF meeting held in Mexico City on 11th November 2017 and to further discuss and finalize e-discussion and webinar topics and updates on the proposed social media platform.

4. During the virtual meeting, Dr. Vijay Labhsetwar suggested in accordance with the IYPeF mandate and previous year, five e-discussions on various topics may be organized in 2018 and efforts should be made to organize one e-discussion every month. After discussions, it was decided that IYPeF in consultation with ICID Central Office will identify topics for e-discussions which will be organized sequentially for duration of 2 weeks each. Each Coordinator should take lead for a particular e-discussion. All the coordinators of the subsequent e-discussions were asked to facilitate their concept note on given topics well in advance with mentors for each e-discussion. After completion of the discussion, the lead coordinator will prepare a brief summary of about 2-3 pages as outcome of e-discussion.

5. The Second virtual meeting of IYPeF was organized on 5 January 2018 wherein four coordinators and Central Office participated. The IYPeF Coordinators in consultation with the ICID Central office further firmed up the IYPeF activities for the Canada meetings 2018. During the meeting, the coordinators finalized the e-discussion topics and assigned the role of lead coordinator and mentor for each e-discussion topic. In addition, it was proposed that a series of three webinars, to be held every alternate month, will be presented on the IYPeF LinkedIn forum in 2018. IYPeF and CO worked together to identify topics and potential speakers. Besides, the activities undertaken by the group in 2017-18 were discussed.

6. The Third virtual meeting of IYPeF was organized on 6 June 2018 which aimed to summarize the action points of the YP activities held during the year including e-discussions, webinars and training program/ workshop(s) for the young professionals in Canada. The meeting was attended by five coordinators and ICID Central office. Mr. Amali Abraham Amali (Nigeria) participated in the meeting as an observer.

IYPeF Agenda Item 3. Report of the e-discussions

7. As per the mandate, the ICID Young Professional's e-Forum (IYPeF) organized five e-discussions during the period Jan-May 2018 with a specific focus on the theme "Innovative and Sustainable Agri-water Management: Adapting to a Variable and Changing Climate" for the upcoming International Conference and the 69th IEC Meeting of the International Commission on Irrigation and Drainage to be held from 12-17 August 2018 in Saskatoon, Saskatchewan, Canada. The discussions were held online to encourage and intensify the active participation of Young Professionals in ICID activities in the domain of irrigation, drainage and flood management. All the YPs actively participated in the discussions steered by a lead IYPeF coordinator and their respective mentors.

Based on active participation and rich contribution to the discussions, 10 Young Professionals were selected for Scholarships to participate in the International Conference and 69th IEC meetings in Canada representing the YP forum (Annex 1). A brief summary on each of the e-discussion is presented below:

IYPeF Agenda Item 3.1. The use of Groundwater for Sustainable Agriculture (Ms. Eman Ragab, Egypt)

8. Groundwater currently supplies water to approximately 41% of the world's irrigated area and contributes to about 44% of irrigated food production worldwide. The growing importance of groundwater for agriculture can largely be explained by the convenience of groundwater to act as a reliable source for irrigation, providing water on demand, while being largely unaffected by seasonal surface hydrological variation. In order to discuss the issue, Ms. Eman Ragab coordinated the first e-discussion on "*The use of Groundwater for Sustainable Agriculture*" from 15-31 January 2018. The main objectives of the discussion aimed to- (a) get an insight into the growing importance and challenges of using groundwater in irrigated agriculture; (b) discuss the need for putting in place policies, schemes and measures that would help in promoting sustainable agriculture and avoid over exploitation of groundwater and; (c) highlight the views of young professionals with regard to groundwater, its sustainable use and potential solutions for avoiding irreversible damage to groundwater. During the e-discussion, Prof. Ahmed Khater (Egypt) acted as Mentor. Ms. Ragab/Coordinator may provide further updates (outcome) at the meeting.

IYPeF Agenda Item 3.2. On-farm efficiency for small scale farming (Mr. Rafat Nael, Iraq)

9. Concerns about scarcity of water have focused attention on irrigation, the largest water user sector worldwide, which is widely seen as a low-value, wasteful and "inefficient" user of water and in times of scarcity we all have a responsibility to use water wisely, efficiently and productively. The concept of efficiency in irrigation evolved some 70 years ago, following extensive field work in the 1940s, measuring the quantities of water applied to fields compared to the actual evapotranspiration requirements etc. In order to discuss these issues, the second e-discussion on "*On-farm efficiency for small scale farming*" was coordinated by Mr. Rafat Nael from 15 Feb-2 March 2018. The e-discussion mainly focused to – (a) Bring young professionals (YPs) in contact with the experts in the field; (b) Expose YPs to new accounting terms and allow a clearer definition of the issues and options faced in irrigated agriculture; (c) Highlight the views of YPs in Irrigation and Drainage regarding on-farm irrigation systems and their efficiency in use; and (d) Discuss the issues of water productivity and water saving. During the e-discussion, President Felix B. Reinders (South Africa) acted as Mentor. Mr. Rafat/Coordinator may provide further updates (outcome) at the meeting.

IYPeF Agenda Item 3.3. Policy Options for Enhancing Food Security (Ms. Adey Mersha, Ethiopia)

10. Food security can be understood very differently in different settings or contexts. According to FAO, the right to food does not imply that governments have an obligation to hand out free food to everyone who wants it. It goes on to say that the right to food is not a right to a minimum ration of calories, proteins and other specific nutrients, or a right to be fed. It is about being guaranteed the right to feed oneself, which requires not only that food is available – that the ratio of production to the population is sufficient – but also that it is accessible – i.e., that each household either has the means to produce or buy its own food. In order to discuss these issues, the third e-discussion on "*Opportunities and challenges of drainage development*" was coordinated by ICID Central Office on behalf of Ms. Adey Mersha from 15-31 March 2018. The e-discussion aimed to take into consideration the following objectives and questions: (a) Bring all young professionals to the same understanding of the concept of 'Food Security'; (b) Explore the missing options/policies in achieving 'Food Security'; (c) Explore the "Out of the box" issues for achieving the sustainable 'Food Security' ; (d) Can Social Engineering i.e. manage social changes and regulate the future development and behaviour of a society, play a role in 'Food Security'? (e) Is governance an issue? ; and (f) Discuss how irrigation and drainage policies are related to the other policies for enhancing Food Security?. During the e-discussion, VPH Hafied Gany, Chair, (WG-IOA) Indonesia acted as Mentor. Ms. Mersha/Coordinator may provide further updates (outcome) at the meeting.

IYPeF Agenda Item 3.4. Climate Change Impacts on Irrigation & Drainage (Mr. M. Shoaib Saboory, Afghanistan)

11. There is strong evidence that climate is already changing around the globe. In particular, changes in rainfall patterns and temperatures may impact the amount and timing of water availability. These changes could impact agriculture and other systems—such as hydropower—and could have broad economic effects. In light of these possible consequences, projecting the impacts of climate change is a growing research topic. The main discussion surrounding climate change is precisely how much it will change and what can be done to adapt to impacts—or better, mitigate the causes. In order to discuss these issues, the fourth e-discussion on "*Climate Change Impacts on Irrigation & Drainage*" was coordinated by Mr. M. Shoaib Saboory from 15-30 April 2018. The e-discussion aimed to – (a) Ensure all Irrigation and Drainage Young Professionals understand climate change phenomena; (b) Share insights on impacts of climate change in young professional's country; (c) Elaborate on successful adaptation and mitigation measures that are being practiced in their region; (d) Describe the importance of climate change research, scenario development, data availability, and data accuracy on informing decisions about mitigation of climate

change impacts and; (e) Discuss the role of governments, international donors, institutions, and agencies to implement potential adaptation and mitigation measures. During the e-discussion, Dr. Thomas Mosier (USA) acted as Mentor. Mr. Saboory/Coordinator may provide further updates (outcome) at the meeting

IYPeF Agenda Item 3.5. Farmer led Innovations for water efficiency, shared global success stories (Ms. Kathleen Heuvel, Australia)

12. The fifth and last in the series, Ms. Kathleen Heuvel coordinated the e-discussion on “*Farmer led Innovations for water efficiency, shared global success stories*” from 15-31 May 2018. Farmer-led innovations in water efficiency have the distinct advantage in using local knowledge to develop locally specific solutions. It has been defined as the process where farmers assume a driving role in improving their water efficiency for agriculture by improving their knowledge on production technology, investment patterns and market linkages, and the governance of land and water. In the process, farmers exhibit entrepreneurial and risk-taking behavior and interact with a range of other actors. With such innovations taking place all over the world, there is much to be learned from sharing the global success stories of on-farm innovations. The e-discussion focused on – (a) Sharing insights and diverse experiences that young professionals have encountered that demonstrate farmer-led innovations; (b) Highlight the views of Irrigation and Drainage Young professionals in a global channel of communication with regard to farmer-led innovations for water efficiency; (c) Bring together Young Professionals to share their experiences and learn from the success stories in the Irrigation and Drainage sector worldwide; and (d) Discuss the long-term role of young professionals in Irrigation and Drainage in advancing farmer-led innovations. Mr. Carl Walters, Vice-Chair, WG-ON-FARM (Australia) acted as Mentor during the e-discussion. Ms. Heuvel/Coordinator may provide further updates (outcome) at the meeting

13. Based on the opinions expressed by participating members on the above topics, Joint Coordinators were invited to prepare a two-page write-up from the expression threads. The Coordinator may apprise the members.

IYPeF Agenda Item 4. Active participation in IYPeF Webinar series 2018

14. During the first virtual meeting of IYPeF held on 30 November 2017, Dr. Vijay Labhsetwar after discussion proposed that a series of three webinars will be presented in 2018. Webinars will ideally be held every second month, however this may vary due to availability of speakers. IYPeF and CO worked together to identify topics and potential speakers. It was decided that webinar duration would be of 1 hr i.e. 5 minutes introduction followed by 40 minutes PPT and thereafter 10 minutes discussion or question/answer session and closing of 5 minutes. The YP and speaker would prepare a brief concept note (about 300 words) giving scope, objective etc. along with a PPT and send the same to ICID CO (at least one month in advance) so that it can be shared with relevant WG Chair for their suggestions and views. ICID CO may invite the concerned WG to guide and give advice on development of webinar material, if possible. The announcement for webinar will be issued on IYPeF and other channels at least 15 days in advance of the actual date of webinar.

15. The following webinars were held in 2018: (a) Save Irrigation Water Using an Innovative Machine- Soil and Water Management for Rice Crop Cultivation (SWMR) by Dr. Mohamed El Hagarey (Egypt), a Young Professional WatSave Award winner (2016) on 3 April 2018; (b) Using System Rice Intensification to increase water productivity, in Nile Delta, Egypt by Dr. Arnulfo Gonzalvez and Ms. Sabah Khalifa from Egypt on 3 June 2018.

16. Mr. Paavan Kumar Reddy Gollapalli (India) and Mr. Najum Anjum (Afghanistan) has prepared webinar presentation on the topic ‘Open Source Geo-Spatial Tools and Mobile Device for Canal Network Digitization’ and ‘Water use efficiency and water productivity, Experience from Afghanistan’ respectively. However, this would be taken up in the next webinar series post Canada Meetings.

IYPeF Agenda Item 5. Capacity development program for Asian Young Professionals in 2018, China

17. ICID in association with the Chinese National Committee (CNCID) and support from the Korean National Committee (KCID) organized a five-day YP training program for the young professionals on the theme “Performance Assessment of Irrigation Systems” from 9-13 April 2018 at China Hall of Science and Technology in Beijing, China. NCs were invited to nominate Young Professionals (YPs) from institutions involved in agriculture water management within Asian countries to attend the program. CNCID also organized a 2-day workshop entitled “Innovations of Irrigation Technology” on 14-15 April 2018 for the young professionals. This is for information.

IYPeF Agenda Item 6. Training workshops for Young Professionals (YPs) in August 2018, Canada

18. Representatives from CANSID Dr. Willemijn Appels, Mueller Applied Research Chair in Irrigation Science, Centre for Technology, Environment and Design and Mr. Evan Derald, Science and Technology Branch, Agriculture and Agri- Food Canada will be organizing a full-day workshop for the YPs on 16 August 2018 from 09:00 to 17:00 hrs. All Young Professionals are encouraged to attend the training workshops and other assigned activities.

IYPeF Agenda Item 7. Proposed e-discussion and webinar topics for 2018-19

19. Based on the e-discussions organized during the year 2018, IYPeF Coordinators may discuss and propose new topics for the e-discussions and webinars for the year 2018-19 with the name of the “facilitating” coordinator at the meeting. They may suggest ways for making the e-discussions more effective and popular. The Coordinators will liaise with the Central Office via virtual meeting to finalize and shortlist from the proposed list of topics suggested.

IYPeF Agenda Item 8. Social media platform

20. The possibility of linking IYPeF with social media platforms such as Facebook, Instagram, Twitter etc. was collaboratively explored by Dr. Mika Turunen (Finland) and Amali Abraham Amali (Nigeria). The first glimpse of the same was shared for better promotion of the LinkedIn e-discussions, increased involvement for YP’s in countries without access to LinkedIn and for an informal social and photo sharing opportunity via Instagram. Dr. Mika and Mr. Amali provided latest updates to the members on social media activation during the third virtual meeting and also agreed to a presentation during the Canada Meetings.

IYPeF Agenda Item 9. Any other Business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Saskatchewan (Canada) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 15 August 2018.

Membership of ICID Young Professional's e-Forum (IYPeF)

SI. No	Name / Coordinator	Country	Membership
1	Ms. Kathleen Heuvel	Australia	Coordinator (2016)
2	Ms. Adey N. Mersha	Ethiopia	Joint Co-ordinator (2016)
3	Ms. Eman Ragab	Egypt	Joint Co-ordinator (2017)
4	Mr. M. Shoaib Saboory	Afghanistan	Joint Co-ordinator (2017)
5	Ms. Sahar Norouzi	Iran	New Joint Co-ordinator (2018)
6	Mr. Amali Abraham Amali	Nigeria	New Joint Co-ordinator (2018)

List of Recipients for IYPeF Scholarships

SI. No	Name	Country	Remarks
1	Mr. Girmachew Addisu	(Ethiopia)	Selected for scholarship in 2018
2	Ms. Sneha Reddy	India	Selected for scholarship in 2018
3	Mr. Hassan Farahani	Iran	Selected for scholarship in 2018
4	Mr. Sekyi-Annan Ephraim	Ghana	Selected for scholarship in 2018



**AGENDA FOR THE 38TH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

16 August 2018, 09.00-17.00 hours
Saskatoon, Saskatchewan, Canada

Mandate: The Permanent Committee for Technical Activities (PCTA) shall be concerned with all the technical activities of the Commission including all publications of ICID. It will be responsible for activities of the technical work bodies, for selection of Questions/Themes for Congresses, Conferences, Special Sessions, Symposia, etc., for settlement of the technical conclusions thereof and for making appropriate recommendations for action thereon.

Members: (1) Vice President Hon. Dr. Ding Kunlun, Chairman (China, 2015); (2) Prof. Graziano Ghinassi (Italy, 2012); (3) Prof. Masayoshi Satoh (Japan, 2012); (4) President Hon. Mr. Peter S. Lee (UK, 2013); (5) Ms. Aysen Pervin Güngör (Turkey, 2014); (6) Vice President Hon. Mr. Chaiwat Prechawit (Thailand, 2014); (7) Vice President Hon. Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2015); (8) Mr. Ali Reza Salamat (Iran, 2015) and (9) Er. Ashwin B. Pandya, Secretary General, ICID

Permanent Observers: (i) World Bank Representative; (ii) FAO Representative; and (iii) IWMI Representative.

Ex-Officio Members: All Strategy Theme Leaders and Chairpersons of all workbodies under PCTA.

PCTA Agenda Item 1: Water Scarcity Challenges in the Agriculture Sector: Lecture by Mr. Ruhiza Boroto (FAO)

1. Agriculture, a major consumer of water for food production, will be significantly impacted by water scarcity which is one of the leading challenges of the twenty-first century and is expected to intensify as a result of climate change. Recognizing the intricate links between climate change, water scarcity, sustainable agriculture and food security – and the importance of addressing these holistically, FAO in partnership with other partners, including ICID, launched the initiative Global Framework on Water Scarcity in Agriculture (WASAG). The global framework has the potential to benefit farmers and rural communities to adapt and be more resilient to increasing water scarcity. The framework will assist countries in identifying and streamlining policies, governance and practices with a view to adapt to less water availability, sustainably improve agricultural productivity and food security.

2. In order to share knowledge and vast experience of FAO on the topic, Mr. Ruhiza Boroto, Senior Water Resources Officer at the FAO headquarters and also the Secretary for WASAG has been requested to deliver a talk on the "Water Scarcity Challenges in the Agriculture Sector" for the benefit of PCTA members, followed by interactions.

PCTA Agenda Item 2: ATR on the minutes of the 37th Meeting of PCTA

3. An Action Taken Report (ATR) on the minutes of the 37th PCTA meeting at Mexico City is given at **Annex**.

PCTA Agenda Item 3: Membership of the PCTA and Workbodies

4. As per ICID By-laws 3.8.1(c), Prof. Graziano Ghinassi (Italy) and Prof. Masayoshi Satoh (Japan) shall be completing their tenure of six years as member of PCTA at Saskatoon meeting (2018). The Italian National Committee has nominated Prof. Michele Perniola in place of Prof. Ghinassi, as his term of office is coming to an end at Saskatoon. The Japanese National Committee has nominated Prof. Dr. Tsugihiko Watanabe as their nominee in PCTA in place of Dr. Satoh. The US National Committee has nominated Dr. Brian T. Wahlin, Vice President, ICID as a member of PCTA. The respective National Committees have communicated the consents of their nominees to serve PCTA as its members. The Committee may consider their membership and recommend appropriately.

5. PCTA will review its membership and also consider the proposals from the Chairpersons of various workbodies associated with it for making recommendations to IEC on the changes in the membership of various working groups in accordance with the relevant ICID By-laws governing the membership of ICID workbodies/permanent committees.

PCTA Agenda Item 4: Road Map to ICID Vision 2030: Review of the Action Plan 2017-2021

6. The activities identified in the Action Plan 2017-21, appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) are committed to be achieved over a period of five years. These activities were identified by the various RWGs, WGs, NCs and Central Office under various strategies of ICID's six organizational goals so as to put the Vision to Action over a five-year period, which is reviewed and monitored annually during the Council meetings.

7. The actions in implementing the elements of 'way forward', suggested in the Chapter 5 of the Road Map such as (i) Broad-basing NCs, (ii) Enhancing regional cooperation, (iii) Facilitating technical support to NCs, (iv) Training and capacity development, (v) Serve as knowledge hub in AWM, (vi) Knowledge exchange and collation by WGs, (vii) Extensive use of ICT, (viii) Online services, (ix) Well-organized ICID events, (x) Efficient functioning of WGs, (xi) Encouraging participation of YPs, (xii) Awarding excellence and (xiii) Strengthening international collaboration and partnerships have been initiated under different action points, however, the need to enhance the visibility of NCs remains a challenge.

8. The Working Groups play a pivotal role in converting the vision into action, by focussing their activities towards measurable outputs which could form part of the products that could be disseminated to the NCs which might be useful to the NCs in achieving the goals set as part of their national mandates. The Action Plan 2017-21 will be monitored through the existing mechanisms under PCTA, under which the WGs have been requested to monitor the progress of activities and report it to their respective Permanent Committees. The Strategy Theme leaders will also take stock of the progress of the activities to be undertaken by the WGs under four strategy themes of PCTA and present it in their synthesis reports and later to the Council meeting.

9. VP Waseem Nazir at Mexico City meeting of PCTA (2017), suggested that efforts must be made to ensure that ICID is an efficient, effective and sustainable organization, in order to achieve its vision and mission and for that, ICID should address policy issues, challenge itself and promote out-of-the-box thinking such as curtailing the presentation of papers within one day, addressing one question per Congress and organizing joint meetings of the WGs under each of the four strategy themes.

10. Following the decision of 68th IEC meeting vide its Resolution IEC-2/68, SC-E-THEMES has been mandated to (i) work out the structure of the meetings, related to IEC, particularly the WGs at the ICID annual meetings to make them more effective and (ii) to draw guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc. SC-E-THEMES has so far held two virtual meetings on the mandated activities and the Chair of the Sub-Committee, will present the report of the Sub-Committee on these mandated activities to PCTA.

11. PCTA may review the Action Plan 2017-21 based on the progress achieved by WGs reporting to the Committee and suggest appropriate ways and means to achieve them.

PCTA Agenda Item 5: International Research Program for Irrigation and Drainage (IRPID) Scheme

12. The Central Office has requested the National Committees to establish Regional Nodes within the framework of the Revised IRPID Scheme (http://www.icid.org/irpid_scheme.pdf) adopted at the 67th IEC meeting (2016) vide Resolution IEC-3/67 and notified vide Notification No.16 of 2016 Dt. 27/04/2016.

13. The Chair of the Advisory Committee for IPRID (AC-IRPID), VPH Dr. Ding Kunlun, who is also the Chair of PCTA, will present the report of AC-IRPID at PCTA for its consideration.

PCTA Agenda Item 6: Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)

14. The Chairpersons of the WGs, TFs and Co-Theme Leaders of Strategy Themes will brief the Committee on the activities of their respective workbodies and present their recommendations for review and consideration by Committee. In the absence of the Chair, the member chairing the WG meeting may present the report.

PCTA Agenda Item 6.1: Working Group on Water for Bio-Fuel and Food (WG-BIO-FUEL)

15. Dr. Fuqiang Tian, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 6.2: Working Group on Climate Change and Agricultural Water Management (WG-CLIMATE)

16. Dr. Tsugihiko Watanabe, Chair will present the report of the meeting of the WG-CLIMATE.

PCTA Agenda Item 6.3: Working Group on Environment (WG-ENV)

17. VP Dr. (Ms.) Charlotte de Fraiture, Chair of the WG will present the report of the meeting of the WG-ENV.

PCTA Agenda Item 6.4: Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD)

18. VPH Franklin E. Dimick, Chair of the WG will present the report of the meeting of the WG-MWSCD.

PCTA Agenda Item 6.5: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

19. Dr. Ruey-Chy Kao, Chair of the WG will present the report of the first meeting of the WG-SDTA.

PCTA Agenda Item 6.6: Synthesis Report by Co-Theme Leaders of ST Basin

20. VP Dr. Charlotte de Fraiture (The Netherlands) and VP Er. Naoki Hayashida (Japan), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2017-2021.

PCTA Agenda Item 7: Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)

PCTA Agenda Item 7.1: Working Group on Capacity Development, Training and Education (WG-CDTE)

21. VP Prof. Dr. Abdelhafid Debbarh, Chair of the WG will present the report of the meeting of the WG-CDTE.

PCTA Agenda Item 7.2: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)

22. Dr. Kamran Emami, Chair of the WG will present the report of the first meeting of WG. The Chair will also present the revised WHIS Scheme to the Committee for its consideration.

PCTA Agenda Item 7.3: ICID Journal Editorial Board (EB-JOUR)

23. PH Prof. Dr. Bart Schultz, Chair of the EB will present the report of the meeting of the Editorial Board.

PCTA Agenda Item 7.4: Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD)

24. The Chair of the TF will present the report of the meeting of the TF-MTD.

PCTA Agenda Item 7.5: Task Force to Guide ICID Inputs to World Water Forum 8 (TF-WWF8)

25. PH Dr. Chandra Madramootoo, Chair of the TF will present the report of the meeting of the TF-WWF8.

PCTA Agenda Item 7.6: Synthesis report of Co-Theme Leaders of ST Knowledge

26. VP Dr. Abdelhafid Debbarh (Morocco) and VP Waseem Nazir (Pakistan), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2017-2021.

PCTA Agenda Item 8: Review reports of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)

PCTA Agenda Item 8.1: Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM)

27. Dr. A.K. Randev, Chair of the WG will present the report of the meeting of the WG-SON-FARM.

PCTA Agenda Item 8.2: Working Group on Water and Crops (WG-WATER & CROP)

28. VPH Dr. Ragab Ragab, Chair of the WG will present the report of the meeting of the WG-CROP.

PCTA Agenda Item 8.3: Synthesis report of Co-Theme Leaders of ST On-Farm

29. VP Madhav Belbase (Nepal) and Dr. K. Yella Reddy (India), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2017-2021.

PCTA Agenda Item 9: Review of reports of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)

PCTA Agenda Item 9.1: Working Group on Irrigation, Development and Management (WG-IDM)

30. Ms. Mary Jean M. Gabriel, Chair of the WG will present the report of the meeting of the WG-IDM.

PCTA Agenda Item 9.2: Working Group on Institutional Aspects of Irrigation / Drainage System (WG-IOA)

31. VPH Dr. Hafied A. Gany, Chair of the WG will present the report of the meeting of the WG-IOA.

PCTA Agenda Item 9.3: Working Group on Modernization & Revitalization of Irrigation Schemes (WG- M&R)

32. VP Ian Makin, Chair of the WG will present the report of the meeting of the WG-M&R.

PCTA Agenda Item 9.4: Working Group on Sustainable Drainage Management (WG-SDRG)

33. Mr. Bernard Vincent, Chair of the WG will present the report of the meeting of the WG-SDRG.

PCTA Agenda Item 9.5: Working Group on Water Saving in Irrigated Areas (WG-WATS)

34. Mr. Mehrzad Ehsani, Chair of the WG will present the report of the meeting of the WG-WATS.

PCTA Agenda Item 9.6: Synthesis Report by Co-Theme Leaders on ST-Schemes

35. VP Ian William Makin (UK), VP Irene Bondarik (Russia) and VP Dr. Brian T. Wahlin (USA), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2017-2021.

PCTA Agenda Item 10: Newly Proposed Workbodies

36. A mechanism has been put in place in order to streamline the process of establishment of a new workbody on a specific mandate or extension of an existing workbody on completion of its tenure as part of the improvement in the functioning of ICID workbodies as approved by 63rd IEC meeting held in Adelaide in June 2012 (*Annex R2.2 of Resolution IEC-2/63*). Under this mechanism, a Scoping Document needs to be submitted by a workbody proposing to be established or seeking extension, giving its objectives, state of knowledge on the topic, work plan etc. which in turn helps in ascertaining the interest of the NCs and assists PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action. For establishing any WG, which requires participation of experts from NCs, should have agreement for participation from at least 10 NCs when the Scoping Document is circulated, before the WG is being established, as has been endorsed by the Council at its 68th meeting in Mexico City on 14 October 2017.

37. The term of Task Force on Value Engineering (TF-VE) came to an end in 2016. During the Chiang Mai meeting in 2016 and Mexico meeting in 2017, the Committee considered the recommendation of TF-VE to establish a new WG. The WG members, acting as Core Group, developed a scoping document with a new mandate for the establishment of a new 'WG on Value Engineering (WG-VE). Dr. Kamran Emami, Chair of the Core Group, will present the Scoping Document with the mandate and interest of at least 10 NCs, for Committee's consideration and recommendation.

38. At Mexico City meetings (2017) of ICID, Dr. Anna Tedeschi (Italy) has been nominated as Chair of the WG on Poor Quality for Water for Irrigation (WG-PQW). The WG presented the Scoping Document with a new mandate and renamed WG as 'WG on Non-Conventional Water Resources for Irrigation (WG-NCWR)' at the PCTA meeting in Mexico City, which was approved in principle by PCTA for circulation among the NCs for ascertaining their interest in the proposed new WG. Dr. Anna Tedeschi, Chair of the Core Group, will present the

Scoping Document with the mandate and interest of at least 10 NCs, for Committee's consideration and recommendation.

39. At Mexico meeting of PCTA (2017), the Committee recommended that a new WG on Adaptive Flood Management (WG-AFM) can be approved subject to interest of at least 10 NCs to participate in the activities of the new WG. Dr. Kamran Emami, Chair of the Core Group, will present the Scoping Document with the mandate and interest of NCs, for Committee's consideration and recommendation.

PCTA Agenda Item 11: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

40. PH Dr. Gao Zhanyi, Chair of the Sub-Committee will present the report of the meeting of the SC-E-THEMES.

PCTA Agenda Item 12: Any other business

41. The Management Board (MB) at its second virtual meeting (2/18) held on 05 July 2018, approved the setting up of Task Team on Rain Water Harvesting (TT-RWH) based on the proposal submitted by the Australian National Committee of ICID (IACID), with the following mandate and composition, considering the fact that there is at present no workbody in ICID which deals with RWH, which has been part of ICID Vision 2030.

Mandate:

- (a) Promote rainwater harvesting as a natural, local, efficient source of water in accordance with the Key Principles of Rainwater Harvesting.
- (b) Provide research and advice from a range of disciplines to inform rainwater harvesting, irrigation and agricultural practices including water management, land use planning, policy environments, stormwater management and manufacturing.
- (c) Provide Rainwater Harvesting Codes of Practice suitable for urban and agricultural use.

Composition:

i.	Mr. Geoff Harvey (Australia)	-	Chairman
ii.	Mr. Michael Smit (Australia)	-	Member
iii.	Ms. Kathleen Heuvel – Young Professional (Australia)	-	Member
iv.	Dr. A.K. Randev, Chairman, Working Group on Sustainable On-farm Irrigation System Development (India)	-	Member
v.	VPH Dr. R. Ragab, Chairman, Working Group on Water and Crops (UK)	-	Member
vi.	Ms. Mary Jean Gabriel, Chair, Working Group on Irrigation Development and Management (South Africa)	-	Member
vii.	Mr. Warren Helgason (Canada)	-	Member
viii.	Mr. Bashu Dev Lohanee (Nepal)	-	Member
ix.	Er. Ashwin B Pandya, Secretary General, ICID	-	Member

42. Mr. Bryan Ward, Chief Executive Officer, Irrigation Australia Limited, who prepared the concept note will present the report of the meeting of the TT-RWH.



**ACTION TAKEN REPORT ON THE 37th MEETING OF PCTA
13 October 2017, Mexico City, Mexico**

Item	Recommendation	Decision of 68 th IEC	Action Taken
5. Road Map to ICID Vision 2030: Role of Working Groups			
	<p>Recommended that SC-E-THEMES may be tasked with the following additional mandates concerning the structure of ICID annual events:</p> <p>(a) To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective,</p> <p>(b) To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc.</p>	Accepted vide Resolution IEC-2/68.	Two virtual meetings of the Sub-Committee have been organized to consider the additional tasks mandated to SC-E-THEMES on 30 January 2018 and 10 April 2018 respectively.
7. Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)			
	Recommended that a new WG on Sustainable Development of Tidal Areas with revised mandate may be provisionally approved subject to at least 10 NCs supporting its activities by way of sponsoring its experts to participate in its activities.	Accepted vide Resolution IEC-2/68.	Notified the establishment of WG on SDTA vide Notification No.1 of 2018 dated 03 January 2018.
8. Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)			
	Recommended that the re-establishment of WG-HIST be conditionally approved pending receiving willingness from at least 10 NCs to participate.	Accepted vide Resolution IEC-2/68.	Notified the establishment of WG on HIST vide Notification No.2 of 2018 dated 03 January 2018.
	Recommended that the new contract for the publication of I&D Journal with M/s. Wiley be renewed for 7 years as it includes a 1% annual increase in the cost of the journal against 3% annual increase, if the agreement duration is limited to 5 years, with all other conditional remaining similar.	Endorsed the recommendation by acceptance of PCTA report.	The new contract has been signed with M/s. Wiley. The new contract will come into force w.e.f. 01 January 2019.
	Recommended that the Committee on Public Relations and Publications (C-PR&P) be closed with immediate effect since ICID no longer sells many publications and the web page is now quite successful.	Accepted vide Resolution IEC-2/68.	Notified the closure of C-PR&P vide Notification No.3 of 2018 dated 05 January 2018.
9. Review reports of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)			
	Recommended that the Scoping Document for the new WG with the name "Use of Non-Conventional Water Resources for Irrigation" be sent to the NCs seeking interest in joining the new WG.	Endorsed the recommendation by acceptance of PCTA report.	The Scoping Document has been circulated to ascertain the interest of NCs in the proposed new WG.

Item	Recommendation	Decision of 68 th IEC	Action Taken
11. Newly proposed Workbodies			
	Recommended that a new Working Group on Adaptive Flood Management (WG-AFM) be established, subject to interest from at least 10 NCs.	Endorsed the recommendation by acceptance of PCTA report.	SD circulated among NCs in January 2018 to ascertain their interest in the new WG.
14. Technical Support Program in ICID			
	Recommended that the Technical Support Program (TSP) Scheme as presented be approved by the Council.	Accepted vide Resolution IEC-2/68.	The approved TSP Scheme has been circulated among the NCs on 10 January 2018.



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON WATER FOR BIO-FUEL AND FOOD (WG-BIO-FUEL)**

15 August 2018: 13:30:15:00 hours (Session-I)

15 August 2018: 15:30:17:00 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Completion of the Mandate: 2022

Mandate: To collect, analyze, and dissemination information on new developments and to formulate recommendations with respect to:

- (a) the assessment, monitoring and predictions of impacts of biofuel production and usage policies on water-food-energy nexus and especially agriculture water management,
- (b) the national policies for biofuel and its consideration for water-food-energy nexus and especially agricultural water management in different countries,
- (c) the strategies which agriculture and irrigation authorities can adopt to support biofuel promotion policies of their government,
- (d) the international dialogue on biofuel and agricultural water management between regions and countries.

Website: http://www.icid.org/wg_bio_fuel.html

WG-BIO-FUEL Agenda Item 1: Action Taken Report of the WG¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017.
3. No new nominations have been received from the NCs during the year. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-BIO-FUEL Agenda Item 2: Road Map to ICID Vision 2030 – Status of Activities on Bio-Fuel

4. At Mexico meeting, the WG reviewed the Action Plan 2030 for Working Group on Water for Bio-fuel and Food (WG-BIO-FUEL) keeping in view the revised mandate and availability of resources for achieving various activities (*refer Annex 2*). The Group agreed to update the technical report of the WG titled "Bio-Energy and Water" (http://www.icid.org/report_bioenergy.pdf) as a position paper on Bio-Fuel with contribution from the member countries like Brazil, China, Europe, India and USA in terms of their country report on bio-energy production. In this regard, ICID CO has followed-up with the members/NCs from Brazil, China, Europe, India and USA and requested them to provide a report on bio-fuel status in their country to WG Chair so as to develop a position paper on Bio fuel by the WG. Responses from them are still awaited. Chairman may apprise the members about the position paper of the WG during the meeting.
5. At the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them

¹ This will also include details of membership of WG as **Annex**

to take actions to achieve milestones decided by the WG. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting for any update in the Annex 2 as per the latest developments.

6. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting and WG members will deliberate on evolving monitoring mechanism of achieving milestones in the action plan.

WG-BIO-FUEL Agenda Item 3: Joint-workshop with WG-CLIMATE in 2019 at Bali, Indonesia

7. During the Mexico event, the WG proposed to organize a joint-workshop with WG-CLIMATE with focus on Water-Food-Energy Nexus tentatively scheduled to be held during 3rd World Irrigation Forum (WIF3) in 2019 at Bali, Indonesia. In February 2018, ICID CO requested WG Chair Dr. Fuqiang Tian to send updated status in this regard. Chair may like to provide further updates on the organization of the workshop at the meeting.

WG-BIO-FUEL Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

8. During the Mexico Meeting, the group could not discuss this matter due to absence of Mr. Mojtaba Pournoghadam (Iran), nodal person nominated to update MTD terms related to the mandate of the WG, and Mr. Mortaza Yazdkhasti (Iran). In this connection, ICID CO requested Mr. Ehsani of Iran NC to get in touch with Mr. Mojtaba Pournoghadam and Mr. Mortaza Yazdkhasti and request them to get in touch with the WG Chair and provide latest updates on updating Multilingual Technical Dictionary (MTD) terms related to the mandate of WG-BIO-FUEL. Response from Mr. Ehsani is still awaited. WG Chair/Mr. Ehsani will provide further updates on MTD update during the meeting.

WG-BIO-FUEL Agenda Item 5: Publications of the WG: Internal workshop of the WG at Saskatoon, Canada in August 2018

9. During the Mexico meeting, the WG proposed to organise an internal workshop based on the publications of the group during the 69th IEC Meeting & International Conference in August 2018 at Saskatoon, Canada WG Chair will provide the further details during the meeting.

WG-BIO-FUEL Agenda Item 6: Dissemination of Activities of WG

WG-BIO-FUE Agenda Item 6.1: Website of the Group

10. During Mexico meeting, the group noted that the website of the WG http://www.icid.org/wg_bio_fuel.html was updated with new membership list, agenda, minutes, paper presentations, publications etc. Accordingly, the ICID CO has followed-up with the members and requested to provide papers, articles and documents related to the mandate of the group. In response, VPH Dr. Backeberg shared article related to 'Water and Bio-Fuel' and report on 'Water Use of Bio-fuel crops in South Africa' which have been uploaded on the website of the WG for wider dissemination. ICID CO has also published an article based on these reports in the ICID News (http://www.icid.org/icidnews_18_1.pdf#page=5) and uploaded it on the WG website. WG members will deliberate on evolving mechanism for sharing of information regularly.

WG-BIO-FUE Agenda Item 6.2: Webinar / Web-based Seminar

11. At Mexico, the group Chair noted the importance of organization of the webinars and requested all members to suggest a few topics based on the mandate of the WG on which webinar can be considered. During the meeting, Dr. Sanjay Belsare (India) had agreed to take lead in arranging a webinar from some expert in the field. In February 2018, ICID Central Office requested Dr. Belsare to indicate name of the bio-fuel expert along with concept note on the topic etc. for the webinar. Response from Dr. Belsare is still awaited. Dr. Sanjay Belsare will provide further updates at the meeting. Members may also suggest topics and name of the expert to deliver webinar.

WG-BIO-FUEL Agenda Item 7: Any other business

NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Membership of the group at 2017 meetings

SI No	Members	Member from	Remarks		
			Self	Contributed by mail	
1.	Dr. Fuqiang Tian (China), Chairman	2016	•		
2.	Mr. Sanjay Belsare (India), Vice-Chairman	2016	•		
3.	VPH Laurie C. Tollefson (Canada)	2016			
4.	Mr. Mortaza Yazdkhasti (Iran)	2016			
5.	Dr. Salih Hamad Hamid Omer (Sudan)	2016			
6.	Mr. Abdul Wahab Siyal (Pakistan)	2017			Provisional Member (2017)
7.	Dr. Jose Reyes Sanchez (Mexico)	2017			Provisional Member (2017)
8.	Secretary General, ICID				
Observers					
9.	Mr. Bassam Hayek (Jordan)	-			Observer (2015)
10.	VPH Dr. G.R. Backeberg	-			Contributed by email in 2018

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-BIO-FUEL

Goals	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B1 : Supporting Development of Appropriate Policies	1.8 Position paper or updated technique paper on bio-energy and AWM	Position paper			Release at IEC		
	1.12 Review of policies and publications related to Bio-Energy	Condensed overview of national policies and relevant publications on the topic	Finalisation and dissemination of technical report				
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C1 : Providing Knowledge-sharing Platform for AWM Professionals	1.6 Organize workshops, seminar, or symposium	Compilation of proceedings	Inputs to Congress		International workshop together with climate change WG		
Strategy C4 : Compile, Collate and Share Knowledge and Experiences	4.24 Technical report on water for bio-energy	Technical Report	Finalisation and dissemination of technical report				
Goal F: Facilitate capacity development							
Strategy F1 : Enhancing Institutional Capacity Development in Member Countries	1.6 Training Workshop on Bio- Energy	Training workshop			Training workshop		

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



APPENDIX XII [PCTA Item 6.2]

**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Extended the completion of the Mandate: 2021

Mandate: (a) To share the information about prediction of the global and regional climate change and climate variability; (b) To explore and analyse the implications of climate change and climate variability for agricultural water management including irrigation, drainage, and flood control; (c) To promote archiving useful information and case studies on climate change for practical use in improved impact assessment and adaptation development; (d) To enhance discussion on climate change and water management at national and regional scales among the stakeholders including academician, practitioners, decision makers, media as well as farmers and water users in a region; and (e) To join the international dialogue on Climate change and water management.

Website: <http://wg-climate.icidonline.org/>

WG-CLIMATE Agenda Item 1: Action taken report by Chair¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.

2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. The virtual meeting of the WG has been planned in July 2018 for preliminary discussion on the agenda of the WG meeting at Saskatoon, Canada, in August 2018. The chair will report the discussion and results of the virtual meeting.

3. Chinese Taipei National Committee (CTCID) vide their letter on June 7, 2018 has nominated Dr. Jih-Shun Liu for the membership of the group. According to the decision of the Managing Board, the admission of the new member was dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails. Mr. Atin Kumar Tyagi – Direct Member, JISL (India), and Mr. Hatem Hameed Hussein (Iraq) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees/ Direct Member as well as other NCs. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting. The new members are requested to make a short presentation about their activity plan, R&D in the member country and on other relevant topics.

SUPP: Mr. Atin Kumar Tyagi vide his email of 6 July has assured the Chair Dr. Watanabe that he would contribute to the activities of the WG. Chair has kindly agreed to extend his membership for a year.

Ms. Palo Kgasago, Secretary, South African National Committee (SANCID) vide email of 26 July has nominated Prof. Sue Walker for the membership of the WG.

WG-CLIMATE Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on climate change and agricultural water management

4. At Mexico meeting, the group keeping in view the revised scope and mandate and availability of resources for achieving various activities, modified the Road Map and assigned certain tasks to its members (refer **Annex 2**). The group decided to prepare a table of contents for finalising “Guideline for Water Management Practices under

¹ This will also include details of membership of WG as **Annex**

Changing Climate” (activity B6.1), and the position papers on “Smart Water Management for Mitigating Climate Change” (activity B6.2) and on “Adaptation to Climate Change” (activity B6.3). It was also decided that the responsibilities of the WG members would be assigned through the discussions on the WebEx meeting of the WG. In January 2018, ICID Central Office has followed-up with the Chair for organization of a webinar however, due to time constraint and availability of members, the online meeting could not be organized. Chair will provide further updates at the meeting and WG will deliberate on various activities under roadmap.

5. The 68th International Executive Council (IEC) held in Mexico in October 2017 encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees. Accordingly, the Central Office has requested the Chairs of the Workbodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Workbody in achieving the Action Plan in their synthesis report. WG Chair will provide progress in achieving milestones to PCTA.

WG-CLIMATE Agenda Item 3: Exchange of information, knowledge & networking

WG-CLIMATE Agenda Item 3.1: Website of the WG

6. During Mexico meeting, the group noted that the website of the WG <http://wg-climate.icidonline.org/> was updated with the CVs of the members. WG Chair encouraged all members to submit CV and additional material for uploading on the WG website for wider dissemination. Accordingly, the ICID Central Office has followed-up with the members and requested to share CV and materials/ reports/ documents related to the scope of the WG for uploading on the website. The Secretary Dr. Fuqiang Tian, in charge of managing the website of the WG, will report the progress of updating it including the CVs of the members and propose the exact measures for further updates. The WG will deliberate on mechanism for enriching contents on WG website.

WG-CLIMATE Agenda Item 3.2: Webinar/ Web based seminar

7. At Mexico meeting, the group recognised the importance of the Webinar seeing the experiences of the webinars already implemented and accepted that the WG need to propose and support the webinar on climate change related topic, especially for younger professionals. During the meeting, the group proposed a Webinar by Dr. Jaepil Cho of APEC Climate Center, Korea. Accordingly, Dr. Jaepil agreed to deliver a webinar with the title “Seamless Climate Service and Downscaling for Climate Change Adaptation” and also proposed some experts as Panellist for discussion. ICID CO will organise webinar in consultation with Dr. Jaepil Cho. WG will discuss matter further and suggest topics and name(s) of experts to deliver webinars.

WG-CLIMATE Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

8. At Mexico, on behalf of the team leader Dr. Waleed Hassan Abou El Hassan (Egypt), the Chair briefed the progress of updating of MTD and informed that the updation of 129 terms under 10 categories would be shared with the members for review and comments.

9. Accordingly, Dr. Waleed Hassan Abou El Hassan (Egypt) circulated the updated Work Plan for updation of MTD on Climate (version 3) to all members and requested them to edit/ update the terms of MTD related to the scope of the group. The following is the proposed time frame, steps and target dates for updating the MTD:

- Step 1:** Feedback from the WG members on the plan and the categories for terminology: May 1, 2018
- Step 2:** Propose of the Updated Work Plan including re-organized categories for terminology: May 15, 2018
- Step 3:** Propose by the WG members on selection of responsible categories: May 31, 2018
- Step 4:** Update of the Work Plan with assignment of responsible categories to the WG members: June 15, 2018)
- Step 5:** Submission of draft for terminologies in the assigned categories: July 25, 2018
- Step 6:** Combined draft chapter on climate change: August 5, 2018
- Step 7:** The first draft of the MTD chapter on climate change: August 10, 2018

10. According to the work plan, it is proposed that each member of WG-CLIMATE will be assigned two categories and terms of each categories would be drafted by two members. The team leader Dr. Hassan/WG Chair will provide further progress on updating MTD at the meeting.

WG-CLIMATE Agenda Item 5: Workshop on Agricultural Water Management under the Changing Climate, August 2018, Canada

11. During the Mexico event, the WG proposed to organize a workshop during the 69th IEC in Canada in 2018, in cooperation with other work bodies like the WG-ENV. The group also proposed to organize a workshop or symposium in the next World Water Forum or the ICID Congress and also requested the Chair to explore the possibility of organizing a joint workshop or session during PAWEES conference to be held in Nara, Japan on 20-22 November 2018. Consequently, one joint session of ICID and PAWEES is to be organized on 21 November 2018.

12. Due to time constraint and no response from other WGs, no joint workshop would be organised. However, the Working Group will be organizing a Workshop on “Agricultural Water Management under the Changing Climate” on 14 August 2018 in Canada, as the second session of the WG meeting. Members are encouraged to contribute paper/ presentation to the workshop. Chair may provide a brief update on the organization of the workshop at the meeting.

SUPP.: Prof. Sue Walker will make a presentation during the Workshop and also exchange some new work in RSA including the newly launched Mobile App “AgriCloud” which helps the southern African farmers to plant maize at the correct time.

WG-CLIMATE Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Annex 1 [Appendix XII, Item 1]
Members and their attendance at 2016 and 2017 meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Tsugihiko Watanabe, Chairman (Japan)	2015	•	•	•	•	
2.	Dr. Ray Shyan Wu, Vice Chairman (Chinese Taipei)	2015	•	•	•	•	
3.	Dr. Tian Fuqiang, Secretary, (China)	2015	•	•	# ²	•	
4.	Prof. Dr. Choi, Jin-Yong (Korea)	2015	•		•	•	
5.	Dr. Nozar Ghahreman (Iran)	2015	•	•	•	•	
6.	Dr. Waleed Hassan M. Abou El Hassan (Egypt)	2015		•		•	
7.	Mr. Michael Davidson (USA)	2015	•	•	•	•	
8.	Dr. Guy Jobbins (UK)	2015		•	•	•	
9.	Mr. Mika Turunen (Finland)	2015	•	•	•		
10.	Eng. (Ms.) Talatha Janaki Meegastenna (Sri Lanka)	2016		•		•	
11.	Mr. Javeed Iqbal Bokhary (Pakistan)	2016		•			
12.	Mr. Sanjay Kumar Singh (India)	2016			#		
13.	Dr. (Ms.) Fransisca Mulyantari (Indonesia)	2016		•		•	
14.	Mr. Atin Kumar Tyagi – Direct Member, JISL (India)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
15.	Mr. Hatem Hameed Hussein (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
16.	Mr. Jafer Kathom Alwan Alamiryi - Young Professional (Iraq)	2016		•		•	
17.	Eng. Nermeen Essam El-Tahan – Young Professional (Egypt)	2017				•	
18.	Ms. Dilek Demirel Yazici (Turkey)	2017				•	
19.	Secretary General, ICID					#	
Observers/ Permanent Observers							
(i)	WMO representative						
(ii)	IWMI Representative						
(iii)	FAO Representative						

B. New nomination received from the Committee

Sl. No.	Name	Country	Remarks
(1)	Dr. Jih-Shun, Liu	Chinese Taipei	Recommended as member, subject to his presence else provisional member
(2)	Prof. Sue Walker	South Africa	Recommended as member, subject to his presence else provisional member

² #Through representation

Annex 2 [Appendix XII, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CLIMATE

Goal/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
B2. Strategy: Promoting Risk Management Approaches							
B3. Strategy: Integrated irrigation and drainage management	3.2 Organize introduction of the cases to be applied to other regions	Compilation of Cases	2 Case Studies in humid region (introduction in WG Meeting)	2 Case Studies in arid/semi-arid region (introduction in WG Meeting)	2 Case Studies on unique examples (introduction in WG Meeting)	Extra Case Studies and comparison of the cases (introduction in WG Meeting)	Integration to conclude in general
B6. Strategy: Helping development of climate change adaptation strategy	6.1 Develop Guideline for Water Management Practices under Changing Climate	Guidelines	General policy and table of contents are decided	First draft of the core parts	Release the First Draft Guidelines in WIF3		Release the Final Draft Guidelines
	6.2 Prepare Position Paper on Smart Water Management for Mitigating Climate Change	Position Paper	2nd Workshop on Post Paris 2015	3rd Workshop on Post Paris 2015	Discuss in a Side Event and Release the Draft in WIF3		
	6.3 Develop position paper on adaptation to climate change	Position Paper	Communication with International Organizations	Communication with International Organizations	Release the First Draft Paper in WIF3		Release the Final Draft
Goal D: Enable cross disciplinary and inter-sectoral engagement							
D2. Strategy: Develop technical documents in non-technical language	2.1 Integrated Assessment of Climate Change Impacts	Brief Guidelines with Compilation of Case Studies	2 Case Studies with focus on technical background and uncertainty (introduction in WG Meeting)	2 Case Studies with previous year's focus plus economic and social aspects (introduction in WG Meeting)	2 Case Studies with previous year's focus plus financial and institutional arrangement (introduction in WG Meeting) and Introduction of state-of-the-art methodologies and their outcomes in WIF3	2 Case Studies with previous year's focus plus interest groups (introduction in WG Meeting)	Release the Brochure

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Extended the completion of the Mandate: 2021

Mandate: (a) To provide guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the following environmental aspects of irrigation and drainage systems: (i) physical, (ii) chemical, (iii) ecological, (iv) socio-economic, and (v) cultural; (b) To address concerns to the effects on local, regional and global common goods, such as climate, biodiversity and human health; (c) To work towards the management of a sustainable environment, through adapted practices, adequate policies and institutions, maximizing positive and minimizing adverse effects of irrigation and drainage systems.

Website: http://www.icid.org/wg_env_new.html

WG-ENV Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.

2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. However, no virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting at Mexico in October 2017 accepted the recommendation of the Sub-committee (SC-SSMWG) to investigate the structure, scheduling of meetings and membership of working groups and make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.

3. The South African National Committee (SANCID) has nominated Dr. Michael van der Laan, and the Korean National Committee (KCID) has nominated Prof. (Ms.) Eunmi Hong while Chinese Taipei Committee (CTCID) has nominated Dr. Ming-Kai Hsieh for the membership of the WG. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-ENV Agenda Item 2: Road Map to ICID Vision 2030 – Status of future activities of the group

4. At Mexico meeting, the group reviewed the Action Plan for WG-ENV keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. WG Chair and members will provide updates on actions initiated to achieve milestones as per agreed Action Plan during the meeting.

5. As per the decision of 68th IEC (2017), the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

¹ This will also include details of membership of WG as **Annex**

WG-ENV Agenda Item 3: Publications of the working group

6. During Mexico meeting (2017), the group noted the preparation of the document titled “Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis” by Dr. Sylvain Perret (France). The document has been since uploaded on the website at http://www.icid.org/wg-env_rep_may2018.pdf for wider dissemination. The Chair also proposed to develop an ICID technical paper on “Ecosystem Services from Irrigation Systems” based on best papers received in the WG workshop (see Item 6). Chair may provide updates at the meeting.

WG-ENV Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

7. At Mexico meeting (2017), Prof. Hatcho who volunteered to update the MTD had informed that he had searched the terms to be updated and shared the list of the terms with the members of the group for their comments and or observations.

8. In response, Ms. Seija Virtanen (Finland) has proposed that following terms may be added to the dictionary list - acid sulfate soil (ASS), potential acid sulfate soil (PASS), controlled drainage, sulfidic materials and sulfuric horizon. She also suggested that in the dictionary, the term sub-irrigation has an odd term description: “Insufficient irrigation with regard to the actual requirement either due to insufficient doses of water or due to an excessive irrigation interval”. Prof. Hatcho may provide updates at the meeting.

WG-ENV Agenda Item 5: Dissemination - Sharing documents on website

WG-ENV Agenda Item 5.1: Website of the group

9. The website of the working group <http://wg-env.icidonline.org/> was updated with new membership list, agenda, minutes, events, etc. During the Mexico Meeting, Chair VP Charlotte encouraged members to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. The Chair also informed the establishment of the ‘DROPBOX’ and suggested that the presentations would be uploaded on it as well as on the website. Accordingly, the ICID CO has followed-up with the members and requested to provide papers, articles and documents related to the mandate of the group. WG will discuss and evolve mechanism for sharing information and its updation on the WG web site. Chair may provide updates at the meeting.

WG-ENV Agenda Item 5.2: Webinar/ Web based seminar

10. In order to share vast expertise available with ICID fraternity and with members of the NCs and work bodies, it is proposed to organize, on an average, about 2 webinars per month with the support of WG experts. Accordingly, the ICID CO has followed-up with the members and requested them to suggest topics for organization of webinars, based on the mandate of the WG along with the name of the relevant experts who could be contacted to develop webinars. Chair and members may provide further updates at the meeting.

WG-ENV Agenda Item 6: Workshop organized by the working group, August 2018, Canada

11. During Mexico meeting (2017), the Chair proposed to organize a workshop related to “*Climate smart irrigation and drainage*” or “*Ecosystem Services from Irrigation Systems*”. Number of WGs proposed to organise workshops during 2018 but due to shorter time for Canada meeting and large number of parallel sessions, it was difficult to adjust all the WG workshops. So it was proposed to have fewer combined workshops of few WGs of similar interest in order to enrich technical deliberations and have larger audience participation. The ICID CO has followed-up with the Chair and requested to submit a proposal in the prescribed format for inclusion of the workshop in the programme of 69th IEC. Chair may provide updates at the meeting.

WG-ENV Agenda Item 7: Input to International Conference on “Promoting sustainable paddy farming to achieve the SDGs”, 20-22 November 2018, Nara City, Japan

12. The International Conference on “Promoting sustainable paddy farming to achieve the SDGs” will be held from 20-22 November 2018 at Nara City, Japan. The International Society of Paddy and Water Environment Engineering (PAWEES) will be organizing the technical sessions under the banner “*Smart Management of Land, Water and Environment,*” and will be divided into themes, such as - (i) Water and Soil Management, (ii) Disaster Management and Adaptation, and (iii) Regional Resource Management and Rural Planning. The International Network for Water and Ecosystem in Paddy Fields (INWEPF) will conduct the special workshop on the theme “*Enhancing Resilience to Natural Disasters and Climate Change and Promoting the Modernization of Irrigation Facilities to Realize Sustainable Paddy Farming.*” Prof. Hatcho is one of the members involved in the Working Committee of the Conference and may provide updates at the meeting.

13. In order to make use of the platform, the group proposed that a follow up workshop be organized related to paddy soils in Japan. In this regard, Chair VP Charlotte has consulted Prof. Hatcho on the possibility of organizing such a workshop. In response, Prof. Hatcho has informed that the ICID Session at Nara, Japan is under consideration with inputs from ASRWG, WG-CLIMATE and WG-ENV and will cover the theme of ecosystems service of paddy field/ irrigation and drainage system. The duration of the session could be about two-hours and may expect 6 presentations of 15 minutes each and followed by 30 minutes discussions. He also requested Chair to bring the summary of the workshop organized during Canada meeting for its inclusion in the Nara session. Chair may provide further updates at the meeting.

WG-ENV Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Membership of the group at 2016 and 2017 meetings

Sl. No.	Members	Member from	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. dr. (Ms.) Charlotte de Fraiture, Chair (2016) (Netherlands)	2015	•	•	•	•	
2.	Prof. N. Hatcho, Vice Chair (Japan)	2015	•	•	•	•	
3.	Dr. Choi, Joong-Dae (Korea, Rep. of)	2015	•				
4.	Mr. V.C. Ballard (Australia)	2015		•			
5.	Dr. Aynur Fayrap (Turkey)	2015		•			
6.	Ir. Mohd Azmi Ismail (Malaysia)	2015	•		•		
7.	Dr. Muhammad Basharat Chaudhry (Pakistan)	2015		•			
8.	Dr. Fuqiang Tian (China)	2015	•	•			
9.	Ms. Seija Virtanen (Finland)	2015		•	•	•	
10.	Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh)	2015		•			
11.	Dr. Yury Anatolyevich Mozhaiskii (Russia)	2016	•	•	•		
12.	Eng. (Ms.) P.M. Jayadeera (Sri Lanka)	2016		•			
13.	Mr. Usamah Hashim Witwit (Iraq)	2016		•		•	
14.	Secretary General, ICID				# ²		

B. New nominations received from the National Committees/ Committee

Sl. No.	Name	Country	Remarks
1	Dr. Michael van der Laan	South Africa	Recommended as member, subject to his presence else provisional member
2	Prof. (Ms.) Eunmi Hong	Korea, Rep. of	Recommended as member, subject to her presence else provisional member
3	Dr. Ming-Kai Hsieh	Chinese Taipei	Recommended as member, subject to his presence else provisional member



² # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A6. Strategy: Improving performance of irrigation systems	6.2 Investigating and documenting negative environmental impacts of irrigation systems	Guidelines/Case Studies					
	6.6 Improving communication among country members between annual ICID meetings	Online					

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON MANAGING WATER SCARCITY UNDER
CONFLICT DEMANDS (WG-MWSCD)**

15 August 2018, 13.30-15.00 hours (Session-I), and 15.30-17.00 hours (Session-II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Completion of the Mandate: 2022

Mandate: Collect information, knowledge and, where available, case histories on actions taken to manage water systems to accommodate a change in priority of water use or due to conflicting demands: (a) Information will be collected on three levels of water management; (i) National, (ii) area or basin; and (iii) local; (b) review and analyze information to determine any commonality; (c) prepare and present reports and/or case studies on recent development in the countries that are represented in the WG; (d) organise international workshop on the topic; and (e) prepare an overview paper on the topic for publication.

Website: http://www.icid.org/wg_drought.html

WG-MWSCD Agenda Item 1: Action Take Report by Chair¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. Accordingly, a virtual meeting of the WG was planned in the last week of May 2018 but only four members including WG Chair participated in the doodle poll and confirmed their participation. Since web-ex meeting with limited number of members would not have served any fruitful purpose so meeting had to be cancelled and WG Chair decided to take up matter with the members through e-mail.
3. Dr. Chang-Chi Cheng (Chinese Taipei) has reluctantly withdrawn his membership from the WG due to health reasons. The Chair wishes to express its sincere appreciation for the work that Dr. Cheng did while a member of the WG and wish him well on his future activities.
4. Nigerian National Committee on Irrigation and Drainage (NINCID), ICID-Chinese Taipei Committee (CTCID) and Egyptian National Committee on Irrigation and Drainage (ENCID) have nominated Mr. Amali Abraham Amali (Nigeria), Dr. Jan Ming-Young (Chinese Taipei) and Prof. Dr. Hesham Mostafa Mohammed Ali (Egypt) for the membership of the WG. The existing membership of the WG (as continued from earlier WG-DROUGHT) is given at **Annex 1** (see the electronic version for the latest list). New nominations, if any, for the membership received will be dealt suitably after the meeting.
5. Dr. Takanori Nagano (Japan) has volunteered to be the Secretary of the WG. Chair wishes to have the WG membership confirm that action and thank him for volunteering to take on that responsibility.

WG-MWSCD Agenda Item 2: Road Map to ICID Vision 2030: Status of activities on Managing Water Scarcity under Conflict Demands

6. At Mexico meeting, the WG reviewed the Action Plan for WG-MWSCD keeping in view the revised mandate and availability of resources for achieving various activities (refer **Annex 2**). The Group decided to organize an International Workshop under the sub-theme-1: 'Competing Water Demands' of the regional conference during 69th International Executive Council (IEC) Meeting in August 2018 at Saskatoon, Canada and nominated Mr. Clarke Ballard (Australia) to organize this workshop with the support of Dr. Takanori Nagano (Japan) and Prof. Chang-Chi Cheng (Chinese Taipei). Based on interaction with VPH Laurie Tollefson (Canada) and considering the fact that it

¹ This will also include details of membership of WG as **Annex**

would be better and convenient to join the sub-theme 1 of the conference and not duplicate the efforts by organizing separate workshop on almost similar sub-theme/topic, WG Chair Franklin E. Dimick vide his email dated 08 February 2018 indicated that WG would combine their efforts and support the leaders of Sub-Theme 1.4 (Mechanisms and strategies for managing competing water demands) of the regional conference for successful organization of sessions under sub-theme 1.4. Mr. Clarke Ballard was requested to continue taking lead in this connection. The Chair/Secretary of the WG will provide further updates in the group meeting.

7. At the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting for any update in the Annex 2 as per the latest developments.

8. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting and WG members will deliberate on evolving monitoring mechanism of achieving milestones as per action plan.

WG-MWSCD Agenda Item 3: Technical Report of the WG-DROUGHT: Publications

9. At the WG meeting held in October 2017, it was agreed that the technical report of the erstwhile WG-DROUGHT would be finalised based on the inputs/comments from the members and circulated to the members of the WG for their review and final comments prior to submission to ICID Central Office for editing and publishing. In March 2018, WG Chair Franklin E. Dimick (USA) has submitted the technical report of the WG-DROUGHT to the ICID Central Office after incorporating the comments/views of the members. ICID CO has formatted and edited the technical report of the WG and circulated to the members (June 2018) for reviewing prior to bringing out an e-publication for wider dissemination and uploading on the website of the WG. Chairman may apprise the members about the e-publication of the Technical Report of the WG during the meeting.

WG-MWSCD Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

10. During the Mexico meeting, the group discussed the updation of the MTD and nominated Dr. Takanori Nagano from Japan as a nodal person to undertake the task of reviewing and updating the terms of MTD. In January 2018, ICID CO has requested Dr. Nagano to take a lead in the activity of updating Multilingual Technical Dictionary (MTD). Dr. Nagano and WG Chair may like to update the members with the latest status in the matter.

WG-MWSCD Agenda Item 5: Exchange of Information, Knowledge & Networking

WG-MWSCD Agenda Item 5.1: Website of the WG

11. The website of erstwhile WG-DROUGHT (http://www.icid.org/wg_drought.html) has now been changed into new WG-MWSCD (http://www.icid.org/wg_mwscd.html) and updated with the membership list, agenda, minutes, paper presentations, publications et. Dr. Jaepil Cho, member of the WG has volunteered to act as webmaster for the new web site of the WG. In this connection, the members of the WG were also requested to provide interesting articles/ papers/ presentations/ documents related to the scope of the group for uploading on the ICID website for wider dissemination. Dr. Jaepil Cho will provide further updates on WG website at the meeting.

WG-MWSCD Agenda Item 5.2: Webinar / Web-based Seminar

12. During Mexico meeting, WG discussed about organization of webinar to share vast knowledge available with ICID fraternity among members of the NCs with the support of WG experts. The ICID CO has followed-up with the members and requested to participate in the Webinar/ Web-based seminar and also to suggest topics along with name of experts who can be consulted to deliver webinar. Response is awaited. WG will discuss the matter and provide list of topics along with name of the experts to deliver webinar.

WG-MWSCD Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2017 meeting

Sl. No.	Members	Member from (Year)	2017		Remarks
			Self	Contributed by mail	
1.	VPH Franklin E. Dimick (USA), Chairman	2017	•		
2.	Mr. Mohammad Sadegh Jafari (Iran), Vice-Chairman	2017			
3.	Mr. V.C. Ballard (USA), Secretary	2017	•		
4.	VPH Ragab Ragab (UK)	2017			
5.	Dr. Graziano Ghinassi (Italy)	2017			
6.	Prof. Chang-Chi Cheng (Chinese Taipei)	2017	•		
7.	Dr. Takanori Nagano (Japan)	2017	•		
8.	Dr. Hakan Aksu (Turkey)	2017	•		Young Professional
9.	Mr. Sudhakar (Direct Member), JISL	2017			
10.	Ms. Jianxin Ju (China)	2016			Provisional Member (2016)
11.	Dr. Jaepil Cho (Korea)	2017			
12.	Mr. Raquib Khan (Pakistan)	2017			Provisional Member
13.	Secretary General, ICID				

B. New Nomination received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Mr. Amali Abraham Amali	Nigeria	Recommended as member, subject to his presence else provisional member
2.	Dr. Jan Ming-Young	Chinese Taipei	Recommended as member, subject to his presence else provisional member
3.	Prof. Dr. Hesham Mostafa Mohammed Ali	Egypt	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-MWSCD

	Activity	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B2 : Promoting Risk Management	Encourage entities to reduce risks of water scarcity by planning for competing demands Look for existing indices related to water scarcity	Increased water reliability; Increased understanding of consequences of water scarcity / Links to articles & papers related to water scarcity				Final review article summarizing country case studies related to addressing water scarcity	
Strategy B4 : Encouraging Development of Drought Management Policies	4.1 Advocating role of agricultural drainage under drought	Advocacy material					
	4.2 Manging with limited water under drought	Technical report/ Guidelines					
	4.3 Develop guidelines on drought risk management strategies	Guidelines		Finalisation of the draft guidelines	Release the finalised guidelines		Updation of guidelines
Strategy B7: Advocate for Maintaining Balance between Development and Environment	7.1 Compile best practices in irrigation and drainage in the world on managing water caused by competing demands	Report	First meeting of WG	Host workshop at ICID Canada	Prepare summary report on ICID Canada workshop	Final review article summarizing country case studies related to addressing water scarcity	



**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

15 August 2018: 09:00-10:30 hours (Session-I)

15 August 2018: 11:00-12:30 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2017

Extended the completion of the Mandate: 2023

WG-SDTA Agenda Item 1: Introduction of new Working Group

1. At the 68th International Council (IEC) meeting held at Mexico City, Mexico on 14 October 2017, Chair Dr. Ruey-Chy Kao (Chinese Taipei) presented the report based on the finalized Scoping Document for the new Working Group on Sustainable Development of Tidal Areas (WG-SDTA). The Council accepted the recommendation of the PCTA to establish a new Working Group on Sustainable Development of Tidal Area (WG-SDTA)¹ under the thematic area “Basin”. ICID vide Notification No. 1 of 2018 dated 03 January 2018 notified setting up of the WG-SDTA with the following new mandate and invited National Committees to nominate suitable experts/professionals for the new WG:

New Mandate of the WG:

- (a) To understand the existing and potential challenges and opportunities of tidal areas for now and the future by figuring out underlying issues;
- (b) To raise awareness of the increasing risk on tidal areas due to global climate change and stimulate interdisciplinary discussions on impacts, mitigation, and adaptation
- (c) To enhance survey, design techniques, and monitoring and management programs for the irrigation and drainage facilities, and apply to collect information about the tidal area environment around the world;
- (d) To identify sustainable development and management options in tidal areas, and find a balance between the conservation and development of tidal areas with acknowledgement of ecosystem services;
- (e) To join the international dialogues and organize international conferences and short courses to promote interdisciplinary and participatory land and water planning and management in tidal areas;
- (f) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

2. Egyptian National Committee on Irrigation and Drainage (ENCID) and Japanese National Committee on Irrigation and Drainage (JNC-ICID) have nominated Eng. Elaraby Mohamed Gomaa Elkashawy & Prof. Dr. Hossam Refaat (Egypt) and Dr. Ikuo Yoshinaga (Japan) for the membership of the WG. The existing membership of the WG (as continued from earlier WG) is given at **Annex 1** (see *the electronic version for the latest list*). Any new nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: Prof. Budi Sasntoso Wignyosukarto (Indonesia), member of the WG, vide e-mail of 12 July 2018 informed that he will not attend the WG meeting at Saskatoon, Canada due to busy schedule for preparing to host an International Conference of APD IAHR in early September 2018.

SUPP: Vide e-mail of 27 July 2018 Dr. Ikuo Yoshinaga (Japan) informed that he will attend the WG meeting in August 2018 at Saskatoon, Canada.

WG-SDTA Agenda Item 1.1: A brief report of Online/WebEx Meeting of the Group, 29 January 2018

3. With the initiative of WG Chair Dr. Ruey-Chy Kao, the group organised its First Virtual / WebEx meeting on 29 January 2018 wherein eight members participated and reviewed the actions taken on the decisions of the WG. The Chair Dr. Kao briefly summarized the various activities of the group since the Mexico meeting in October 2017. The members discussed the Action Plan 2030 in general, International Workshops (2019 & 2020), Short-Course /

¹ IEC Resolution 2/68: Organizational and Technical Matters of ICID [sr. no. 2]

Training Workshop on SDTA titled “Prepare Tidal Prediction & Typhoon Wave Model” in 2019 and 2020 & 2021, Special Issue of ICID to be published in 2021 based on the past internal and international workshops of the WG and identification of person for MTD. The issue of ‘*Ground Water and the Land Subsidence on the Coastal Areas*’ is to be raised during the Canada (2018) meeting for discussion. The issue of organizing a ‘Side Event’ on ‘*Integrated Development of Tidal Areas*’ during WIF3 at Bali, Indonesia was also discussed and is to be firmed up during this meeting.

4. During the WebEx meeting, the Chair shared the experiences from Taiwan (**Goal B**: Be a catalyst for change in policies and practices (1.1 Promoting sophisticated water-saving irrigation development with IOT and water-saving irrigation model techniques of Action Plan 2030) and will make a presentation on the subject during the Canada meeting. Further, Chair proposed to organise a Short Course / Training Workshop on SDTA titled “*Prepare Tidal Prediction & Typhoon Wave Model*” (**Goal E**: Encourage research and support development of tools to extend innovation into field practices and **Goal F**: Facilitate capacity development) in 2019, 2021 & 2022 following the Action Plan 2030. A Special Issue of ICID Journal on SDTA will also be published during the year 2021 under **Goal C**: Facilitate exchange of information, knowledge and technology. Chair may provide further updates at the meeting.

WG-SDTA Agenda Item 2: ICID Action Plan 2030: Activities on Sustainable Development of Tidal Areas

5. At Mexico meeting (2017), the WG finalised the Action Plan 2030 (Road Map to ICID Vision 2030) of the WG-SDTA based on the new mandate by updating the activities on Sustainable Development of Tidal Areas (refer **Annex 2**). In this regard, brief update on actions initiated on these are referred to item 1.1 above for further deliberation during the Canada meeting. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees. Members will discuss mechanism to monitor the progress of identified activities under action plan.

WG-SDTA Agenda Item 3: Publications of the Working Group: A Special Issue of ICID Journal on SDTA

6. The WG has been planning to publish a Special Issue of ICID Journal titled “*Sustainable Development of Tidal Areas: Climate Change and Environmental Impacts*” in 2018 for quite some time. The papers received (**Annex 3**) have been now finalised and editorial process complete and will be published as the Special Issue of ICID Journal on SDTA, shortly. The Chairman likes to thank the Guest Editor Dr. Hsiao-Wen Wang from Chinese Taipei and Dr. Henk P. Ritzema (The Netherlands) and the reviewers for their work, as well as the Japanese, Korean and Chinese Taipei Committees for their support.

7. In a new development, WG Chair indicated in the WebEx of the WG-SDTA meeting held in January 2018 that the group would further like to publish another Special Issue of ICID journal in 2021 based on the proceedings of the internal (2018) and international workshops (2019) that will be held by then. The Chair may apprise the members on the current status of publishing the Special Issues.

WG-SDTA Agenda Item 4: Upcoming WG Events

WG-SDTA Agenda Item 4.1: Side Event on ‘Integrated Development of Tidal Areas’ (2019)

8. During the WebEx meeting of the group held in January 2018, it was proposed that the group would organise a Side Event on ‘*Integrated Development of Tidal Areas*’ during the 3rd World Irrigation Forum (WIF3) at Bali, Indonesia in 2019. In this regard, WG Chair will follow the mandate of the group and collaborate with other working groups to work out the partnerships on common related issues e.g floods and its impacts or environment and impact on it. A 2-page concept note has to be developed and activities planned for a 3 hour Side Event. The Chair may apprise the members on further updates during the meeting.

WG-SDTA Agenda Item 4.2: Internal (2018) / International Workshop (2019), if any

9. This year, the Working Group on Sustainable Development of Tidal Areas (WG-SDTA) is planning to organise an Internal Workshop during 69th IEC meetings on 15 August 2018. The main theme of the workshop is ‘*Challenges and opportunities for the Sustainable Development of Tidal Areas*’ and sub-themes are : (i) Survey, design techniques, and monitoring and management programs for the irrigation and drainage facilities in tidal areas; (ii) Creating awareness among stakeholders about the increasing risks in the tidal areas and stimulating interdisciplinary aspects of impacts, mitigation, and adaption; (iii) Interdisciplinary and participatory land and water planning and management in tidal areas. The announcement of this workshop has been circulated to the members of the WG and their active participation has been requested. The Chairman may apprise the WG members.

10. During the WebEx meeting of the Group, the Chairman proposed to organise an International Workshop during the 3rd World Irrigation Forum (WIF-3) at Bali, Indonesia in 2019. Chair may provide a brief update on the organization of the workshop at the meeting.

WG-SDTA Agenda Item 4.3: Short Course / Training Workshop on SDTA (2019)

11. The Chair Dr. Kao proposed a Short Course / Training Workshop on SDTA to be organised in November or December, 2019 in Taiwan after WIF3 as part of the Action Plan 2030 of the WG under **Goal F: Facility capacity development (Activity 3.7 Short Course/Training Workshop on Sustainable Development of Tidal Areas)**. Further, Chair has developed a new activity "*Prepare Tidal Prediction & Typhoon Wave Model*" which happens to be the topic for the Short Course on SDTA in 2019. Chair may apprise the members during the meeting.

WG-SDTA Agenda Item 4.4: Web-based seminars and e-Discussions (2019)

12. During Mexico meeting (2017), the group discussed and supported the organization of webinar/web-based seminar to promote sharing of vast expertise available with the members of the WG. In this regard, the Chair requested the members from China, Japan, Korea and Chinese Taipei to take lead and come forward to deliver the webinar on the topics emerging from the mandate of the WG. Accordingly, the ICID CO has followed-up with the members and requested them to suggest topics for organization of webinars. Chair will provide further updates at the meeting.

WG-SDTA Agenda Item 5: Ground Water and the Land Subsidence on the Coastal Areas

13. During the WebEx meeting of the WG held in January 2018, the Chair proposed a new item i.e. '*Ground Water and the Land Subsidence on the Coastal Areas*' which will be discussed during the meeting at Canada. Issues such as the integration of upstream drainage and drainage tail, flood, ground water and land subsidence problems on coastal areas, analyse the potential problems and set up ways for prevention, and information dissemination among members' countries etc. could be discussed during the meeting. The Chair may apprise the members at the meeting.

WG-SDTA Agenda Item 6: Dissemination of activities of WG

14. During Mexico meeting (2017), the group noted that the website of the WG <http://wg-sdta.icidonline.org> was updated with new membership list, agenda, minutes, paper presentations, publications etc. WG Chair requested the members of the WG especially from China, Japan, Korea and Chinese Taipei to share information, knowledge & experiences and provide papers, presentations, articles, reports etc. related to scope of the WG to ICID CO for uploading on the WG website for wider dissemination and knowledge enrichment. To start with, the Chair requested the members to provide at least one page of materials/articles/papers/presentations/reports to THL, NCKU at SDTA-THL@thl.ncku.edu.tw for review. Accordingly, the ICID CO has followed-up with the members and requested to provide the materials (papers, articles and documents) related to the mandate of the group. WG members will deliberate on evolving mechanism for sharing of information on regular basis.

WG-SDTA Agenda Item 7: Updating Multilingual Technical Dictionary (MTD)

15. During the Mexico meeting (2017), the group noted that Prof. Hajime Tanji (Japan) could not provide his services due to his illness. In this regard, WG Chair requested the members to undertake of MTD terms related to scope and mandate of the WG. Accordingly, the ICID Central Office has followed-up with the members to review the terms of MTD related to the mandate of the WG and submit their inputs to the Chair Dr. Kao. The JNC-ICID has since nominated Dr. Ikuo Yoshinaga (Japan) to continue the work of Prof. Hajime Tanji. The Chair will provide further updates at the meeting-

WG-SDTA Agenda Item 8: Cooperation between Institutions from Taiwan and Korea

16. At Mexico meeting (2017), the group noted that Memorandum of Understanding (MoU) has been signed between the two organisations i.e. the Rural Research Institute (RRI) of Korea Rural Community Corporation (KRC), Republic of Korea and Tainan Hydraulic Laboratory (THL), National Cheng Kung University (NCKU) for future cooperation on issues of mutual interest in the area of SDTA. The Chairman has communicated (31 May 2018) that RRI-THL organised a Joint Seminar on 21-22 March 2018 at THL, NCKU which focused on issues of coastal erosion, tidal areas, renewable energy, and water resources disaster prevention. Chair may brief the members on the seminar.

WG-SDTA Agenda Item 9: Any other business

SUPP: Vide email of 6 July 2018 Dr. Ruey-Chy Kao, Chairman of the WG informed that he has received the message from Dr. Jeongryeol Jang (Korea), member of the WG regarding International Conference being hosted by the Rural Research Institute (RRI) on 22nd November 2018 at Ansan City, Korea. Dr. Jeongryeol Jang will provide the latest updates of the Conference at the WG meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2017 meeting

Sl. No.	Members	Member from (Year)	2017		2018	Remarks
			Self	Contributed by mail	Participants in the 1 st Virtual Meeting	
1.	Dr. Ruey-Chy Kao (Chinese Taipei), Chairman	2017	•		•	
2.	Ir. Henk P. Ritzema (Netherlands), Vice-Chair	2017		# ¹	•	
3.	Dr. Hajime Tanji (Japan), Secretary	2017		#		
4.	Dr. (Ms) Hsiao-Weng Wang (Chinese Taipei)	2017		#		Young Professional
5.	Prof. Budi Santoso Wignyosukarto (Indonesia)	2017			•	
6.	Prof. Zhang Zhanyu (China)	2017		#	•	
7.	Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia)	2017	•		•	
8.	Dr. Jeongryeol Jang (Korea)	2017	•		•	Please confirm Dr. Jang's status as a Young Professional
9.	Mr. Anuj Kanwal (India)	2017				
10.	Mr. Paavan Kumar Reddy (India)	2017	•		•	Young Professional
11.	Secretary General, ICID			•		
12.	Dr. Jo Jin Hoon					Permanent Observer
13.	Dr. Daeou Eo					Permanent Observer
14.	Mr. Robiyanto Hendro Susanto (Indonesia)					Permanent Observer
15.	Mr. Harry Denecke (FAO)					Permanent Observer

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Dr. Ikuo Yoshinaga	Japan	Recommended as member, subject to his presence else provisional member
2	Eng. Elaraby Mohamed Gomaa Elkashawy	Egypt	Recommended as member, subject to his presence else provisional member
3	Prof. Dr. Hossam Refaat	Egypt	Recommended as member, subject to his presence else provisional member

¹ Through representation



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-SDTA

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022
Goal B: Be a catalyst for change in policies and practices								
Strategy B1 : Supporting Development of Appropriate Policies	1.1 Promoting Sophisticated water-saving irrigation development with IOT and water-saving irrigation model techniques exchanges	Technical report, workshop proceedings and water industry web site	Preparing: Promoting demonstrative plan	Site tests demonstration: Hardware construction and software tests	Site tests demonstration: Hardware, software and system control integrating process	Site tests plan: Workshop observation	Examination Plan results & improvement	Examination Plan results & improvement
	1.2 Promoting up-to-date water-saving experience exchange	As above	As above	As above	As above	As above	As above	As above
	1.10 Sustainable drainage management experience exchange	Internet of Things Water industry workshop						
Goal C: Facilitate exchange of information, knowledge and technology								
Strategy C4 : Compile, Collate and Share Knowledge and Experiences	4.26 Special Issue of ICID Journal on SDTA	Special issue of IRD	Announcement of special issue, inviting authors etc.	Setup Review Committee for selected papers based on the workshops	Submission of final drafts		Publishing Special Issue of IRD	
Strategy C5 : Dissemination of Data, Information, Tools, Knowledge and Know How	5.8 Develop and maintain the ICID web site as a knowledge hub	On-line						
Goal E: Encourage research and support development of tools to extend innovation into field practices								
Strategy E3 : Develop and Promoting Tools for AWM	3.2 The application for output of development tools from academic institutions			Prepare tidal prediction and typhoon wave model				
Goal F: Facilitate capacity development								
Strategy F3: Technical Training of Young Professionals from Member Countries	3.7 worksh/Training Workshop on Sustainable Development of Tidal Areas	Technical transfer and internet information short course /training workshop	Scope, theme and announcement		Short Course/Training Workshop on SDTA		Short Course / Training Workshop on SDTA	Short Course / Training Workshop on SDTA
	3.8 To launch e-Discussion on Sustainable Development	E-discussion	E-discussion on Sustainable Development of Tidal Areas		e-Discussion on SDTA		e-Discussion on SDTA	

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)

**List of Papers for Special Issue of ICID Journal on
Sustainable Development of Tidal Areas: Climate Change and Environmental Impacts**

Sl. No	Title	Authors
1	Editorial	Ruey-Chy Kao, Hsiao-Wen Wang, Henk P. Ritzema
2	Impacts of Man-Induced Changes in Land Use and Climate Change on the Sustainable Development of Coastal and Deltaic Areas	Bart Schultz
3	Reconstruction of the history of the Byeokgolje Dam constructed in the tidal lowlands in Korea	Park, Sang-Hyun, Kim, Ju-Chang, Choi, Kang-Won, Lee, Kwang-Ya, Um, Myung Chul, An, JUNG SIC
4	Assessment of land subsidence and climate change impacts on inundation hazard in southwestern Taiwan	Hsiao-Wen Wang, Cheng-Wei Lin, Chun-Yao Yang, Chung-Feng Din, Hwung-Hweng Hwung, Shih-Chun Hsiao
5	Assessment of the groundwater salinity used for irrigation and risks of soil degradation in Souss-Massa, Morocco	Kaoutar El Oumlouk, Rachid Moussadek, Ahmed Douaik, Hamza Iaaich, Houria Dakak, Mohamed Taoufiq Chat, Ahmed Ghanimi, Azzedine El Midaoui, Mahacine El Amrani, Abdelmjid Zouahri
6	Coping with climate change in a densely populated delta: a Paradigm shift in flood and water management in the Netherlands	Ritzema, H.P., Van Loon-Steensma, J.M.
7	Analysis of river flow regime changes related to water availability on Kapuas river, Indonesia	Henny Herawati, Suripin Suharyanto, Tia Hetwisar
8	Mini polders, as an alternative of flood management in the lower Bengawan Solo River	H.G. Mawandha, B.S. Wignyosukarto, R. Jayadi
9	Barriers to implement irrigation and drainage policies in An Giang Province, Mekong Delta, Vietnam	Tran, Dung, Weger, Jacob
10	Key factors in handling conflicts in the Isahaya Bay landreclamation project, Japan: a case study focusing on social aspects	Shinsuke Ota
11	Simulation of farmland water table depth and soil salinity under drainage systems in Tidal Areas, Laizhou bay of China	Genxiang Feng, Zhanyu Zhang, Peirong Lu, Ahmad Bakour
12	Impact of Sea Level Rise and Tsunami on Coastal Areas of Northwest Peninsular Malaysia	Ghazali, Nor Hisham, Awang, Nor Aslinda, Mahmud, Mahran, Mokhtar, Arman
13	Water Management to Enhance Ecosystem Services in a Coastal Wetland in Taiwan	Pin-Han Kuo, Hsiao-Wen Wang

**AGENDA FOR THE INFORMAL MEETING OF THE
WORKING GROUP ON ADAPATIVE FLOOD MANAGEMENT (WG-AFM)**

15 August 2018, 09.00-10.30 hours (Session-I)

15 August 2018, 11.00-12.30 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Strategy Theme: Basin

Presented by the Chairman

WG-AFM Agenda Item 1: Introduction of the new Working Group

1. Working Group on Comprehensive Approaches to Flood Management (WG-CAFM) concluded its activities in November 2016 after completion of its mandate, so Chair Dr. Kamran Emami (Iran) presented the Scoping Document for the new Working Group on Adaptive Flood Management (WG-AFM) during the Mexico meeting (2017). PCTA in its meeting recommended that a new WG on Adaptive Flood Management (WG-AFM) can be approved subject to interest of at least 10 NCs to participate in the activities of the new WG and WG Chair will present the scoping document (**Annex 1**) with the revised mandate of the WG and interest of NCs, for PCTA/IEC approval during Canada meeting. The mandate of the new working group as included in the Scoping Document of the WG is as follows:

New mandate of the WG:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups,
- (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management;
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject;
- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to floods and coping with floods including community participation with focus on impact of floods on agriculture water management;
- (e) To prepare a paper on “Adaptive Flood Management” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on “Adaptive Flood Management”.

2. The Scoping Document for the new Working Group on Adaptive Flood Management (WG-AFM) has been circulated to all the National Committees in January 2018 for their comments/observations as well to nominate experts/professionals in the Working Group. In response, nominations of Dr. Ikuo Yoshinaga (Japan), Engr. Syed Mahmood-ul-Hassan (Pakistan), Eng. Hind Massoud (Sudan) and Ms. Sahar Norouzi as young professional from Iran, have been received from the National Committees for the membership of the new WG-AFM. In addition, existing members of the erstwhile Working Group on Comprehensive Approaches to Flood Management (WG-CAFM) were also requested to confirm their interest through their NC for continuation of their membership of new WG-AFM. The membership status of the existing members is as **Annex 2**. Further, the ICID CO has followed-up with the observers viz. Engr. Warren Helgasun (Canada); Ir. Li Yunpeng (China); Prof. Syaiful Mahdi (Indonesia); Ir. Rose Lobato (Mexico); Ir. Michael I. Nwabufo (Nigeria); Ir. Jisun Kim (South Korea); and Eng. Muhammad Ashraf (USA) who attended the Mexico meetings in October 2017 and requested them to become member of the new WG through their respective NCs.

3. The experts/professionals attending this informal meeting will chose a Chair, Vice-Chair and Secretary for the group and refine the scope of the WG, if necessary. The finalized mandate of the WG would be presented by the representative/ elected chair of the group to PCTA in its meeting on 16 August 2018 for approval by the IEC.

WG-AFM Agenda Item 2: Road Map to ICID Vision 2030 – Status of Activities on Adaptive Flood Management Issues

4. During Mexico meeting, the WG finalised the Action Plan 2030 (Road Map to ICID Vision 2030) of the WG-AFM based on the new mandate by updating the activities on flood management issues (refer **Annex 3**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees.

5. Accordingly, in January 2018, the ICID CO has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Members will discuss mechanism to monitor the progress of identified activities under action plan.

WG-AFM Agenda Item 3: Workshop on ‘Flood Management: Recent Great Floods and Lessons Learned’ in August 2018 at Saskatoon, Canada

6. At the Mexico (2017) meeting, the WG proposed to organise a Workshop on ‘Flood and Agriculture’ during the 69th International Executive Council (IEC) meeting and International Conference in August 2018 at Saskatoon, Canada. Keeping in view the interest from large number of WGs to organize workshops during Canada meeting and limited number of slots available to accommodate these workshops, ICID CO has suggested to organize a joint workshop of some WGs including WG-AFM, if possible and WGs were requested to submit Expression of Interest for International Workshop during the 69th IEC Meeting in Canada. In response, Dr. Emami vide his email dated 04 June 2018 indicated to organize an International Workshop and Call for Papers has been circulated to all NCs on 6 June 2018. Chair will provide further updates during WG meeting.

WG-AFM Agenda Item 4: Closure report of WG-CAFAM and Publication of the Working Group on ‘Adaptive Flood Risk Management’

7. During the Mexico meeting, the WG decided to publish a document of the publication titled ‘Adaptive Flood Risk Management’ (covering both structural and non-structural aspects of flood management) based on the workshop papers and country presentations on floods. WG Chair Dr. Emami presented the final document of the publication of the group in the Mexico meeting. WG Chair was requested to share the final document of the publication to the ICID CO so that it can be circulated among the members of the group for their comments/ suggestions, if any. WG Chair will further updates in the WG meeting.

8. WG Chair was also requested to share the ‘Closure Report’ of the erstwhile of the WG-CAFAM for records & uploading on the WG website, which is still awaited. WG Chair will provide further updates.

WG-AFM Agenda Item 5: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

WORKING GROUP ON ADAPTIVE FLOOD MANAGEMENT (WG-AFM)

Updated Scoping Document

1. Introduction

- 1.1 The climate extremes pose significant impacts on human and ecological systems, which are influenced by changes in climate, vulnerability and exposure, resulting in increased fatalities and economic losses especially in developing countries. Increasing exposure of people and economic assets has been the major cause of long-term increases in economic losses from weather- and climate-related disasters. Extreme events have greater impacts on sectors with closer links to climate, such as water, agriculture and food security, forestry, health, and tourism. Disasters due to climate extremes, in terms of loss of life and property, are most acutely experienced at the local level. These localized impacts can then cascade to have national and international consequences. In order to reduce impact due to these climate extremes it is essential to develop strategies for disaster risk management in the context of climate change which may include coping and adaptation mechanism, informed by and customized to specific local circumstances. Adaptations to climate change and disaster risk management provide a range of complementary approaches for managing the risks of climate extremes and disasters. An iterative process of monitoring, research, evaluation, learning, and innovation can reduce disaster risk and promote adaptive management in the context of climate extremes.
- 1.2 While we have been integrating local knowledge with additional scientific and technical knowledge, which can improve disaster risk reduction and climate change adaptation, we, however, still lack sufficient knowledge to better understand what is going on and what can be predicted in climate change with reasonable accuracy. And we also cannot wait till whole understandings of the future climate change and its impacts are known. Then, the challenges due to the climate change should be considered as another driving force to improve the irrigation and drainage system. It is therefore necessary to factor known impacts of climate change in all processes of planning, design, implementation, operation, maintenance and management of the irrigation and drainage activities.
- 1.3 Adaptive management (AM) is a structured, iterative process of optimal decision making in the face of uncertainty, with an aim to reducing uncertainty over time via system monitoring. In this way, decision making simultaneously maximizes one or more resource objectives and, either passively or actively, accrues information needed to improve future management. Adaptive management is a tool which should be used not only to change a system, but also to learn about the system.

Because adaptive management is based on a learning process, it improves long - run management outcomes. The challenge in using the adaptive management approach lies in finding the correct balance between gaining knowledge to improve management in the future and achieving the best short - term outcome based on current knowledge.

Adaptive management can proceed as either passive adaptive management or active adaptive management, depending on how learning takes place. Key features of both passive and active adaptive management are:

- (a) Iterative decision-making (evaluating results and adjusting actions on the basis of what has been learned)
- (b) Feedback between monitoring and decisions (learning)
- (c) Explicit characterization of system uncertainty through multi-model inference
- (d) Bayesian inference
- (e) Embracing risk and uncertainty as a way of building understanding

Adaptive management is particularly applicable for systems in which learning via experimentation is impractical.

1.4 Adaptive Management

Till 1927, the main flood policy of U.S. Army Corps of Engineers was "levees only". After the great flood of 1927, flood management by the reservoirs was also included. The concept of non-structural measures (NSMs) was first used in the context of flood control some 50 years ago, as a means to reduce the ever-increasing damages, without unduly expanding the costly infrastructure. In that sense, NSMs were perceived rather as complementary additions to the essentially structural solutions to flood control, in order to reduce costs and enhance efficiency. This concept has been changed in the last few decades by introduction of new approaches follows:

- (a) Development of the new Swiss Safety concept for dams in 1985.
- (b) Publication of "Manual on non-structural approaches to flood management" by ICID in 1999.
- (c) Publication of ICOLD Bulletin on ICOLD, "Non-structural risk reduction measures; Benefits and costs for Dams in 2001
- (d) UNESCO (IHP-V) Workshop on "Non-structural measures for water management problems" in 2001,
- (e) Publication of U.S. Army Corps of Engineers manual on "Adaptive Management for Water Resources Project Planning" in 2004.
- (f) Publication of the proceeding of Q53 of ICID congress on Harmonic coexistence with floods in Beijing in 2005.

- 1.5 Now in the second decade of the 21st century, it has become obvious, that the approach to flood management is increasingly adaptive and non-structural: structural, engineering solutions appear as indispensable complements to the essentially non-structural, integrated water resources management, of which flood damage reduction is but an integral part.

An important aspect of evolving concepts of engineering practice is the way uncertainty is recognized and addressed. It is today widely appreciated that many consequences of civil engineering investments cannot be precisely forecasted. Whether the objective is to take advantage of new opportunities or to insure against bad outcomes, the goal is to create the capacity to respond appropriately as new situations which may include unforeseen surprises develop. Flexibility over the life of the project is essential to effective development and functioning of civil engineering systems.

2. Objective and Mandate

2.1 Relevance of the Working Group (WG)

2.1.1 The relevance of the WG can be specified as follows:

- (a) Flood events and resulted financial damages in the world is projected to rise in coming decades and this can be a major risk to sustainable irrigated agriculture and food security. An iterative process of monitoring, research, evaluation, learning, and innovation can reduce disaster risk and promote adaptive management in the context of hydrosystems change and climate extremes.
- (b) The WG is expected to contribute to effective implementation of the Strategy Theme Basins and to other strategy themes;
- (c) The flood engineers are facing great challenges in coming decades. Adaptive flood management can play a critical role in mitigating flood damages in rural areas.

3. State of knowledge on the topic

3.1 Other International Organizations that are working on the subject

3.1.1 There are very few other International Organizations that have programs and activities on this topic. This especially concerns the:

- (a) WMO
- (b) UNESCO-IHE
- (c) ICOLD

3.2 Mandate of the Working Group

3.2.1 Mandate of the Working Group is based on the specific niche that this WG can fill in this area and can be formulated as follows:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups,
- (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management;
- (c) To promote inter—disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject;

- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to floods.
- (e) To prepare a paper on “Adaptive Flood Management” for publication in *Irrigation and Drainage (IRD)*;
- (f) To finalize a book on “Adaptive Flood Management”.

3.3 How is the Working Group expected to collaborate with the other International Organizations?

3.3.1 WG-AFM would promote synergy with all International Organizations active in flood management

4. Work Plan

4.1 Scope

4.1.1 The WG is expected to investigate, analyze, and disseminate information on different aspects of flood management and to formulate recommendations with respect to:

- (a). Adaptation strategies
- (b). Coping with uncertainties associated with flooding
- (c). The lessons learned from flood events in member countries.

4.2 Target audience

4.2.1 The target audience for this working group will be managers of irrigation schemes, researchers, consultants, manufacturers, government officials and flood engineers.

4.3 Outputs

4.3.1 The following outputs can be expected from this WG:

- (a). Proceeding of the seminars and workshops;
- (b). A book on “Adaptive Flood Management”;
- (c). WG website;
- (d). Overview paper on “Adaptive Flood Management” for publication in *Irrigation and Drainage (IRD)*.

4.4 Timelines

4.4.1 A five years tenure is requested for this phase of WG’s activities.



A. Status of the existing membership of the erstwhile WG-CAFM

Sl. No.	Members	Member from	Remarks
1	Dr. Kamran Emami (Iran), Chair (2010)	1999	Attended the WG meetings in 2016 and 2017
2	Dr. Takao Masumoto (Japan), Vice-Chair (2015)	2009	Attended the WG meeting in 2016 and represented by Dr. M. Satoh in 2017
3	Mohd Adnan bin Mohd Nor (Malaysia)	2015	Attended the WG meeting in 2016
4	Mr. Maurice Roos (USA)	2006	Attended the WG meetings in 2016 and 2017.
5	Mr. Olli-Matti Verta (Finland)	2011	Attended the WG meeting in 2017.
6	Mr. Marcel Marchand (Netherlands)	2011	Attended the WG meeting in 2016
7	Dr. Arthon Suttigam (Thailand)	2012	Attended the WG meeting in 2016
8	Ms. Aysen Pervin Gungor (Turkey)	2012	-
9	Dr. Herman Booyesen (South Africa)	2012	-
10	Mr. R.K. Agarwal (Direct member), WAPCOS India Limited	2014	-
11	Dr. Rozalija Cvejic (Slovenia)	2014	-
12	Dr. V.D. Roy (India)	2015	Provisional member
13	Prof. Dr.-Ing.Klaus Rottcher (Germany)	2015	Direct Member
14	FAO representative		Observer
15	UNDRO representative		Observer
16.	WMO representative		Observer
17.	ICBA representative (UAE)		Observer

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Dr. Ikuo Yoshinaga	Japan	Nomination received
2.	Engr. Syed Mahmood-ul-Hassan	Pakistan	Nomination received
3.	Eng. Hind Massoud	Sudan	Nomination received
4.	Ms. Sahar Norouzi as young professional	Iran	Nomination received



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-AFM

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B5 : Encouraging Development of Drought Management Policies	5.1 Develop Guidelines on Flood Risk Management strategies	Guidelines		Release first draft guidelines	Release of the finalized guidelines		Updating of the guidelines
	5.3 Publication of the WG on Adaptive Flood Risk Management	Report	Finalization and publication of report				
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C3 : Promoting Regional Cooperation	3.3 Organise internal/ international workshop on flood management	Proceedings of the workshop	Invite member countries and IOs like WMO, ICOLD, IAHR, APFM etc. (discussion in WG meeting)	Workshop	Workshop	Workshop	
	4.25 Case studies on flood mitigation measures	Technical report		Finalise and publish first set of case studies		Finalise and publish second set of case studies	
SAGoal E: Encourage research and support development of tools to extend innovation into field practices							
Strategy E3 : Developing and Promoting Tools of AWM	3.3 Promote Value Engineering as a tool for enhancing creativity and innovation		Gather case studies of application VE in flood management project	Gather case studies of application VE in flood management project	Prepare a report on the case studies of application VE in flood management project		
Goal F: Facilitate capacity development							
Strategy F3: Technical Training of Young Professionals from member countries	3.10 To launch e-Discussion on Flood Risk Management	Outcome	e-Discussion on Flood Risk Management (discussion in the WG meeting)	To invite member countries/IO s for e- Discussion on Flood Risk Management	Organise a Side Event in WIF3		

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)

**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON CAPACITY DEVELOPMENT, TRAINING AND EDUCATION (WG-CDTE)**

15 August 2018, 09.00-10.30 hours (Session I)
15 August 2018, 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

Mandate: (i) Coordinate and guide the knowledge management activities of the Commission and the capacity development activities by various WGs; (ii) Compile the status of training and educational programmes offered in different regions; (iii) Compile the Educational Programs being offered in irrigation and drainage in different regions; (iv) Identify the training and education requirements, and identify gaps in available training programs, explore the feasibility of developing e-learning program and prepare guidelines for their development to support education and training programmes; (v) Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; (vi) Make available various tools required for sustainable development; (vii) Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and (viii) Facilitate the process of balancing education and training requirements, and provision of training services.

Website: http://www.icid.org/wg_cdte.html

WG-CDTE Agenda Item 1: Action Taken Report by Chair¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group from its last meeting held at Mexico City in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017.
3. Egyptian National Committee on Irrigation and Drainage (ENCID) and Japanese National Committee on Irrigation and Drainage (JNC-ICID) have nominated VPH Dr. Mohamed Wahba (Egypt) and Dr. Shinji Fukuda (Japan) for the membership of WG. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be processed suitably after the meeting. The Chair may provide further updates at the meeting.

WG-CDTE Agenda Item 2: Road Map to ICID Vision 2030 – Status of Activities on capacity development, training and education

4. At Mexico meeting, the WG reviewed the Action Plan 2030 for Working Group on Capacity Development, Training and Education (WG-CDTE) keeping in view the revised mandate and availability of resources for achieving various activities (refer **Annex 2**). During Mexico meeting in 2017, a need was felt for collecting and compiling information and generating list of training institutes and their capacities to offer training in specific areas. WG also noted that there is need to enhance membership of the WG in order to take up new programme such as creation of database of training institutes and experts and training needs assessment and so on. In order to increase the number of members in the working Group, the ICID CO has requested the NCs to nominate their experts/professionals for the membership in the WG for supporting the capacity development activities. In February, 2018, ICID CO requested the WG Chair Prof. Abdelhafid Debbarh to share the updated action points of Road Map to ICID Vision 2030 of the WG with the members of the group through email or virtual meeting. WG Chair may apprise the members of the latest updates at the meeting.

¹ This will also include details of membership of WG as **Annex**

5. At the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting for any update in the Annex 2 as per the latest developments.

6. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting and WG members will deliberate on evolving monitoring mechanism of achieving milestones in the action plan.

WG-CDTE Agenda Item 3: Promoting capacity development, training and education

WG-CDTE Agenda Item 3.1: Updates on activities of Technical Support Unit (TSU)

7. During the 66th meeting held on 12 October 2015 at Montpellier (France) the International Executive Council (IEC) approved the establishment of a Technical Support Unit (TSU)² at the ICID Central Office with the overall objective to "undertake capacity development activities in the field of agricultural water management (AWM) in support of rural development" for the national stakeholders.

8. In accordance with Resolution IEC-2/68, NCs were requested to (i) take full advantage of the establishment of the Technical Support Programme (TSP), and (ii) to contribute towards the Fund created for undertaking activities of TSP. National Committees were also requested to volunteer and nominate expert/ professional both for long-term (initially 6 months) as well as short-term (upto 10 days at a time) to support the activities of TSP. Korean National Committee of ICID (KCID) has indicated interest and full support in the activities of the technical support program and supported TSP activities through services of a long-term expert in the ICID Central Office. WG appreciated the KCID for support to TSP.

9. ICID's 68th IEC meeting held on 14 October 2017 at Mexico City, Mexico, approved (*Resolution IEC-2/68*), a comprehensive Technical Support Programme (TSP) to be implemented by the TSU, giving details of the aims and scope, consultation of Core Group, mechanism to implementation TSP along with Terms of Reference (ToR) for Engaging Experts for TSU, which was shared with the NCs in January 2018. In response, Iranian National Committee of ICID (IRNCID) submitted request (proposal) for support under TSP for capacity development program i.e. Workshop on 'National Water Accounting' through IRPID in December 2018. This proposal from IRNCID will be considered by the Core Group³. WG may like to discuss nomination of short term and long term experts to implement TSP through TSU.

WG-CDTE Agenda Item 3.2: Training Programme for YPs, 2-4 May 2018 at Kathmandu, Nepal

10. The 8th Asian Regional Conference (ARC) on the theme "Irrigation in Support of an Evergreen Revolution" was organized from 2-4 May 2018 in Kathmandu, Nepal. The Nepal National Committee of ICID (NENCID) hosted the event in collaboration with Department of Irrigation (DoI), the Government of Nepal and other international and national partners. Just preceding conference, one day training programme for YPs was also organized by NENCID on 1 May 2018 with the aim of (i) capacitating the young engineers in the area of irrigation and drainage sector and motivate them to work for the national development; (ii) sharing innovative ideas of irrigation and drainage and recent technology from different parts of the world (learning from resource persons, sharing of ideas among the participants and providing opportunity for networking with the international delegates); and (iii) providing young engineers an opportunity to participate in the Conference. The opening session of the training was graced by Er. Saroj Pandit, Director General, DoI (President NENCID) Ms. Karlene Maywald, Chair National Water Commission Australia, Secretary General Pandya, VPH Dr. Ding Kunlun, VP Madhav Belbase and Arnaud Cauchois, Principal Water Resources Specialist, ADB.

11. The training programme covered two key areas: (i) Water Footprint and Virtual Water Approach as a tool for improved Water Use Efficiency, in addition to the Micro Irrigation for improved land and water productivity, and (ii) Basin planning, its implementation, and introduction on the basin planning tool: Basin Futures. Technical Session on "Water Footprint and Virtual Water Approach as a tool for improved Water Use Efficiency" was conducted by VP Dr. K. Yella Reddy, Director, WALAMTARI, Hyderabad, India.

² TSU was established vide notification no.1 of 2016 dated 04 January 2016.

³ Core Group is headed by the President, ICID and Chair PCTA, PCSO, AFRWG, ASRWG, WG-CDTE as Members and Secretary General, ICID as Convener which was set up as per ICID notification no. 1/2016 to finalise and prioritize work programme, review and monitor programme, administrative and financial decisions in respect of TSU activities etc.

WG-CDTE Agenda Item 3.3: Training Programme for YPs, 9-13 April 2018 at Beijing, China

12. ICID in association with the Chinese National Committee on Irrigation and Drainage (CNCID) and support from the Korean National Committee on Irrigation and Drainage (KCID) organized five-day Young Professional training program to hone the skills of the budding young professionals on the theme “*Performance Assessment of Irrigation Systems*” from 9-13 April 2018 at China Hall of Science and Technology in Beijing, China. The training program mainly focused on the physical, institutional, organizational and participatory management aspects of the irrigation systems and was attended by 19 participants from 14 countries viz., Australia, DPRK, India, Indonesia, Iran, Iraq, Korea, Myanmar, Nepal, Pakistan, Sri Lanka, Tajikistan, Thailand and Uzbekistan.

13. During the inaugural Session Er. A.B. Pandya, Secretary General of ICID gave a brief introduction about ICID and its endeavour to promote capacity development program to attract young minds to AWM sector by organizing training programs for YPs, regionally. The program covered topics such as need for and framework of performance assessment of irrigation and drainage systems; modernization approach and overview; techniques and tools for performance assessment; Rapid appraisal procedure, MASSCOTE and MASSMUS approach; strategies of rehabilitation and modernisation of irrigation systems including structural, non-structural and management interventions in modernization of irrigation systems; and measurement devices, canal lining, and water management practices.

14. On 13 April 2018, a joint field visit of trainees and workshop participants was organized to Dayu Group of Companies to see their plant manufacturing drip and sprinkler irrigation equipment and later to physical modelling and experimental station of Institute of Water and Hydropower Research (IWHR), China. YPs got an opportunity to broaden their understanding on various topics by international speakers, who shared their experiences on the subject such as the need for a framework, performance indicators, techniques and tools for performance assessment, modernization, and management of irrigation systems. Mr. Amit Parashar, Principal Research Consultant, CSIRO Land and Water gave a presentation to the participants on ‘Basin Futures: Supporting water planning in data sparse basins-Australia.’ In their feedback, participants from various countries appreciated the exposure they received during the training as it armed them with the latest techniques and gave them the insight and skills to further improvise. All presentations related to YP training programme and workshop are available at <http://www.icid.org/cdtraining.html>.

15. In addition, CNCID organised a two-day workshop entitled “Innovations of Irrigation Technology” from 14-15 April 2018 where YPs also participated and shared experiences from their countries. President Hon. Dr. Gao Zhanyi (China) in his opening remarks gave an introduction to the participants about the role of innovation of irrigation as water conservation is a growing concern throughout the world and that new developments in technology are helping to make this process much easier than ever before. ICID President Dr. Felix B. Reinders (South Africa), Secretary General Er. A.B. Pandya, Dr. Marco Arcieri (Italy), VPH Bong Hoon Lee (Korea) and others shared their respective country experiences for innovations in irrigation technology and its impact on agricultural production.

WG-CDTE Agenda Item 3.4: Training programme for YPs in 2019 & 2020

16. During the Mexico meeting, the WG noted that the new building and infrastructure for KRC’s Rural Community-International Education and Exchange Center (RC-IEEC) was likely to be fully operational in 2017 so that it can be used for capacity development activities of ICID. It was also noted that KCID further offered to organise training programmes for Young Professionals (YPs) at RC-IEEC in 2018. In February 2018, ICID CO requested Dr. Young D. Kim (Korea), Vice-Chairman of the WG to share the latest status of operationalisation of RC-IEEC for organising training programme for YPs on topics related to agricultural water management (AWM) at IEEC during 2018. Response from Dr. Kim is still awaited. However, during the 8th ARC held in May 2018 in Nepal, a meeting was held between Korean delegation headed by Mr. Kyu Sung Choi, KRC CEO and KCID President and ICID delegation headed by President Felix B. Reinders. Other participants of the meeting include VPH Bong Hoon Lee, VP Naoki Hayashida, VPH Ding Kunlun and Secretary General Er. A.B. Pandya. During meeting it was agreed to organise an international training program for YPs in April 2019 at RC-IEEC, KRC, Korea. Dr. Young D. Kim will provide the latest updates in the meeting of the WG.

SUPP: Vide e-mail of 25 July 2018, VPH Bonghoon Lee (Korea), Chairman of the Korean National Committee of ICID (KCID) informed that Dr. Young D. Kim, Vice-Chair of the WG would not be able to attend the WG meeting. However, Mr. Jang, Vice-President of the KCID and Chairman of RRI, KRC will apprise the latest updates of preparation for hosting YPs training programme at the meeting.

17. First African Young Water Professional’s Forum (Af-YPF) will be held during the 1st Cairo Water Week from 14-18 October 2018 at Cairo, Egypt. The theme of the 1st Cairo Water Week is “Water Conservation for Sustainable Development”. ICID Central Office has provided support of US\$10,000 towards organization of 1st Af-YPF while GWP has also agreed to sponsor two YPs from Mauritania as well conduct one technical session. VPH Dr. Mohamed Wahba (Egypt) will provide further updates at the meeting.

18. The 5th African Regional Conference (5AfRC) on Irrigation and Drainage will be organised by ANAFIDE in collaboration with ICID and IAV Hassan II in Morocco from 16-18 March 2020 at Rabat, Morocco. During meeting of the WG in Mexico, it was agreed that a training programme for YPs from African region will also be organised

preceding 5AfRC. WG Chair Prof. Dr. Abdelhafid DEBBARH and representative of ANAFIDE will provide further updates at the meeting.

WG-CDTE Agenda Item 4: Knowledge Management Strategy

19. While so far, a fragmented, static method of information organization has worked well within ICID network, it makes information dissemination outside ICID network somewhat difficult due to diverse background and knowledge needs of AWM stakeholders. The inherent rigidity of current information structure requires significant search time for a specific piece of information and it is also vulnerable to fluctuating nature of constantly changing content providers and users. The new knowledge base framework, briefly described in this note, will help develop a comprehensive, flexible, user-friendly, and subject matter-oriented multimedia knowledge base on water resources development and management with primary emphasis on ICID network productions and mandates as well as those of its members and partners. Public-domain knowledge objects of ICID members and other organizations or networks will be listed in the metadata directory of keywords and hyperlinked for ease of access. It is proposed that the available ICID knowledge be:

- (a) **re-structured** (in the form of an irrigation and drainage subject matter),
- (b) **expanded** (by adding new information and content or hyperlinks to it), and
- (c) **presented** as a flexible source to suit varying requirements of a diverse audience.

20. Available information first needs to be organized as a collection of ICID's knowledge objects. Some examples of a knowledge object are water cycle, irrigation/drainage structures, and crops. A knowledge object will have sub-objects such as components of water cycle, types of structures, and crop-specific irrigation requirements, and so on. An object, whether main or sub, will have certain attributes, which are ICID and other productions describing that object. ICID productions such as textual descriptions (special publications, position papers, abstracts of publications, technical articles, theses and dissertations), tables, drawings, computer programs, images, and audio/video clips for all the knowledge objects, sub-objects, and sub-sub-objects should be stored in a database with multiple entry points.

21. In addition to the knowledge material provided by ICID, its national committees and partner institutions, the ICID knowledge portal would provide avenues to the user to submit their articles/ research papers/ dissertations/ these and other relevant material. These contributors can be categorized as experts/ professionals/ researchers; students; decision-makers and so on. Furthermore, ICID with the help of National Committees can scan the available international and national materials for incorporating the same in the knowledge base for use of the community. We can also maintain IPR of the materials being registered in the knowledge base.

22. This way, the knowledge base would consist of two databases: temporary and permanent. The temporary database would store the incoming material from contributors and would be invisible. The material from this temporary database would move to permanent database upon approval. Experts in the relevant field from different national committees can be chosen as the moderator who can review and approve the materials for quality control of the knowledge base. Accordingly, a hierarchical user structure and workflow process will be developed.

23. Once the knowledge portal is established, the users from the LinkedIn Group can be directed to the website and portal can serve as a forum for e-discussions.

24. Overall, the knowledge portal would contain different sections for knowledge sharing:

- (a). Resource Information (properly organized detailed information about irrigation, drainage, agricultural water management and other relevant topics)
- (b). ILMS - repository of the documents available on the ICID website (abstract available on the website and pdf attached) - advanced search enabled
- (c). To submit potential material (to be approved by the moderator)
- (d). Identifier Keywords from MTD and other databases
- (e). Forum for e-discussions (directed from the LinkedIn group)
- (f). Detailed Record of Awards + Submission for Awards (WatSave, HIS, and WSH)
- (g). Technical news articles (separate section? or news items should be included in the ILMS)
- (h). Webinars (Experts and YP's)
- (i). A section dedicated to the software tools available (such as BasinFutures and DOMIS)
- (j). Experience gained and case studies of project implementations of various type pertaining to the core areas of ICID. MTD can be further developed in the form of an Irrigation Wiki where generally consumable information of common interest can be hosted.
- (k). Directories of products and services in a classified form for enabling business-to-business (B2B) and (business-customer) B2C/ C2B type of networking to facilitate the individuals and communities in remote areas.
- (l). Multilateral financing agencies to be approached for putting in their projects and experience documents on the portal for distributing in a wide manner.

25. ICID Knowledge portal details are available at **Annex 3**. A presentation on KM portal will be made by Director (KM) of ICID CO. WG will deliberate on the KM activities and provide their suggestions for finalization of structure and content of KM portal.

WG-CDTE Agenda Item 4.1: Dissemination of Knowledge

26. During the Mexico meeting, the group noted that the website of the WG http://www.icid.org/wg_cdte.html was updated with new membership list, agenda, minutes, paper presentations, publications etc. In February 2018, the members were requested to provide interesting articles/papers/presentations/documents related to the scope of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and update of WG website.

WG-CDTE Agenda Item 4.2: Sharing of Knowledge

27. During the Mexico meeting, the WG discussed about organization of webinar to share vast knowledge available with ICID fraternity among members of the NCs with the support of WG experts. In February 2018, the ICID CO has followed-up with the members and requested to participate in the Webinar/ Web-based seminar and also to suggest topics along with name of experts who can be consulted to deliver webinar. Response is awaited. WG will discuss the matter and provide list of topics along with name of the experts to deliver webinar.

28. This year, ICID organised series of webinars for Young professionals (YPs). So far, two webinars have been organised on the topics (i) Save Irrigation Water Using the Innovative Machine of Soil and Water Management for Rice Crop Cultivation (SWMR) by Mr. Mohamed El Hagarey (Egypt); and (ii) Using System Rice International to increase water productivity, in Nile Delta Egypt by Dr. Arnulfo Gonzals / M.s Sabah Khalifa (Egypt). Further, the third webinar will be held on 11 July 2018 on the topic 'Water use efficiency and water productivity, experience from Afghanistan' by Mr. Najum Udin (Afghanistan). Live recording of webinars is available at ICID website http://www.icid.org/icid_webinar.html. Under the profession series of webinar, two webinars have been planned in July 2018.

WG-CDTE Agenda Item 4.3: E-learning programmes as a capacity development tool

29. At Mexico meeting (2017), the WG supported the idea of development of e-learning programmes as a part of capacity development mandate and agreed to make effort to gather information on existing e-learning models on subjects related to agricultural water management (AWM) as well as identify the gaps and compile inventory of national institutes and education and training centres through the WG members and the NCs. In February 2018, the ICID CO followed-up with the members of the group to provide any information available with them on various e-learning modules and details of training institutes in their country directly to WG Chair Prof. Abdelhafid Debbarh, with a copy to ICID Central Office. WG may like to discuss how the existing capacities in the NCs could be used to establish a regular e-learning programme in ICID.

WG-CDTE Agenda Item 5: Any other business



Annex 1 [Appendix XVII, Item 1]

A. Members and their attendance at 2016 and 2017 Meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. Dr. Abdelhafid DEBBARH (Morocco), Chairman	2015	•				
2.	Dr. Young D. Kim (Korea), Vice-Chairman	2015	•			# ¹	
3.	Mr. Mirza Asif Baig (Pakistan)	2016					Provisional Member. No contribution.
4.	Dr. Nader Heydari (Iran)	2016					Provisional Member. No contribution.
5.	Eng. Abu Obieda Babiker Ahmed Hassan (Sudan)	2016					Provisional Member. No contribution.
6.	Mr. Ramesh Kumar (India)	2016					Provisional Member. No contribution.
7.	Mr. Hasan Basri Yuksel (Turkey)	2016			•	#	Contributed his paper in WG-IOA workshop in 2018
8.	Ms. Dahile Abdulquader Abdulhammed (YP) [Iraq]	2016					Provisional Member. No contribution.
9.	Mr. Raad F. Amein Taha (Iraq)	2016					Provisional Member. No contribution.
10.	Secretary General, ICID					#	

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	VPH Dr. Mohamed Wahba	Egypt	Recommended as member, subject to his presence else provisional member
2.	Dr. Shinji Fukuda	Japan	Recommended as member, subject to his presence else provisional member

¹ Through representation



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CDTE

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C5. Strategy: Dissemination of Data, Information, Tools, Knowledge and Know How	5.1 Guide and support organization of seminar/ workshops etc. by WGs and NCs	Networking and exchange of knowledge	Regular	Regular	Regular	Regular	Regular
	5.2 Report on role of ICT in capacity development	Study report	Discussion, collection and analysis of information Draft report	Finalisation and release of report	Collection of additional data and information	Updation of report	Collection of additional data and information
Goal E: Encourage research and support development of tools to extend innovation into field practices							
E1. Strategy: Support Improving Research Prioritization in the Countries	1.3 Overseeing activities of Technical Support Unit (TSU)	Capacity development and technical support to NC	Regular	Regular	Regular	Regular	Regular
Goal F: Facilitate capacity development							
F1. Strategy: Enhancing Institutional Capacity Development of Member Countries	1.1 Provide technical support of National Committees, member and non-member of ICID (TSU)						
	1.2 Assisting to find capacity gaps in NC (TSU)						
	1.7 Contribute in the process of reorganization of NCs (TSU)						
F2. Strategy: Support Capacity Development Activities of Member Countries	2.1 Facilitate donor NCs supports joint research, invitations training, YP support program, or membership subscription in certain period (TSU)	Technical Report	Finalisation and dissemination of technical report				
	2.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc.	Study report	Discussion, collection and analysis of information Draft report	Finalisation and release of report	Collection of additional data and information	Updation of report	
	2.3 Organizer Webinar	Online meeting	Identification of topics and	Support development of webinar	Support development of webinar	Support development of	Support development of webinar

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
			resource persons/ institutes	material and its wider dissemination	material and its wider dissemination	webinar material and its wider dissemination	material and its wider dissemination
F3. Strategy: Technical Training of Young Professionals from Member countries	3.1 Develop on-line training and extension material to be used in support of improving irrigation practices and increasing water productivity						
	3.3 Establishment of a distance learning mechanism	e-learning modules	Identification of topics and resource person/institutes for development of e-learning modules	Development of e-learning modules and its wider dissemination	Development of e-learning modules and its wider dissemination Identification of additional topic etc.	Development of e-learning modules and its wider dissemination	Development of e-learning modules and its wider dissemination
	3.4 Capacity development/training program on request from NCs	Training of professionals	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year
	3.5 An online directory of institutes providing formal degree in Irrigation and Drainage	Online course	Collection and analysis of information and its wider dissemination	Updation of information	Updation of information	Updation of information	Updation of information
F5. Strategy: Providing Technical Support to NC's (TSU)							

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



ICID KNOWLEDGE MANAGEMENT STRATEGY (KMS) AND WORK PLAN

CONCEPT NOTE

1. Introduction

It is needless to say that the basic aim of knowledge is to empower human society against a number of survival challenges under a highly dynamic environment, and that there is no clear distinction between knowledge creator and knowledge user. We are all participating in a knowledge process or part of a knowledge cycle, and we all contribute to it based on our capacity as well as draw from it based on our unique needs. From this perspective, for *International Commission on Irrigation and Drainage (ICID)*, a professional network that deals in scientific and technical domains, managing its knowledge cycle/process is a key activity in order to fulfil its overall mission of sustainable development of agricultural water resources through an international platform of a very diverse group of stakeholders. ICID plays a critical role in the field of irrigation, drainage and flood management by facilitating strategic communication and collaboration among scientific, engineering, policy making and water manager/user communities, all striving to find sustainable solutions for agricultural water management (AWM). We all realize that better communication precedes better collaboration and collaboration leads to better synergy of limited resources, both physical and human. The keyword here is “better,” building upon what has proven good.

2. Knowledge Management Strategy (KMS)

Based on the recommendations of a series of consultations of ICID Working Group on Knowledge Theme and those emanating from various ICID partners, the ICID Central Office has deployed a small dedicated team of professionals to manage knowledge processes within ICID network. The first task of the team is to review the existing KM processes in water management circles and then suggest a possible future strategy keeping in view the requirements of ICID members, partners and other stakeholders with due consideration of resources available and under existing institutional framework.

A brief review of KM practices of other similar international networks such as FAO and CGIAR was also considered essential as part of this KMS development. FAO, being an international extension agency, puts greater focus on information or knowledge dissemination rather than knowledge creation. However, CGIAR system generates knowledge through research and therefore its main objective is to make research output easily available to all stakeholders. The first lesson learned by all is that KM should not be technology-centric but should make best possible use of technology in various stages of the knowledge process. Another general observation is that most organizations arrange their knowledge around their thematic units, which may not be the best way of holistic knowledge dissemination or for issue-based global knowledge integration. A neutral hub or knowledgebase approach in which all multi-disciplinary stakeholders participate freely and with ease would be an ideal platform for sustainable knowledge-based solutions. Thriving virtual social networks serve as a good example of this phenomenon.

3. Conceptual Framework

Knowledge management encompasses creation, generation, extraction, consolidation, compilation, synthesis, storage, packaging, and dissemination of data, information, knowledge and know-how to the end users as well as impact assessment of knowledge use through a feedback mechanism that completes the knowledge cycle. In other words, this feedback mechanism could also act as an external knowledge contribution or knowledge validation feature.

As a professional network ICID is not mandated to conduct original research and build a knowledge base of its own, its primary role in knowledge processes of its members and partners is to facilitate communication, collaboration and wider dissemination of knowledge produced. From time to time, ICID has also strategically produced special publications whenever it realized that a certain agricultural water management (AWM) issue did not receive the attention it deserved or from ICID's vantage point it was better placed to add more value to the knowledge process on a particular AWM issue.

Scientific knowledge creation and generation process falls within the purview of the research and development institutions of the ICID member and non-member countries as well as ICID partner institutions and networks. ICID's Irrigation and Drainage Journal captures such scientific knowledge from innumerable global sources. The various technical Working Groups of ICID, through their activities, also help validate, extract, compile, and synthesize this knowledge to make it useful for AWM policy makers and practitioners. It is assimilated through various application and development processes, sectors and/or disciplines. The effort is to appropriately synthesize both scientific and non-scientific interactions among technology, techniques, and people for greater good. For sharing this knowledge or know-how across a wide spectrum of users the ICID Central Office is assigned the responsibility of facilitating dissemination by making optimal use of the advances in the information technology and other communication channels. Over the years ICID has continuously taken initiatives to upgrade its capacity and facilities to provide a

user-friendly access to the latest data, information and knowledge products for AWM. Some of such services by the Central Office include:

- (a) Peer-reviewed Irrigation and Drainage Journal
- (b) Continuously Updated ICID Website
- (c) Integrated Library Management System (ILMS)
- (d) Text Delivery System (TDS)
- (e) Multilingual Technical Dictionary (MTD) on Irrigation and Drainage
- (f) Electronic Bulletins, Newsletters and Special Publications
- (g) Distance Learning and Training Tools
- (h) Virtual Communication Tools: Web-conferencing and Tele-conferencing
- (i) Research Database: IrriReSearch
- (j) Products and Services Directory: Irrigation and Drainage Yellow Pages

Using contemporary approaches and technology, for more than six decades ICID has been continuously managing knowledge on various aspects of irrigation and drainage through its membership activities, interactions in various fora, and diverse partnerships. All the data and information collected thus far and documented in ICID productions are currently stored and maintained under varying formats and at several locations. In recent years efforts have been made to organize the available data, information and knowledge in a consistent manner; for example, ICID website (www.icid.org) is evolving as the primary interface to the knowledge base or source of ICID knowledge objects. With general improvements in internet connectivity across the world, website-based interface is preferred choice of most knowledge organizations for expanding their reach.

Information flows of NC's research and outreach activities and that of ICID partners are yet to be mapped in a definitive form that makes them seamlessly integrated with ICID knowledge base and thus easily searchable and retrievable through ICID web site. ILMS, MTD and IrriReSearch initiatives are significant efforts in that direction. The idea is not to duplicate or replicate what is provided by others, but to improve access to knowledge objects wherever they exist in public domain. In this regard, a good metadata directory service assumes important significance.

Knowledge is also a dialogue process; therefore, it must flow in all possible directions. Another on-going ICID effort is to allow two-way knowledge interaction using virtual communication tools and e-Learning methodologies. A series of "webinars" on emerging AWM topics/issues has become a regular feature with satisfactory participation from across the globe despite time-zone limitations of a synchronous seminar session in such conditions. ICID also facilitates a young professionals' e-Discussion forum (YPeF) for knowledge sharing. Along the similar lines, relevant e-Learning courses are being planned for a diverse group of learners. Content and target audience for these are being worked out. ICID participates in irrigation and drainage related e-Discussions and other fora of its members, partners and other groups and shares its own learnings.

In summary, the core principle of this ICID KMS is to facilitate better knowledge creation through better knowledge flows by being a synergetic player in global, national and local knowledge processes of its members, partners, users and peripheral stakeholders. This concept note outlines a framework for a distributed yet virtually integrated irrigation and drainage knowledge base for all AWM stakeholders.

4. I&D Information/Knowledge Content Providers and Users

A typical ICID information provider and/or user may belong to one or more of the following categories:

- (a) ICID Members and Partners, and their Libraries
- (b) Practicing AWM Engineers and professionals
- (c) College/University Faculty and Students, and Field/University Researchers
- (d) Community Development Workers/Planners/Managers
- (e) Private Sector involved in agricultural water business
- (f) Farmers, Extension Workers and Water Activists/Enthusiasts
- (g) ICID supporters and other institutions

5. Irrigation and Drainage Knowledge Base and Portal

While so far, a fragmented, static method of information organization has worked well within ICID, it makes information dissemination outside ICID network somewhat difficult due to diverse background and knowledge needs of AWM stakeholders. The inherent rigidity of current information structure requires significant search time for a specific piece of information and it is also vulnerable to fluctuating nature of constantly changing content providers and users. The new knowledge base framework, briefly described in this note, will help develop a comprehensive, flexible, user-friendly, and subject matter-oriented multimedia knowledge base on water resources

development and management with primary emphasis on ICID network productions and mandates as well as those of its members and partners. Public-domain knowledge objects of ICID members and other organizations or networks will be listed in the metadata directory of keywords and hyperlinked for ease of access. It is proposed that the available ICID knowledge be:

- (a) re-structured (in the form of an irrigation and drainage subject matter),
- (b) expanded (by adding new information and content or hyperlinks to it), and
- (c) presented as a flexible source to suit varying requirements of a diverse audience.

Available information first needs to be organized as a collection of ICID's knowledge objects as shown in Table 1. Some examples of a knowledge object are water cycle, irrigation/drainage structures, and crops. A knowledge object will have sub-objects such as components of water cycle, types of structures, and crop-specific irrigation requirements, and so on (refer Table 1). An object, whether main or sub, will have certain attributes, which are ICID and other productions describing that object. ICID productions such as textual descriptions (special publications, position papers, abstracts of publications, technical articles, theses and dissertations, *etc.*), tables, drawings, computer programs, images, audio/video clips, *etc.* for all the knowledge objects, sub-objects, and sub-sub-objects should be stored in a database with multiple entry points.

In addition to the knowledge material provided by ICID, its national committees and partner institutions, the ICID knowledge portal would provide avenues to the user to submit their articles/ research papers/ dissertations/ theses and other relevant material. These contributors can be categorized as experts/ professionals/ researchers; students; decision-makers and so on. Furthermore, ICID with the help of National Committees can scan the available international and national materials for incorporating the same in the knowledge base for use of the community. We can also maintain IPR of the materials being registered in the knowledge base.

This way, the knowledge base would consist of two databases: temporary and permanent. The temporary database would store the incoming material from contributors and would be invisible. The material from this temporary database would move to permanent database upon approval. Experts in the relevant field from different national committees can be chosen as the moderator who can review and approve the materials for quality control of the knowledge base. Accordingly, a hierarchical user structure and workflow process will be developed.

Once the knowledge portal is established, the users from the LinkedIn Group can be directed to the website and portal can serve as a forum for e-discussions.

Overall, the knowledge portal would contain different sections for knowledge sharing:

- (a) Resource Information (properly organized detailed information about irrigation, drainage, agricultural water management and other relevant topics)
- (b) ILMS - repository of the documents available on the ICID website (abstract available on the website and pdf attached) - advanced search enabled
- (c) To submit potential material (to be approved by the moderator)
- (d) Identifier Keywords from MTD and other sets
- (e) Forum for e-discussions (directed from the LinkedIn group)
- (f) Detailed Record of Awards + Submission for Awards (WatSave, WHIS, WSH)
- (g) Technical news articles (separate section and/or news items should be included in the ILMS)
- (h) Webinars (Experts and YPs)
- (i) A section dedicated to all the software's available (ex: Basin Futures and DOMIS)
- (j) Experience gained and case studies of project implementations of various type pertaining to the core areas of ICID. MTD can be further developed in form of an Irrigation Wiki where generally consumable information of common interest can be hosted.
- (k) Directories of products and services in a classified form for enabling B2B and B2C/ C2B type of networking to facilitate the individuals and communities in remote areas.
- (l) Multilateral financing agencies to be approached for putting in their projects and experience documents on the portal for distributing in a wide manner.

6. User Interface for Knowledge Base and Portal

The main feature of this new framework is its flexibility, which is in direct contrast to the rigidity of the current information structure. In this new framework users will have greater control over what is displayed to them about a particular object or keyword. In other words, there will not be a single set of information presented to all users, rather a user will virtually build a knowledge base on his/her own by selecting appropriate knowledge objects or keywords. This will be useful when a user becomes familiar with the knowledge base and explores it for different purposes on subsequent visits.

The new interface will be able to handle instruction-related and exploration-related requests from a user. Based on user preference (instruction or exploration), the new interface will retrieve relevant knowledge objects from the knowledge base and dynamically create one of the following three different views of the information:

- (a) Multilevel Subject Matter View for instruction-oriented users,
- (b) Query-Based View for specific information seeker, or
- (c) Activity-Based View for use of AWM tools, techniques/methods by user.

Table 1. Irrigation and Drainage Knowledge Base

<p>SOURCES OF IRRIGATION</p> <ul style="list-style-type: none"> • Irrigation History • Sources of Irrigation • Improving soil moisture • Ponds • Tanks • Diversion weirs • Large Reservoirs • Groundwater • Conjunctive water use • Wastewater • Poor quality water 	<p>APPLICATION OF IRRIGATION WATER</p> <ul style="list-style-type: none"> • Canal Irrigation • Flood Irrigation • Deficit Irrigation • Supplemental Irrigation • Sprinkler Irrigation • Drip Irrigation • Lift Irrigation • Centre Pivot Irrigation • Tidal Irrigation • Micro-Irrigation Technologies for Small Holders • Automatic Irrigation Systems • Pressurized Irrigation • Irrigation in Viticulture 	<p>PURPOSE OF IRRIGATION</p> <ul style="list-style-type: none"> • Kitchen Garden • Landscape • Agriculture • Horticulture • Floriculture • Forestry
<p>INSTRUMENTS AND IMPLEMENTS OF IRRIGATION</p> <ul style="list-style-type: none"> • Pumps • Centrifugal Pumps • Submersible Pumps • Turbine and Jet Pumps • Conveying pipes • Sprinklers • Drippers • Canal automation systems 	<p>IRRIGATION MANAGEMENT</p> <ul style="list-style-type: none"> • Economics of Irrigation System • I&D System Types • I&D Investment Functions • I&D Management Issues • Participatory I&D Management • Equity in irrigation • Irrigation services 	<p>IRRIGATION AND ENVIRONMENT</p> <ul style="list-style-type: none"> • Pollution and Irrigation • Irrigation and Climate Resilience • Environmental aspects of Irrigation • Environmental Impacts of Irrigation • Green Lawn Irrigation • Safe Use of Wastewater in Irrigation • Organic Agriculture • Soil Health • Soil Health Management • Quality of Irrigation Water
<p>CAPACITY DEVELOPMENT</p> <ul style="list-style-type: none"> • Irrigation Services Certification • ISO Certified Irrigation Equipment • ISO Standards on Irrigation Equipment • Levels of Capacity Development • Capacity Development Framework • Tools for Integrated Water Resources Management • Irrigation Services 	<p>DRAINAGE TYPES AND SYSTEMS</p> <ul style="list-style-type: none"> • Agricultural Drainage • Canal Irrigation and Drainage • Field Drainage systems • Surface drainage • Sub-surface Drainage • Mole Drainage • Bio-Drainage • Regional Bio-Drainage 	<p>DRAINAGE ISSUES</p> <ul style="list-style-type: none"> • Waterlogging and Soil Salinity • Conjunctive use of Surface and Groundwater • Drainage and Water Quality • Environmental & Economic Benefits of Drainage • Environmental Impact Assessment • Management of Drainage Water • Sustainable Urban Drainage
<p>ICID DATABASES</p> <ul style="list-style-type: none"> • Integrated Library Management System • ICID Databases • ICID Publications • ICID News and Articles 	<ul style="list-style-type: none"> • ICID Members and Partners • Irrigation and Drainage Dictionary • Directory of Irrigation and Drainage Products and Services 	<p>ANALYTICAL TOOLS/MODELS</p> <ul style="list-style-type: none"> • BHIVA • PODIUM • WEAP • SALTMED • IrriSearch

Advanced script programming techniques and database management systems will be used to provide this dynamism in the knowledgebase. This knowledge base will also have the potential of being published as a web site (scaled-down version for preview purposes) as well as a DVD-based product (full-scale multimedia database). Individual topics can also be printed in PDF format if desired by a user. Specific queries will result in ICID products and hyperlinks to outside sources. The knowledge base will also act as an online calculator for standard irrigation and drainage design and water management tools.

7. Multilevel Subject-Matter View

This view will be in response to an instruction-related request from the user. It will be useful mainly for students, teachers, and those who would like to learn about irrigation and drainage or find subject matter information in a structured way. A tentative organization of this view is represented in Figure 1 using a water pond as the basic object or keyword.

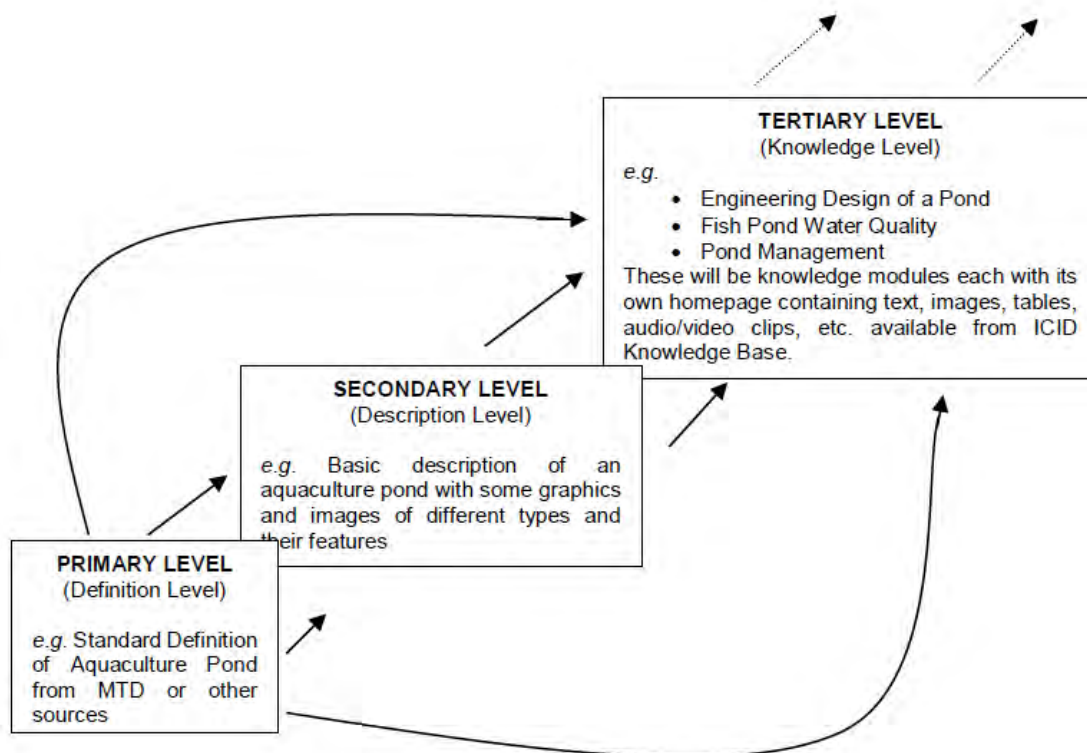


Figure 1. Multilevel Subject Matter View of "Pond" Object

All the Primary Level objects (or keywords) may be contained in an "Overview of Irrigation and Drainage," which will serve as the first interface for Multilevel Subject Matter View and currently exists on ICID web site. For each object there will be two different menu sets – one for Secondary Level information and the other for Tertiary Level information. These menu sets will be designed specifically for the type of object, e.g., all irrigation systems will have the same menu sets and so will drainage systems.

8. Query-Based View

In this exploration-related view the user will type a query about irrigation or related subject. Using the knowledge object(s) or keyword(s) appearing in the typed query, the new interface will provide appropriate menu sets associated with each object of the query. The sub-objects associated with the knowledge object will also be displayed along with their menu sets. Knowledge objects and sub-objects have been described previously in this note. An example menu set and brief descriptions of various menu choices are shown in Figure 2. By clicking on a choice in the menu set, user will be able to retrieve information from irrigation and drainage knowledge base. Retrieved information will be displayed in a separate pop-up window.

This view will be useful for researchers, extension workers, and those looking for some specific information about irrigation and drainage. This view will greatly reduce the navigation time to retrieve a particular piece of information. If the user is satisfied with the displayed information, he/she will have an option to print some or all of it.

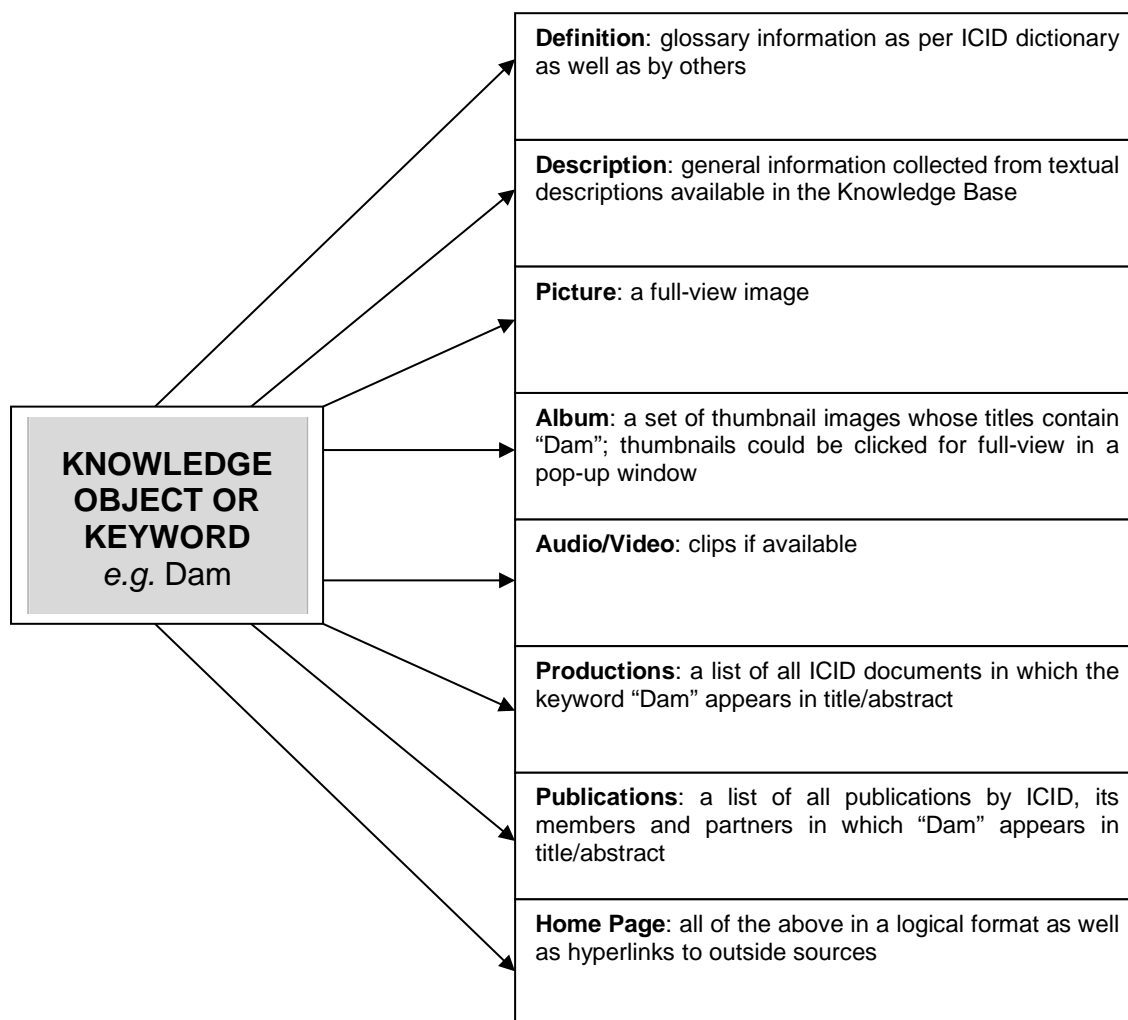


Figure 2. Query-Based View of Irrigation and Drainage Knowledge Base

9. Activity-Based View

Activity-Based View, a response to exploration-related request from a user, will employ a problem-solving approach of information dissemination. User will select an online tool or case study from a collection covering all the important aspects of irrigation and drainage. This first interface will be similar to the "Overview of Irrigation and Drainage" interface used for Multilevel Subject Matter View.

The tool or case study will provide stimuli (knowledge objects or keywords and their associated menu sets) to explore the knowledge base. The case study will include a description of a situation and an associated set of problems that need to be solved by the user. These tools and case studies can either be real or hypothetical designed specifically to highlight a particular aspect of irrigation or drainage. The user will solve the problems using information available from the knowledge base. The solution(s), representing user's own knowledge base, will contain all the information derived from the knowledge base. Figure 3 depicts this interaction between the user and the knowledge base.

This view will be useful for practitioners, field workers, designers, self-learners or trainees. Teachers and professional trainers can also use this as a learning tool. While standard AWM tools are easy to incorporate, it will require significant input in the form of real and hypothetical case studies from subject-matter specialists within ICID members and partners.

A hypothetical case study could be designing a tilapia grow-out pond facility as described here. The user will be able to create his/her own knowledge base on a template by picking (cut-and-paste) ICID productions of knowledge objects (from the Knowledge Base) required to design such a pond and arranging them in a manner suggested in the problem statement.

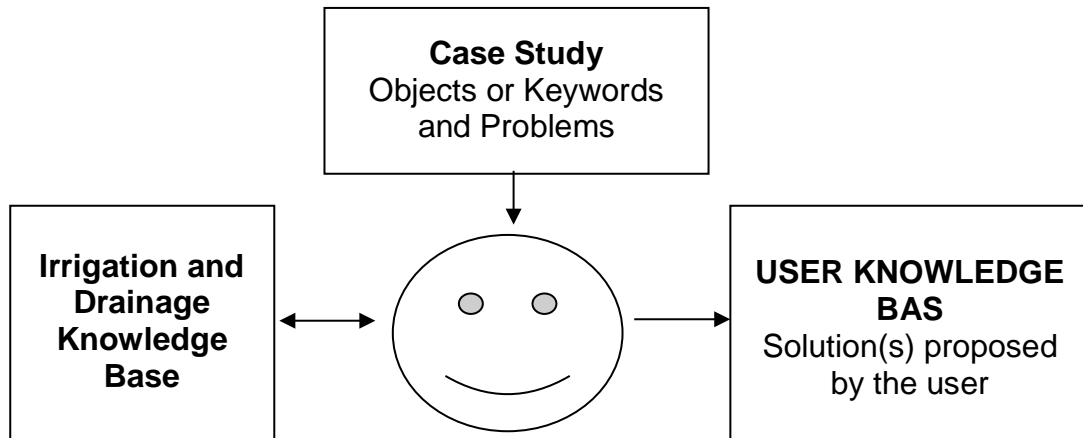


Figure 3. Activity-Based View of Irrigation and Drainage Knowledge Base

10. Example for Activity-based View: Pond Design Problem

Problem Statement

Design a series of ponds as a 100 T/year tilapia production facility. Assume the source of water to be a well near the pond site with a maximum flow capacity of 200 L/min. Use a nearby ditch (klong) as a discharge destination. The proposed design should include the followings:

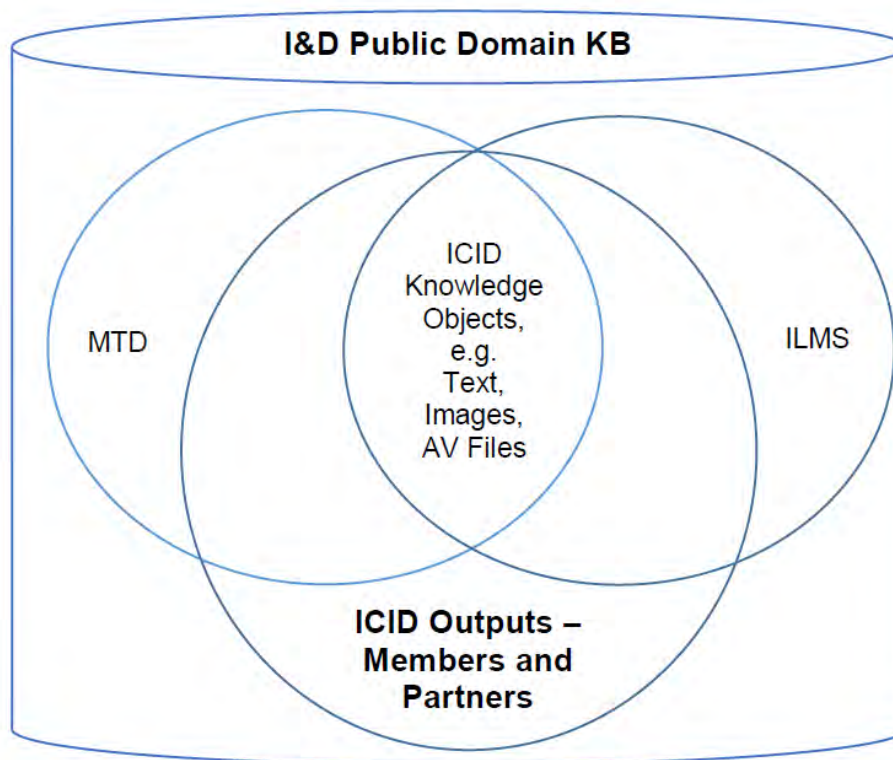
- (a) Site-selection (choices are Northeast Thailand, Southern Vietnam, and Northern Vietnam)
- (b) Background information such as environmental (water quality) requirements of tilapia, tilapia growth cycle, etc.
- (c) Required feeding rates and oxygen requirements at different stages of tilapia growth
- (d) Pond type and layout (including number and size of ponds and their location with respect to each other -- drawings please)
- (e) Inlet and outlet structures for each pond and water flow rates
- (f) Pumps (location, number and capacity of each)
- (g) Aerators (location, number and capacity of each)
- (h) Tilapia stocking rates of different ponds assuming that 50-g size fingerlings are available and market size is 500-g/fish.

You can make certain assumptions about this problem, but they should be supported by valid references. Most of the knowledge objects (or keywords) are underlined in the problem statement to help you search for information from irrigation and drainage knowledge base.

11. Basic Requirements/Skills for I&D Knowledge Base/Hub

- (a) Formal and informal need assessment of potential participants of Irrigation and Drainage Knowledge Cycle/Base (identification of not so obvious groups)
- (b) ICID information/knowledge flow mapping and further conceptual development of the KM framework (how ICID acquires knowledge, not necessarily information/data)
- (c) Consultations with primary content providers to develop a super list of knowledge objects, classification scheme for knowledge objects, and contents of user interface
- (d) Interface layout design, color schemes and intuitive user-friendly features
- (e) Technical aspects of database design and associated tools
- (f) Conversion of audio/video and other data into digital form
- (g) ICID Information Database setup (any open source program)
- (h) Script programs for database search and view display/print
- (i) Typing/Database Entry (all the technical topics/write-ups that ICID publishes are knowledge objects and thus they need to be structured accordingly)

- (j) Scanning of old documents and pictures
- (k) Knowledge Object Organization System (Refer Set Diagram below):



12. ICID Knowledge Management Progress and Work Plan

(Convergence of Distributed Knowledge Resources and User-specific Interfaces)

The 68th IEC approved, in principle, the proposed ICID Knowledge Management Strategy (KMS), which is largely based on the changing landscape of knowledge management area in most scientific domains. AWM is no exception and hence it is timely that ICID establishes a future-ready digital platform for its stakeholders and users.

As explained in the KMS document, there are two major aspects of ICID knowledge dissemination – the backend where the knowledge is organized in the form of efficiently integrated databases (convergence of asymmetrical, distributed, fragmented data/information resources) and the user-friendly frontend which provides user-specific access to the integrated knowledge base. The skillsets required for this work plan to achieve its objectives were mentioned in the KMS document. Broadly speaking, we need a group of water sector professionals who conceptualize the backend and an IT professional who develops the integrated database structure according to the conceptualization and provides the user interfaces for a range of needs such as regular information dissemination, interactive e-Learning, and online modeling/simulation.

In-house efforts have been made to successfully develop a sort of prototype content management system (CMS) using the existing ICID IT platform (MySQL + PHP) along with a simple database of ICID's special publications. However, the prototype is more for gaining an understanding of feasibility of using the existing platform rather than being the first version of an envisaged advanced knowledge management system.

To overcome the obvious limited IT capacity in ICID as it is not our area of expertise, it is suggested that either we hire an IT professional to work fulltime with responsibility of developing the IT platform and maintaining it or outsource the IT part of the KM project to a private agency specializing in such domains. In the former case, as discussed earlier, it may be difficult to find the right person, but it will add capacity to the Central Office in medium to long term. In the later scenario, we may get a very professional end product, but with limited technical support after the final payment is made to the vendor.

Discussions are being held with the IT vendor, who coded the ILMS, MTD and the ICID website, to explain our specifications and requirements, and now their proposals/quotations are awaited for further consideration. The search for a dedicated IT professional to work on this project is also underway using our own networks.

**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND
FLOOD CONTROL (WG-HIST)**

15 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2017

Extended the completion of the Mandate: 2023

Mandate: (a) To motivate ICID National Committees in various countries to set up their National Working Groups on History; (b) To provide guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, and flood management; (c) To promote inter—disciplinary exchange of information, knowledge and experience, as well as networking on the topic (agricultural, political, socio-economic, climatologically and geographical, aspects) for proper understanding of the technological developments on the subject; (d) To organize seminars at ICID Congresses to enhance awareness of Water history; (e) To prepare a paper on “Historical Water Sustainability” for publication in *Irrigation and Drainage (IRD) Journal*; (f) To finalize a book on “Historical Water Sustainability”; and (g) To encourage member countries to produce documentaries on Water History.

Website: <http://wg-hist.icidonline.org/>

WG-HIST Agenda Item 1: Introduction by the Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.

2. ICID CO, vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries, advised the work bodies to make full use of web-ex platform for virtual meetings so as to ensure regular contribution from the WG members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) and advised the WG Chairs to make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.

3. The ICID Central Office has invited nominations from the National Committees for the membership of the working group in the months of January, March, and May 2018. In response, the Sudanese National Committee (SNCID) has nominated Dr Ahmed Adam Ibrahim while Egyptian National Committee (ENCID) has nominated VPH Prof. Dr. Dia El Din Ahmed El Quosy for the membership of the WG. However, CV of Dr. Ibrahim is yet to be received. The Chinese Taipei Committee (CTCID) has nominated Dr. Sinite Yu while Japanese National Committee (JNCID) has once again reconfirmed the nomination of Prof. Dr. Nobumasa Hatcho to continue his membership of the working group. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-HIST Agenda Item 2: Road Map to ICID Vision 2030 - Activities on history of irrigation, drainage and flood control

4. At Mexico meeting (2017), the group reviewed the Action Plan for WG-HIST keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. WG Chair and members will provide updates on actions initiated to achieve milestones as per

¹ This will also include details of membership of WG as **Annex**

agreed Action Plan during the meeting. During the Mexico meeting, the group proposed to organize a workshop on historical water sustainability (see Item 6) during the Canada events in 2018 as part of the Action Plan.

5. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the Permanent Committee for Technical Activities (PCTA) to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

WG-HIST Agenda Item 3: Publication on “Historical Water Sustainability”

6. At Mexico meeting (2017), Chair provided brief updates on the final version of the WG publication titled *‘Historical Water Sustainability’* and informed that 15 chapters were ready. During the meeting, Chair proposed to consult with PH Peter Lee (UK) for editing the chapters and also proposed that PH Prof. Bart Schultz would prepare a uniform format for the chapters while Chairman would complete the concluding chapter and finalize the book by August 2018 with help from other members in reviewing and e-publishing by ICID Central Office. The ICID Central Office is ready to take desk top publishing viz. formatting, layout etc., once the manuscript is ready and will bring out as e-publication for uploading on ICID website besides make it available at ICID’s Integrated Library Management System (ILMS) for world wide access. Chair will provide further updates at the meeting.

WG-HIST Agenda Item 4: Exchange of information, knowledge & networking – Website

WG-HIST Agenda Item 4.1: Website of the group

7. At Mexico meeting (2017), the group noted that the website of the working group http://www.icid.org/wg_hist.html was updated with new membership list, agenda, minutes, events, etc. Chair encouraged members to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. Accordingly, the ICID CO has followed-up with the members and requested to provide papers, articles and documents related to the mandate of the group. WG will discuss and evolve better mechanisms for sharing information and its updating on the WG web site.

WG-HIST Agenda Item 4.2: Webinar/ Web based seminar

8. During Mexico meeting (2017), the group discussed and supported the organization of webinar/ web based seminar and encouraged members to provide their suggestions on topics, based on the mandate of the WG along with the name of the relevant experts who could be contacted to develop webinars. Accordingly, the ICID CO has followed-up with the members and requested them to suggest topics for organization of webinars. Chair will provide further updates at the meeting.

WG-HIST Agenda Item 5: Review of Historical Irrigation Structures (HIS) and WSH Program

9. At Mexico meeting (2017), the working group noted the progress of Historical Irrigation Structure (HIS) and development of World Water System Heritage (WSH) Program. In the first edition of the WSH program, an exclusive Award ceremony, jointly organized by ICID and WWC, to recognize three water management systems was organized during the opening ceremony of the 8th World Water Forum on 19 March 2018 at the WWC Pavilion in Brazil. The recognized systems selected by the International Panel of Judges were: (i) The Genbegawa Irrigation Canal System, Japan; (ii) Sekikawa Suikei Land Improvement District, Japan; and (iii) Sheikh-Bahaei Water Allocation Scroll, Iran. A Citation Plaque and Certificate were presented to the representatives by Prof. Benedito Braga, President of WWC and Eng. Felix Reinders, President of ICID. The WSH Program aims at identifying and preserving the people-centred water management systems, organizations, regimes and rules as intangible water heritage considered as outstanding value to humanity and giving them recognition.

10. Besides WSH program, ICID also has Register of Heritage Irrigation Structures (HIS) for recognition of the historical irrigation structures on the lines of World Heritage Sites, launched in 2014. As such the ICID register has 59 structures from around the world listed on the ICID website. Fourteen irrigation structures have been received for inclusion in the ICID Register of HIS in 2018 and the number is growing every year.

11. The Management Board at its first virtual meeting (MB-1/18) held on 03 May 2018 in Kathmandu, Nepal during the 8th Asian Regional Conference, has accepted the proposal of renaming the existing scheme of "Heritage Irrigation Structures (HIS)" as "World Heritage Irrigation Structures (WHIS)", as the Scheme was originally conceptualized for providing a worldwide recognition to historical individual structures forming an irrigation system, irrespective of their location. MB felt that the renaming existing HIS Scheme as WHIS Scheme would not only enhance the level of the awards, but also provide better recognition to the ancient works in the field of irrigation and lessons learnt from their operations over the historical periods, which have universal

application. It would also attract the non-member countries to ICID membership, as the renamed Scheme is open to nominations from non-member countries, if the nomination is authenticated by a National Committee or by the concerned Regional Working Group such as ASRWG, AFRWG, etc. depending on the region of origin of nomination. MB also felt that the acronym WHIS (World Heritage Irrigation Structures) does not coincide with any other such acronyms in the recognition of heritage areas. The change proposed does not involve any other impacts on the present formulation of the scheme except for the inclusion criteria for non-member countries. Hence, MB requested that the proposal be taken up by WG-HIST and revise the scheme suitably in accordance with the decision of MB, prior to its presentation at PCTA for its consideration and later approval by the Council in Canada. A revised draft of the proposed WHIS scheme is given at **Annex 3**.

12. In view of the MB's above decision, the Structures selected for recognition under the Scheme for this year, will now be recognized as 'WHIS' during the plenary session of the 69th IEC at Saskatoon, Saskatchewan on 13 August 2018. In this regard, on 21 May 2018, the ICID Central Office has requested the Chair Dr. Kamran Emami to conduct a virtual meeting either by circulation or through web platform in order to provide its immediate suggestions or recommendations, prior to consider the revised WHIS Scheme at the WG-HIST meeting at Canada. In response, Chair Dr. Kamran Emami supported the decision of MB and has informed that he will be circulating the decision to the members for their suggestions and recommendations. Chair will provide further updates at the meeting.

WG-HIST Agenda Item 6: Workshop organized by the working group, August 2018, Canada

13. The WG will be organizing a Workshop on “Historical Water Sustainability” on 12 August 2018 during 09:00 to 12:30 hours. At the start of the 21st century, humankind established itself on a non-sustainable course - a course that, unless corrected, will lead to catastrophes and awesome consequences. In this context, the water wisdom of the past, which was achieved over a period of hundreds of years, can be regarded as a unique and irreplaceable gift from our ancestors to our generation facing the great challenge of ensuring sustainable development. Given above, the sub-topics of the workshop were - (i) Water and Sustainability; (ii) Case studies of Sustainable historical water schemes; and (iii) Water Wisdom of the past and lessons learned. The Chair will provide a ‘Summary Report’ of the workshop at the meeting.

WG-HIST Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2017 meeting

No.	Members	Member from (Year)	2017		Remarks
			Self	Contributed by mail	
1.	Dr. Kamran Emami, Chairman (Iran)	2017	•	•	
2.	Mrs. Xuming Tan (China)	2017		•	
3.	Eng. Ahmed Awad Hag Abd-Elnabi (Egypt)	2017		•	
4.	VPH Dr. Laszlo Hayde (Hungary)	2017	•		
5.	VPH Dr. A. Hafied A. Gany (Indonesia)	2017			
6.	Mr. Antonio Linoli (Italy)	2017	# ²		
7.	Prof. Dr. N. Hacho (Japan)	2017	•		
8.	Mr. Jong Myong, Kim (Korea, Rep. of)	2017	•		
9.	Dr. José Luis Martínez Ruiz (Mexico)	2017	•		
10.	Engr. Sirika Ahmad Abubakar (Nigeria)	2017	•		
11.	Prof. Dr. Abdul Sattar Shakir (Pakistan)	2017			
12.	Prof. Jaekyoung Noh (Republic of Korea)	2017			
13.	VPH Dr. Gerhard Backeberg (South Africa)	2017	•		
14.	Eng. S.P.C. Sugeeshwara (Sri Lanka)	2017			Admitted as Provisional Member, no contribution, recommended for discontinuation after Canada meeting if no contribution.
15.	VPH Chaiwat Prechawit (Thailand)	2017			
16.	Mr. Charles L. Abernethy (UK)	2017			
17.	Secretary General, ICID				
Permanent Observers					
18.	Dr. Ir. M. Ertsen (IWHA)				
19.	Dr. Ing. Klaus Rottcher (Germany)				
20.	Dr. (Mrs.) B. Dolfing (The Netherlands)				

B. New Nomination received from the National Committees/ Committee

Sl. No.	Name	Country	Remarks
1.	Dr. Ahmed Adam Ibrahim	Sudan	Recommended as member, subject to his presence else provisional member
2.	VPH Prof. Dr. Dia El Din Ahmed El Quosy	Egypt	Recommended as member, subject to his presence else provisional member
3.	Dr. Sinite Yu	Chinese Taipei	Recommended as member, subject to his presence else provisional member



² Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals	1.2 International conference/ workshop/ seminar on History	Workshop Proceedings	Workshop/ seminar on Historical Water Sustainability		Workshop/ seminar		
C3. Strategy: Promoting Regional Cooperation	3.10 International conference/ workshop/ seminar	Workshop Proceedings					
C4. Strategy: Compile, Collate and Share Knowledge and Experiences	4.5 Publication on Historical Water Sustainability	Publication	Finalize the publication on Historical Water Sustainability	Compile lessons learned from HIS/ WSH		Compile lessons learned from HIS/ WSH	
	4.6 Historical Irrigation Structures (HIS)	Register of HIS	Nomination/ evaluation / update register	Nomination/ evaluation /update register	Nomination/ evaluation / update register; Exhibition at WIF3	Nomination/ evaluation /update register	
	4.7 World Water System Heritage (WSH) Program	Register of WSH	Nomination/ evaluation / update register	Nomination/ evaluation / update register	Nomination/ evaluation / update register, Exhibition at WIF3	Nomination/ evaluation / update register	
C5. Strategy: Dissemination of Data, Information, Tools, Knowledge and Know How	5.10 Producing documentary on "Historical Water Wisdom".	Documentary	Tentative gathering of the related documentaries from the member countries	Encouraging the member counties to produce documentaries on water history by presenting the prize on the best documentaries			
	5.11 Updating the WG-HIST website	Online					
	5.12 Producing documentary on "Historical Water Wisdom".						
Goal E: Encourage research and support development of tools to extend innovation into field practices							
E4. Strategy: Research on History of Irrigation and Lessons Learned from the past							
E6. Strategy: Dissemination of Useful Research Outputs	6.1 Prepare a paper on combination of old methods and new technologies		Presenting the first paper in the WG workshop and other seminars	Presenting the second paper in the WG workshop and other seminars			

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**REVISED SCHEME FOR RECOGNITION OF
'WORLD HERITAGE IRRIGATION STRUCTURES (WHIS)'**

1. Background

- 1.1 At the 63rd meeting of International Executive Council (IEC) held at Adelaide, Australia on 28 June 2012, President Gao Zhanyi suggested that a process for recognition of the historical irrigation structures on the lines of World Heritage Sites as recognized by UNESCO shall be initiated. Accordingly, a Task Team comprising of the following members, was set up to work out objectives, guidelines and procedures to select the historical irrigation structures. The Scheme was discussed during the meeting of WG-HIST at 65th IEC meeting. The members suggested changes in the scope of the Scheme, The present Scheme has been revised and updated to include both the old operational irrigation structures as well as structures that have primarily archival value. The Management Board (MB) at its first virtual meeting of 2018 (MB-1/18) held in Kathmandu, Nepal on 03 May 2018 decided to prefix the word 'World' to HIS as the Scheme was originally conceptualized for recognizing the individual structures forming an irrigation system, irrespective of its location.

2. Objective

- 2.1 It is proposed that a historical irrigation and/or drainage structure fulfilling the criterion laid down in this document shall be recognized as "World Heritage Irrigation Structure" (WHIS). The main objectives of recognition as a "World Heritage Irrigation Structures" are:
- (a) Tracing the history of and understanding the evolution of irrigation in the civilizations across the world.
 - (b) To select and collect information on historical irrigation structures from around the world, understand their significant achievements and gather knowledge about the unique features that have sustained the project for such a long period;
 - (c) To learn the philosophy and wisdom on sustainable irrigation from these structures; and
 - (d) To protect/preserve these historical irrigation structures

3. Scope

- 3.1 The type of the structures or facilities to be considered for recognition as World Heritage Irrigation Structures shall fulfil following criterion:
- (a) The structure shall be more than 100 years old;
 - (b) The structures shall fall under one of the following categories:
 - (i) Dams (operational largely for irrigation purpose),
 - (ii) Water storage structures such as tanks for irrigation,
 - (iii) Barrages and other water diversion structures,
 - (iv) Canal Systems,
 - (v) Old waterwheels,
 - (vi) Old shadouf,
 - (vii) Agriculture drainage structures,
 - (viii) Any site or structure functionally related to present or past agricultural water management activity.

4. Criterion

- 4.1 The structure recognized as a World Heritage Irrigation Structure should fulfill one or more of the following criterions.
- (a) The structure should represent a milestone / turning points in development of irrigated agriculture and should bear an exceptional testimony to development of agriculture and increase in food production along with the improvement of economic condition of farmers;

- (b) The structure that was ahead of its times in terms of project formulation, engineering design, construction techniques, dimensions of the structure itself, quantum of water diverted, and size of the command; [any one or more of these]
- (c) Must have made outstanding contribution to enhancing food production, livelihood opportunities, rural prosperity, and poverty alleviation in a region;
- (d) Was innovative in its ideas at the time of its construction;
- (e) Contributed to the evolution of efficient and contemporary engineering theories and practices;
- (f) Is an example of attention to environmental aspects in its design and construction;
- (g) Was an example of engineering marvel or excellence at the time of its construction;
- (h) Was unique in some positive and constructive way;
- (i) Bears the stamp of a cultural tradition or a civilization of past the past;

4.2 The structures fulfilling the above laid criterion will be classified into Lists:

- (a) **List A** would include those structures which are still operational and present an outstanding example of sustainable Operation & Management over a long period of time;
- (b) **List B** would include those structures which essentially have archival value and are no more functional

5. What does listing as an ICID World Heritage Irrigation Structure mean?

5.1 The process of documentation, recognition and appropriate management of the World Heritage Irrigation Structures will benefit the irrigation and drainage fraternity as well as the society in general by providing:

- (a) Understanding of the factors that make the heritage structures sustainable and learn lessons there from;
- (b) Education opportunity for professionals, students and general public; and

5.2 For UNESCO World Heritage Sites, inclusion means maintaining status quo forever. But it would be incorrect to stipulate the same for irrigation structure, as the people have the right to replace older structure with more efficient ones for better water use efficiency. Recognition as an WHIS would be used to draw attention of the concerned governments to provide sufficient resources to maintain the WHISs. ICID may provide small scale technical guidance to the project authority through a team of experts from ICID for its further sustainability, conservation and safe management as long as possible. ICID through various kinds of published material (Coffee table publications, web pages etc) should bring these WHIS into the public knowledge and the role they have played in achieving food security.

6. Procedure

6.1 A historical irrigation and drainage structure fulfilling the criterion laid under section 4, based on the recommendation of the Jury to be constituted following the guidelines, as presented below, will be approved by the International Executive Council to be recognized as World Heritage Irrigation Structure (WHIS) that will be included in an “**ICID Register of World Heritage Irrigation Structures**” and presenting a “**World Heritage Irrigation Structure**” Plaque citing the salient features of the WHIS. The Plaque will be awarded to the National Committees for onward transmission to the authorities responsible for the running and maintenance of the structure for displaying prominently on the body of the structure. The ICID Register of WHIS would be publicized through ICID media channels.

6.2 The National Committee should report the current status of registered WHIS site to ICID, after 5 years of registration.

6.3 Application

6.3.1 Any National Committee/Committee of ICID can nominate or send a proposal for recognizing historical irrigation structures meeting the criteria prescribed below, in the format prescribed at **Annexure**. The NC shall obtain a ‘letter of support’ from the relevant authority (ies).

6.4 Jury

6.4.1 The President shall constitute a Panel of Judges, broadly following the composition below for adjudication with the objective to provide recognition to World Heritage Irrigation Structures:

Chairman, PCSO	- Chairman
Chairman/Ex-Chair, WG-HIST	- Member
Nominees from 3 NCs of ICID	- as Members
Secretary General, ICID	- Member-Secretary

6.5 Call for nomination

6.5.1 The nomination process for recognition of World Heritage Irrigation Structures is open ended and the National Committees desirous of submitting a nomination can fill in the required information in the Nomination Form as prescribed in Annexure A. The nomination forms received by 30th June every year will be processed together and presented to the following Executive Council meeting after due processing.

6.6 Financial

6.6.1 ICID will seek to create a fund to meet the requirements of resources for:

- (a) Processing the applications,
- (b) Providing certain technical support to the WHIS for maintaining the structure in good condition,
- (c) Developing material for dissemination of WHIS, and
- (d) Bringing out publications based on the lessons learnt.

6.7 Contact

6.7.1 The ICID Central Office may be contacted for further information on the Recognition of WHIS,

Secretary General, ICID
48 Nyaya Marg, Chanakyapuri
New Delhi 110021
Tel: +91-11-26116837, 2611 5679, 2467 9532, Fax: +91-11-26115962
E-mail: icid@icid.org, Website: www.icid.org



Annexure to para 6.3.1 of the WHIS Scheme

**NOMINATION FORM FOR INCLUDING IN THE
ICID REGISTER OF WORLD HERITAGE IRRIGATION STRUCTURES (WHIS)**

(Note: The information provided herein can be used by ICID to inform, market and give publicity to the WHIS included in the ICID Register of World Heritage Irrigation Structures through various dissemination mechanism, giving due acknowledgement to the National Committee and the owner organization.)

1. Details of the Irrigation Structure Nominated

(Separate form should be submitted for each nominated structure)

- (a) Name:
- (b) The year of commissioning:
- (c) Area Irrigated/ drained:
- (d) Geographical Coordinates:
- (e) River basin/ sub-basin where located:
- (f) Name of the Nominating National Committee/Committee:

2. Management Details of the WHIS:

- (i) Ownership:
 - (a) Name of organization
 - (b) Address:
- (ii) Name and contact details of Official(s) managing the nominated structure
- (iii) Present source of fund for Operation and Maintenance of the nominated structure (For List A structures)
- (iv) Present source of fund for Maintenance of the nominated structure (For List B structures)

3. Description giving Salient Features of the nominated structure

(Provide in a separate sheet in 500 words. Also provide Maps/ Sketch /Plans, if available showing various components, boundary, jurisdiction of the project area (to be attached)

4. Justification for nomination:

- (a) Criteria which the nominated structure fulfils and how (Please provide a write up of not more than 1000 words one or more criteria that the structure fulfils)
- (b) Statement on the nominated structure's engineering utility as on date vis a vis its designed utility. (For including in List, A)
- (c) Statement on the nominated structure's engineering utility at the time it was functional, and details of the overall project of which it formed an essential part. (For including in List B)

5. Present state of Conservation

(Enumerate and describe factors that are affecting or have affected the utility of the nominated structure in the past e.g. Encroachment, Suitability in present conditions, pollution, natural disaster such as floods, earthquake, visitors/tourism pressure etc.) (Max 500 words)

6. Documents attached

- (a) Support letter (s) from the relevant local/national authorities (Essential)
- (b) Document providing project description,
- (c) Document/ Report enumerating benefits accrued from the project since its inception
- (d) Project photographs old as well as the latest
- (e) Audio visual materials and
- (f) Inventory of project property,
- (g) Bibliography etc.

(In case the documents are too bulky, please provide electronic versions) (Scanned etc.)

7. Certification by the National Committee/Committee

(i) Authentication:

- (a) It is certified that the above information is correct to the best of our knowledge and the relevant institutions/departments have been contacted or informed about this nomination. (Concerned Archeological Department/Agency or maintaining organization in case of LIST B)
- (b) National Committee will undertake the actions required to disseminate the information befitting the listed World Heritage Irrigation Structure.

(ii) No Objection certificate:

We have no objection to ICID using the information provided with this nomination form for marketing and to give publicity to the historical irrigation structure nominated.

- (a) Signatures
Chairman / Secretary of Nominating
National Committee / Committee/Regional Working Group
- (b) Name
- (c) Address
.....
.....
- (d) Seal



**AGENDA FOR THE 25TH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

15 August 2018, 13:30-15:00 hours (Session-I)
15 August 2018, 15:30-17:00 hours (Session-II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1994

Mandate: (i) To ensure with the (Joint) Editor(s) that the Journal is published in accordance with editorial policies; (ii) To select and recommend to IEC, through PCTA, the appointment of (Joint) Editor(s), Associate Editors and Members; (iii) To review and update editorial policies when required, to conform with the developing ICID objectives; (iv) To address and resolve issues pertaining to the Journal; and (v) To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

Website: http://www.icid.org/wiley_journal.html

EB-JOUR Agenda Item 1: Action Taken Report by Chair (from Editor, Chairman)

1. The Chairman's Report for 2017 has been disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report will be presented and discussed at the beginning of the meeting.

2. The Egyptian National Committee on Irrigation and Drainage (ENCID) has nominated VPH Prof. Dr. Dia El Din Ahmed El Quosy (Egypt) for the membership of Editorial Team. The existing membership and new nominations to the Editorial Board (EB) are given at **Annex 1** (*refer electronic version for latest list*). The French National Committee of ICID (AFEID) has informed that Dr. Marcel Kuper (France) would like to step down from EB-JOUR as Associate Editor but he continues as a Member of the EB-JOUR. The Chairman proposes that this may be accepted. The Chairman emphasized that there is need for some new young members and Associate Editors for EB-JOUR.

SUPP: The Japanese National Committee (JNCID) vide email of 13 July 2018 has nominated Dr. Takanori Nagano (Japan) as Associate Editor in place of Dr. Takao Masumoto in the EB-JOUR.

3. By the end of March 2018 Prof. Dr. Vijay Labhsetwar, Director retired from ICID Central Office after 13 long years of services to IRD. He continues to work for ICID on a contractual basis. The procedure to appoint a successor is ongoing. The Chairman likes to thank Dr. Labhsetwar wholeheartedly for the excellent work that he has done for *Irrigation and Drainage*.

EB-JOUR Agenda Item 1.1: Special Issues

4. This year three special issues have been published. These are:

- (a) A Special Issue with selected papers from the 2nd World Irrigation Forum (2016). This Special Issue has been published as Issue 67.1 (February, 2018);
- (b) A Sponsored Special Issue by the Working Group on Sustainable Development of Tidal Areas (WG-SDTA). This Special Issue is based on selected papers from the workshops of the Working Group in 2014, 2015 and 2016. This Special Issue has been published and mailed together with the regular Issue 67.3 (July 2018). The Chairman likes to thank the Guest Editors Prof Ruey-Chy Kao & Dr. Hsiao-Wen Wang from Chinese Taipei and Dr. Henk P. Ritzema (The Netherlands) and the reviewers for their work, as well as the Japanese, Korean and Chinese Taipei Committees for their support;
- (c) A Sponsored Special Issue by the Iranian National Committee (IRNCID) based on selected papers of the 13th International Drainage Workshop held in March 2017 at Ahwaz, Iran. This Special Issue has been published and will be mailed together with issue 67.3, or 67.4. The Chairman likes to thank the Guest editors Dr. Mohammad Javad Monem & Mr. Mojtaba Akram from Iran and the reviewers for their work, as well as the Iranian National Committee and the Khuzestan Water and Power Authority (KWPA) for their support;

5. At present, five new Special Issues may be expected, they being:
- (a) A Sponsored Special Issue on New Developments on Irrigation in Africa. This special issue is based on the results of a European Union supported project with several partners, especially IRSTEA (France) and Wageningen University (Netherlands). It is expected to be published at the time of the last issue of this year (December 2018), or the first issue of next year (February 2019);
 - (b) The French National Committee (AFEID) is taking care for a sponsored special issue with selected papers of the Regional European Conference in Montpellier (2015). The Special Issue is expected to be published in 2018;
 - (c) A Special Issue with selected papers of the 23rd ICID Congress in Mexico City (2018). This will most probably be published as the first issue of next year, Issue 68.1;
 - (d) A Sponsored Special Issue by the Mexican National Committee, based on selected papers of the special session during the ICID Congress in Mexico is being investigated;
 - (e) A Special Issue with invited papers related to the ICID Vision 2030 and Action Plan. This will most probably be published in the first half of next year.
6. In addition, the Working Group on Sustainable Development of Tidal Areas (WG-SDTA) is considering to prepare a third Sponsored Special Issue, based on the papers presented during its meetings and workshops. The Chinese National ICID Committee (CNCID) is also considering a Special Issue based on recent developments in China.

EB-JOUR Agenda Item 1.2: French resumés

7. Despite of the agreements that were reached on the checking of the French resumes, new delays have been encountered. The Chairman has been in close contact with the French National Committee to iron out the delays. A solution has been found by transferring the check of the French texts from Bernard Vincent to Severine Tomas. At present the check of the French texts is done on schedule.

EB-JOUR Agenda Item 1.3: Recognition to the reviewers

8. The Guest Editors and Reviewers of the papers in 2017 have been listed and recognized in the first issue of *Irrigation and Drainage* in 2018.

9. In 2016, M/s. Wiley had installed a new software PUBLONS on its website. With this software, reviewers are being recognised for their review work independently of the papers that they review. The experiences with this new option will be discussed during the meeting of the Editorial Board.

10. In the forthcoming papers in the Journal, the Joint and Associate Editors that handled the review process will be mentioned at an appropriate place.

EB-JOUR Agenda Item 1.4: Review process

11. Based on the Table as was presented and discussed in the Mexico City meeting (2017), the periods for the various steps in the review process have been reduced since May 2018.

EB-JOUR Agenda Item 1.5: Best Paper Award 2018

12. In 2017, seventy-two papers have been published in the five regular issues. The Best Paper has been selected by the Chairman in cooperation with the Joint and the Associate Editors of the Journal. The Best Paper Award in the form of a citation plaque along with a cash prize of either £ 250 or £ 400 – in the form of Gift Books (Wiley Publications), which the awardees will have an option to choose. The winner of the '*Best Paper Award 2018*' will be announced during the IEC Plenary Meeting on 13 August 2018.

EB-JOUR Agenda Item 2: Road Map to ICID Vision 2030: Action Points of Editorial Board

13. The Action Points of the Editorial Board to the Draft ICID Action Plan 2030 were presented and discussed during the Chiang Mai meeting (2016). One of the action points was a proposal to devote one issue of Irrigation and Drainage (IRD) to the draft ICID Action Plan 2030 with invited papers from high level authors. The draft contents of the proposed Special Issue were presented and discussed during the Mexico meeting in October 2017. Since then the envisaged authors have been contacted and the papers for the issue are being prepared. The status will be reviewed during the meeting.

14. The progress with respect to the other activities of EB-JOUR in the framework of the ICID Action Plan 2030 can be summarized (**Annex 2**) as follows:

- (a) Three regular issues of IRD have been published on time and as customary, Issue 4 and 5 will also be published on time. The Special Issue with selected paper of the 2nd World Irrigation Forum has been published as Issue No. 67.1 (February 2018);
- (b) Two Sponsored Special Issues are ready and have been or will be published at short notice. Two or three others are under preparation. Unfortunately, some of the sponsored special issues are being delayed;
- (c) The Chairman has had a regular meeting with M/s Wiley on 15 May 2018. The second meeting is scheduled to be held on 31 October 2018;
- (d) In 2017, the two-year Citation Index was 0.931 (objective was 0.7). The Altmetric Score was 3% (objective was 5%). The 2018 figures will be reported during the meeting;
- (e) The number of unique visitors to the IRD web page in 2017 was 62,231 (objective was 40,000);
- (f) The number of downloads of IRD papers in 2017 was 38,625 (objective was 25,000);
- (g) The number of institutions with access to IRD via an M/s Wiley License in 2017 was 5633 (objective was 4500).
- (h) The number of low-cost or free accesses to current content to developing world institutions in 2017 was 7669 (objective was 5000).

EB-JOUR Agenda Item 3: Distribution of the Journal among the ICID membership

15. This year is the fifth year under the fourth Agreement (2014-2018) with M/s Wiley-Blackwell, UK. Under this Agreement, National Committees are entitled to receive five copies of the Journal online + print and five copies as online only. After consultation with the National Committees, the list of members for distribution of IRD in 2018 to the National Committees and work body members and office bearers have been sent by Central Office to M/s. Wiley for effective distribution of the Journal to all the members. It is important that all National Committees timely submit their revised contact details, if any, to get the copies properly and timely. Since 2014 the ICID subscription list includes the new category of 'Direct Members' and the recipients of ICID YP scholarship.

16. The numbers of subscriptions for 2018 are **565** online only, **155** online + print and **112** 'print' only, which makes the overall total as **832**. Despite the fact that some National Committees still have not provided the required information on the dissemination of the 5+5 free copies to ICID Central Office, 32 copies more than the 800 copies under the Agreement have been subscribed in 2018.

EB-JOUR Agenda Item 4: Issues related with M/s Wiley-Blackwell

17. The regular contacts with M/s Wiley-Blackwell are very effective and the publisher is very well catching up with new developments in the publishing world. Details are given in the Chairman's report of 2017 and will be presented during the meeting.

18. During the year, several documents have been received from M/s. Wiley and initiatives have been taken. Mention can be made of:

- (a) Wiley global communications & media research publicity guidelines;
- (b) On March 2, a Wiley Society Executive Seminar was held in London under the theme "Survive or Thrive? Sustainable Publishing Strategies in an Age of Disruption". The chairman has attended this seminar;
- (c) Information on agreements on open access.

EB-JOUR Agenda Item 5: New Agreement between ICID and M/s. Wiley-Blackwell (2019-2025)

19. During the Mexico meeting (2017), the New Agreement (2019-2025) between International Commission on Irrigation and Drainage (ICID) and M/s. Wiley-Blackwell, UK was, in principle, approved. Since then, there have been several consultations with M/s Wiley and the Agreement has now been signed. An essential positive difference with the previous Agreements is that beyond the present online individual ICID member subscriptions as provided to Work Body members and Office Bearers, all individual members of ICID National Committees can have online access to the Journal as soon as the threshold of, in principle, 800 subscriptions has been passed. Chair may apprise the members in the meeting.

EB-JOUR Agenda Item 5: “Privacy Policy” of Irrigation and Drainage Journal

20. The European Union (EU) required a privacy policy by all organizations that deal in some way with personal data. This obviously also applies to ICID, while we provide personal data to M/s Wiley to enable the provision of online access and the dissemination of printed copies for the ICID member subscriptions. ICID has the practice to only use these data in light of the organization of the subscriptions. In line with this, the document as shown in **Annex 3** has been prepared and submitted to M/s. Wiley. It has been published on the ICID website, as well, on the page of EB-JOUR. The draft policy will be presented and discussed during the meetings and hopefully approved as a formal policy of the Journal.

EB-JOUR Agenda Item 6: Any other business



Annex 1 [Appendix XIX, Item 1]

Members and their attendance at 2016 and 2017 Meetings

Sl. No	Members	Member From	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	President Hon. Dr. Bart Schultz, Chairman (The Netherlands)	2002	•	•	•	•	
2.	Prof. Dr. Kristoph-Dietrich Kinzli P.E., Joint Editor (2012)	2010		•		•	
3.	Dr. Li Jiusheng (China), Joint Editor (2015)	2012	•	•		•	
4.	VPH Prof. Hector Malano, Editor Emeritus (2015) (Australia)	2001		•		•	
5.	Dr. Bryan P. Thoreson, Associate Editor (USA)	2001		•		•	
6.	Mr. Bernard Vincent, Associate Editor (France)	2010	•	•		•	
7.	Prof. Daniele de Wrachien, Associate Editor (Italy)	2001		•		•	
8.	Dr. Takao Masumoto (Japan), Associate Editor	2011		•	•	•	
9.	Dr. Nick C. Van de Giesen, Associate Editor (2013) (The Netherlands)	2007		•		•	
10.	Dr. Biju George (Australia), Associate Editor (2014)	2013		•		•	
11.	Prof. Waldo Ojeda-Bustamante Associate Editor (2014)	2014	•	•	•	•	
12.	Prof. Kendall C. DeJonge (USA) Associate Editor (2014)	2014		•		•	
13.	Prof. Saleh Taghvaeian (USA) Associate Editor (2014)	2014		•		•	
14.	Prof. Yih Chi Tan (Chinese Taipei) Associate Editor (2013)	2006		•		•	
15.	Dr. Henk Ritzema (The Netherlands), Associate Editor (2015)	2013		•		•	
16.	Prof. Graziano Ghinassi (Italy), Associate Editor	2015		•	•	•	
17.	VPH Laszlo Hayde (Hungary), Associate Editor	2015	•	•	•	•	
18.	VPH Larry D. Stephens (USA)	2001	•	•	•	•	
19.	Dr. Muhammad Latif (Pakistan)	2002		•		•	
20.	Dr. Yohei Sato (Japan)	2009		•	•	•	
21.	Prof. Ir. Dr. Mohd Amin bin Mohd Soom (Malaysia)	2009		•		•	
22.	Dr. Marcel Kuper, (France)	2009		•		•	
23.	Dr. Mohammad Javad Monem (Iran)	2011	•	•		•	
24.	Prof. Dr.-Ing. Klaus Rottcher (Germany)	2011		•		•	
25.	Prof. dr. Joong Dae, Choi (Korea)	2013	•	•		•	
26.	Mr. Brent Paterson (Canada)	2013		•		•	
27.	Ir. Simon Howarth (UK)	2014		•		•	
28.	Dr. Poolad Karimi (Iran)	2016	•	•		•	
29.	Prof. Jin-Young Choi (Korea)	2017		•	•	•	
30.	Dr. Severine Tomas (France)	2017		•	•	•	
31.	Dr. Vijay Labhsetwar (ICID Central Office)	2006		•		•	

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	VPH Prof. Dr. Dia El Din Ahmed El Quosy	Egypt	Recommended as member, subject to his presence else provisional member
2.	Dr. Takanori Nagano	Japan	Recommended as member, subject to his presence else provisional member



Annex 2 [Appendix XIX, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTION POINTS OF EDITORIAL BOARD

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B1: Supporting Development of Appropriate Policies	1.6 To devote one issue of IRD to the ICID Action Plan with invited papers of high level authors	IRD Special Issue	Invitation of authors	Publication in one of the regular issues			
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C4: Compile, Collate and Share Knowledge and Experiences	4.1 To publish high quality papers in the journal Irrigation and Drainage (IRD) on new developments in irrigation, drainage and flood management	About 70 papers per year published in five issues.	5 Issues of IRD	5 Issues of IRD	5 Issues of IRD	5 Issues of IRD	5 Issues of IRD
	4.2 In addition to the regular issues to publish sponsored special issues on an ad hoc basis		One or two sponsored special issues	One or two sponsored special issues	One or two sponsored special issues	One or two sponsored special issues	One or two sponsored special issues
	4.3 To maintain good working relations with a professional publisher. At present John Wiley & Sons		Two working meetings	Two working meetings. Renewal of the publishing agreement, preferably with John Wiley & Sons	Two working meetings	Two working meetings	Two working meetings
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C5: Dissemination of Data, Information, Tools, Knowledge and Know How	5.3 Increase the outreach of IRD Journal						
	5.4 Increase number of unique visitors to IRD's pages at Wiley	On-line	40,000	42,000	44,000	46,000	48,000
	5.5 Increase number of downloads of IRD papers		25,000	26,000	27,000	28,000	30,000
	5.6 Increase number of institutions with access to IRD via a Wiley License		4,500	4,500	4,600	4,600	4,700
	5.7 Increase number of low-cost or free access to current content to developing world institutions		5,000	5,000	4,900	4,900	4,800
	5.15 Improvement in the citation index (CI) and in the altimetric scorer (AC)		CI:0.7 AC:5%	CI:0.7 AC 6%	CI:0.8 AC:7%	CI:0.8 AC:8%	CI:0.9 AC:9%
Goal E: Encourage research and support development of tools							
Strategy E6: Dissemination of Useful Research Outputs	6.3 To publish high quality papers in the journal Irrigation and Drainage (IRD) on new developments in irrigation, drainage and flood management	Publication of IRD Journals	?	?	?	?	?

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
NEW DELHI, INDIA

**“PRIVACY POLICY” OF
IRRIGATION AND DRAINAGE JOURNAL**

1. The International Commission on Irrigation and Drainage (ICID) with its Central Office based in New Delhi, India publishes its scientific Journal *Irrigation and Drainage* based on an Agreement with the publisher M/s John Wiley & Sons, Inc (UK).

2. The publisher has developed a privacy policy for its activities that recognizes the importance of protecting the personal information collected from users in the operation of its services and taking reasonable steps to maintain the security, integrity and privacy of the collected information (see: <https://www.wiley.com/en-us/privacy>). ICID submits on an annual basis information on members of its National Committees or direct members to M/s Wiley in relation to the special ICID member subscriptions that have been agreed upon with M/s Wiley. With respect to this, ICID consents to the practices described in the privacy policy of M/s Wiley. In addition, although not yet formulated in a formal policy, it has always been ICID's own practice, as it will be in future as well, not to use the data of members of its National Committees and of direct members for other purposes than where the data are intended for. In case of its Journal *Irrigation and Drainage*, this is just to enable M/s Wiley to provide the ICID members with access to the Journal, either by online access and/or by provision of printed copies. The information that is collected concerns only the contact data of the individuals and institutions that are entitled to receive *Irrigation and Drainage*, either by online access, or in print. ICID's Central Office collects these data by sending, on an annual basis, the draft lists of the potential subscribers to the secretariats of its National Committees with an invitation to check them and to inform ICID's Central Office on any corrections that are required. The revised list is then submitted to M/s Wiley.

The first occasion to formalise the existing practice in a formal policy will be during the next International Executive Council (IEC) meeting that will be held during August 12-17, 2018 at Saskatoon, Canada. The draft policy, based on the existing practice as outlined above, will be placed on the Agenda of the relevant meetings at Saskatoon as above.



**AGENDA FOR THE 2ND MEETING OF
TASK FORCE FOR UPDATING AND MAINTENANCE OF
MULTILINGUAL TECHNICAL DICTIONARY (TF-MTD)**

13 August 2018, 13.30-15.00 hours
Saskatoon, Saskatchewan, Canada

Year of Establishment: 2016

Mandate: (a) To identify priority chapters and terms frequently referred/ consulted by AWM professionals; (b) To consult/invite professional organizations to collaborate in enriching chapters/terms; (c) To identify experts/work bodies to review terms/chapters; (d) To encourage NCs in preparation and building of additional translations along with English/French; (e) To identify interesting pictures/diagrams suitable to illustrate various terms, where required, and (f) To make it accessible on web/ mobile.

TF-MTD Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the Task Force at its last meeting held at Mexico in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries of work bodies has suggested work bodies to make full use of WebEx platform for virtual meeting so as to ensure regular contribution from the work body members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous work body meeting and review the progress of the action points. No virtual meeting of the Task Force (TF) could be organised since last meeting of the TF in Mexico in October 2017.
3. No new nominations have been received for the membership of the TF. The membership of the TF-MTD is given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

TF-MTD Agenda Item 2: Technical Dictionary on AWM of other organizations

4. At Mexico, the TF discussed and noted that MTD had been developed over a significantly long period by experts, while AGROVOC provides general definitions (as Scope Note for the term) for very few terms and relies heavily on other multilingual dictionaries (from different sources). After discussions, the TF recommended to undertake updation of relevant terms of MTD with the support of the relevant WGs.

TF-MTD Agenda Item 3: Process for updation of MTD

5. During the Mexico meeting, Chair proposed that the current 5th edition (2010) of English language version may be taken as base document for updation. TF members agreed to focus on the possible update of the current English edition by checking the chapters and terms to see if any chapter/ terms need to be modified, new terms to be added, any term to be deleted as well as inclusion of any photos, diagrams, link etc.
6. At Mexico meeting, the task force reviewed the categorisation assigned to chapters according to its relevance to the core areas of agriculture water management, irrigation and drainage and agreed with the prioritisation given in the table (*refer Annex 2*). The ICID Central Office has followed-up with the members and requested them to discuss the issue within their respective WG on the assigned chapters and provide feedback to the TF. The members were also requested to go through the relevant chapters to check the existing term definition, any new term/ pictures to be added and, any term(s) to be deleted. Members may like to provide their suggestions and discuss on the updation of MTD in respect of their WGs at the meeting.

TF-MTD Agenda Item 4: Translation of MTD in various local languages

7. During Mexico meeting, the TF noted that MTD is available in few languages which include English, French, Chinese, Japanese, Russian and Hindi (*partially*) that too with terms translated in different editions of English terms. Members are able to look into MTD in different languages through 'Members Login' section on ICID website, and option of language preference in all available languages (*Chinese English, French, Hindi (partially), Japanese and*

¹ This will also include details of membership of TF-MTD as **Annex**.

Russian). Members may like to discuss mechanism for translation of MTD in different languages with the support of NCs and members of different WGs once MTD is updated in English.

TF-MTD Agenda Item 5: Dissemination and maintenance of MTD

8. At Mexico, TF suggested ICID to get an e-version of other language versions of the MTD and upload it on the ICID website for its wider use and dissemination. Members may note that registered members can login the website <<http://www.icid.org/ximlogin/login.php>> and download/ search the technical terms related to their interest in the languages of English, Chinese, French, Japanese, Russian and Hindi (partially).

TF-MTD Agenda Item 6: Organization of online / WebEx meeting

9. After discussions, the task force proposed to organize a virtual meeting of the TF to discuss the issue of updation of MTD. Accordingly, the ICID Central Office in consultation with the Chair invited members of the Task Force to select a suitable date/ time through DOODLE POLL for organizing an online WebEx meeting in March 2018. Due to lack of response, in consultation with the Chair, the ICID CO has once again followed with the members to organize a WebEx meeting in May 2018 however, due to very few responses received through DOODLE POLL, Chair VPH Ding Kunlun has suggested to cancel the WebEx meeting and decided to hold face-to-face meeting at Saskatoon, Canada.

TF-MTD Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Attendance of member at 2017 meeting

Sr. No.	Members	Member from	2017		Remarks
			Self	Contributed by mail	
1.	VPH Dr. Ding Kunlun, Chair (China)	2017	•	•	
2.	Ms. Mary Jean M. Gabriel, Chair, WG-IDM (South Africa)	2017	•		
3.	Dr Yu-Chuang Chang from WG-IOA (Chinese Taipei)	2017	•		
4.	Dr. A.K. Randev, Chair, WG-SON-FARM (India)	2017			
5.	Mr. Bernard Vincent, Chair, WG-SDRG (France)	2017	•		
6.	VP Ian Makin, Chair, WG-M&R (Sri Lanka)	2017			
7.	Representative of FAO				
8.	Representative of IWMI				
9.	Representative of ADB				



Priority wise listing of MTD Chapters

Category 1	Category 2	Category 3
(5) Head works; (WG-IDM)	(2) Hydrology; WMO, UNESCO, IAHS	(1) General (statistics, units etc.);
(6) Design of irrigation canals; (WG-IDM)	(3) River hydraulics;	(4) Reclamation;
(7) Canal structures; (WG-IDM)	(10) Pumping stations (lifting devices);	(14) Construction materials;
(8) Project water management; (WG-IDM)	(18) Soil and water conservation;	(15) Construction techniques and equipment;
(9) Wells and drilling;	(22) Systems analysis;	(19) Environmental impacts;
(11) Irrigation systems and distribution of irrigation waters; (WG-IOA)	(24) Project planning;	(21) Computer technology;
(12) On-farm water management; (WG-SON-FARM)		(23) Hydraulic research;
(13) Design and construction of drainage systems; (WG-SDRG)		(25) Climate change
(16) Automation in irrigation, drainage and flood control systems; (WG-M&R)		
(17) Operation, maintenance and management; (WG-M&R and IDM)		
(20) Flood control; (WG-CAFM)		



**AGENDA FOR THE 3RD MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO 8TH WORLD WATER FORUM (TF-WWF8)**

14 August 2018, 17.00-18.30 hours
Saskatoon, Saskatchewan, Canada

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2018

Mandate: (a) To provide overarching lead role on behalf of ICID in monitoring and pushing forward the actions set in IR (Implementation Roadmap) and for inputs to 8th WWF by liaising with the National Committees and Workbodies; (b) To liaise with Brazilian National Committee (ABID) for preparatory work of 8th WWF; (c) To liaise with 8th WWF Program Committee and other International Bodies, especially FAO; (d) To regularly report to the IEC of the developments in the preparatory works leading to 8th WWF and recommend ICID inputs for consideration in 67th IEC; (e) To entertain activities to promote ICID's visibility in World Water Council.

TF-WWF8- Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the Task Force at its last meeting held at Mexico in October 2017.
2. No new nominations have been received for the membership of the TF. The membership of the WG is given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

TF-WWF8- Agenda Item 2: A brief report of various sessions where ICID represented during 8th World Water Forum, March 2018, Brasilia, Brazil

3. **The 8th World Water Forum-** the world's largest water event- was successfully organized from 18-23 March 2018 in Brasilia, Brazil with over 8,000 participants and 40,000 visitors from around the world. More than 10 Heads of State, including the President of Brazil H.E. Michel Temer; President of Hungary H.E. János Áder; President of Senegal H.E. Macky Sall; South Korean Prime Minister H.E. Lee Nak-yeon, alongside CEOs of fortune 500 companies, among many others attended the mega event to participate in high-level panel meetings and several sessions to discuss the future of water security for the next three years. With more than 200 sessions, thousands of attendees came together to find solutions to the world's impending water crisis, which had "Sharing Water" as its overarching theme. Held in the southern hemisphere for the first time, the event witnessed ICID participation through various technical sessions, meetings, side events and was represented by President Felix B. Reinders, Secretary General A.B Pandya, Brazil National Committee members, and several other stakeholders.

4. **World Water System Heritage (WSH) Recognition** - An exclusive Award ceremony jointly organized by ICID and WWC to recognize three water management systems selected under the World Water System Heritage (WSH) program was organized during the opening ceremony on 19 March 2018 at the WWC Pavilion. The recognized systems selected by the International Panel of Judges include: (i) The Genbegawa Irrigation Canal System, Japan; (ii) Sekikawa Suikei Land Improvement District, Japan; and (iii) Sheikh-Bahaai Water Allocation Scroll, Iran. Citation Plaque and Certificate were presented to the representatives by Prof. Benedito Braga, President, WWC and President Reinders, ICID. The WSH Program aims at identifying and preserving the people-centred water management systems, organizations, regimes and rules as intangible water heritage considered as outstanding value to humanity and giving them recognition.

5. **Technical Sessions under the theme 'Development – Water for Sustainable Development'** - The Thematic Process that organizes discussions and debates on a variety of themes relating to water security challenges and lessons witnessed ICID's involvement in various sessions linked to "Water for Food Security" under the theme 'Development–Water for Sustainable Development'. ICID used the opportunity to demonstrate the impact of its multi-stakeholder partnership on improving the way the world manages its water resources technologies — giving attention to diverse perspectives on critical water and food security issues. The objective was to contribute to the outcomes of the Forum in support of the implementation of the 2030 Agenda /SDG's, and to ensure continuity towards the Forums to come.

¹ This will also include details of membership of TF as **Annex**

6. In some of the important sessions and side events wherein ICID participated to learn from others, meet with global partners and share knowledge, best practices and new technologies were -

7. **Technical Panel - Session on Farming for ecosystem services:** Can farmers save rivers and still make a profit? The session under the theme 'Ecosystems' was organized on 23 March 2018. President Reinders gave a presentation on the topic that highlighted the policy frameworks and management tools to integrate profitable small and large-scale farming practice with ecosystems functions related to water and improved catchment management that is consistent with SDGs 2, 6 and 15 (Hunger, Water and Sanitation, Life on land).

- (a) **Technical Panel Session on Soil and Water Conservation Practices for Improved Food Production:** Secretary General Pandya participated in the session organized on 20 March 2018. It included case studies, as well as discussion on ways to successfully introduce and implement effective tools and techniques for disseminating information and technology on improving soil and water conservation practices and availability of water in the river basins.
- (b) **Side Event – Water Accounting (Includes FAO publication launch) -** UN Food and Agriculture Organization (FAO) invited ICID President to be a part of a side event on Water Accounting (WA) under the theme 'Sharing' on 21 March 2018. The FAO White Paper was presented on "Water accounting for water governance and sustainable development". The publication is the outcome of the WWC member initiative on Water Accounting to which ICID contributed significantly. Other WWC-members involved in the initiative were International Water Management Institute (IWMI), University of Nebraska Daugherty Water for Food Institute (DWF), UNESCO Institute for Water Education (UNESCO-IHE) and the UNESCO World Water Assessment Program (UNESCO-WWAP).
- (c) **Special Session - WASAG -** The ICID is a partner in the Global Framework on Water Scarcity in Agriculture and member of Interim Steering Committee (ISC) of WASAG. The special session organized on 22 March 2018 brought together the partners and stakeholders of the Global Framework on Water Scarcity in Agriculture (WASAG) led by FAO. Additionally, WASAG Working Group meetings on 'Sustainable Agriculture Water Use' and 'Communication Strategy' were also held in which ICID is a member. Dr. Marco Arcieri (ITALICID) represented ICID at the WASAG Partners and the 6th ISC Meeting.

TF-WWF8- Agenda Item 3: Closure report of the Task Force

8. TF-WWF8 was constituted in 2015 to guide ICID inputs to WWF8 and has successfully completed its mandate. In view of successfully completing its mandate, it is recommended to close the Task Force.

TF-WWF8- Agenda Item 4: Establishment of new TF-WWF9 and its mandate

9. As an important outcome of the TF-WWF8, ICID had organized various technical sessions and contributed to the 8th World Water Forum. Therefore, it is recommended that a new Task Force be established for 9th World Water Forum with new composition. The new Task Force should take charge of an additional role to monitor the performance of and push forward the actions in collaboration with NCs and WGs as well as other relevant organizations including FAO.

10. At the closing ceremony of the WWF8, Senegal received the flag of the WWC as the host country of the 9th World Water Forum to be held in 2021 on the theme 'Water security for peace and development'. The Chair will present the new mandate for the TF-WWF9 together with guidelines for future actions.

SUPP: Dr. Amgad Elmahdi (Australia) vide email of 19 July has informed that he supports the establishment of TF-WWF9 and proposed to include SDGs in the agenda of the new task force.

TF-WWF8- Agenda Item 5: Any other business

11. President Felix Reinders and Secretary General Ashwin Pandya express their profuse thanks to Chair PH Chandra Madramootoo for his untiring follow up to complete the mandate of the TF-WWF8, successfully.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Attendance of member at 2016 and 2017 meetings

Sr. No.	Members	Member from	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1	PH Dr. Chandra Madramootoo, Chair (Canada)	2015	•	•	•	•	
2	PH Dr. Bart Schultz (Netherlands)	2015	•	•	•	•	
3	VPH Dr. Shinsuke Ota (Japan)	2015		•	•	•	
4	VPH Dr. Bong Hoon Lee (Republic of Korea)	2015		•			
5	VPH Laurie C. Tollefson (Canada)	2015		•			
6	Dr. Somkiat Prajamwong (Thailand)	2015					
7	MXCID representative (Mexico)	2015	•	•	•		
8	Ing. Helvecio Mattana Saturnino (Brazil)	2015		•			
9	Mr. Ali Reza Salamat (Iran)	2016	•	•	•	•	
10	Dr. Amgad Elmahdi (Australia)	2016		•			
11	Mr. Anuj Kanwal (India)	2016	•	•			
12	Mr. Alaa Turki Khudhair Al-Masoodi (Iraq)	2016		•			
13	Mr. Waleed Kh. Qassim Alhadidi - Young Professional (Iraq)	2016					
14	VPH Dr. Ding Kunlun (China)	2017			•	•	
15	Mr. Ijsbrand H. de Jong (The World Bank)	2017					
16	Secretary General, ICID – Member Secretary	2015			•		



**AGENDA FOR THE FIRST INFORMAL MEETING OF THE
WORKING GROUP ON VALUE ENGINEERING (WG-VE)**

14 August 2018: 13:30-15:00 hours (Session-I)

14 August 2018: 15:30-17:00 hours (Session-II)

Saskatoon, Saskatchewan, Canada

Strategy Theme: Knowledge

Presented by the Chairman

WG-VE Agenda Item 1: Action Taken Report by Chair

1. The Chair will present report on the actions taken on the decisions and proposals for the task force at its last meeting held at Mexico City, Mexico in October 2017.

2. ICID-Chinese Taipei Committee (CTCID) has nominated Dr. Yawen, Cheh (Chinese Taipei) for the membership of the WG-VE. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (refer electronic version for latest list). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-VE Agenda Item 2: Introduction of the Scoping Document for a new WG

3. The Task Force on Value Engineering (TF-VE) concluded its activities in 2016 after completion of its mandate. PCTA in its meeting at Chiang Mai (2016), Thailand extended the term of the TF by one year till 2017 and requested TF to develop a scoping document for a new WG with new mandate. In this regard, TF Chair Dr. Emami presented the Scoping Document (SD) with the revised mandate for a new Working Group on Value Engineering (WG-VE) during the Mexico (2017) meeting. TF Chair will further share the scoping document for a new WG during the informal meeting of the task force at Saskatoon, Canada in August 2018. The revised mandate of the new working group is as follows:

4. New mandate for a new WG:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups.
- (b) To provide guidance to compile, publish, update and/or translate documents on Value engineering projects (irrigation, drainage, flood management, and river engineering);
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic;
- (d) To organize seminars at ICID Congresses and meeting to enhance awareness of importance of Value Engineering;
- (e) To prepare a paper on “Application of Value Engineering in Irrigation and Flood Projects” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on Application of Value Engineering in Irrigation and Flood Projects”.
- (g) To encourage member countries to produce papers on Value Engineering case studies

5. The scoping document will be finalized during the meeting and will be put up to PCTA/IEC for its approval of establishing the new WG. After finalization of the Scoping Document, it would be circulated among the NCs to ascertain their interest and nominating suitable professionals for the WG.

WG-VE Agenda Item 3: Workshop in August 2018 at Saskatoon, Canada in August 2018

6. The TF proposed to organise a Workshop on “Application of Value Engineering in Irrigation and Flood Projects” during the 69th International Executive Council (IEC) meeting and International Conference in August 2018 at Saskatoon, Canada. Keeping in view the interest from large number of WGs to organize workshops during Canada meeting and limited number of slots available to accommodate these workshops, ICID CO has suggested to organize a joint workshop of some WGs including TF-VE, if possible and WGs were requested to submit Expression of Interest for International Workshop during the 69th IEC Meeting in Canada. In response, Dr. Emami vide his email dated 23 May 2018 indicated to organise a half-day workshop and call for papers has been circulated to all NCs on 6 June 2018. Chair will provide further updates during WG meeting.

WG-VE Agenda Item 4: Publication of the TF-VE

7. At Mexico (2017) meeting, it was decided that TF would bring out a publication entitled 'Value Engineering Applications in Irrigation, Drainage and Flood Projects' and the publication would include case studies on value engineering of irrigation projects from different regions including five case studies from Japan presented during the Mexico meeting. TF Chair Dr. Emami informed in May 2018 that publication is almost in final stages and would be shared with ICID CO for final editing and formatting. TF Chair would provide further updates in the meeting. In June 2018, TF Chair Dr. Emami has submitted the draft version of the TF publication to ICID Central Office for final editing, & formatting and circulation to NCs and Members of TF for their suggestions/views, if any. ICID CO is formatting and editing the document of the TF publication thereafter it will be circulated to the NCs/Members of the TF for reviewing prior to bringing out an e-publication for wider disseminating and uploading on the website. WG Chair may apprise the members about the e-publication of the publication of the TF during the meeting.

WG-VE Agenda Item 5: Dissemination of information - Website

8. Four presentations i.e. (i) Training Workshop for Young Professional entitled "Value Engineering : An Effective and Efficient methodology for Enhancing irrigation, drainage and flood management projects"; (ii) Films on introduction to Value Engineering; (iii) Value Engineering for Unbiased Design; (iv) Case studies of VE in irrigation projects in Japan made by the members of TF during the meeting at Mexico have been uploaded on the TF website (<http://tf-ve.icidonline.org/>). During the TF meeting at Mexico, Chair requested the members to provide interesting articles, material, document, reports, presentations etc. related to the activities of the TF for uploading the TF website to enrich contents on the TF website. Members may like to discuss and evolve methodology for sharing of information and updation of TF website.

WG-VE Agenda Item 6: Closure Report and Scoping Document with revised mandate for a new WG

9. During the last meeting, TF Chair Dr. Emami presented a Closure Report of the TF and updated Scoping Document (SD) with the revised mandate for a new Working Group on Value Engineering (WG-VE). PCTA in its meeting held on 13 October 2017 at Mexico advised to circulate scoping documents to all the NCs to seek their interest. ICID Central Office requested TF Chair to share the Closure Report for records & uploading on the TF website and the Scoping Document with the revised mandate of new WG on VE for circulating to the members of the TF and the NCs for their views/comments and nominating members for WG. Scoping document and closure report is still awaited. Chair will provide further updates in the meeting.

WG-VE Agenda Item 7: Any other business

10. Workshop on Value Engineering in Iran: TF Chair Dr. Kamran Emami organised a training workshop on Value Engineering (V) on 8 March 2018 for a team of 25 young professionals engaged in the water and agriculture sector from the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) of Technical University of Cologne, Germany; Agricultural Sciences and Resource Management in the Tropics and Subtropics (ARTS) of the University of Bonn, Germany and Environmental Science Research Institute of the Shahid Beheshti University Tehran, Iran. TF Chair would provide further details and outcome of this workshop during the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Attendance of members in 2016 and 2017

Sl. No.	Members	Member From (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Kamran Emami, Chairman (2013) (Iran)	2012	•		•		
2.	Mrs. Remziye Yildiz Gulagaci, Vice-Chairman (2013) (Turkey)	2013	•				Contributed by e-mail in 2016
3.	Ir. Nor Hisham M. Ghazali, Secretary (2013) (Malaysia)	2013	•		•		
4.	Mr. Francois Brelle (France)	2013		•			Contributed by e-mail in 2016
5.	Mr. Suman Sijapati (Nepal)	2014	•		•		
6.	Dr. Toshihiko Kuno (Japan)	2014	•		•		
7.	Dr. Vijay K. Labhsetwar, ICID Central Office	2012		•	# ¹		

B. New Nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1.	Dr. Yawen, Chueh	Chinese Taipei	Recommended as member, subject to his presence else provisional member



¹ Through representation

**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

15 August 2018, 09.00-10.30 hours
Saskatoon, Saskatchewan, Canada

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2016

Extended the completion of the Mandate: 2022

Mandate: (a) On-farm irrigation structures and water distribution system networks are properly designed, installed, managed and maintained; (b) Soil moisture is monitored, technical and management measures for enhancing the water infiltration and retention capacities of soils are investigated and implemented; (c) Trade-offs among on-farm irrigation technologies, socio-economic and environmental benefits are optimized; (d) Innovative local institutional arrangements are developed and promoted for operation and maintenance; (e) Top-notch scientific and development relevant research is conducted and its results are translated into actionable recommendations.

Website: <http://wg-on-farm.icidonline.org/>

WG-SON-FARM Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.
3. The Egyptian National Committee (ENCID) has nominated Dr. Ibrahim Mohamed Mahmoud while Prof. LB Roy, Direct Member (India) has nominated himself for the membership of the group. Mr. Hassan Shantia (Iran), Dr. Abraham Mehrai Haile (The Netherlands), Dr. Dickson Ahagbuje (Nigeria), Mr. Muhammad Tahir Anwar (Pakistan), Dr. Zhang Guohua – Young Professional (China), Mr. Suhad Jassim Obeed (Iraq), Mr. Hussein Shanan Abid – Young Professional (Iraq) have not contributed to the activities of the group during last two years. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-SON-FARM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable on-farm irrigation

4. At Mexico meeting, the group keeping in view the revised scope and mandate and availability of resources for achieving various activities modified the Road Map (refer **Annex 2**). As a part of action plan, WG successfully organized the internal workshop during Mexico meeting and received six papers. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.
5. Accordingly, in January 2018, the Central Office has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Similarly, the Central Office has also requested all members of WG to provide

¹ This will also include details of membership of WG as **Annex**

updates on the action taken by them on the assigned task. WG Chair will provide further updates at the meeting on the status of action points identified under various strategies for action.

WG-SON-FARM Agenda Item 3: Collection and collation of micro and sprinkler data

6. At Mexico, the Chair encouraged members to access the website and provide the updated information in respect of data pertaining to their countries so that the datasheet of Sprinkler and Micro Irrigation can be updated regularly. The updated table of total sprinkler and micro area (in descending order) is available at <http://www.icid.org/sprinklerandmicro.pdf>. The ICID CO has followed-up with the members/ NCs and encouraged them to provide the latest information. Chair will provide further updates at the meeting and members will discuss status of micro and sprinkler irrigation in different regions/countries.

WG-SON-FARM Agenda Item 4: Publications of the working group

WG-SON-FARM Agenda Item 4.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”

7. At Mexico, the group noted that article “Improvement of the on-farm irrigation systems using simple water control, measuring and application devices” was under final stage for possible publication in the ICID Journal. The group may discuss present status of article and actions required for its early completion.

WG-SON-FARM Agenda Item 4.2: Paper on “Micro irrigation for smallholders and greenhouses”

8. During Mexico meeting, the members noted that the paper “Micro irrigation for smallholders and greenhouses” was under final stage for possible publication in the ICID Journal. The finalization of the paper is pending for the last two years so the group may like to discuss about actions required for its completion.

SUPP: Mr. Carl Walters has informed that the technical paper titled “Farm Water Program: Using the Water Savings Calculator” authored by C. Norman; C. Walters; M. McFarlane; C. Nicholson; and D. Lawler has been published in the Special Issue of Irrigation and Drainage Journal in May 2018 and the abstract is available at <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ird.2246>.

WG-SON-FARM Agenda Item 5: Dissemination of activities of WG

WG-SON-FARM Agenda Item 5.1: Website of the group

9. The website of the working group <http://wg-on-farm.icidonline.org/> is fully updated with new membership list, agenda, minutes etc. During Mexico meeting, WG Chair encouraged all members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to scope of the WG to ICID Central Office for uploading on the WG website for wider dissemination. Accordingly, the ICID CO has followed-up with the members and requested them to share the articles/ documents related to the mandate of the group for uploading it on the WG’s website. Chair will provide further updates at the meeting and members will discuss about evolving mechanism for sharing of information.

WG-SON-FARM Agenda Item 5.2: Webinar/ Web based seminar

10. At Mexico, the group Chair noted the importance of the organization of the webinars and requested all members to suggest a few topics based on the mandate of the WG on which webinar can be considered. During the meeting, Dr. Graziano Ghinassi (Italy) had agreed to take lead in delivering a webinar. Accordingly, ICID CO’s follow-up and in response Dr. Ghinassi informed that he is ready organize the webinar in September 2018 as field trials are ongoing and results are awaited. The ICID CO further requested him to provide the title of the webinar along with a brief concept note on the topic and identify a suitable expert who can act as a panellist during the webinar and may assist him in answering the questions raised by the audience. Dr. Ghinassi will provide further updates at the meeting.

WG-SON-FARM Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

11. During Mexico meeting, the group discussed about updating of MTD and after discussion, the Chair encouraged members to undertake the review of the concerned terms depending on their domain of expertise and suggest changes / modifications and additions of new term(s), if any along with pictures, links and videos related to respective term(s). However, due to limited time, nominating a suitable professional for TF-MTD was not discussed by the group. The group may discuss issue of updation of MTD and nominate a suitable professional to represent WG in TF-MTD.

WG-SON-FARM Agenda Item 7: Joint Session of Strategy Theme On-Farm, August 2018, Canada

12. During Mexico meeting, the group successfully organized an internal workshop on the theme “Sustainable on-farm irrigation systems for higher crops’ productivity” with the objective to discuss and share the experiences and knowledge on on-farm irrigation for which about six papers were received.

13. At Mexico, the Terms of Reference (TOR) of Sub-Committee on Themes, Topics and Work Plans for Future ICID Events (SC-E-THEMES) had been revised to make the WG meetings/ sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of work bodies with areas of common interest or holding webinars, etc. The SC-E-THEME during its meeting on 10 April 2018 suggested to make the meetings of the WG more-lively and reduce overall duration of the ICID events and suggested to explore possibility of organizing joint session of WG under strategy theme ON-Farm. Accordingly, it is proposed to organize a Joint Session of three WGs under Strategy Theme On-Farm on 15 August 2018 in Canada during 69th IEC. WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI (earlier PQW) falls under the theme ‘ON-FARM’. In this respect, 1st online WebEx meeting to organize a Joint Session of Strategy Theme On-Farm is being organized on 7 June 2018.

WG-SON-FARM Agenda Item 8: Organization of 9th International Micro Irrigation Conference, 16-18 January 2019, Aurangabad, India

14. The Indian National Committee on Surface Water (INCSW) is organizing the 9th International Micro irrigation Conference (IMIC) from 16-18 January 2019 in Aurangabad, Maharashtra, India on the theme ‘Micro Irrigation in Modern Agriculture.’ The 9th IMIC will bring interesting and thought-provoking topics and speakers at the conference. Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India has set up organizing committee, technical and scientific committee and steering committee with representation from ICID for organizing 9MIC. ICID is nominating few members of the WG in the technical and scientific committee which is mandated to finalize technical sessions, list of speakers, keynote speakers, programme etc. The Technical and scientific committee held its first meeting on 15 May 2018 deliberated on sub-themes and slightly modified these to take care of some specific issues. The modified sub-themes of the conference are - (i) Micro Irrigation Design, Innovations and New Techniques for Increased Crop Productivity; (ii) Financing of Micro Irrigation; (iii) Micro Irrigation for Cluster Level Farming and Smallholder Farmers and (iv) O&M Services and Capacity Development for the Micro Irrigation Systems. Abstract can be submitted directly to INCSW by accessing the link <https://imic2019.ivyleaguesystems.com/login/>. The last date for submission of synopsis/ abstract is kept as 30 June 2018 while submission of full-length paper is 30 September 2018. WG will provide technical guidance for organizing the above conference. Members are requested to actively contribute to the 9th IMIC by submitting abstracts/ papers to the conference. INCSW representative will provide further updates at the meeting.

WG-SON-FARM Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Annex 1 [Appendix XXIII, Item 1]

A. Members of the working group at 2016 and 2017 meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. A.K. Randev, Chairman, 2016 (India)	2015	•	•	•	•	
2.	Mr. Carl Walters, Vice Chair, 2016 (Australia)	2015	•	•	#	•	
3.	Mr. Suman Sijapati, Secretary, 2016 (Nepal)	2015	•	•	•	•	
4.	Dr. Graziano Ghinassi (Italy)	2015		•	•	•	
5.	Mr. Hassan Shantia (Iran)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
6.	Dr. Abraham Mehari Haile (The Netherlands)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
7.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015		•			
8.	Dr. Akira Iwamoto (Japan)	2015	•		•		
9.	Dr. Chen, Ching-Tien (Chinese Taipei)	2015	•	•	•	•	
10.	Dr. Dickson Ahagbuje (Nigeria)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
11.	Mr. Bashu Dev Lohanee (Nepal)	2015	•	•	•		
12.	Dr. Hossein Dehghanisanij (Iran)	2015	•		•	•	
13.	Mr. Muhammad Tahir Anwar (Pakistan)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
14.	Mr. S.P. Jadhav (Direct Member), JISL (India)	2015		•			
15.	Mr. Siboniso Phillip Mkhalihi (South Africa)	2015			•		
16.	Mr. Ömer Faruk Akbulut (Turkey)	2015	•	•	•		
17.	Mr. Yao Bin (China)	2016			#		
18.	Dr. Zhang Guohua, Young Professional (China)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
19.	Prof. Chang Eon Park (Korea, Rep. of)	2016		•	•		

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
20.	Eng. S. Mohanarajah (Sri Lanka)	2016		•		•	
21.	Mr. Suhad Jassim Obeed (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
22.	Mr. Hussein Shanan Abid Al-Hussein, Young Professional (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
23.	Secretary General, ICID						
	Observers/ Permanent Observers						
(i)	Mr. Sher Singh (India)						
(ii)	Mr. M.S. Sudhakar (Direct Member), JISL (India)						
(iii)	Mr. Abijit Joshi (Direct Member), JISL (India)						
(iv)	Dr. Jano Anter (Germany)						
(v)	Mr. Bruno Molle (ISO)						
(vi)	FAO Representative						

B. New nominations received from the National Committee/ Direct Member

Sl. No.	Name	Country	Remarks
1	Dr. Ibrahim Mohamed Mahmoud	Egypt	Recommended as member, subject to his presence else provisional member
2	Prof. LB Roy – Direct Member	India	Recommended as member, subject to his presence else provisional member



Annex 2 [Appendix XXIII, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A1.Strategy: Modernizing irrigation systems	1.3 Prepare country overview papers	Papers	Prepare two country overview papers	Prepare one country overview paper	Prepare two country overview papers		
A5.Strategy: Supporting water productivity enhancement	5.1 Prepare how to do thematic documents ready	Technical Document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document
	5.2 Develop a position paper on key issues on sustainable on-farm irrigation systems	Position paper	Prepare first draft paper	Finalize the position paper	Prepare second draft paper	Finalize the position paper	
Goal C: Facilitate exchange of information, knowledge and technology							
C3.Strategy: Promoting regional cooperation	3.9 Organize international workshop, seminar or symposium	Compilation of proceedings	First internal Workshop	Organization of the 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India	Hosting of 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India	Second workshop	Third workshop
C4. Strategy: Compile, collate and share knowledge and experiences	4.20 Database on sprinkler and micro irrigation in the world	Database	Updating database	Updating database	Updating database	Updating database	Updating database
	4.27 Research article on state of the art for publication in Irrigation and Drainage Journal	Study report	Prepare one article	Publication in Journal	Prepare one article	Publication in Journal	Prepare one article
Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices							
E2. Strategy: Strengthening Extension Services with AWM information							
E5.Strategy: Compilation of Global Data Sets on Irrigation and Drainage	5.1 Datasets for irrigated area	Database	Updating database	Updating database	Updating database	Updating database	Updating database
	5.2 Datasets for Pressurised Irrigation Systems	Database	Updating database	Updating database	Updating database	Updating database	Updating database

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



APPENDIX XXIV [PCTA Item 8.2]

**AGENDA FOR THE 11TH MEETING OF THE
WORKING GROUP ON WATER AND CROPS (WG-WATER & CROP)**

15 August 2018, 11:00-12:30 hours
Saskatoon, Saskatchewan, Canada

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2007

Completion of the Mandate: 2019

Mandate: To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

Website: <http://wg-crop.icidonline.org>

WG-W&C Agenda Item 1: Action Taken Report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals made at its last meeting held at Mexico City, Mexico in October 2017.

2. ICID CO, vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries, suggested that the work bodies could make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. However, no virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.

3. Egyptian National Committee on Irrigation and Drainage (ENCID), Japanese National on Irrigation and Drainage (JNC-ICID) and ICID-Chinese Taipei Committee (CTCID) have nominated Prof. Dr. Zeinab Hussien Behairy (Egypt), Dr. Tasuku Kato (Japan) and Dr. Chung-Feng, Ding (Chinese Taipei), respectively, for the membership of the WG. Prof. Dr. Mohd Amin Mohd Soom (Malaysia), Mrs. Gao Hong (China) and Prof. Dr. Allah Bakhsh (Pakistan) have not contributed to the activities of the group during last two years. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting. The Chair may provide further updates at the meeting.

SUPP: The Japanese National Committee (JNCID) vide email of 13 July 2018 has withdrawn the nomination of Dr. Tasuku Kato (Japan) from the membership of WG.

Japanese National Committee (JNCID) vide email of 27 July 2018 nominated Dr. Kazumi Yamaoka (Japan) for the members of WG-WATER & CROP.

WG-W&C Agenda Item 2: Road Map to ICID Vision 2030: Activities on efficient use of water in crop production

4. At Mexico meeting (2017), the group reviewed the Action Plan for WG-WATER & CROPS keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). In February 2018, ICID CO has followed-with the members and requested them to take action to achieve the **Goal A:** Enable higher crop productivity with less water and energy (*1.1/5.3 Develop guidelines on efficient use of water in crop production*); **Goal C:** Facilities exchange of information, knowledge and technology (*3.2 International workshop/seminar on 'Improving Water Productivity in the framework of Water Energy Food Nexus'*) of the Road Map to ICID Vision 2030. Chair Dr. Ragab has also requested the members of the group to send their comments/suggestions, if any, to achieve the outcome of the strategies for the WG.

¹ This will also include details of membership of WG as **Annex**

5. The 68th International Executive Council (IEC) Meeting encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting and update the Annex 2 as per the new developments.

6. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting and WG members will deliberate on evolving monitoring mechanism for achieving milestones in the action plan.

WG-W&C Agenda Item 3: Multi-functionality of water uses in paddy (Rice) cultivation

7. During the Mexico meeting (2017), the WG decided to finalise a ‘Technical Report’ based on papers contributed by its members in areas such as : (a) efficient use of water in crop production, (b) crop water models, (c) multifunctional water use in paddy, and (d) rainfall harvesting and energy crops.

8. While National Committees of China, Indonesia and Philippines have already contributed their papers for the ‘Technical Report’ of the group, the ICID Central Office requested the members/NCs from Korea, Thailand, and Taiwan to contribute their papers in the area of ‘Multi-functionality of water use in paddy (Rice) cultivation’ in their countries for enriching the ‘Technical Report’ of the working group. However, the reports from Dr. Graziano Ghinassi (Italy) and Dr. Leon van Rensburg (South Africa) is still awaited. While Dr. Chung-Feng, Ding through Dr. Hsiao-Wen Wang (Taiwan), Prof. Won-Ho Nam (Korea) and Mr. Chalearmkiat Kongvichenwat (Thailand) have also shown interest, their contributions are also awaited. The Chair may provide further updates at the meeting.

WG-W&C Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

9. The WG discussed (2017) the updation of the MTD and nominated Dr. P. Soman (India) as a nodal person to undertake the task of reviewing and updating the terms of MTD. In February 2018, ICID CO has requested. Dr. Soman to take a lead in the activity of updating Multilingual Technical Dictionary (MTD). Dr. Soman and WG Chair may like to update the members with the latest status in the matter. The Chair may provide further updates at the meeting.

WG-W&C Agenda Item 5: International Workshop in August 2018 at Saskatoon, Canada

10. During the Mexico meeting (2017), the WG decided to organize an International Workshop on revised titled ‘*Improving the Water Productivity within the Water-Energy-Food-Nexus*’. However, since the Sub-theme-1: ‘Competing Water Demands’, 1.3 Water-food-energy nexus; of the International Conference at Saskatoon, Canada focuses on the same topic, the Chair in consultation with Vice Chair Laurie Tollefson decided to differ the workshop to Bali meetings in 2019. The Chair may provide further updates at the meeting.

WG-W&C Agenda Item 6: ICID-IWRA Collaboration

11. At Mexico meeting (2017), the WG discussed the issue of joint activities with International Resource Association (IWRA), such as - (i) organizing joint Seminars, and (ii) bring out a Special Issue of the Journal based on selected papers from the WG workshop/seminars, possibly with financial support from IWRA. The Chair may provide further updates during the meeting.

WG-W&C Agenda Item 7: Publications of the Working Group

12. The group may consider to publish a few selected papers from the past International Workshops (2013 and 2015) of the WG for publication in the ICID Journal. Chair may apprise the members in the meeting

WG-W&C Agenda Item 8: Disseminate of activities of WG

WG-W&C Agenda Item 8.1: Website of the Group

13. At Mexico meeting (2017), the group noted that the website of the working group <http://wg-crop.icidonline.org> was updated with new membership list, agenda, minutes, events, etc. Chair Dr. Ragab encouraged and requested the members of the WG to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. In response, Dr. K. Yella Reddy (India) is expected to provide the soft copies

of Policy briefs and Water education: schools and colleges from the 'ClimaAdapt Project' for uploading on the WG website. The Chair may apprise the members during the meeting.

WG-W&C Agenda Item 8.2: Web-based Seminar/e-discussions

14. During Mexico meeting (2017), WG discussed about organization of webinar to share vast knowledge and expertise available within the WG and members from the NCs. In this regard, the Chairman of the WG encouraged the members of the Group to use the platforms such as e-discussion, web-based seminars on the relevant topics based on the mandate of the WG. Accordingly, ICID CO has followed-up with the members and requested to suggest topics along with name of experts who can be consulted to deliver webinar. This has, so far, been not materialised. The members may deliberate and evolve a strategy to actually organize an e-discussion and/or webinar. The Chair may provide further updates during the meeting.

WG-W&C Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2016 and 2017 Meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Ragab Ragab, Chairman (UK)	2007	•		•		
2.	VPH Laurie C. Tollefson, Vice-Chairman (Canada)	2009	•		•		
3.	Dr. K. Yella Reddy, Secretary (2010) (India)	2009	•		•		
4.	Prof. Dr. Mohd Amin Mohd Soom (Malaysia)	2011					No contribution, recommended for discontinuation after Canada meeting if no contribution.
5.	Mrs. Gao Hong (China)	2012					No contribution, recommended for discontinuation after Canada meeting if no contribution.
6.	Dr. Marco Arcieri (Italy)	2014	•		•		
7.	Prof. Dr. Allah Bakhsh (Pakistan)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
8.	Ir. Adang Saf Ahmad (Indonesia)	2015	•		•		
9.	Dr. P. Soman (Direct Member), JISL	2015	•		•		
10.	Prof. Won-Ho Nam (Korea)	2017	•				
11.	Secretary General, ICID						
Permanent Observers							
1.	FAO representative						
2.	Mr. Herbert H. Van Lier, CIGR						
3.	Prof. D. Wrachien (Italy)						
4.	ICRISAT representative						
Observer							
1.	Mr. Syaiful Mahdi (Indonesia)	2015	•				

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Dr. Chung-Feng, Ding	Taiwan (Chinese Taipei)	Recommended as member, subject to his presence else provisional member
2.	Prof. Dr. Zeinab Hussien Behairy	Egypt	Recommended as member, subject to his presence else provisional member
3.	Dr. Kazumi Yamaoka	Japan	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-WATER & CROPS

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Resolution Lead Person
Goal A: Enable higher crop productivity with less water and energy							
Strategy 5: Supporting water productivity enhancement	5.3 Develop guidelines on efficient use of water in crop production	Guidelines	Outline of guidelines – introduction	Release the first draft guidelines	Finalise the draft guidelines	To publish it	Merge Item 5 and B1. Dr Marco Arcieri (Italy)
Goal B: Be a catalyst for change in policies and practices							
Strategy B1: Supporting Development of Appropriate Policies	1.13 Technical Report on Efficient Use of Water in Crop Production	Report	Prepare the first draft report for discussion	Release the second draft report	Finalise the draft report	To publish it	Dr Marco Arcieri (Italy)
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C3: Promoting Regional Cooperation	3.2 International Workshop/seminar on 'Improving Water Productivity in the frame work of Water Energy Food Nexus'	Workshop proceedings	Announcement of workshop	Organising Workshop in Canada	Publication of papers in the Special Issue of the Journal		VPH Laurie C Tollefson (Canada)
Goal D: Enable cross disciplinary and inter-sectoral engagement							
Strategy D2: Developing Technical Documents in Non-technical Language	2.2 Crop – Water- Energy Nexus	Technical Report		Workshop		Workshop	Dr K Y Reddy (India)
Goal E: Encourage research and support development of tools to extend innovation into field practices							
Strategy E2: Strengthening Extension Services with AWM information							Dr Nader Heydari (Iran)
Strategy E3: Developing and Promoting Tools of AWM	3.1 Support research and development of modelling tools	Development of suitable Models, Sensors, Tools for field use	Prepare action plan	Draft report on various developments	Consolidation and final report		Dr Ragab Ragab
Goal F: Facility Capacity Development							
Strategy F3: Technical Training of Young Professionals from Member countries	3.9 Training on Crop Water Models Aqua Crop	Conduct Training workshops	Training workshops		Training workshops		All Members are responsible.



APPENDIX XXV [PCTA Item 10, Para 38]

**AGENDA FOR THE INFORMAL MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

14 August 2018, 13.30-15.00 hours
Saskatoon, Saskatchewan, Canada

Strategy Theme: On-Farm

Presented by the Chair

Mandate (New): Please see under Item 1 below.

WG-NCWRI Agenda Item 1: Introduction of the new Working Group by the Chair¹

1. During 37th meeting of Permanent Committee for Technical Activities (PCTA) held at Mexico City in October 2017, the Committee noted that the Working Group on Use of Poor Quality Water for Irrigation (WG-PQW) has completed its mandate thereby concluding its activities. VPH Dr. Ragab (UK), in absence of regular Chair, presented the Scoping Document for the new Working Group on “Use of Non-Conventional Water Resources for Irrigation”, erstwhile WG-PQW. PCTA in its meeting recommended that a new WG can be approved subject to interest of at least 10 NCs to participate in the activities of the new WG and WG Chair may present the scoping document (**Annex 1**) with the revised mandate of the WG and interest of NCs, for PCTA/IEC approval during Canada meeting. The mandate of the new working group as included in the Scoping Document of the WG is as follows:

New mandate of the WG:

- (a) Exchanging knowledge, experience and data as well as networking on the topic in order to be up-to-date with new developments, methods and approaches.
- (b) Preparing comprehensive reviews and prospects with respect to different aspects of NCWR.
- (c) Producing technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water.
- (d) Organizing international workshops, seminars and meetings on the NCWR topic.
- (e) Producing documents on successful case studies with the new developments with respect to NCWR presented by the members from different countries.
- (f) Enlarging the membership of the WG by encouraging more member countries where the use of non-conventional waters is a common practice for irrigation management.
- (g) Finalizing the publication of a Technical Paper pending from the activities of the WG-PQW.

2. The Scoping Document for the new Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI) has been circulated to all the National Committees in January and May 2018 for their comments/ observations and inviting nominations for the new Working Group. In response, nominations of Dr. Muhammad Munir Ahmad (Pakistan), Dr. Mohamed Shaban M. Abu Salama (Egypt), Dr. Hussein Abdel Halim El Gammal (Egypt) have been received from the National Committees for the membership of the new WG-NCWRI. Also received nominations of Prof. Nicholas Dercas (Greece), Dr. Bourazanis Giorgos (Greece) from the Greece National Committee (Associate Member of ICID) for the membership of the new WG. The ICID Central Office has suggested the Greece National Committee (GRCID) to either to reactivate the membership or else join the ICID as Direct Member. However, response is awaited.

3. In addition, the ICID CO has contacted the existing members of the erstwhile Working Group on Use of Poor Quality Water for Irrigation (WG-PQW) and requested them to confirm their interest through their NC for continuation of their membership of new WG-NCWRI. In response, ICID CO has received consent to continue the membership for the new WG from Dr. Seung Heon Lee (Korea, Rep. of), Dr. Takanori Nagano (Japan), VPH Dr. Ragab (UK), Dr. Tapas Biswas (Australia), VPH Dr. Karim Shiati (Iran). The status of membership of the WG is given as **Annex 2**.

SUPP: The Japanese National Committee (JNCID) vide email of 13 July 2018 has nominated Dr. Tasuku Kato in place of Dr. Takanori Nagano for the membership of the working group.

4. Since the group had elected Dr. (Ms.) Anna Tedeschi (Italy) as Chair while Dr. Wenyong Wu (China) as Secretary of the WG, the experts/ professionals attending this informal meeting will choose a Vice Chair for the group and refine the scope of the WG, if necessary. The finalized mandate of the WG would then be presented by the Chair of the group to PCTA in its meeting on 16 August 2018 for approval by the PCTA/IEC.

¹ This will also include details of membership of WG as **Annex**

WG-NCWRI Agenda Item 2: Road Map to ICID Vision 2030 – Activities on non-conventional water resources for irrigation

5. During Mexico meeting, the WG finalised the Action Plan 2030 (Road Map to ICID Vision 2030) of the WG-NCWRI based on the new mandate by updating the activities on flood management issues (refer **Annex 3**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.

6. Accordingly, in January 2018, the ICID CO requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. WG Chair will discuss mechanisms to monitor the progress of identified activities under action plan.

7. Chair Dr. Anna Tedeschi (Italy) has informed that presentations of Dr. Takanori Nagaro (Japan) on "Measurement of soil salinity by hyperspectral reflectance of cotton leaves" and Dr. Wenyong (China) on "Pollution risk of organic pollutants for vegetable in reclaimed water irrigation" will be made during the Canada meeting.

SUPP: Dr. Takanori Nagano (Japan) has confirmed vide his email of 18 July that he will make a presentation in the meeting.

WG-NCWRI Agenda Item 3: Report of Special Session on Wastewater, October 2017, Mexico

8. During Mexico meeting, VPH Dr. Ragab provided a brief report of the Special Session on "*Irrigation techniques for reuse of wastewater in agriculture and its impact on health and environment*" organized during 23rd Congress wherein several guidelines on water treatment were presented in two sessions of Special Session during the 23rd ICID Congress. The Summary Report of the session is awaited from Dr. Jamie Collado (Mexico), the coordinator of the session.

WG-NCWRI Agenda Item 4: Discuss and develop work plan based on new mandate

9. The members present may deliberate on development of work plan based on new mandate and ICID Vision 2030.

WG-NCWRI Agenda Item 5: Joint Session of Strategy Theme On-Farm, 15 August 2018, Canada

10. The Sub-Committee on Themes, Topics and Work Plans for Future ICID Events (SC-E-THEMES) during its meeting at Mexico, suggested to make the WG meetings/ sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of work bodies with areas of common interest or holding webinars, etc. The SC-E-THEME during its virtual meeting on 10 April 2018 suggested to make the meetings of the WG more-lively and reduce overall duration of the ICID events and suggested to explore possibility of organizing joint session of WG under strategy theme ON-Farm. Accordingly, it has been proposed to organize a Joint Session of three WGs under Strategy Theme On-Farm on 15 August 2018 in Saskatoon, Canada. WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI (*erstwhile PQW*) fall under the theme 'ON-FARM'. In this respect, an online WebEx meeting of the Chairs/VC/Secretaries was organized on 07 June 2018 to develop a common agenda for the Joint Session of these WGs.

11. All members are requested to join the Joint Session and enrich the proceedings of the meeting

WG-NCWRI Agenda Item 6: Publication of the erstwhile Working Group

12. During the Mexico meeting, the group noted that due to non-availability of three papers, the Technical Paper of the WG is still pending for finalization. Accordingly, the Chair and ICID CO has followed-up with Dr. Biswas, Dr. Vincent and Prof. Rensburg to send the final papers as their contribution to the Chair.

13. WG Chair may further update the WG members.

WG-NCWRI Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

**WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

UPDATED SCOPING DOCUMENT

1. Introduction

1.1 With the rapid development of economy and the increasing growth of population, Shortage of fresh water becomes a global problem. Agriculture is the biggest water consumer nearly accounting for 70% of the total water supply worldwide. Use of Non-Conventional Water Resources for irrigation could meet such fresh water shortage. Non-Conventional waters consist of raw domestic/industrial wastewater, reclaimed water, agricultural drainage water, mining water, harvested rainwater, and brackish/saline groundwater. In many developing countries, a major part of the wastewater generated by domestic and industrial sectors is used for crop production in an untreated or partly treated form. The protection of public health and the environment are the main concerns associated with uncontrolled wastewater irrigation. In other words, the quality of the produced food, the consumer safety and the health of farm workers are of great concern. Other concerns include the salinity and heavy metal accumulation and pollution caused by nutrient leaching. In fact, secondary effluent contains dissolved solids, heavy metals, pesticides and pathogens that might jeopardize sustainable agriculture, groundwater quality, soil quality/ productivity and human health, however, the nutrients contained in such waste water are beneficial for agriculture up to certain concentrations.

It is very important to prevent contamination and reduce contamination risks for NCWRI, therefore, a set of techniques, policies and strategies must be considered in the process of planning, designing, operation and management.

1.2 Despite national water quality standards related to NCWRI released by some countries, there are no globally accepted guidelines or standards with respect to planning, designing, operation and management which is urgently needed for NCWRI.

1.3 The following aspects are of major importance for safety and efficient irrigation with non-conventional water resources:

- (a) Feasible plan at regional level to minimize soil and water contamination.
- (b) Election of tolerant plants especially when using saline/brackish water to obtain good economic yields and product quality.
- (c) Continuous monitoring and evaluation of irrigation practices to prevent environment degradation.
- (d) Learning and compiling successful experiences from different countries to help those who have no experience with the use of non-conventional water resources.
- (e) Enhancing quality standards and codes of practice for NCWRI to ensure safe and efficient use.
- (f) Formulating policies and regulations to encourage the use of NCWRI.
- (g) Ensure environmental and economic sustainability using non-conventional waters in particular for the countries where these waters are the only available resources.
- (h) Develop capacity building programme (workshops, seminars, visiting sites, etc.) to train the users of NCWRI.
- (i) Develop a programme to involve stakeholders and local water authorities.
- (j) Inclusion of governance and institution as well as the gender in the whole practice of NCWRI.
- (k) Contributing to the Water-Food-Energy Nexus adopted by ICID with NCWR at heart.

1.4 In this Updated Scoping Document the relevant aspects of each of these items will be reviewed, and the objectives, state of knowledge on the topic and work plan will be presented.

2. Objectives

2.1 Relevance of the NCWI working group

2.1.1 The relevance of the WG can be specified as follows:

- (a) The remit and mandate of NCWRI is relevant to the mission and purpose of ICID and promotes science and technologies in acquiring and managing non-conventional water resources for irrigation in developed and developing countries.
- (b) The use of NCWRI WG is expected to contribute to sustainable agriculture water management by using NCWR.

- (c) The use of NCWR is expected to improve food security, increasing food production, increasing water productivity and increasing irrigated land area.
- (d) NCWRI will be the key topic of most NCs to help alleviate global fresh water shortage.

2.2 Relevance of the NCWRI WG to the scope of the Thematic Area

- 2.2.1 NCWRI falls under ICID strategic theme of “On Farm” which is relevant to water management at field scale. NCWR WG will cover different aspects of “on farm” irrigation and drainage but with difference as management of NCWR requires different “on farm” management.
- 2.2.2 Technical and institutional solutions development may be required for promoting of non-conventional water resources for irrigation.
- 2.3 Existing gap that the Working Group is expected to fill
 - 2.3.1 Other ICID WGs that have related scopes of work are: WG-DROUGHT, WG- Water & Crops, WG-ON-FARM are mostly focused on fresh water availability while WG-ENV focuses on protecting the environment from the excessive use of fertilizers and agrochemicals.
 - 2.3.2 None of the WGs are presently mandated to study the issues related to safe and efficient use of NCWRI.
 - 2.3.3 The new WG was made aware of the activities of these WGs prior to the preparation of this Updated Scoping Document.
 - 2.3.4 The new NCWR WG will attract more members involved in the themes of NCWR as this area of science is wider than the previous area of poor quality water of the current WG.

3. State of knowledge on the topic

3.1 Other International Organizations that are working on the subject

- 3.1.1 There are several other International Organizations, Universities and institutes that have programs and activities on this topic. This especially concerns the:
 - (a) Food and Agriculture Organization of the United Nations (FAO);
 - (b) World Health Organization (WHO)
 - (c) International partnerships: World Water Council (WWC);
 - (d) Relative research institutes: Agricultural Research Organization of Israel (ARO); The Jacob Blaustein Institute for Desert Research (BIDR); U. S. Salinity Laboratory, ARS; Technical and Research Center of Suez Environment (CIRSEE); Commonwealth Scientific and Industrial Research Organization, Australia (CSIRO), Chinese Academy of Agricultural Sciences (CAAS), China Institute of Water Resources and Hydropower Research (IWHR), Beijing Institute of Science and Technology (BWSTI).
 - (e) Universities: Israel Institute of Technology (Technion); China Agricultural University (CAU); University of Western Australia (UWA); University of Ottawa (WO); Central Asian Research Institute of Irrigation (SANIIRI); Iowa State University (ISU); Islamic Azad University (IAU); Bahauddin Zakariya University (BZU); Central Soil Salinity Research Institute (ICAR-CSSRI); Wageningen University (WU); University of California Riverside (UCR); University of Utah (UT); University of Sydney (USYD); Alexandria University (AU); Michigan State University (MSU).

3.2 Mandate of the Working Group

3.2.1 Mandate of the Working Group can be formulated as follows:

- (a) Exchanging knowledge, experience and data as well as networking on the topic in order to be up-to-date with new developments, methods and approaches.
- (b) Preparing comprehensive reviews and prospects with respect to different aspects of NCWR.
- (c) Producing technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water.
- (d) Organizing international workshops, seminars and meetings on the NCWR topic.
- (e) Producing documents on successful case studies with the new developments with respect to NCWR presented by the members from different countries.
- (f) Enlarging the membership of the WG by encouraging more member countries where the use of non-conventional waters is a common practice for irrigation management.
- (g) Finalizing the publication of a Technical Paper pending from the activities of the WG-PQW.

- 3.3 How is the Working Group expected to collaborate with the other International Organizations?
- 3.3.1 International Organizations can contribute to the activities of the NCWRI WG by nominating Permanent Observers (PO). On the other hand, presentations of the work and achievements of the NCWRI WG can be presented at the events organized by International Organizations.
- 4. Work Plan**
- 4.1 Scope
- 4.1.1 The NCWR WG is planning to formulate recommendations through investigation, and knowledge exchange of new developments. The NCWRI-WG will be able to advise on:
- (a) Optimum planning and design of irrigation that safeguard the environment when using NCWR;
 - (b) Managing field crops by considering the type of crops that suit the NCWR, e.g. selection of salt tolerant crops for each water salinity level;
 - (c) Suitable techniques/treatments to improve irrigation water.
 - (d) Best irrigation strategies to avoid environment pollution;
 - (e) Matching irrigation systems for use with NCWR, e.g. anti-clogging and pressurized irrigation system;
 - (f) Monitoring & evaluation of soil and water environment;
 - (g) Standardization and codes of practice in design, operation and management.
- 4.1.2 A proposal for the six-year plan is show in **Appendix B**.
- 4.2 Target audience
- 4.2.1 The target audience for this working group will be managers of irrigation schemes, researchers, consultants, government officials, farmers/farmer's representatives, students, young professionals, agronomists, irrigation engineers, and staff of International Organizations working on the topic (e.g. FAO, IFAD, and WB).
- 4.3 Outputs
- 4.3.1 The following outputs can be expected from this WG:
- (a) Knowledge and experience exchange among representatives of NCs;
 - (b) Comprehensive review papers to be published in irrigation and Drainage (IRD) or ICID;
 - (c) Technical reports/supplements to IRD/ICID on successful study cases.
 - (d) ICID guidelines /recommendations on the use of non-conventional water resources for irrigation.
 - (e) Annual/bi-annual workshop, seminar and symposium to be held at the ICID events
 - (f) Developing and running capacity building program dedicated to the NCWR users.
- 4.4 Timelines
- 4.4.1 While use of non-conventional water resources for irrigation is a very important issue in light of its role in alleviation of global water shortage and support of global food production it is recommended that the term of this WG will be set at six years. The timeline would have to be based on the scope of work and the expected output. Details of the timeline would have to be formulated and refined during the inaugural meeting of the WG.
- 4.5 Collaborators and dissemination strategy
- 4.5.1 The NCWRI WG would strengthen links with relevant international organizations.
- 4.5.2 The NCWRI WG would promote collaboration among members and permanent observers from different NCs.
- 4.5.3 The media (Twitter, YouTube, Blogs, Facebook, Instagram, etc.) would be used for dissemination of the developments and approaches in this topic.



Appendix B to Annex 1, Para 4.1.2

SIX-YEAR PLAN

Item of Mandate	2018	2019	2020	2021	2022	2023	Actor(s)
Preparing Draft work plan and Mailing to Participants							Chair/Secretary
Comments incorporated in an Updated Work plan Document							Participants in informal meeting
Invitation sent to NCs for nominations and Information							Central office
Submission of nominations and information							NCs
1 st Meeting in Saskatoon, Canada							Members and PO*
Knowledge and experience exchange as a continuous activity							Members and PO*
Preparing review paper on the NCWRI to be published in IRD/ICID							Members and PO*
ICID guidelines on the use of waste water for irrigation. This activity will only be realized if the WG gets help from relevant Organizations such as FAO, IFAD, WHO							Some Members and invited participants
Capacity Building- Training Workshop							ICID-HQ to advertise
Organizing International workshop on 2019 on Water-Food-Energy Nexus - the case for NCWRI							Members, PO* and invited participants



A. Status of membership of the Working Group

Sl. No.	Members	Member from	Remarks
1	Dr. (Ms.) Anna Tedeschi, Chair (Italy)	2017	Confirmed to continue
2	Dr. Wenyong Wu, Secretary, 2017 (China)	2016	Confirmed to continue
3	Dr. Seung Heon Lee (Korea, Rep.of)	2017	Confirmed to continue
4	VPH Dr. Samia El-Guindy (Egypt)	1999	
5	VPH Dr. R. Ragab (UK)	1997	Confirmed to continue
6	VPH Dr. Karim Shiati (Iran)	1997	Confirmed to continue
7	Prof. Leon van Rensburg (South Africa)	2010	
8	Dr. Takanori Nagano (Japan)	2011	Replaced by Dr. Tasuku Kato
9	Dr. Tapas Kumar Biswas (Australia)	2012	Confirmed to continue
	Permanent Observers		
(i)	FAO representative		
(ii)	ICBA representative (UAE)		

B. New Nomination received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Dr. Muhammad Munir Ahmad	Pakistan	Nomination received
2.	Dr. Mohamed Shaban M. Abu Salama	Egypt	Nomination received
3.	Dr. Hussein Abdel Halim El Gammal	Egypt	Nomination received
4.	Dr. Tasuku Kato in place of Dr. Takanori Nagano	Japan	Nomination received



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Mileston e for Year 2021
GOAL A: Enable Higher Crop Productivity with Less Water and Energy							
A7. Strategy: Using Wastewater or Poor Quality Water for Irrigation	7.1 Compile best practices for sustainably managing and using non- conventional water resources	Case studies					
	7.2 Contribute to the establishment of national policy for re-use of treated wastewater in irrigation	Position Paper					
	7.3 Participate in research on the development of sewage	Guidelines					

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 3RD MEETING OF
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: (a) assessment of consumptive use of water for irrigation and resulting water balance at system level ; (b) water demand management according to available resource(s) and system capacity; (c) assessment of water loss in various components of irrigation systems, appraisal of water made available for another use downstream (non-consumptive); (d) ground water development and management for irrigation including conjunctive use of surface and groundwater in irrigation, artificial recharge of aquifers from canals "losses" and "excessive" irrigation; (e) water measuring methods and devices and relevant technology (flow rates and volumes); (f) drivers for and resistances at system level to improve irrigation management; (g) social issues to be considered along with technical and economical ones; (h) management of multi-use hydraulic systems, and interdependence between uses; (i) performance evaluation of irrigation schemes and benchmarking; (j) ways towards economical performance enhancement (cost reduction and efficiency improvement).

WG-IDM Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.
3. The Egyptian National Committee (ENCID) has nominated Eng. El Sayed El Yamani Ali Sarkees and Dr. (Ms) Eman Ragab Mohamed Nofal while Prof. LB Roy, Direct Member (India) has nominated himself for the membership of the group. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-IDM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on irrigation development and management

4. At Mexico meeting, the group keeping in view the revised scope and mandate and availability of resources for achieving various activities, the WG modified the Road Map and assigned certain tasks to its members (refer **Annex 2**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.
5. Accordingly, in January 2018, the Central Office has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Similarly, the Central Office has also requested all members of WG to provide updates on the action taken by them on the assigned task. In response, Dr. Amgad Elmahdi has informed that he is in touch with the Chair to contribute and support the Vision 2030. Chair will provide further updates at the meeting.

¹ This will also include details of membership of WG as **Annex**

WG-IDM Agenda Item 3: Presentation by the working members

6. At Mexico meeting, interesting presentations were made by Dr. Katsuyuki Shimizu (Japan); Dr. Jan Ming-Young (Chinese Taipei); and VPH Felix Reinders (South Africa). Members are encouraged to make presentations related to the mandate of the group at Canada meeting in consultation with the WG Chair.

WG-IDM Agenda Item 4: Exchange of information, knowledge & networking – website

WG-IDM Agenda Item 4.1: Website of the WG

7. In January 2018, the Central Office has requested WG members to provide interesting articles/ papers/ presentations/ documents related to the mandate of the WG for uploading it on the WG's website http://www.icid.org/wg_idm.html. In response, Dr. Amgad has suggested to upload the profile of each member and mailing list on the website of the WG and has also shown interest to share a number of papers and reports that related to the activities of the group. Dr. Amgad and Chair may provide further updates in the matter.

WG-IDM Agenda Item 4.2: Webinars/ Web based seminars

8. During Mexico meeting, the group discussed the importance of the webinar and agreed that as a very good platform of knowledge exchange and Chair encouraged members to suggest topics for webinars. Accordingly, the Central Office in January 2018 has requested the members to suggest topics for organization of the webinar. In response, Dr. Amgad has proposed the following topics for the webinar (a) Water information role in water management and reform; (b) Water accounting and standard; and (c) Water resources assessment framework – consistent and adaptable approach. The Central Office is in touch with Dr. Amgad for organizing a webinar in 2018. Response from other members are awaited. WG may like to discuss and suggest topics as well as name of expert to deliver webinar.

WG-IDM Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. At Mexico, Dr. Katsuyuki Shimizu (Japan) had volunteered to take up the task of updating the terms related to the MTD. Accordingly, Dr. Katsuyuki Shimizu in January 2018 has proposed to prepare a draft list of terms related to (5) Head works; (6) Design of irrigation canals; (7) Canal structures; (8) Project water management; (17) Operation, maintenance and management which will be circulated to the WG members for improvement. He also informed that he got a glossary related to agricultural engineering published by the domestic society (Japan Society of Irrigation, Drainage and Rural Engineering) and will pick up some related technical terms and make a draft list for further discussion among WG members in consultation with Chair and Vice Chair. Dr. Shimizu / Chair/ representative from Japanese National Committee will provide further updates at the meeting.

WG-IDM Agenda Item 6: Workshop on water balance approach

10. Due to paucity of time at Mexico meeting, no decisions were made on organization of a workshop on water balance approach in 2018. The group may like to discuss the matter of organization of a workshop during the meeting.

WG-IDM Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2016 and 2017 meeting

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Ms. Mary Jean M. Gabriel, Chair (South Africa)	2015	•	•	•		
2.	Mr. Ahmet Şeren, Vice Chair (Turkey)	2016	•			•	
3.	Dr. Katsuyuki Shimizu, Secretary (Japan)	2015		•	•	•	
4.	Dr. Wu Jingwei (China)	2015	•		# ²		
5.	Ir. Mat Hussin Bin Ghani (Malaysia)	2015			#		
6.	VPH Francois Brelle (France)	2015	•			•	
7.	Mr. Ming-Young Jan (Chinese Taipei)	2015	•		•		
8.	Mr. Waleed Hassan (Egypt)	2015		•		•	
9.	Dr. Amgad Elmahdi (Australia)	2016		•		•	
10.	Dr. Narges Zohrabi (Iran)	2016	•	•	•	•	
11.	Eng. Abd Elsalam Mohamed Salih Idriss (Sudan)	2016		•			
12.	Mr. G.L. Bansal (India)	2016		•			
13.	Eng. Mohammed Omar Makram Afify – Young Professional (Egypt)	2017				•	
14.	Mr. Tariq Altaf (Pakistan)	2017				•	
15.	Secretary General, ICID				•		
Permanent observers/ Observers							
(i)	VP Ian Makin (UK)	2015		•	•		
(ii)	VPH Hafied Gany (Indonesia)	2015		•		•	

B. New nomination received from the National Committees/ Direct Member

Sl. No.	Name	Country	Remarks
(1)	Prof. LB Roy – Direct Member	India	Recommended as member subject to his presence or else Provisional Member
(2)	Eng. El Sayed El Yamani Ali Sarkees	Egypt	Recommended as member subject to his presence or else Provisional Member
(3)	Dr. (Ms) Eman Ragab Mohamed Nofal - YP	Egypt	Recommended as member subject to her presence or else Provisional Member



² Through representation

ROAD MAP TO ICID VISION 2030 – ALLOCATION OF TASKS

Goal/ Strategies	Activities	Outcomes/ Outputs	Responsible person
Goal A: Enable higher crop productivity with less water and energy			
A1. Strategy: Modernizing irrigation systems	1.1 Develop a program for introducing standards for irrigation systems	Standards for Irrigation and Drainage	Dr Ming-Young Jan / Ms M J Gabriel
	1.2 Report or case studies on recent development in Irrigation Drainage Management	Case studies Presented in WG meetings	Dr Narges Zohrabi
A6. Strategy: Improving performance of irrigation systems	6.1 Investigating and providing information on the positive amenities, services and goods provided by irrigation systems (in consultation with WG-ENV)	Technical Report	Dr Shimizu
	6.7 Identify drivers and social resistances within the systems to improve Irrigation management	Report	TBD
Goal B: Be a catalyst for change in policies and practices			
B1.Strategy: Support development of appropriate policies	1.14 Report on South-South cooperation for capacity development in the field of irrigation management	Report	TBD
B3. Strategy: Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	Mr Ian Makin (to assist)
Goal C: Facilitate exchange of information, knowledge and technology			
C1.Strategy: Providing knowledge sharing platform for AWM professionals	1.3 Organize Workshop, Seminar and Symposium on Water Balance Approach	Proceedings	TBD
C4.Strategy: Compile, Collate and Share Knowledge and Experiences	4.9 Condensed overview of existing documents and practical examples on water balance approach	Technical Report	Ms MJ Gabriel
	4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)	Technical Paper	TBD
Goal D: Enable Cross Disciplinary and Inter-Sectoral Engagement			
D2. Strategy: Developing Technical Documents in Non-technical Language	2.3 Investigating and documenting the social and economic impacts of irrigation systems	Technical report	TBD
Goal E: Encourage research and support development of tools to extend innovation into field practices			
E6. Strategy: Dissemination of useful research outputs	6.2 Investigate and report on state of research, barriers or locks and promising paths in the field of irrigation management	Technical report	TBD



**AGENDA FOR THE 4TH MEETING OF
WORKING GROUP ON INSTITUTIONAL ASPECTS OF
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

15 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: The WG will investigate, analyse and disseminate information and knowledge on following issues: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/drainage services and determination of level of cost recovery.

WG-IOA Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.
3. No new nominations have been received from the National Committees for the membership of the WG. Mr. Franck Sanfilippo (France), Mr. Ghassan Lutfi (Iraq) and Ms. Hend Emad Alhendy – Young Professional (Iraq) have not contributed to the activities of the group during last two years. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-IOA Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on institutional and organizational aspects of irrigation

4. At Mexico meeting, the group reviewed the Action Plan for WG-IOA keeping in view the mandate and availability of resources for achieving various activities (*refer Annex 2*). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. The members may like to discuss the Action Plan during the meeting and update the Annex 2 as per the latest developments.

¹ This will also include details of membership of WG as **Annex**

5. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

WG-IOA Agenda Item 3: Presentation by the working group members

6. The members of the WG were requested to make presentation at Canada meeting in consultation with the WG Chair or else share information/ documents/ reports through 'Dropbox' created by the WG Chair. Chair will provide further updates at the meeting.

WG-IOA Agenda Item 4: Dissemination of activities of WG – Website of the group

WG-IOA Agenda Item 4.1: Website of the group

7. At Mexico, Chair Hafied Gany encouraged members for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to be up to date with new developments, methods and approaches. The ICID CO has followed-up with the members and requested them to provide interesting articles/ papers/ presentations/ documents related to the mandate of the WG from their respective countries for uploading it on the WG's website http://www.icid.org/wg_ioa.html for wider dissemination. WG will discuss mechanism to share and update website of the WG.

WG-IOA Agenda Item 4.2: Webinar/ Web based seminar

8. During Mexico meeting, WG discussed about organization of webinar to share vast knowledge available with ICID fraternity among members of the NCs with the support of WG experts. The ICID CO has followed-up with the members and requested to participate in the Webinar/ Web based seminar and also to suggest topics along with name of experts who can be consulted to deliver webinar. Response is awaited. WG will discuss the matter and members are requested to provide further updates at the meeting.

WG-IOA Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. At Mexico, Dr. Yu-Chuang Chang (Chinese Taipei) represented the WG-IOA in the meeting of TF-MTD and informed that updating of MTD would be gradually managed and assessed in accordance with the terms used in each working group. The ICID CO has followed-up with the members to undertake updating of MTD terms related to mandate of the WG and provide their inputs to Dr. Chang. Dr. Chang informed that he has extracted the existing terms of Chapter 11 "Irrigation systems and distribution of irrigation waters" and requested the Chair to discuss the terms with the members for their comments/ feedback. Dr. Chang will provide further updates at the meeting.

WG-IOA Agenda Item 6: International Workshop on "Institutional and Organisational Setup of Irrigation and Drainage Management System", August 2018, Canada

10. WG successfully organized the International Symposium on "Global review of institutional reform in irrigation sector for sustainable agriculture water management, including WUA" at Mexico which was attended by about 150 participants. During symposium in addition to presentation of 9 country papers by the NCs, two key note addresses were also delivered by experts from the World Bank.

11. In continuation, the Working Group is organizing an International Workshop on the theme "Institutional and Organizational Setup of Irrigation and Drainage Management System" on 12 August 2018 in Canada. The scope of this workshop is mainly focused on institutional and organizational aspects of IDM schemes, with new institutional and organizational developments, methods and approaches. In response to the invitation for papers, National Committees of Afghanistan and Nepal have shown their interest in submission of paper for the workshop. Chair will provide a brief report of the organization of the workshop at the meeting.

12. The ICID CO is in process of the submission of the paper based on the combined summary report of country papers on "Global Review of Institutional Reform in the Irrigation Sector for Sustainable Agriculture Water Management, including Water Users Associations" for publication in the special issue of ICID Journal on Irrigation and Drainage.

WG-IOA Agenda Item 7: Any other business

NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Members and their attendance at 2016 and 2017 meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Hafied A. Gany, Chairman (Indonesia)	2015	•	•	•	•	
2.	Dr. Kazumi Yamaoka, Vice Chairman (Japan)	2015	•	•	•	•	
3.	VP Madhav Belbase, Secretary (Nepal)	2015	•	•	•	•	
4.	Mr. Hasan Basri Yuksel (Turkey)	2015		•	•		
5.	Mr. Philip J. Riddell (UK)	2015	•	•		•	
6.	Dr. Seong Joon Kim (Korea, Rep. of)	2015	•	•		•	
7.	VPH Ding Kunlun (China)	2015		•	•		
8.	Mr. Franck Sanfilippo (France)	2015					No contribution, recommended for discontinuation after Canada meeting if no contribution.
9.	VPH Franklin Dimick (USA)	2015	•	•		•	
10.	Mr. Abdullahi Abdul Rahman (Nigeria)	2015		•		•	
11.	Dr. Yu-Chuan Chang (Chinese Taipei)	2016	•	•	•	•	
12.	Mr. Houshang Hasouni Zadeh (Iran)	2016	# ²				
13.	Mr. Ghassan Lutfi Ahmed (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
14.	Ms. Hend Emad Alhendy - Young Professional (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
15.	Dr. Qazi Tallat Mahmood Siddiqui (Pakistan)	2017				•	
16.	Secretary General, ICID	2015	•		#		



² # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A4. Strategy: Promoting institutional reforms	4.1 Introduce suitable institutional setup	Guidelines		Prepare the first draft report		Finalise the draft report & publication	
A6. Strategy: Improving performance of irrigation systems	6.3 Facilitate policy analysis for improved water governance with a focus on agricultural water management and sustainable rural development.	Technical Paper					
	6.4 Develop generalized legal regulations (guidelines) and implementing changes in the public and private sectors of agriculture and water economies of the countries	Guidelines					
	6.5 Implementing changes in the public and private sectors of agriculture and water economies	Position paper					
A8. Strategy: Encouraging Participatory Management of Irrigation Systems							
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing knowledge sharing platform for AM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium	
C4. Strategy: Compile, collate and share knowledge and experiences	4.10 Condensed overview of existing key books, manuals, guidelines and other relevant publications on the institutional, organizational aspects of	Technical report		Release the first report		Release the second report	Release of final report

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
	irrigation management						
	4.11 Overview paper on the state of the art on the IOA of I&D in Irrigation and Drainage (IRD)	Paper		Preparation of the draft of first paper	Submission of first paper for IRD	Preparation of the draft of second paper	Submission of second paper for IRD
	4.12 Exchange of information and sharing knowledge through case studies on institutional and organizational	Case studies	Exchange of information		Exchange of information		Exchange of information

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 4TH MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

15 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope of work: To investigate, analyse, disseminate information on new developments and to formulate recommendations with respect to: Planning and preparation for modernization and revitalization of irrigation schemes; Interaction between modernization, revitalization and required operation and maintenance; Cost sharing for modernization, revitalization and required operation and maintenance; Institutional and organizational framework required for modernization, revitalization and operation and maintenance; Methods and techniques of lining of conveyance and distribution canals; Canal control systems with respect to their automation, using internet, mobile communication and remote monitoring in canal operation; Modification to improve communication, operational capacities and flexibility in operation and maintenance of systems; Standardization and codes of practice in irrigation systems.

WG-M&R Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.

2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.

3. The South African National Committee (SANCID) has nominated Mr. Jan Potgieter, and Egyptian National Committee has nominated Prof. Dr. Tarek Ahmed El-Samman while Chinese Taipei Committee (CTCID) has nominated Dr. Chih-Hung Tan for the membership of the group. Mr. Vyacheslav Rozhon (Ukraine), Mr. Mehrzad Ehsani (Iran), Mr. Bir Singh Dhami, Young Professional (Nepal), Ms. Meral Çiçek (Turkey), Ms. Puleng Mofokeng (South Africa), Mr. Usman-e-Ghani (Pakistan), Mr. Ali Omran Ali (Iraq), Mr. Firas Hussain Ali – Young Professional (Iraq) have not contributed to the activities of the group during last two years. As recommended by the WG, the Central Office has followed-up with the National Committees of Iraq and Pakistan to know the interest of the nominees before discontinuation of their membership. In response Iraq NC has indicated the interest of their nominees in activities of the WG and communicated new e-mail ID of Mr. Firas Hussain Ali – Young Professional (Iraq) as firasali95@yahoo.com. However, there is no response from Pakistan. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: The Japanese National Committee (JNCID) vide email of 13 July has nominated Dr. Shinji Fukuda for the membership of the working group. Mr. Usman-e-Ghani vide his email of 11 July has informed that he would like to continue his membership and would like to contribute to the activities of the WG.

WG-M&R Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on modernization and revitalization

4. At Mexico meeting, the group, keeping in view the revised scope and mandate and availability of resources for achieving various activities, modified the Road Map (refer **Annex 2**) and assigned certain tasks to its members. ICID Central Office has followed up with the members of WG to provide updates on the action taken by them on the assigned task.

¹ This will also include details of membership of WG as **Annex**

5. At the Mexico meeting, to assist in preparation of an overview paper on State of the Art on Modernization of Irrigation Systems, WG Chair requested Dr. Sanjay Belsare from India; Engr. Muhammad Sani Bala from Nigeria; and Dr. Brian T. Wahlin from USA to facilitate contributions from their regions. Accordingly, in January 2018, the ICID Central Office has followed-up with them and requested to contribute from their region towards preparation of an overview paper. Respective members/ WG Chair will provide further updates at the meeting.

6. It was also agreed that the WG Group Chair and Ms. Patricia Mejias from FAO would draft an advocacy paper on the need for adequate provision of resources for sustainable operation and maintenance of irrigation and drainage services, in collaboration with their respective organisations. Chair will provide further updates at the meeting.

7. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. Accordingly, in January 2018, the Central Office has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report.

WG-M&R Agenda Item 3: Report on Modernization irrigation/ drainage for a new Green Revolution

8. During Mexico meeting, the group noted the need for preparation of the publication titled "Modernization irrigation/ drainage for a new Green Revolution" and requested volunteers from the group to take up this assignment. The Chair then facilitated the nomination of members for this activity, in a manner that represents the different regions of the world so as to harness varying experiences from different parts of the world. In January 2018, the ICID Central Office has followed-up with the members and requested them to get in touch with the Chair and provide their contributions to the WG Chair. In response, Mr. Alan Kendall Clark (UK) has informed the Chair that he is ready to contribute on pump-pipe systems and how they can be integrated to modernize older canal systems. Chair will provide further updates at the meeting.

WG-M&R Agenda Item 4: Preparation of a paper on the status of modernization in countries around the world

9. At Mexico meeting, three case studies were received by the Chair viz. (a) the experiences from China by WG Vice Chair Dr. Dong Bin (China); (b) experiences from Korea by Dr. Kwang-Sik Yoon (Republic of Korea), and (c) experiences from Nigeria by WG Secretary Engr. Muhammad Sani Bala (Nigeria). After deliberation and brief review, the group noted that the case studies presented from Korea and China needs to be revised as per the case study template. It was also suggested that the draft case studies from Australia and Nigeria would be reviewed and revisions will be proposed to the authors for consideration. During the meeting members from Chinese Taipei, India, Japan, Malaysia, USA, and MENA region volunteered to develop further six case studies for the 2018 meeting besides representative from Indonesia offered to prepare a case study for presentation during the 3rd WIF in Bali in 2019 to help enrich the group's output. The Central Office has followed-up with the members to prepare the case studies as per the guidelines (**Annex 3**). Respective members and Chair will provide further updates at the meeting.

10. During Mexico meeting, a presentation on "Canal Automation" by Dr Brian T Wahlin (USA) was proposed to be made in Canada in 2018 along with additional case studies planned for development during 2017/18. Accordingly, the ICID Central Office has followed-up with Dr. Wahlin for making presentation during Canada meeting.

WG-M&R Agenda Item 5: Exchange of information, knowledge & networking

11. During Mexico meeting, the group discussed the issues related to exchange of information and updating of WG-M&R website and recommended that: (a) Irrigation modernization has different meanings to different countries so maintaining regular flow of information and knowledge exchange is very important; (b) the country papers/ case studies/ country guidelines should be made available through the WG website; and (c) Virtual meeting should be organized by identifying 1-2 topics for discussions. The country papers/ case studies guidelines received from members have been uploaded on the group's website at http://www.icid.org/mnr_guideline.pdf.

W-M&R Agenda Item 5.1: Web site of the WG

12. At Mexico meeting, the group noted that the website of the working group <http://wg-mr.icidonline.org/> was updated with new membership list, agenda, minutes, events, etc. Chair encouraged members to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. During the meeting, Dr. Brian T. Wahlin from USA agreed to provide maintenance support for the Group's website, in collaboration with the Group Chair, and if possible with contributions by the ICID YPs. The Central Office has

followed-up with Dr. Wahlin and also with members to contribute to the activities of the group by providing interesting articles & documents for its uploading on WG's website. Chair/ Dr. Wahlin will provide further updates at the meeting.

W-M&R Agenda Item 5.2: Webinar/ Web based seminars

13. During Mexico meeting, the group discussed and supported the organization of webinar/ web based seminar and encouraged members to provide their suggestion on topics, based on the mandate of the WG. Chair VP Ian Makin encouraged members to suggest five-six topics, based on the mandate of the WG, on which webinar can be considered along with name of the relevant experts who could be contacted to develop webinars. Members may like to suggest topics for webinars along with name of expert who can deliver webinar.

WG-M&R Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

14. At Mexico, WG reviewed and discussed about updating of MTD and requested members to gain themselves with the use of this authentic resources in the course of their work. Chair also informed the members that ICID Central Office would be pleased to receive valuable contributions from them for improvement of the term(s) however, due to paucity of time, assignment of suitable professional from WG-M&R for TF-MTD was not discussed. Chair may discuss and select a suitable professional to represent WG in TF-MTD.

WG-M&R Agenda Item 7: Workshops by WG in 2018, Canada and 2019, Bali, Indonesia

15. Number of WG proposed to organise workshops during 2018 but due to less time for Canada meeting and large number of parallel sessions, it was difficult to adjust all the WG workshops. So it was proposed to have fewer combined workshops of few WGs of similar interest in order to enrich technical deliberations and have larger audience participation. Accordingly, the Central Office has followed-up with the Chair of Working Group on Water and Crops (WG-WATER &CROP), Working Group on Modernization and Revitalization of Irrigation Schemes (WG-M&R), and Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD for organizing a joint workshop during 69th International Executive Council (IEC) events in August 2018 however, there is no response.

16. At Mexico, the WG proposed to organise a workshop during 70th IEC meeting and WIF3 in 2019 in Bali, Indonesia. Members may discuss and finalize the theme and sub-theme for organizing a workshop in 2019.

WG-M&R Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

Members and their attendance at 2016 and 2017 meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VP Ian Makin, Chairman (UK)	2015	•	•	•		
2.	Dr. Dong Bin, Vice Chairman (China)	2015	•		•	•	
3.	Engr. Muhammad Sani Bala, Secretary (Nigeria)	2015			•	•	
4.	Mr. Vyacheslav Rozhon (Ukraine)	2015					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
5.	Mr. Mehrzad Ehsani (Iran)	2015					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
6.	Ir. Eko Subekti (Indonesia)	2015	•		•		
7.	Dr. Yohei SATO (Japan)	2015	•	•	•		
8.	Mr. Bir Singh Dhimi, Young Professional (Nepal)	2015					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
9.	Dr. Kwang-Sik Yoon (Korea)	2015	•		•	•	
10.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015			#		
11.	Ms. Meral Çiçek (Turkey)	2015					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
12.	Ms. Puleng Mofokeng (South Africa)	2015					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
13.	Dr. Brian T. Wahlin (USA)	2015	•		•		
14.	Mr. Usman-e-Ghani (Pakistan)	2016					No contribution during last two years recommended for

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
							discontinuation after Canada meeting if no contribution – confirmed to continue
15.	Mr. Ali Omran Ali (Iraq)	2016					No contribution during last two years recommended for discontinuation after Canada meeting if no contribution
16.	Mr. Firas Hussain Ali – Young Professional (Iraq)	2016					IRQCID informed new email ID for correspondence No contribution during last two years
17.	Dr. Sanjay Belsare (India)	2017			•		
18.	Secretary General, ICID		# ²				
Permanent observers							
(i)	Mr. Alan Kendall Clark (UK)	2015					
(ii)	FAO Representative (Ms. Robina Wahaj)	2015	•		#		

B. New nominations received from the National Committee/ Committee

No.	Name	Country	Remarks
1	Mr. Jan Potgieter in place of Ms. Puleng Mofokeng	South Africa	Recommended as member, subject to his presence else provisional member
2	Prof. Dr. Tarek Ahmed El-Samman	Egypt	Recommended as member, subject to his presence else provisional member
3	Dr. Chih-Hung Tan	Chinese Taipei	Recommended as member, subject to his presence else provisional member
4	Dr. Shinji Fukuda	Japan	Recommended as member, subject to his presence else provisional member



² # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A1. Strategy: Modernizing irrigation systems	1.4 Preparation and presentation of Case studies	Compilation of Case Studies	6 Case Studies	TBD Case Studies	TBD Case Studies	TBD Case Studies	
	1.5 Prepare an overview paper on State of the Art on Modernization of Irrigation Systems	State of the Art Paper	State of the Art Paper Released				
	1.6 Develop Guidelines for Modernization of Irrigation systems	Guidelines (This to be reviewed and possibly revised in Mexico 2017)			Release Guidelines in WIF3		
A2. Strategy: Improving O&M of Irrigation Systems	2.1 Advocacy paper to draw attention to the needs of adequate resources for O&M	Advocacy paper					
	2.2 Develop norms of O&M of Irrigation systems	Technical Report					
Goal B: Be a catalyst for change in policies and practices							
B1. Strategy: Supporting development of appropriate policies	1.9 Prepare position Paper on Key Issues on Modernization of Irrigation Schemes	Position/Policy Paper of ICID		Release at WWF8 in Brasilia			
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing knowledge sharing platform for AWM professionals	1.5 Organize Workshops, Seminar and Symposium on modernization	Compilation of proceedings	Main Theme of Congress, Inputs to Congress				
Goal F: Facilitate capacity development							
F4. Strategy: Developing and sharing AWM knowledge	4.4 Condensed overview of Key books, manuals and Guidelines	Book Overview					

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**MODERNIZATION AND REVITALIZATION OF IRRIGATION
Broad Outline for Case Study / Country Paper**

(Guide – ideally about 9-10 pages – max length 14 pages)

1. **Introduction** – Very brief overview (**max 1.5 pages**)
 - (a) general country information such as topography, climate, agriculture and water resources development, and
 - (b) Irrigation and drainage development and achievements in the past
2. **Policy** – This section should briefly describe the (**max 1.5 pages**)
 - (a) challenges of food security,
 - (b) challenges of water scarcity,
 - (c) how irrigation water allocations are being effected,
 - (d) what are the shortcomings in irrigation systems,
 - (e) what strategies are being adopted, and
 - (f) how increasing more crop per drop challenge is being/ proposed to be met.
3. **Approach to modernization** – This section may include (**guide 1-2 pages**)
 - (a) details of the approach/ methodology adopted for modernization including
 - (i) stakeholders' consultation,
 - (ii) tools used for identification of components for modernization such as rapid appraisal, MASSCOTE, remote sensing and GIS etc.,
 - (b) components of modernization including cost estimates, benefits etc. and
 - (c) Funding mechanism
4. **Project information** – This section may include (**guide – up to 3 pages**)
 - (a) general information on project(s),
 - (b) its (their) performance in the past,
 - (c) identification of issues/concerns,
 - (d) need for modernization of the project(s);
 - (e) components of modernization of projects taken up, and
 - (f) component details etc.
5. **Implementation of modernization proposal** – This section may include (**Max 1.5 pages**)
 - (a) how modernization proposal was implemented,
 - (b) monitoring of project implementation,
 - (c) contribution from beneficiaries,
 - (d) how the need for new technology (if deployed) is being addressed.
6. **Lessons learnt including benefits from modernization** – This section may summarize (**Max 2 pages**)
 - (a) bottlenecks/issues/concerns faced during implementation,
 - (b) how these were overcome,
 - (c) lessons learnt from modernization process,
 - (d) impact and outcome of modernization of project etc.
7. **Way forward** – This section may provide (**Max 3 pages**)
 - (a) summary and conclusions,
 - (b) recommendations for future modernization plans,
 - (c) roadmap for modernization of irrigation development in the country etc.
 - (d) Funding required
 - (e) Possible funding mechanism

References, maps, tables (as needed)



**AGENDA FOR THE 5TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DRAINAGE (WG-SDRG)**
15 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Scheme

Presented by the Chair

Year of Establishment: 2013

Completion of the Mandate: 2019

Mandate: (a) To promote drainage as part of integrated water resources management; and (b) To promote sustainable approaches for drainage and related projects through a balanced integration of (i) environmental, (ii) economic, and (iii) social and cultural aspects. The WG will work on – (a) Soil management and (integrated) water (resources) management; (b) Traditional and wise drainage management including (i) dry drainage and bio drainage, (ii) arid and semi-arid zones v/s rain fed zones, and (iii) controlled drainage and regulated drainage; (c) Operation and maintenance; (d) Promotion of multi-stakeholders approaches; (e) Reuse and multiple uses; (f) Promotion of risk assessment under global change, and (g) Assessment of drainage needs.

WG-SDRG Agenda Item 1: Action taken report by the Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.

2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as to discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.

3. The Egyptian National Committee (ENCID) has nominated Eng. Mohamed Saleh El-Basyony, Eng. Maiada Mohamed Anwar, and Eng. Dina Mahmoud Mohamed Ali - Young Professional for the membership of the WG. Prof. Lal Bahadur Roy, Direct Member (India) has nominated himself for the membership of the group. Dr. Hajime Tanji (Japan), Mr. Raed Abbood Awad (Iraq), Mr. Amjed Mohammed Abbas – Young Professional (Iraq), and Eng. Mohamed Fawzy Mohamed Mahmoud (Egypt) have not contributed to the activities of the group during last two years. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-SDRG Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable drainage

4. At Mexico meeting, the group reviewed the Action Plan for WG-SDRG keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. WG Chair and members will provide updates on actions initiated to achieve milestones as per agreed Action Plan during the meeting.

5. As per decision of 68th IEC, the Central Office requested the Chairs of the Work bodies in January 2018 to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the

¹ This will also include details of membership of WG as **Annex**

concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report. Chair will provide further updates at the meeting.

WG-SDRG Agenda Item 3: Compilation of experiences in bio-drainage and bio-saline agriculture

6. After discussion, the WG Chair recommended to finalize the document titled “Bio-drainage for Management of Waterlogging and Soil Salinity” authored by Dr Gurbachan Singh (India) for its publication and circulation. The ICID CO has been formatted the document and uploaded on the WG’s website as e-publication at http://www.icid.org/report_bmw_n_ss.pdf.

WG-SDRG Agenda Item 4: Updating database on ‘Drained area in the world’

7. After discussion, considering the continued efforts of ICID Central Office in updation of the database on drained area, WG Chair encouraged members to provide the latest information in respect of their countries every year regularly. Accordingly, the ICID CO has followed-up with the members and requested them to provide the updated database in consultation with their NC for inclusion in the database. Responses were received from some members/ NCs and updated in the database. The updated database of drainage area is available at <http://www.icid.org/world-drained-area.pdf>.

WG-SDRG Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

8. During Mexico meeting, the Chair briefed the updation of MTD wherein some representative from the NC’s expressed their concern of not involving NC in updation of MTD who have supported in past in updation of the dictionary. After discussion, members suggested that the interface design should be undertaken in consultation with NC’s and structure of the MTD database should be available on website so that NC’s can freely upload their respective documents. Chair encouraged members to review the terms related to their domain. However, full access to MTD database to all NCs is not practical as the chances of data corruption/ security will be more. Accordingly, the Central Office has approached all NCs for their contribution and suggestions on the online MTD interface changes. Also the ICID CO has followed-up with the members and requested them to review the concerned terms and suggest changes/ modifications including addition of new terms. Chair will provide further updates at the meeting.

WG-SDRG Agenda Item 6: Dissemination of activities of WG

WG-SDRG Agenda Item 6.1: Website of the group

9. At Mexico meeting, the group noted that the website of the working group http://www.icid.org/wg_sdg.html was updated with new membership list, agenda, minutes, events, etc. Chair encouraged members to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. Accordingly, the ICID CO has followed-up with the members and requested to provide papers, articles and documents related to the mandate of the group. WG will discuss and evolve mechanism for sharing information and its updation on the WG web site.

WG-SDRG Agenda Item 6.2: Webinar/ Web based seminar

10. During Mexico meeting, the group discussed and supported the organization of webinar/ web based seminar and encouraged members to provide their suggestion on topics, based on the mandate of the WG along with the name of the relevant experts who could be contacted to develop webinars. Accordingly, the ICID CO has followed-up with the members and requested them to suggest topics for organization of webinars. Chair and members will provide further updates at the meeting.

WG-SDRG Agenda Item 7: Organization of 14th International Drainage Workshop, 2020

11. At Mexico, the group noted the successful organization of 13th International Drainage Workshop (IDW) in March 2017 in Iran. The Iranian National Committee on Irrigation and Drainage (IRNCID) is in the process of bringing out the Special Issue of Irrigation and Drainage (Volume/ Issue 67.3) with selected papers of the 13th International Drainage Workshop through M/s Wiley.

12. During the Mexico meeting, the group discussed about the organization of next workshop and noted that the National Committee of Georgia had shown their interest for organizing the 14th IDW. Accordingly, the ICID CO has followed-up with the NC of Georgia and requested them to submit their proposal for organization of

14 IDW so that it can be tabled during 69 IEC for approval however, response is awaited. Representative from Georgia NC may provide further updates at the meeting.

WG-SDRG Agenda Item 8: Workshop by WG in August 2018, Canada

13. Number of WG proposed to organise workshops during 2018 but due to less time for Canada meeting and large number of parallel sessions, it was difficult to adjust all the WG workshops. So it was proposed to have fewer combined workshops of few WGs of similar interest in order to enrich technical deliberations and have larger audience participation. Accordingly, the Central Office has followed-up with the Chair of Task Force on Value Engineering (TF-VE), Working Group on Sustainable Drainage (WG-SDRG), and Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST) for organizing a joint workshop during 69th International Executive Council (IEC) events in August 2018.

14. During Mexico meeting, seeing the worldwide concern on the modality of drainage and its beneficial aspects under different conditions, the group suggested to organize a Workshop in Saskatoon in 2018 on dry drainage and bioreactors or green infrastructures. Accordingly, the ICID CO has followed-up with the Chair and requested to submit a proposal in the prescribed format for inclusion of the workshop in the programme of 69th IEC. In response, Chair has agreed to organize a Workshop on “Dry Drainage and Bioreactors or Green Infrastructures” on 12 August 2018 in Canada and invited abstracts from the NCs and members of the WG. Dr. Momon Sodik Imanudin, Vice Chair of SDRG has submitted his paper titled ‘Control Drainage for Fire Prevention in Peatland Areas in South Sumatera Indonesia’ for the workshop. Chair will provide a brief update of the workshop at the meeting.

WG-SDRG Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Membership of the group at 2016 and 2017 meetings

SI No	Members	Member from	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Mr. Bernard Vincent, Chairman (France)	2013	•	•	•	•	
2.	Dr. Momon Sodik Imanudin, Vice Chairman (Indonesia)	2013	•	•		•	
3.	Dr. James Ayars (USA)	2013		•		•	
4.	Mr. Chen Hung-Kwai (Chinese Taipei)	2013	# ²				
5.	VPH Shinsuke Ota (Japan)	2013		•		•	
6.	Dr. Yuri Yanko (Russia)	2013	#		#		
7.	Dr. Gurbachan Singh (India)	2013	•	•		•	
8.	Mr. Mati Tonismae (Estonia)	2013			#		
9.	Mr. Ardavan Azari (Iran)	2013	•	•	•	•	
10.	Ms. Helena Aijo (Finland)	2013	#		•	•	
11.	Dr. Ashraf El Sayed Ismail (Egypt)	2013	#	•	•	•	
12.	Ms. Wang Shaoli (China)	2013	•	•	•	•	
13.	Engr. Mohd Anuar Musardar bin Yusoff (Malaysia)	2013	•				
14.	Dr. Hajime Tanji (Japan)	2014					No contribution, recommended for discontinuation after Canada meeting if no contribution.
15.	Dr. Henk Ritzema (Netherlands)	2015		•		•	
16.	Prof. Seong Joon Kim (Korea, Rep. of)	2016	•	•		•	
17.	Dr. (Ms.) Naoko Koshiyama (Japan)	2016	•	•	•	•	
18.	Prof. Aidan Senzanje (South Africa)	2016		•	•		
19.	Dr. (Ms.) Bilge Omar (Turkey)	2016	•				
20.	Mr. Raed Abbood Awad (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
21.	Mr. Amjed Mohammed Abbas - Young Professional (Iraq)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
22.	Eng. Mohamed Fawzy Mohamed Mahmoud (Egypt)	2017					Admitted as Provisional Member however, no contribution, recommended for discontinuation after Canada meeting if no contribution.

² Through representation

SI No	Members	Member from	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
23.	Mr. Fazal Rehman Kashif (Pakistan)	2017				•	
24.	Secretary General, ICID		#				

B. New nomination received from the National Committees/ Direct Member

Sl. No.	Name	Country	Remarks
1	Prof. LB Roy – Direct Member	India	Recommended as member, subject to his presence else provisional member
2	Eng. Mohamed Saleh El-Basyony	Egypt	Recommended as member, subject to his presence else provisional member
3	Eng. Maiada Mohamed Anwar	Egypt	Recommended as member, subject to her presence else provisional member
4	Eng. Dina Mahmoud Mohamed Ali - Young Professional	Egypt	Recommended as member, subject to her presence else provisional member

Annex 2 [Appendix XXIX, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C4. Strategy: Compile, collate and share knowledge and experiences	4.23 Collection and compilation of drainage irrigation data	Database	Updating database	Updating database	Updating database		
Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices							
E5. Strategy: Compilation of Global Data Sets on Irrigation and Drainage	5.3 Datasets for Drainage Area						

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



**AGENDA FOR THE 5TH MEETING OF THE
SUB-COMMITTEE ON THEMES, TOPICS AND WORK PLANS OF
FUTURE ICID EVENTS (SC-E-THEMES)**

12 August 2018: 13.30-15.00 Hours
Saskatoon, Saskatchewan, Canada

Terms of Reference (ToR): (i) To deliberate and recommend the Themes, sub-themes of World Irrigation Forums and Theme and Questions of future Congresses, (ii) To set out format and technical contents of the Congress and WIFs, (iii) To review the technical outputs and outcomes and suggest follow ups, (iv) To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective and (v) To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc.

Members: (1)) PH Dr. Gao Zhanyi, Chair (China, 2017); (2) VPH Dr. Ding Kunlun, Chair, PCTA (China, 2017); (3) Mr. Ali Reza Salamat, Member, PCTA (Iran, 2017); (4) VPH Mr. Franklin E. Dimick, Chair, WG-MWSCD (USA, 2017); (5) VP Dr. Abdelhafid Debbarh, Chair, WG-CDTE (Morocco, 2017); (6) VP Mr. Ian W. Makin, Chair, WG-M&R (UK, 2017); (7) VPH Dr. Ragab Ragab, Ex-Member, ITAC-WIF2 (UK, 2017); (8) VPH Bong Hoon Lee, Ex-Member, ITAC-23rd ICID Congress (Korea, 2017); (9) VP Waseem Nazir (Pakistan, 2017) and (10) Er. Ashwin B. Pandya, Secretary General, ICID.

Sub-Committee Agenda Item 1: ATR on the Minutes of the 4th Meeting of the Sub-Committee

1. An Action Taken Report on the minutes of the 4th meeting of Sub-Committee is placed at **Annex 1**.

Sub-Committee Agenda Item 2: To review the membership of the Sub-Committee

2. As per the Notification No.15 of 2017 dated 24 November 2017, re-constituting the SC-E-THEMES, following the decision of 68th IEC meeting at Mexico City on 14 October 2017, the Sub-Committee shall consist of members as follows:

- (a) Technical Experts – one each drawn from ITAC for immediate past and future WIF and Congresses, within the span of six years.
- (b) Two Experts nominated by PCTA.
- (c) Three Experts drawn from Technical Workbodies of ICID
- (d) Chairperson of SC will be nominated from amongst the members, by the President in consultation with Secretary General.
- (e) The membership will be for a maximum of six years and the nominee of ITAC of past Event will be a member for two years after the conclusion of that particular event.
- (f) The membership shall not exceed more than 10 members.

3. Accordingly, the membership of VPH Dr. Ragab Ragab, Ex-Member, ITAC-WIF2 (UK) will be replaced with a member of ITAC for WIF3 which has been constituted vide Notification No.11 of 2018 dated 07 March 2018. Dr. K. Yella Reddy, Vice President, ICID who is a member of ITAC for WIF3 is nominated as a member of the Sub-Committee, subject to the approval of the Committee as per Sr. No. 2(e) of the composition of the membership for the Sub-Committee, as notified.

Sub-Committee Agenda Item 3: To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective

4. The Sub-Committee deliberated on the additional mandated task as per Resolution IEC-2/68 of 68th Council meeting in Mexico City, to work out the structure of meetings related to IEC, particularly the WGs during ICID's annual events in order to make them more effective at its first virtual meeting on 30 January 2018, and adopted the following recommendations:

- (a) Organise online WebEx meetings prior to the main physical meeting to take care of all routine matters such as attendance, membership issues, publications etc.

- (b) Organise shortened separate physical (face to face) meetings of the WGs for 90 minutes each in place of earlier 180 minutes.
- (c) Organising a series of internal workshops (90 minutes) on the specific items related to the mandate of the working group and combining the outcome of these workshops to produce WG output/Report/Document as appropriate.
- (d) Assign the time bound specific tasks emerging from the mandate of the WG to the members for effective results.
- (e) Restructure the Plenary Session of IEC to allow the chairs/WGs to disseminate the work of their WGs to all stakeholders.

5. The Chair will present these recommendations as part of the Committee's report to PCTA and PCSO for their consideration and appropriate recommendations.

Sub-Committee Agenda Item 4: To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc. – To finalize the recommendations

6. The Sub-Committee considered the mandate (v) as listed in the agenda item 4 at its virtual meeting held on 30 January 2018, and made the following recommendations, while exploring ways of combining the meetings of workbodies with areas of common interest and drawing guidelines for making the sessions technically richer and beneficial to the stakeholders and participating industries:

- (a) Organize combined meetings of the WGs for the duration of time saved from shortening the separate WG meetings, say of 180 minutes. This combined meeting could be in the shape of workshop/seminar/panel discussion on the common issues emerging from the mandate of the concerned WGs.
- (b) While ICID has four strategy themes i.e. Basin, Knowledge, On-farm and Schemes; 'On-farm' has only three WGs; namely, WG-PQW, WG-SON-FARM and WG-WATER & CROP; which can perhaps come together in 2018 on trial basis to understand the actual working of the concept and the benefits thereof.
- (c) Webinars (on-line) on the topics/areas of common interest of the concerned WGs could be held during the year.
- (d) A lot of on-line coordination prior to the annual meetings among the Chairs/members would be prerequisite for successful combined meetings (workshop/seminar/panel discussion) at the time of IEC.
- (e) In order to take final decision on the combined meeting of the WGs for strategy theme 'On-Farm', WG Chair of respective WGs may also be invited to join next meeting.

7. At the second virtual meeting held on 10 April 2018 in which the Chairs of workbodies under Strategy Theme – On-Farm as well as the Co-Theme Leaders for ST-ON-FARM were invited to join in order to consider their views, prior to making the recommendations about the idea of combined meeting should be pilot tested during the 69th IEC meeting in Canada meeting in August 2018. The Sub-Committee cautioned that this will need more homework before the meeting to make the idea successful. After the deliberations, the following decisions were taken:

- (a) Strategy theme leaders should guide and coordinate development of modalities of conducting meeting and agenda for the combined meeting of the three WGs (WG-PQW, WG-SON-FARM and WG-WATER & CROP) under the Strategy Theme ON-FARM.
- (b) A web-ex meeting may be organised among Strategy Theme Leaders and WG- Chair, Vice Chair, Secretary with the support of ICID CO to discuss modalities of organising such combined meeting, development of common agenda to channelize commonalities. Strategy theme leaders will indicate tentative date for web-ex meeting for undertaking doodle poll to arrive at most convenient date and time for the web-ex meeting.
- (c) Based on the outcome and suggestions emerging from the web-ex meeting of the theme, ICID CO with the help of Theme Leaders would develop common agenda for the combined meeting of the WGs under the theme.

8. As a follow up of the above decisions, a virtual meeting of the Co-Theme Leaders of ST-ON-FARM and the Chairs, Vice Chairs and Secretaries of the workbodies under ST-ON-FARM was organized on 7 June 2018 to discuss the modalities for holding a combined meeting, development of common agenda, etc.

9. The Committee will be apprised about the outcome of the meeting and how much practical it would be in real terms, while presenting the report of the Committee at PCTA meeting for its consideration and making appropriate recommendations to the Council meeting.

Sub-Committee Agenda Item 5: To consider the Report of ITAC for WIF3, Bali, Indonesia, 2019

10. The Management Board in its sixth meeting (6/17) held on 22 November 2017 approved the constitution of an International Technical Advisory Committee (ITAC) for the 3rd World Irrigation Forum (WIF3) to be held at Bali, Indonesia during September 2019. Vide Notification No. 11 of 2018, dated 11 March 2018, the ITAC for WIF3 was constituted under the Chairmanship of PH Dr. Gao Zhanyi. The first virtual meeting of ITAC for WIF3 was held on 28 June 2018. PH Dr. Gao Zhanyi, Chair, ITAC for WIF3, will present the report on the technical aspects of WIF3 at the Sub-Committee for its consideration and suggestions.

Sub-Committee Agenda Item 6: Theme and Topics for 25th ICID Congress, 2023

11. The venue for the 25th ICID Congress is yet to be fixed; however, the Sub-Committee may consider suggesting topics for Theme and Questions for the Congress. The list of topics for Themes and Questions covered/decided up to 24th ICID Congresses can be accessed or downloaded from http://www.icid.org/congress_topics.pdf.

12. At the Mexico meeting (2017), the Sub-Committee considered following topics for the Theme and Congress Questions 64 and 65 proposed by the Central Office.

Theme: Tackling Water Scarcity in Agriculture

Question 64: Innovative water resources that could be tapped for irrigated agriculture?

Question 65: On-farm techniques for saving water?

13. The Committee decided that the topics for the Theme and Questions for the Congress will be evolved through discussions by correspondence or virtual meetings before 69th IEC meeting. Once topics for Theme and Questions for the 25th ICID Congress are approved, ICID CO will facilitate development of further proposals.

14. The Sub-Committee may suggest topics for the Theme and Questions 64 and 65 for the 24rd ICID Congress for the consideration of PCTA for making appropriate recommendation to the Council.

Sub-Committee Agenda Item 7: Theme and Sub-Themes for 4th World Irrigation Forum, 2022

15. The Committee noted that the venue for the 4th World Irrigation Forum is yet to be fixed; however, decided to discuss the Themes and Sub-Themes for WIF4 through virtual meetings and correspondence by 69th IEC meeting. The list of topics for Themes and Sub-Themes covered/decided upto WIF3, together with the Themes for World Water Forums (WWFs) up to 8th WWF can be accessed or downloaded from http://www.icid.org/wwf-wwf_topics.pdf. The Central Office will facilitate the development of proposal for the Theme and Sub-Themes.

16. The Sub-Committee may suggest the topics for the Theme and Sub-Themes for WIF4 for the consideration of PCTA in order to make appropriate recommendation to the Council.

SUPP: 16A. In consultation with PH Prof. Gao Zhanyi, Chair, the following topics have been suggested for consideration of the members of the Sub-Committee as Theme and Sub-Themes for WIF4 (2022) and come up with their suggestions at the meeting:

Theme: Modernization of Irrigation Schemes

Sub-Themes: - Policy and strategy for modernization of irrigation schemes

- Technology for modernization of irrigation schemes

- Investment for modernization of irrigation schemes

- Performance Assessment of Irrigation Schemes

17. The first three topics are suggested in view of the rapid development of modernization in all sectors, including irrigation sector, driven by IT and automation technology, the high labor costs and the need to manage resources precisely and efficiently. The last topic is suggested as the issue of identifying and prioritising the schemes for rehabilitation is a pertinent issue.

Sub-Committee Agenda Item 8: A Review of the Technical Outputs of 23rd Congress Questions

18. The Sub-Committee may consider the outcome of the 23rd ICID Congress placed at **Annex 2** and make appropriate recommendations.

Sub-Committee Agenda Item 9: Any Other Business



**ACTION TAKEN REPORT ON THE MINUTES OF THE
Fourth Meeting of SC-E-THEMES
08 October 2017, Mexico City, Mexico**

Item	PCTA Recommendation	Decision of 68 th IEC	Action Taken
4. Review the outcome of WIF2, Chiang Mai, Thailand and Suggest Follow-ups			
	Endorsed the recommendation of the Sub-Committee that the technical outputs of Congress Questions could be improved and monitored continually and measures be taken to increase the quality of papers with the focus to answer the designated questions, while encouraging the NCs and WBs to organize and recommend authors to write and submit the relevant papers.	Endorsed by the Council by accepting the Report of PCTA.	This aspect is proposed to be brought to the attention of ITAC for 24 th Congress, when it is constituted for taking care of the technical aspects of the event.



THE 23rd ICID CONGRESS: TOWARDS A NEW GREEN REVOLUTION 2.0

The 23rd International Congress on Irrigation and Drainage was held from 8-14 October 2017 in Mexico City, Mexico. The main theme of the Congress was “Modernizing Irrigation and Drainage for a new Green Revolution”. An ‘Abstract Volume’ and a USB containing full papers was published for the Congress and made available to the delegates. The general rapporteurs for the thematic questions of the Congress, Dr. Gao Zhanyi for question 60 and Mr. Ding Kunlun for question 61, presented the gist based on 151 papers and posters submitted from more than 25 countries.

As a result of intense deliberations, the following recommendations that emerged for Question 60 and Question 61 that can be summarized as follows:

Question 60: Water Productivity: Revisiting the Concepts in Light of Water, Energy and Food Nexus

1. To improve irrigation services through modernization, there is need to revisit water productivity by identifying challenges and opportunities. Various water saving measures should be passed through the water-energy-food prism for identifying challenges in associated domains and help find opportunities.
2. Investing in improving irrigation technologies and techniques help saving agricultural water and can improve equitability of distribution amongst the common stakeholders but the technology transfer is important through capacity building.
3. Many techniques are available, especially the ICT based ones and also the measurement techniques for assessing the actual releases and regulating them. Water losses at the field level have been minimized using a suite of techniques.
4. Volumetric extraction systems for aquifers allow monitoring of allocated and recharge volumes from aquifers.
5. Water reuse/ recycle needs assessment of site specific conditions in the contexts and should avoid stakeholder conflicts for water transfers and adoption of structural and operational reforms.
6. Water, energy and food nexus has multidimensional features and is compounded by climate and social changes as has been revealed by studies in a number of countries across the globe.
7. Water footprint indicators seem to be useful in assessing water management in irrigated areas. Various water management techniques adopted, strongly influence the water footprints for specific crops at the field level.
8. Considerable advances are being made in the satellite image processing areas as well as simulation modeling, which need be leveraged for better impact assessment of measures adopted or proposed for sectoral water management.
9. Water security has environmental and social aspects. While managing an extreme situation, both have to be considered in conjunction with each other. Analysis of water laws and legal frameworks to achieve sustainable water management leading to water security is necessary.
10. Challenges of water security emerging from international basins need be addressed through cooperation mechanisms based on principles of international water law.
11. User’s role in water management is important at the basin level and need to be coordinated with better information dissemination.
12. To achieve water security through reuse/ recycle of water, policies have to take associated health issues into account.

Question 61: State of Knowledge of Irrigation Techniques and Practicalities within Given Socio-Economic Settings

1. The definition of precision agriculture evokes different understanding amongst the community covering a wide range of options and technologies for application management at the field level and also the necessary decision support in a spatial and temporal manner for directing water in a required manner.
2. Advances in technologies like ICT and cloud-based computing models for real time decision support coupled with accurate determination of the status in the field using drones enable the application to large areas with multiple holdings as against large farms only in the past.

3. ET based irrigation scheduling has the potential to improve on-farm efficiency.
4. The importance of organizing small farm holder community and ensuring institutional support is required for making the benefits of modernization reach them effectively.
5. Role of operating decisions play an important part in improving irrigation efficiencies and it is required that operations may be kept simple to avoid irrigator errors.
6. A number of software tools are available for simulating for irrigation system evaluation, design and operational analysis. Further progress in this area is required for using better infiltration models while maintaining computational speeds.
7. New technologies have to be adaptable in order to reap benefits after their implementation. Scaling up effects should be properly understood before large scale implementation and adoption by the user communities.
8. Adaptability of the technologies should be seen in various contexts of climatic conditions, environmental and socioeconomic conditions and then their validity should be determined.
9. Land tenure and size of landowners are important factors for adaptation of new irrigation technologies particularly in developing countries. However, new approaches like land pooling and cooperative farming can provide windows of opportunities to implement the techniques and thereby improve efficiencies.



**AGENDA FOR THE 3RD MEETING OF
WORKING GROUP ON WATER SAVING IN IRRIGATED AREAS (WG-WATS)**

15 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: (a) water accounting and irrigation auditing (and other ancillary uses); (b) irrigation water measuring devices; (c) assessment of water loss in various components of irrigation systems; (d) various methods and techniques used for water saving in irrigation; (e) policies and strategies for irrigation water saving; (f) charging for Irrigation Services; (g) success stories and best management practices in water saving; (h) tools and processes applied in irrigation water saving; (i) outreach of water saving technologies; and (j) WatSave Awards.

(Chair Mehrzad Ehsani vide email of 16 May 2018 has informed that due to ongoing difficulty in obtaining visa, it may not be possible for him to attend the Canada meeting this year.)

WG-WATS Agenda Item 1: Action taken report by Chair¹

1. The Chair/ Vice Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico City in October 2017.
2. ICID CO vide e-mail dated 8 December 2017 to all Chairs/ Vice Chairs/ Secretaries has suggested work bodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. No virtual meeting of the WG could be organised since last meeting of the WG in Mexico in October 2017. In this connection PCTA in its meeting in Mexico in October 2017 accepted the recommendation of the Sub-committee to investigate the structure, scheduling of meetings and membership of working groups (SC-SSMWG) that WG Chairs make the WG meetings technically more attractive by taking preparatory steps through virtual meetings of the WGs before preparing the agenda for the meetings.
3. The Japanese National Committee (JNCID) has nominated Dr. Tasuku Kato while the Egyptian National Committee (ENCID) has nominated Eng. (Ms) Hala Ramadan El-Sayed Ismail and Dr. Mohamed ElHagarey for the membership of the Working Group. Mr. Kamal Kumar Jangid (India) and Mr. Dhuha Mahmood Hussein (Iraq) have not contributed to the activities of the group during last two years. As recommended by the WG, the Central Office followed-up with the National Committees of India and Iraq for their contribution or else replacement however, there is no response from them. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: In response to follow up of ICID Central Office, Mr. Kamal Kumar Jangid vide his email of 10 July has informed that he has withdrawn his membership from the WG.

WG-WATS Agenda Item 2: Road Map to ICID Vision 2030 - Status of activities on water saving in irrigated areas

4. During Mexico meeting in October 2017, WG reviewed road map (**Annex 2**) and identified some initial ideas and deliverables for the WG. Brief update on actions initiated on these are given below for further deliberation during Canada meeting.
 - (a) **GOAL A: Activity 3.2 – Best Practices and Successful story on water saving:** At Mexico meeting, Chair Mehrzad Ehsani, Panel of Expert for Question 60.1, participated and presented the General Report and outcome of Question 60.1. As a part of wider sharing of information, ENCID has come out with a book on “Water saving in irrigated agriculture in Egypt- case studies and lessons learned” jointly authored by Mohamed Hassan Amer; Sayed Ahmed Abd El-Hafez; and Mohamed Bakr Abdel Ghani, a copy of which has been shared by ENCID with ICID CO library. Member from Egypt may like to share further information/copy of book with WG members. WG may like to have a look into the publication and encourage other members/NCs to come up with similar publications as part of WG activity.

¹ This will also include details of membership of WG as **Annex**

- (b) **GOAL B: Activity 1.4 – Policy and legal approaches to water saving:** During the Mexico meeting, in order to finalize the questionnaire, the group decided that Chair Mehrzad Ehsani (Iran), Dr. Adama (Mali), Dr. Gerhard Backeberg (South Africa), and Mr. Dalgin (Turkey) would submit their comments and recommendations to Ms. Mu Jianxin (China) towards finalization of questionnaire. Accordingly, in January 2018, the ICID Central Office has followed-up the members to provide their views/ comments to Ms. Jianxin Mu. Ms. Jianxin/ representative from Chinese National Committee (CNCID) will provide further updates.
- (c) **GOAL B: Activity 1.5 – Water charging Policies:** During Mexico meeting, Chair Mehrzad Ehsani presented the draft framework on “Agricultural Water Charging” and the group discussed it and decided to circulate it to all NCs. Accordingly, in March 2018, the ICID Central Office has disseminated the draft framework to all National Committees and members of the WG with a request to collect information and submit the completed framework to Chair Mehrzad Ehsani. In response, (i) Dr. Dominique Rollin (France) has provided two documents titled (i) “Irrigation Policies in France” authored by Sebastien Loubier, Thierry Ruf and Patrice Garin; (ii) Water Pricing in France: Toward More Incentives to Conserve Water by Marielle Montginoul, Sébastien Loubier, Bernard Barraqué, and Anne-Laurence Agenais for use in preparation of technical book; (iii) VPH Larry D Stephens has provided “A General Description of Irrigation Water Charging in the United States”; (iv) Mr. Abdullahi Hassan Hussein (Somalia) has provided Somalia report on technical framework titled “Agricultural Water Charging”; (v) Mr. Gao Lihui (China) has provided country report for the technical book. VP Dr. (Ms.) Irene Bondarik (Russia) has informed that draft text with tables and pictures is ready however, it needs to be translated to English version. Eng. Thubelihle Theme (Zimbabwe) has informed they are in the process of completion of a technical book on water charging while Mr. Momir Vranes (Australia), and Dr. Marco Arcieri (Italy) have informed that they will provide the report by second week of June 2018. Chair/ Vice Chair will provide further updates.
- (d) **GOAL B: Activity 1.11 – State of the Art on Water saving:** At Mexico, the group decided to prepare an overview paper on the above subject highlighting the most recent researches and newest ideas and submit it for publishing in ICID Journal on Irrigation and Drainage. Dr. Joe Stevens and VPH Dr. Gerhard Backeberg agreed to finalize the draft framework and send to WG members for submitting their National experience to develop the paper. In response to ICID Central Office’s request, in May 2018, Dr. Stevens has informed that the framework has been circulated to all members of WG twice for their inputs/ contributions however, there is no response from them. WG Chair and Dr. Stevens are of the opinion that if there is no response in spite of reminding the members then there is no choice except to submit the South African situation and experiences for its publication in ICID Journal on Irrigation and Drainage. Dr. Joe Stevens/ representative may provide further updates.
- (e) **GOAL C: Activity 4.8 –Condensed overview of existing key books, manuals, guidelines and other relevant publications on water saving:** At Mexico meeting, Mr. Yazdekhashti (Iran) was busy on the main theme of the Congress Question 61 so the item was not discussed however, it was decided that he would provide updates on the topic of water saving in the Canada meeting. Accordingly, in January 2018, the Central Office has followed-up with Mr. Yazdekhashti to provide the progress on the work however, there is no response. Secretary Mr. Yazdekhashti will provide further updates at the meeting.

5. During the Mexico meeting, the 68th International Executive Council (IEC) encouraged WGs to monitor the progress of ‘Activities identified under Various Strategies for Action Plan 2017-21’ appended to ‘A Road Map to ICID Vision 2030’ and report to their respective Permanent Committees. Accordingly, in January 2018, the Central Office has requested the Chairs of the Work bodies to monitor the progress of achieving milestones as indicated in the Action Plan and report status to the concerned Permanent Committee to enable the Theme Leaders to take stock of the progress of the Work body in achieving the Action Plan in their synthesis report.

WG-WATS Agenda Item 3: Presentation by the WatSave Award winner(s)

6. During Mexico meeting, Mr. Chris Norman from Australia, the winner of WatSave Technology Award 2017 presented his contribution on "Saving Water in Northern Victoria, Australia" and the group appreciated it. During the meeting, Chair informed that many works received for WatSave Awards were in good range and in some cases it was very difficult to choose the best one from them. WG also suggested to appreciate the ones who have submitted their works for WatSave Award but not selected as the best one by issuing a certificate of appreciation by ICID Central Office.

7. ICID Central Office, in consultation with the WG Chair, would invite the WatSave Award winners 2018, who would be present during IEC meeting to receive award in person, to share their experience and present their respective works in the WG meeting.

WG-WATS Agenda Item 4: Dissemination of activities of WG – Website of the group

8. At Mexico, Chair Mehrzad Ehsani encouraged members for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to be up to date with new developments, methods and approaches. In January 2018, the Central Office has followed-up with WG members to provide interesting articles/ papers/ presentations/ documents related to the mandate of the WG from the respective countries and National Committees for uploading it on the ICID website. Chair/ Vice Chair will provide further updates and WG may like to deliberate in the matter to encourage members to share information for wider dissemination.

WG-WATS Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. The group discussed about the updating of MTD at Mexico meeting and after discussion, it was proposed to forward the comments/ suggestions to the new task force of MTD. The Central Office has followed-up with the members to review the terms of MTD related to the mandate of the WG and submit their inputs to WG Chair. The WG may discuss the updating of MTD at the meeting and report the progress to TF-MTD.

WG-WATS Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Saskatoon, Canada after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 16 August 2018.

A. Members and their attendance at 2016 and 2017 meetings

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Mr. Mehrzad Ehsani, Chairman (Iran)	2015	•	•	•	•	
2.	VPH Adama Sangare, Vice Chairman (Mali)	2015	•	•	•	•	
3.	Mr. Mortaza Yazdekhasti - Young Professional, Secretary (Iran)	2016	•		•		
4.	Prof. (Ms.) Kyung-Sook Choi (Korea, Rep. of)	2015	•	•	•		
5.	VPH M. Hassan Amer (Egypt)	2015		•	#	•	
6.	Dr. Hassan Aboalbasher Ali (Sudan)	2015	•				
7.	Dr. P. Soman – Direct Member, Jain Irrigation Systems Limited – JISL (India)	2015	•	•		•	
8.	Dr. Joe Stevens (South Africa)	2016	# ²	•	#		
9.	Ms. Jianxin Mu (China)	2016	•	•	•		
10.	Mr. Kamal Kumar Jangid (India)	2016					No contribution, recommended for discontinuation after Canada meeting if no contribution.
11.	Mr. Yalçın Dalgin (Turkey)	2016			•		
12.	Mr. Dhuha Mahmood Hussein (Iraq)	2016					No contribution, recommend-ded for discontinuation after Canada meeting if no contribution.
13.	Mr. Mohammed Alaa Dheyaa as Young Professional (Iraq)	2016		•			
14.	Eng. S. Mohanarajah (Sri Lanka)	2015				•	
15.	Mr. Abijit Joshi – Direct Member, JISL (India)	2015				•	
16.	Dr. Ashfaq Ahmed Sheikh (Pakistan)	2017				•	
17.	Prof. Michele Perniola (Italy)	2017			#		
18.	Secretary General, ICID		•		#		
Permanent observers							
(i)	Mr. S.P. Jadhav – Direct Member, JISL (India)	2015		•			
(ii)	IWMI Representative (Mr. Ian W. Makin – UK)	2015		•			

² #Through representation

Sl. No.	Members	Member from (Year)	2016		2017		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
(iii)	FAO Representative (Ms. Robina Wahaj)	2015		•			

B. New nomination received from the National Committees

Sl. No.	Name	Country	Remarks
(1)	Dr. Tasuku Kato	Japan	Recommended as member, subject to his presence else provisional member
(2)	Eng. (Ms) Hala Ramadan El-Sayed Ismail	Egypt	Recommended as member, subject to her presence else provisional member
(3)	Dr. Mohamed ElHagarey	Egypt	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORKBODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A3. Strategy: Improving water saving techniques and technologies	3.1 Support Watsave award winner selection	Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards
	3.2 Best Practices and Successful Story on Water Saving	Documents	Workshop on Watsave awards	Announcing annually for watsave awards and selecting successful stories	Announcing annually for watsave awards and selecting successful stories	Announcing annually for watsave awards and selecting successful stories	Setting up 10 years respective work as the documents and release by CO (2010 - 2020)
Goal B: Be a catalyst for change in policies and practices							
B1. Strategies: Supporting development of appropriate policies	1.3 Disseminate the water saving award technologies	Workshop proceedings					
	1.4 Policy and legal approaches to Water Saving	Policies/ Document	Breakdown the works in the WG	-Workshop -Designing and preparing questionnaire to collect data	Collecting and reviewing relevant laws and regulations from NC	Providing first draft	Finalize the book on policies and strategies drives on water saving
	1.5 Water Charging policies	Position paper	Define responsibility in WG	Designing Standard questionnaire	Reviewing Water Charging procedure on NC	Providing first paper	Final Paper
	1.11 State of the art on water saving	Journal Paper		Preparation of the draft of first paper	Submission of first paper for IRD	Preparation of the draft of second paper	Submission of second paper for IRD
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategies: Providing knowledge sharing platform for AWM professionals	1.1 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Seminar/ Symposium on Water Saving	Workshop			Workshop
C4. Strategy: Compile, collate and share knowledge and experiences	4.8 Condensed overview of existing key books, manuals, guidelines and other relevant publications on water saving	Technical report		Release the first report		Release the second report	Release of third report

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)



