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Agenda

Sixty Eighth Meeting of
International Executive Council (IEC)
&
Pre-Council Meetings of Workbodies
8 - 14 October 2017, Mexico City, Mexico

**ICID Central Office
New Delhi**

August 2017

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Agenda for the Sixty Eighth Meeting of
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID
Mexico City, Mexico

Opening Plenary (First Session): 10 October 2017, 09:00 – 10:30 hours
Second Session: 14 October 2017, 09:00 – 12:30 hours
Third Session: 14 October 2017, 13:30 – 17:00 hours

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**AGENDA FOR THE 68TH MEETING OF
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID**

Mexico City, Mexico

Opening Plenary (First Session): 10 October 2017, 09:00 – 10:30 hours

Second Session: 14 October 2017, 09:00 – 12:30 hours

Third Session: 14 October 2017, 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): 10 October 2017, 09:00 – 10:30 hours

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

1. President Dr. Saeed Nairizi 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 Chiang Mai IEC meeting, throw light 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 Vision to Action, International Research Program on Irrigation and Drainage, Technical Support Unit that need their 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. VP Dr. Ding Kunlun, Chairman, PCTA and VP 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 productive.

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

4. The representative of National Committee of Somalia will make presentations to showcase the activities of Somali NC (SONCID), and share some important aspects regarding the agriculture water management scenario in Somalia. The NC looks forward to feedback and suggestions from the members on conclusion of the presentation.

IEC Agenda Item 4: Presentation of Awards: WatSave, Best Paper, Best Performing National Committee, Best Performing Workbody, 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 PH Dr. Gao Zhanyi (China), as the Chair and VPH Laurie Tollefson (Canada), VP Prof. Charlotte de Fraiture (The Netherlands), VP Prof. Dr. Abdelhafid Debbarh (Morocco) and Mr. Mehrzad Ehsani, Chair, WG-WATS (Iran) as the members for evaluation of the nominations received for WatSave Awards 2016. 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 2016, the best paper will be announced by Chair of EB-JOUR, PH Prof. Dr. Bart Schultz to be given as Best Paper Award for 2017.

IEC Agenda Item 4.3: Presentation of 6th Best Performing National Committee Award (BPNA-6)

8. A Panel of Judges comprising PH Dr. Gao Zhanyi (China) as Chair and VP Dr. Mohamed Wahba (Egypt), VP Dr. Ding Kunlun (China), VP Bong Hoon Lee (Korea) as members, besides President and Secretary General ICID acting as resource persons, has been constituted for evaluating the nominations received for BPNA-5. The Chair will introduce the Best Performing NC based on the work undertaken during the last three years and the President will present the trophy and citation plaque to the winner.

IEC Agenda Item 4.4: Presentation of 5th Best Performing Workbody Award (BPWA-5)

9. A Panel of Judges chaired by Dr. Saeed Nairizi, President, ICID (Iran), PH Dr. Gao Zhanyi (China), VP Dr. Ding Kunlun, Chair, PCTA (China) and VP Bong Hoon Lee, Chair, PCSO (Korea) as members and Secretary General, as the member-secretary was constituted to evaluate the nominations received for BPWA-5.

10. The SG will introduce the Best Performing WB based on the work undertaken during the last three years and the President will present the “Plaque/Certificate” to the winner.

IEC Agenda Item 4.5: Recognition of Heritage Irrigation Structures (HIS)

11. The Chair of the Panel of Judges VP 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 “Heritage Irrigation Structures” and later included in the ICID Register of HIS on Council's approval. The representative of the NC whose HIS have been recognized and recommended to be included in the ICID Register of HIS will be handed over a “Plaque/Certificate” to this effect.

Second Session: 14 October 2017, 09:00 – 12:30 hours

IEC Agenda Item 5: Action Taken Report on the decisions of 67th IEC and the decisions taken by the Management Board (MB)

12. Actions on all the decisions by the 67th IEC were initiated/completed during the year. A brief report on the action taken on the decisions of the 67th 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

13. Secretary General Er. Avinash Tyagi will briefly present the Annual Report 2016-17, already circulated, and also present the physical and financial progress on activities undertaken during the period from April 2017 till date to the Council, including report on cooperation and collaboration with various international organizations.

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

14. Co-Theme Leaders of Strategy Theme “Schemes”, VP Dr. Ding Kunlun (China), VP Ian Makin (UK) and VP Dr. Irene Bondarik (Russia) will make a presentation on Strategy Theme “Schemes” 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

15. The revised IRPID Scheme (http://www.icid.org/irpid_scheme.pdf), approved by 67th IEC vide Resolution IEC-3/67 has been notified vide Notification No.6 of 2017 dated 23 February 2017 among ICID National Committees NCs requesting them to establish Regional Nodes within the framework of revised IRPID Scheme, in order to promote research in irrigation and drainage to achieve ICID's Vision of 'Water secure world free of poverty and hunger through sustainable rural development'.

16. Currently two Regional Nodes are functioning – one at Tehran hosted by Iranian NC and other at Beijing hosted by Chinese NC.

17. The Council may provide further suggestions 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)

18. VPH Laurie Tollefson, Chairman, PFC will present his report on the 38th meeting of the PFC (to be held on 09 October). The agenda of PFC is given at **Appendix I, page 23**. As Chair of the 'Task Force to review the membership structure and annual membership subscription formulae', the PFC Chair will also present the report of TF highlighting the 'Financial Sustainability of ICID' as an organization in light of the Road Map to ICID Vision 2030.

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

19. VP Bong Hoon Lee, Chairman, PCSO will present his report on the 28th meeting of PCSO (to be held on 12 October). The agenda of PCSO is given at **Appendix II, page 37**.

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

20. VP Dr. Ding Kunlun, Chairman, PCTA will present his report on the 37th meeting of PCTA (to be held on 13 October). The agenda of PCTA is given at **Appendix X, page 83**.

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

21. 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 & PCTA, are placed as **DR-1/68 and DR-2/68 (pages 19 and 20)**.

Third Session: 14 October 2017, 13:30 – 17:00 hours

IEC Agenda Item 10: Vision to Action

22. The Consultative Group (CG) to develop 'Draft ICID Vision 2030 Document' was entrusted with the task of developing a Draft Action Plan 2030 based on the Vision, Mission and six Organizational Goals approved at the 66th IEC meeting in Montpellier in 2015. Accordingly, the Convener of the CG presented the Draft Action Plan at the 67th Council meetings in Chiang Mai in 2016. Various WGs and RWGs identified various activities in Chiang Mai. However, the Council while considering the CG report, endorsed the need to provide more time to WGs and NCs who could not provide their inputs on time, and desired that the Action Plan be finalized and presented at the 68th IEC meeting in Mexico City in 2017.

23. The Action Plan, which also includes inputs from WGs and NCs who were able to provide their inputs within the time line endorsed by IEC at Chiang Mai, has now been finalized by CG and compiled into "A Road Map to ICID Vision 2030" which can be accessed or downloaded from <http://www.icid.org/icid_vision2030.pdf>. The Road Map includes the new vision, mission, organizational goals, and strategies to put Vision into Action. It also includes an Action Plan for 2017-21 where the activities identified by the various WGs, RWGs, NCs and Central Office to implement these strategies. The Road Map will be launched by the President at the plenary session of 68th IEC.

24. The activities identified in the Action Plan as part of the Road Map, are initially for a period of five years, beginning from 2017 to 2021. As the activities are living and quite dynamic in nature, the Council may consider setting up a mechanism to monitor the progress achieved under various strategies under the six organizational goals of ICID. A draft resolution reflecting the Council's decision is presented as **DR-3/68, page 21**.

IEC Agenda Item 11: Task Force on Revitalization of ICID Network (TF-REV)

25. Vide Resolution IEC-3/66, the 66th Council meeting at Montpellier in October 2015 decided to set up a Task Force to study the reasons responsible for the gradual withdrawals of National Committees (NCs) from Europe from the membership of ICID and other issues faced by the NCs, with a broadened scope and asked the TF-REV to present its report at the 67th IEC meeting at Chiang Mai.

26. The 67th Council meeting at Chiang Mai in November 2016 considered the report of TF and accepted its broad recommendations wherein the TF recommended that its term may be extended for one more year to analyze the ToR on the reasons for the withdrawal of the European NCs in the recent past. The Council accordingly decided to extend the term of TF-REV one more year to present its recommendations on ToR 3 'To take stock of the constitution of various NCs of Europe, and study their financial operational arrangements' and ToR 4 on '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 members of ICID' at the 68th IEC meeting in Mexico.

27. Based on the additional inputs gathered from European NCs, the TF report presented at 67th IEC meeting has been appropriately modified and sent to ERWG for their recommendations on ToRs 3 and 4 concerning the issues faced by European NCs. The revised draft report of TF-REV sent to ERWG on 18 May 2017 for its inputs, can be accessed or downloaded from <http://www.icid.org/revitalization_report.pdf>. The Chair of TF will present the report, including the broad recommendations on ToRs 3 and 4, at the Council meeting for its consideration and approval.

IEC Agenda Item 12: Task Force to Guide the Partnership Process (TF-GPP)

28. A Task Force to Guide the Partnership Process (TF-GPP) has been set up under the chairmanship of Dr. Saeed Nairizi, 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 can support the HLAG in taking forward the key initiatives such as (i) Recognition of AWM as a significant component of SDG 2 & 6; (ii) Development of specific AWM indicators and (iii) Knowledge integration through sharing best AWM practices, techniques, manuals, knowledge and practical know how.

29. The first virtual meeting of TF-GPP chaired by President Dr. Saeed Nairizi was held on 06 July 2017 wherein it was decided to organize the first HLAG meeting during the 23rd ICID Congress at Mexico City in October 2017.

30. The outcome of the HLAG meeting will be presented at the Council meeting by Chair, TF-GPP for its information and further guidance.

IEC Agenda Item 13: Report of Sub-Committee on possible changes in Constitution/By-laws

31. As per the decision of 67th Council meeting in Chiang Mai last year, a Sub-Committee has been set up with the following mandate to look at the possible changes in the Constitution and By-laws under the chairmanship of PH Peter Lee (UK), with VPH Felix Reinders (South Africa), VP Bong Hoon Lee (Korea), VPH Ragab Ragab (UK) as members and SG Avinash C. Tyagi as member-secretary of the Sub-Committee.

- (a) Granting dual membership of the members of the National Committee as well as ICID with a single subscription.
- (b) Changes in membership of the WGs, particularly with regard to admitting more than one member from a National Committee in a WG other than nominated YP member based on recommendation of the Sub-Committee to Investigate the Structure, Scheduling of Meetings and Membership of Working Groups (SC-SSMWG)
- (c) Recommendations of Task Force on Revitalization of ICID Network (TF-REV)
- (d) Recommendations of Task Force to Review the Membership Structure and Annual Membership Subscription Formulae (TF-AM)
- (e) Any other changes that may be put up to the Committee for its consideration.

32. In accordance with Article 12 of the constitution regarding amendments to the Constitution and By-laws, the Report of the Sub-Committee on Constitution and By-laws was circulated to the National Committees of ICID on 13 July 2017 (*more than 2 months in advance of the IEC meeting*), with the request to provide their comments / suggestions by 15 August 2017.

33. The Chairman of the Committee, PH Peter Lee will present his report (**Annex 3**, page 11) and provide an update to the Council. The draft resolution reflecting the Council's decision is presented as **DR-4/68, page 22**.

IEC Agenda Item 14: Status of Future ICID Conferences / Congresses / Forums

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

- (a) 8th Asian Regional Conference, Kathmandu, Nepal, 2-4 May 2018
- (b) 69th IEC and International Conference, Saskatoon, Canada, 12-17 August 2018
- (c) 9th International Micro Irrigation Conference, Aurangabad, January 2019
- (d) 70th IEC and 3rd World Irrigation Forum, Bali, Indonesia, October 2019
- (e) 71st IEC and 24th Congress, Sydney, Australia, 22-28 September 2020

35. Representatives of NENCID, CANCID, 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.

36. ICID Central Office has circulated an e-mail dated 12 May 2017 to all the National Committees of ICID inviting proposals for hosting the following future ICID events:

- (a) 27th European Regional Conference (2020 onwards)
- (b) 5th African Regional Conference (2020 onwards)
- (c) 72nd International Executive Council (2021)

37. Till the time of preparation of the agenda notes, no proposal has been received in the Central Office for hosting the above events.

IEC Agenda Item 15: Election of the Office-Bearers 2017-2020

38. The 3-year term (2014-2017) of President Dr. Saeed Nairizi and three Vice Presidents listed below will conclude at the end of the 68th and 23rd ICID Congress at Mexico City and its appurtenant study tours, as per the provisions of Articles 7.2.3 and 7.2.4 of the ICID Constitution.

Dr. Mohamed Abd-El-Moneim Wahba (Egypt)
 Dr. Ding Kunlun (China)
 Mr. Bong Hoon Lee (Korea)

39. In response to the Central Office's circular inviting nominations for the positions of President and three Vice Presidents for the term 2017-2020, the following nominations were received in the Central Office by the due date of receipt i.e. 14 June 2017, 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. K. Yella Reddy	India	01 May 2017	Valid
2	Dr. Kamran Emami	Iran	07 June 2017	Valid
3	Dr. Brian T. Wahlin	USA	10 June 2017	Valid
4	Mr. Naoki Hayashida	Japan	12 June 2017	Valid

40. No nomination was received for the position of President, ICID by the due date. However, in exercise of *ICID By-law 2.5 – Nomination by President*, the nomination for the position of President can be received up to one month prior to the IEC meeting. Accordingly, the nomination was invited from South African National Committee of ICID (SANCID), who have nominated VPH Felix Reinders for the position of President, ICID.

IEC Agenda Item 16: Nomination of the New Secretary General, ICID

41. In accordance with the Article 7.6 of ICID Constitution dealing with the recruitment of the new Secretary General; President, as Chair of the Management Board, nominates the new Secretary General. Based on the nomination made by the President, the Council approves the nomination and appoints the Secretary General.

Accordingly, the President, acting as Chair of the Management Board, will present his proposal, nominating the new Secretary General for the consideration of the Council.

IEC Agenda Item 17: Presentation of ICID Plaques to Retiring President, Vice Presidents and Chairs of Workbodies

IEC Agenda Item 17.1: Retiring President and Vice Presidents

42. Citation plaques will be presented to the retiring President and three Vice Presidents for their services and guidance to the ICID activities during their tenure 2014-2017.

Dr. Saeed Nairizi	Iran	President	2014-2017
Dr. Mohamed Abd-El-Moneim Wahba	Egypt	Vice President	2014-2017
Dr. Ding Kunlun	China	Vice President	2014-2017
Mr. Bong Hoon Lee	Korea	Vice President	2014-2017

IEC Agenda Item 17.2: Retiring Chairs of Workbodies

43. 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.

- (a) PH Prof. Dr. Bart Schultz (The Netherlands), Chairman, SC-E-THEMES (2014-2016)
- (b) VPH Felix B. Reinders (South Africa), Chairman, WG-ON-FARM (2004-2016)
- (c) Dr. Sylvester Mpandeli (South Africa), Chairman, AFRWG (2013-2016)
- (d) Dr. Laszlo G. Hayde (Hungary), Chairman, ERWG (2010-2015)
- (e) Dr. Luis Felipe Alcocer (Mexico), Chairman, C-CONGR (2016-2017)

IEC Agenda Item 18: Any other business by the permission of the Chair



Annex 1 [IEC Item 5, Para 12]

**ACTION TAKEN REPORT ON THE DECISIONS ON THE
MINUTES OF 67TH IEC MEETING**

Sl. No.	Item	Decisions	Action Taken
1.	Recognition of Heritage Irrigation Structures (HIS)	The Council 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-1/67 (Sr. No.1)	To approve the nominations of Mr. Ali Reza Salamat (Iran) as a member and Mr. Hazim Ibrahim Othman Mohammed (Iraq) as a provisional member of PFC.	The decision has been communicated to the newly admitted members of PFC.
3.	Resolution IEC-1/67 (Sr. No.2)	Approved the nominations of (i) Dr. Ashish Pandey (India); (ii) Prof. Umesh C. Chaube (India); (iii) Asian Development Bank (Philippines); (iv) Dr. R. Mahesh (India) and (v) Central Board of Irrigation & Power (India) as direct members.	The decision has been communicated to new direct members and certificates have been issued to them.
4.	Resolution IEC-1/67 (Sr. No.3)	Approved the declaring of Czech Republic as an 'Associate Member' from 1 January 2017 in accordance with By-laws 13.2	Czech Republic was requested to clear membership subscription for current year and also the arrears for the last four years vide e-mail dated January 2017.
5.	Resolution IEC-1/67 (Sr. No.4)	Approved the debarring of Brazil, Italy, Malaysia, Nigeria, Saudi Arabia, Spain and Zimbabwe from participating in elections in accordance with By-law 13.1.	The NCs of Brazil, Italy, Malaysia, Nigeria, Saudi Arabia, Spain and Zimbabwe have been requested to clear membership subscription for current year and also the arrears for the last three years vide e-mail dated January 2017. Italy is in the process of clearing their arrears.
6.	Resolution IEC-1/67 (Sr. No.5)	Approved the admission of Somalia as a member of ICID in accordance with By-law 9.	The decision of IEC has been communicated to Somalia admitting them as a member of ICID.
7.	Resolution IEC-2/67 (Sr. No.1)	Approved the revised composition and mandate for SC-E-THEMES, together with the permanent mechanism for formulating themes and topics for various ICID events, including triennial Congresses and WIFs.	Notified the revised composition and mandate of SC-E-THEMES vide Notification No.13 of 2017 dated 05 May 2017.
8.	Resolution IEC-2/67 (Sr. No.2)	Approved the hosting of WSH Secretariat at ICID Central Office.	WSH Secretariat is being hosted at ICID Central Office.
9.	Resolution IEC-2/67 (Sr. No.3)	Approved the establishment of new WBs/Existing WBs with revised mandates, viz. (i) TF for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD); (ii) WG on Water for Bio-Fuel and Food (WG-Bio-Fuel); and (iii) WG on Irrigation Development and Management (WG-IDM)	Notified the setting up of the TF and WGs to all NCs.

Sl. No.	Item	Decisions	Action Taken
10.	Resolution IEC-2/67 (Sr. No.4)	Approved the closure of WG-DROUGHT and WG-CAFM.	These WBs have been formally closed with the acceptance of their closure reports.
11.	Resolution IEC-2/67 (Sr. No.5)	Approved the extension of the tenures of WGs on TF-REV, WG-IDSST, WG-SDTA, WG-HIST and WG-PQW for one more year.	Decision has been notified to concerned WBs.
12.	Resolution IEC-2/67 (Sr. No.6)	Approved the proposals submitted by INACID to host 3 rd World Irrigation Forum and 70 th IEC Meeting in Bali, Indonesia in October 2019; and IACID to host 24 th ICID Congress and 71 st IEC meeting in September 2020, Sydney, Australia.	The decision has been communicated to respective NCs.
13.	Resolution IEC-2/67 (Sr. Nos.7&8)	Approved the setting up of a dedicated Task Force to provide support to the High Level Advisory Group.	A TF on Global Partnership Process (TF-GPP) has been set up vide notification No.11 of 2017 dated 24 March 2017. The TF is mandated to provide support to the High Level Group on “Partnerships for Agriculture Water Management” which is being established as per the declaration of the Ministerial meeting in Chiang Mai on 6 November 2016.
14.	Resolution IEC-3/67	Adopted IRPID Scheme.	Notified among stakeholders vide Notification No.6 of 2017 dated 23 February 2017.



Annex 2 [IEC Item 5, Para 12]

**IMPORTANT DECISIONS TAKEN BY THE
MANAGEMENT BOARD ON BEHALF OF IEC
BETWEEN
67TH IEC MEETING (CHIANG MAI, NOVEMBER 2016) AND
68TH IEC MEETING (MEXICO CITY, OCTOBER 2017)**

(And the actions taken thereon)

Decision	Request
I. Virtual Management Board Meeting No.1/17, 17 January 2017 (via Web Conferencing)	
1. MB approved inclusion of VP Dr. Waseem Nazir as a member of CG-Vision	Endorsement by IEC is solicited.
2. MB approved the holding of series of Webinars as an efficient tool to disseminate and share knowledge and vast expertise available within and outside ICID fraternity.	Endorsement by IEC is solicited.
3. MB approved the staff matters such as (i) revised medical allowance rules for ICID staff; (ii) reconstitution of ICID Pay Adjustment Committee and (iii) Provisional dissolution of ICID Staff Contributory Provident Fund Trust.	Endorsement by IEC is solicited.
II. Virtual Management Board Meeting No.2/17, 26 April 2017 (via Web Conferencing)	
4. Approved the process for appointment of new Secretary General and the constitution of a Selection Committee for the same.	Endorsement by IEC is solicited.
5. Approved the revised Human Resources Plan for ICID Central Office in view of newly adopted Vision, Mission and Goals of ICID.	Endorsement by IEC is solicited.
III. Virtual Management Board Meeting No.3/17, 23 May 2017 (via E-mail)	
6. MB approved proposed negotiated rates of subscription for "Irrigation & Drainage" for the year 2018 @ US\$ 48 for "Online" and US\$ 59 for "Online + Print" for ICID member subscriptions which will be placed before PFC prior to its approval in 68 th IEC.	Endorsement by IEC is solicited.
7. Approved the newly proposed dates of 2-7 May 2018 (limited to 3/4 days) for holding the 8th Asian Regional Conference in Kathmandu, Nepal as proposed by the Nepal National Committee of ICID vide their e-mail dated 18 May 2017.	Endorsement by IEC is solicited.



**REPORT OF THE
SUB-COMMITTEE TO LOOK AT THE POSSIBLE CHANGES
IN CONSTITUTION / BY-LAWS**

A. BACKGROUND

The International Executive Council at its 67th meeting held in Chiang Mai, Thailand on 12 November 2016, approved the suggestion of dual membership for National Committee members in the National Committee as well as in ICID with a single subscription and requested Secretary General to come up with appropriate amendments in ICID Constitution and By-laws consequent upon this decision and present the same in the 2017 meeting of the Council in Mexico City.

The Council also noted the suggestion by PCTA to allow more than one member from one NC in a WG and approved the setting up of a Sub-committee consisting of Strategy Theme Leaders and the Secretary General to investigate the structure, scheduling of meetings and membership of the WGs and changes, if any, required to be taken up in the Constitution or By-laws that would be presented at the Mexico meeting of the Council.

Following 67th IEC's observations and decision, the Management Board at its first Virtual Meeting (MB1/17) held on 17 January 2017 constituted a Sub-Committee to look at the possible changes in Constitution and By-laws and to come up with suitable amendments, notified vide Notification No.7 of 2017 dated 20 April 2017. The composition and mandate of the Committee, thus constituted are given below:

Composition

1. President Hon. Peter Lee	Chair
2. VPH Felix Reinders	Member
3. VP Bong Hoon Lee	Member
4. VPH Ragab Ragab	Observer
5. Er. Avinash C. Tyagi	Member Secretary

Mandate

- (i) Granting dual membership of the members of the National Committee as well as ICID with a single subscription.
- (ii) Changes in membership of the WGs, particularly with regard to admitting more than one member from a National Committee in a WG other than nominated YP member based on recommendation of the Sub-Committee to Investigate the structure, scheduling of meetings and membership of Working Groups (SC-SSMWG)
- (iii) Recommendations of Task Force on Revitalization of ICID Network (TF-REV)
- (iv) Recommendations of Task Force to Review the Membership Structure and Annual Membership Subscription Formulae (TF-AM)
- (v) Any other changes that may be put up to the Committee for its consideration.

B. RECOMMENDATIONS

4. The Committee considered the issues of granting dual membership and deliberated on the recommendations of TF-REV and SC-SSMWG at its Virtual meeting held on 30 June 2017. Accordingly, the Sub-Committee suggested suitable amendments to the existing Constitution and By-laws that have been in force since 2014. The Committee has taken special care in defining terms such as 'dual membership' and 'National Committee' in order to capture the intent and purpose in its entirety.

5. To have an 'at a glance' look, the existing text and proposed amendments suggested by the Committee are given side by side in a tabulated form at **Annexures 1 and 2** of this report.

6. The constitution and by-laws in its complete form, clearly indicating the changes proposed by the Sub-Committee which can be accessed or downloaded from http://www.icid.org/icid_constitution_11072017.pdf and http://www.icid.org/icid_bylaws_11072017.pdf.



Annexure 1 to Annex 3 (Para 5)

EXISTING / PROPOSED CHANGES IN ICID CONSTITUTION

Sl. No.	Existing	Proposed Changes	Comments by National Committees, if any
1	<p>ARTICLE (2) – OBJECTS</p> <p>Mission</p> <p>2.1 The Mission of the International Commission on Irrigation and Drainage is to stimulate and promote the development of the arts, sciences and techniques of engineering, agriculture, economics, ecology and social science in managing water and land resources for irrigation, drainage, flood management and river training applications, including research and development and capacity building, adopting comprehensive approaches and up-to-date techniques for sustainable agriculture in the world.</p>	<p>ARTICLE (2) – OBJECTS</p> <p>Vision</p> <p><u>2.1 The Vision of the International Commission on Irrigation and Drainage is a “Water secure World, free of poverty and hunger through sustainable rural development”.</u></p> <p>Mission</p> <p>2.2 The Mission of the International Commission on Irrigation and Drainage is to work together towards sustainable agriculture water management through inter-disciplinary approaches to economically viable, socially acceptable and environmentally sound irrigation, drainage and flood management.</p> <p>Organisation Goals</p> <p>2.3 The Commission set following six organisation goals to achieve its vision and mission:</p> <ul style="list-style-type: none"> (i) <u>Enable higher crop productivity with less water and energy</u> (ii) <u>Be a catalyst for change in policies and practices</u> (iii) <u>Facilitate exchange of information, knowledge and technology</u> (iv) <u>Enable cross disciplinary and inter-sectoral engagement</u> (v) <u>Encourage research and support development of tools to extend innovation into field practices</u> (vi) <u>Facilitate capacity development</u> 	<p>Taking recognition of the ICID Vision 2030 adopted by IEC in its 66th Meeting in Montpellier</p>
2	<p>Scope</p> <p>2.2 The Commission in achieving its mission may consider the following objectives:</p>	<p>Scope</p> <p>2.4 The Commission in achieving its <u>vision and mission</u> may consider the following objectives:</p>	<p>Taking recognition of the ICID Vision 2030 adopted by IEC in its 66th Meeting in Montpellier</p>
3	<p>2.3 The Commission will accomplish its mission by:</p>	<p>2.5 The Commission will accomplish its <u>vision and mission</u> by:</p> <p>Added:</p> <p>(g) <u>Promoting capacity development programmes and encouraging participation of Young Professionals in agriculture water management sector as well as activities of the Commission, and</u></p>	<p>Taking recognition of the ICID Vision 2030 adopted by IEC in its 66th Meeting in Montpellier</p>
4	<p>ARTICLE (3)– MEMBERSHIP</p> <p>Basis of Membership</p> <p>3.3 Individuals, institutions and companies from those countries that are not a Member of ICID, or those countries where the constitution of the National Committee does not have provision for the participation of individuals, institutions or companies, can become a direct member (Article 5) of ICID, provided they abide by the constitution of ICID.</p>	<p>ARTICLE (3)– MEMBERSHIP</p> <p>Basis of Membership</p> <p>3.3 <u>Individuals, institutions and companies that actively participate in the activities of the National Committees automatically become constituent members of ICID.</u> Individuals, institutions and <u>corporates</u> from those countries that are not a Member of ICID, or those countries where the constitution of the National Committee does not have provision for the participation of individuals, institutions or companies, can become a direct member (Article 5) of ICID, provided they abide by the constitution of ICID.</p>	<p>Dual membership is defined as “constituent members”. NEW</p>

Sl. No.	Existing	Proposed Changes	Comments by National Committees, if any
5	<p>ARTICLE (4) – NATIONAL COMMITTEES</p> <p>Composition</p> <p>4.1 Each National Committee may be constituted in the manner desired by each country in conformity with the provisions of this Constitution but it is recommended that, as far as possible, each National Committee shall be composed of representatives of officers of government(s), technical and scientific organizations, government and non-government institutions, irrigators, companies and individuals with interests concerned with, or desirous of promoting and furthering the mission and objectives of the Commission.</p>	<p>ARTICLE (4) – NATIONAL COMMITTEES</p> <p>Composition</p> <p>4.1 Each National Committee may be constituted in the manner desired by each country in conformity with the provisions of this Constitution but it is recommended that, as far as possible, each National Committee shall be composed of representatives of government <u>departments</u>, technical and scientific organizations, government and non-government institutions, irrigators, companies and individuals with interests concerned with, or desirous of promoting and furthering the <u>vision mission</u> and <u>objectives goals</u> of the Commission.</p> <p>Added:</p> <p>4.2 <u>A National Committee may be constituted by a group people (minimum 12) having an interest in furthering the vision and goals of the Commission and willing to work voluntarily, provided they satisfy the Commission of the group’s position to represent the country and act effectively as a National Committee. The National Committee shall provide appropriate documentation of its constitution and registration in accordance with the laws and customs of the country.”</u></p>	<p>New Definition of NCs is proposed for those countries where Govt institutions are not in the forefront and professionals in the country wish to come together to form a NC</p>
6	<p>ARTICLE (5) – DIRECT MEMBERS</p> <p>5.1 Direct membership of the Commission may comprise:</p> <p>(a) Individual Members; (b) Corporate Members; or (c) Institutional Members.</p>	<p>ARTICLE (5) – DIRECT MEMBERS</p> <p>5.2 Direct membership of the Commission may comprise:</p> <p>(d) Direct Individual Members; (e) Direct Corporate Members; or (f) Institutional Members.</p>	<p>{Comment: Moved to By-law Clause 9.2</p>
7	<p>5.3 Direct membership shall be open to any individual, institution or companies that meet the criteria of articles 3.3 and 3.4. In addition to individuals, direct members may comprise government and non-government institutions; technical, scientific and educational organisations; and private companies or private institutions/ organisations with interests in and desirous of promoting and furthering the mission and objectives of the Commission.</p>	<p>5.2 Direct membership shall be open to any individual, institution or companies <u>corporate body</u> that meet the criteria of articles 3.3 and 3.4. In addition to individuals, direct members may comprise government and non-government institutions; technical, scientific and educational organisations; and private companies or private institutions/ organisations with interests in and desirous of promoting and furthering the mission and objectives of the Commission.</p>	
8	<p>ARTICLE (6) – INTERNATIONAL EXECUTIVE COUNCIL</p> <p>Decisions</p> <p>6.12 In the interest of furthering the mission and objectives of the Commission, the Council may take all such action as it may consider necessary within the framework of this Constitution.</p>	<p>ARTICLE (6) – INTERNATIONAL EXECUTIVE COUNCIL</p> <p>Decisions</p> <p>6.12 In the interest of furthering the <u>vision</u>, mission and <u>objectives goals</u> of the Commission, the Council may take all such action as it may consider necessary within the framework of this Constitution.</p>	
9	<p>Notification to Banks</p> <p>7.11 Information about the exigency mentioned in Articles 7.9 and 7.10 will be given to the Banks by the President, in order to</p>	<p>Notification to Banks</p> <p>7.11 Information about the exigency mentioned in Articles 7.9 and 7.10 will be given to the Banks by the President, in order to enable the continuance of operations on the accounts of the Commission by a</p>	<p>{Comment: No more required}</p>

Sl. No.	Existing	Proposed Changes	Comments by National Committees, if any
	<p>enable the continuance of operations on the accounts of the Commission by a designated employee until the recovery of the Secretary-General or the appointment of the new Secretary-General as the case may be. The Banks shall also be informed that instead of the Secretary-General, until further notice, the President, shall act as the First Trustee of the ICID Contributory Provident fund.</p>	<p>designated employee until the recovery of the Secretary-General or the appointment of the new Secretary-General as the case may be. The Banks shall also be informed that instead of the Secretary-General, until further notice, the President, shall act as the First Trustee of the ICID Contributory Provident fund.</p>	
10	<p>Secretary-General: Responsibilities</p> <p>7.18 In addition to other duties outlined herein, the Secretary-General shall be directly responsible for the promotion of ICID, for the development and maintenance of relationships with international organizations, and for carrying out studies and promoting good policies for irrigation and drainage practices worldwide.</p>	<p>Secretary-General: Responsibilities</p> <p>7.18 In addition to other duties outlined herein, the Secretary-General shall be directly responsible for the promotion of ICID, for the development and maintenance of relationships with international organizations, and for carrying out studies and promoting good policies for <u>agriculture water management including</u> irrigation and drainage practices worldwide.</p>	
11	<p>ARTICLE (11) – DUES, SUBSCRIPTIONS AND FUNDS</p> <p>Annual Subscriptions</p> <p>11.1 In order to defray the cost of the activities of the Commission or for special purposes, the Member National Committees and direct Members shall regularly pay to the order of the Secretary-General annual subscriptions (in as near the beginning of each calendar year as may be possible) on the basis pre-determined by the Council. National Committees of Member countries and direct members shall also pay such other special subscriptions as may be determined by the Council.</p>	<p>ARTICLE (11) – DUES, SUBSCRIPTIONS AND FUNDS</p> <p>Annual Subscriptions</p> <p>11.1 In order to defray the cost of the activities of the Commission or for special purposes, the Member National Committees and direct Members shall regularly pay to the order of the Secretary-General annual subscriptions (in as near the beginning of each calendar year as may be possible) on the basis pre-determined by the Council. National Committees of Member countries and direct members shall also pay such other special subscriptions as may be determined by the Council. <u>Membership subscription will be on a calendar year basis.</u></p>	



Annexure 2 to Annex 3 (Para 5)

EXISTING / PROPOSED CHANGES IN ICID BY-LAWS

Sl. No.	Existing	Proposed Changes	Remarks by National Committees, if any
1	<p>3.5 Limitation on Members: The membership of the work bodies shall be on an honorary basis (at least so far as the Commission is concerned). No person shall be a member of more than three (3), work bodies not counting Office-Bearers Committee, Management Board or Staff Committee. Direct members shall be the members of not more than three (3) work bodies. Members of work bodies not contributing by their attendance/correspondence for two consecutive years shall be replaced on the recommendations of the Chairman of the work body. For a wider representation of countries in a workbody, not more than two nominations from one country shall be accepted, provided one of the two nominees is a young professional.</p>	<p>3.5 Limitation on Members: The membership of the work bodies shall be on an honorary basis (at least so far as the Commission is concerned). No person shall be a member of more than three (3), work bodies not counting Office-Bearers Committee, Management Board or Staff Committee. Direct members shall be the members of not more than three (3) work bodies. Members of work bodies not contributing by their attendance/ correspondence for two consecutive years shall be replaced on the recommendations of the Chairman of the work body. For a wider representation of countries in a <u>permanent</u> workbody, not more than two one nominations from one country shall be accepted: <u>In the case of a temporary work body, not more than four members may be nominated by a particular National Committee, provided at least one of the additional members is a young professional, and together they do not exceed 20% of the strength of the work body.</u></p>	<p>Changes as suggested by the (SC-SSMWG)</p>
2	<p>3.9.4 The Permanent Committee for Technical Activities (PCTA)</p> <p>(b) The Permanent Committee for Technical Activities will be composed of the Secretary-General, a minimum of nine and a maximum of fifteen elected members, as well as ex-officio members. The Chairperson of this Committee shall be chosen at the Executive Council meeting either from among the Office-Bearers (preferably those in offices) elected to this Committee or others who shall have been in service on the Commission at the time of appointment of the Chairperson. The Chairpersons of the work bodies reporting to the Permanent Committee on Technical Activities (PCTA) shall be the ex-officio members of the Committee.</p>	<p>3.9.4 The Permanent Committee for Technical Activities (PCTA)</p> <p>(b) The Permanent Committee for Technical Activities will be composed of the Secretary-General, <u>who will act as the Secretary of the Committee</u>, a minimum of nine and a maximum of fifteen elected members, as well as ex-officio members. The Chairperson of this Committee shall be chosen at the Executive Council meeting either from among the Office-Bearers (preferably those in offices) elected to this Committee or others who shall have been in service on the Commission at the time of appointment of the Chairperson. The Chairpersons of the work bodies reporting to the Permanent Committee on Technical Activities (PCTA) shall be the ex-officio members of the Committee.</p>	<p>To ensure compatibility in the working of all the three permanent committees.</p>
3	<p>3.9.5 The Permanent Committee on Strategy and Organization (PCSO)</p> <p>(a) The Permanent Committee on Strategy and Organization (PCSO) will undertake issues related to strategic planning for ICID and shall be concerned with expanding the ICID network by increasing the number of member countries, assisting the National Committees to become more active in their own countries and to achieve goals set for them from time to time, and increasing the participation of Direct members. The Committee will coordinate the activities of the Vice-Presidents in this area.</p>	<p>3.9.5 The Permanent Committee on Strategy and Organization (PCSO)</p> <p>(a) The Permanent Committee on Strategy and Organization (PCSO) will undertake issues related to strategic planning for ICID and shall be concerned with expanding the ICID network by increasing the number of member countries, assisting the National Committees to become more <u>broad-based and</u> active in their own countries and to achieve goals set for them from time to time, and increasing the participation of Direct members. The Committee will coordinate the activities of the Vice-Presidents in this area.</p>	

Sl. No.	Existing	Proposed Changes	Remarks by National Committees, if any
	<p>(c) The Permanent Committee on Strategy and Organization will be composed of the incumbent Vice-Presidents, the Secretary-General 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>(c) The Permanent Committee on Strategy and Organization will be composed of the incumbent Vice-Presidents, the Secretary-General, <u>who will act as the Secretary of the Committee</u>, 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>To ensure compatibility in the working of all the three permanent committees.</p>
4	<p>BY-LAW (4) – INTERNATIONAL EXECUTIVE COUNCIL</p> <p>4.1.2 Contents of Agenda: The agenda shall include the following: (i) Report and recommendations of the Management Board</p>	<p>BY-LAW (4) – INTERNATIONAL EXECUTIVE COUNCIL</p> <p>4.1.2 Contents of Agenda: The agenda shall include the following: (i) DELETED</p>	
5	<p>5.8 Obligations of the Host National Committee</p> <p>5.8.2 For a Congress, WIF, and IEC meeting: In addition to the requirements of rules as may be prescribed from time to time, the host National Committee will assume the following obligations:</p> <p>(c) One delegate each from international organizations participating in UN-Water, up to a maximum of five, as may be approved by the Council, when invited by the ICID Central Office, will be allowed to participate without payment of registration fee. Management Board shall review the list of invitees exempted from payment of registration fees every year and recommend to the Council appropriate changes as necessary.</p> <p>(e) Provide fifty percent waiver in registration fee to five Young Professional (below the age of forty years) participating in the event.</p>	<p>5.8 Obligations of the Host National Committee</p> <p>5.8.2 For a Congress, WIF, and IEC meeting: In addition to the requirements of rules as may be prescribed from time to time, the host National Committee will assume the following obligations:</p> <p>(c) One delegate each from international organizations participating in UN-Water, up to a maximum of five <u>ten</u>, as may be approved by the Council, when invited by the ICID Central Office, will be allowed to participate without payment of registration fee. Management Board shall review the list of invitees exempted from payment of registration fees every year and recommend to the Council appropriate changes as necessary.</p> <p>(e) Provide fifty percent waiver in registration fee to five <u>ten</u> Young Professional (below the age of forty years) participating in the event.</p>	
6	<p>5.9 Transactions of a Congress/Forum</p> <p>5.9.2 The procedure to be followed by the Central Office for the distribution of Transactions to intending participants in a Congress/Forum shall be as follows:</p> <p>(b) As soon as the printed copies of the Transactions are ready, the Central Office shall send to each member National Committee, Corporate members and Institutional members two copies and each individual member one copy, for their record and use by surface mail.</p>	<p>5.9 Transactions of a Congress/Forum</p> <p>5.9.2 The procedure to be followed by the Central Office for the distribution of Transactions to intending participants in a Congress/Forum shall be as follows:</p> <p>(b) As soon as the printed copies of the Transactions are ready, the Central Office shall send to each member National Committee, Corporate members and Institutional members two copies and each direct individual member one copy, for their record and use by surface mail.</p>	

<p>7</p>	<p>BY-LAW (9) – FORM OF APPLICATION FOR MEMBERSHIP</p> <p>9.2 The forms to be filled in by the potential direct members shall be as prescribed by the Council and modified from time to time and set out in the Handbook of Practices.</p>	<p>BY-LAW (9) – FORM OF APPLICATION FOR MEMBERSHIP</p> <p>9.2 The forms to be filled in by the potential direct members shall be as prescribed by the Council and modified from time to time and set out in the Handbook of Practices. <u>Direct membership of the Commission may comprise:</u></p> <p>(a) <u>Direct Individual Members;</u> (b) <u>Direct Institutional Members, or</u> (c) <u>Direct Corporate Members.</u></p> <p>Added:</p> <p>9.3 <u>All the members of a National Committees, whose list and contact details are provided by the Chairperson or Secretary, and updated from time to time, shall be provided a certificate recognizing them as constituent member of ICID, which will run concurrent with the membership of the NC.</u></p>	<p><i>Shifted from Article 5.1 of the Constitution</i></p>
<p>8</p>	<p>BY-LAW (10) – PARTICIPATION OF NON-MEMBERS IN A CONGRESS/FORUM</p> <p>10.1 Purpose</p> <p>ICID encourages the participation of non-members in Congress/Forum, provided the host National Committee and the Central Office have no objection to their participation. The overall aim is to ensure maximum possible cooperation among all stakeholder in irrigation, drainage and flood management of the world and others to promote the mission and objectives of the Commission and to encourage all to derive benefits therefrom.</p>	<p>BY-LAW (10) – PARTICIPATION OF NON-MEMBERS IN A CONGRESS / FORUM</p> <p>10.1 Purpose</p> <p>ICID encourages the participation of non-members in Congress/Forum, provided the host National Committee and the Central Office have has no objection to their participation. The overall aim is to ensure maximum possible cooperation among all stakeholder in irrigation, drainage and flood management of the world and others to promote the mission and objectives of the Commission and to encourage all to derive benefits therefrom.</p>	
<p>9</p>	<p>10.2 Conditions of Participation</p> <p>Apart from such other conditions as may be laid down by the Council, the following shall apply.</p> <p>(b) Non-members may submit papers for discussions at a Congress/Forum provided the papers are accepted by the Review Committee / Central Office and processed according to the accepted procedures.</p>	<p>10.2 Conditions of Participation</p> <p>Apart from such other conditions as may be laid down by the Council, the following shall apply.</p> <p>(b) Non-members may submit papers for discussions at a Congress/Forum provided the papers are accepted by the Review Committee /Central Office and processed according to the accepted procedures.</p>	

<p>10</p>	<p>13.2 Three Years in Arrears</p> <p>13.2.1 In case of non-payment of annual subscription for a period of three years or more, the member NC shall be designated as “Associate Member”, provided that before reaching such decision the Council shall have given an opportunity to the NC to clear the arrears of subscription by a specified date.</p>	<p>13.2 Three Years in Arrears</p> <p>13.2.1 In case of non-payment of annual subscription for a period of three years or more, the member NC shall be designated as “Associate Member”, provided that before reaching such decision the Council shall have given an opportunity to the NC to clear the arrears of subscription by a specified date. <u>Consequently, members of the NC shall also lose their constituent membership of ICID simultaneously.</u></p>	
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DR-1/68 [IEC Item 9.4, Para 21]

**INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-1/68: 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. L.B. Roy (India) – Life Membership (Individual)
 - (ii) Mr. Klaus Rottcher (Germany) - Individual
 - (iii) Dayu Water Saving Group Co. Ltd. (China) – Company
 - (iv) Electrosteel Castings Ltd. (India) – Company
3. That the National Committees of ___ and ___ be declared as “Associate Member” from 1 January 2018 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 2016-17 as given in **Annex 1** (of PFC Agenda), **page 31**.
6. To approve the Revised Budget of ICID for the Financial Year 2017-18 and the Budget for the financial year 2018-19 as given in **Annex 2** (of PFC Agenda), **page 36**.
7. To approve the Registration Fee Structure for the _____ and _____ meetings.
8. Approve the recommendations of Task Force to Review the Membership Structure and Annual Membership Subscription Formulae (TF-AM) as given in **Annex __, page __**.

Appreciates

1. The NC of Thailand for contributing the appropriate share of the registration fee for the WIF2 and 67th IEC to the ICID Budget.
2. The Ministry of Water Resources, People’s Republic of China for providing a special subscription of US\$ 50,000 for carrying out various ICID activities during the Financial Year 2016-17.
3. World Meteorological Organization and African Asian Rural Development Organization (AARDO) for supporting participation of Young Professional in various activities of ICID.

Requests

1.
2.
3.



INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-2/68: 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 comprehensive Technical Support Program (TSP) as given in **Annex 3 of WG-CDTE Agenda, page 124**.
3. To approve the new/existing workbodies with revised mandate on the topics under thematic area of Basin:
 - (i)
 - (ii)
 - (iii)
4. To approve the recommendations of TF-REV in terms of its remaining ToRs 3 and 4 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) to support the activity of TSU and providing funds for undertaking the activity in North Korea.

Requests

2. National Committees to contribute towards the Fund created for undertaking activities of the Technical Support Program (TSP) and take full advantage of its establishment of the Unit. Urges NCs to depute volunteers from time to time to undertake the activities of TSP.



INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-3/68: A ROAD MAP TO ICID VISION 2030

THE Council

Considering the Report of the Consultative Group to develop Draft ICID Vision 2030 Document set up by President ICID, in consultation with Secretary General, ICID as per Article 3.9.8 of ICID By-laws, vide Notification No.9 of 2014 dated 26 November 2014,

Noting the recommendations of PCSO and the endorsement of the Management Board,

Decides

1. To set up a mechanism to monitor the progress of ‘ Activities identified under Various Strategies for Action Plan 2017-21’ appended to **A Road Map to ICID Vision 2030**.

2.

Requests

1.

INTERNATIONAL EXECUTIVE COUNCIL (IEC)**DRAFT RESOLUTION IEC-4/68: CHANGES IN THE CONSTITUTION AND BY-LAWS OF ICID****THE Council**

Considering the Report 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 Article 2.1 - Vision, Article 2.2 - Mission, Article 2.3 - Organizational Goals; Article 2.4 - Scope; Article 3.3 – Membership, Articles 4.1 & 4.2 – Composition of National Committees; Articles 5.1 & 5.2 – Direct Members; Article 6.12 – IEC; Article 7.11 – Notification to Banks; Article 7.18 – Secretary General: Responsibilities; and Article 11.1 – Annual Subscriptions as listed in **Annex ___ of IEC Agenda, page ___**.
2. To adopt the amendments to the By-laws 3.1 – Limitation on Members; By-laws 3.9.4 (b) – Permanent Committee for Technical Activities (PCTA); By-laws 3.9.5 (a)&(c) - The Permanent Committee on Strategy and Organization (PCSO); By-laws 4.1.2 (i) – Contents of Agenda; By-laws 5.8 (5.8.2 (c)&(e)) – Obligations of the Host National Committee; By-laws 5.9 (5.9.2(b)) – Transactions of a Congress/Forum; By-laws 9 (9.2&9.3) – Form of Application for Membership; By-laws 10 (10.1&10.2) – Participation of Non-Members in a Congress/Forum and By-laws 13.2 – Three Years in Arrears of the ICID By-laws as listed in **Annex ___ of IEC Agenda, page ___**.

Requests

3. 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 38TH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)**

09 October 2017: 13:30-15:00 hours (Session I)

09 October 2017: 15:30-17:00 hours (Session II)

Mexico City, Mexico

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. Laurie Tollefson, Chairman (Canada, 2013); (2) President Hon. Prof. Dr. Bart Schultz (The Netherlands, 2011); (3) Mr. Hao Zhao (China, 2012); (4) Ms. Serpil Koylu Dalgin (Turkey, 2012); (5) Mr. Naoki Hayashida (Japan, 2014); (6) Engr. Husnain Ahmad (Pakistan, 2014); (7) Vice President Dr. Irene Bondarik (Russia, 2014); (8) Mr. Ali Reza Salamat (Iran, 2016); (9) Mr. Hazim Ibrahim Othman Mohammed, Provisional Member (Iraq, 2016) and (10) Er. Avinash C. Tyagi, 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 2016	66.47	September 2016	66.54	February 2017	66.66
May 2016	67.14	October 2016	66.64	March 2017	64.81
June 2016	67.42	November 2016	68.53	April 2017	64.24
July 2016	66.61	December 2016	67.90	May 2017	64.43
August 2016	66.91	January 2017	67.44	June 2017	64.52

1. A conversion rate of US\$1 = ₹ 66 was assumed in the forecast for the FY 2016-17 on the basis of exchange rate in the preceding 15 months commencing from April 2015 to June 2016. 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 2016 to June 2017, an exchange rate of US\$ 1 = ₹ 66 has been assumed for the Revised Budget (proposed) for the FY 2017-2018, Budget for FY 2018-19 and Preliminary Budget for 2019-2020 and Forecast Budget for the FY 2020-2021.

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 maximum of 15 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. President Hon. Prof. Dr. Bart Schultz shall be retiring at the conclusion of the Mexico City IEC on completion of six years on the committee.

5. So far, no new nominations have been received for Committee's membership.

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 five applications for new Direct Membership (DM). Out of these five, the following four applications have been found to be complete in all respects.

Sl. No.	Name of Applicants	Country	Type of Membership Applied for
1.	Mr. L.B. Roy	India	Life Membership (Individual)
2.	Dayu Water Saving Group Co. Ltd.	China	Company
3.	Electrosteel Castings Ltd.	India	Company
4.	Mr. Klaus Rottcher	Germany	Individual

8. The CO has sent the applications at sr. nos. 1 & 3 to the INCSW for NOC. Confirmations have been received against these applications. The Chinese National Committee (CNCID) has forwarded the DM application at sr. no.2, and hence no need for NOC in its case. For applicant at sr. no.4, the NOC is not required as Germany is no more a member of ICID. The CO has sent the above four applications to the DMA Sub-Committee for its consideration and granting provisional direct memberships as per the guidelines laid down for the purpose.

9. During the year, Dr. R. Mahesh, Central Board of Irrigation and Power (CBIP), Mr. Abdul Basheer and India Water Foundation (IWF) renewed their direct membership. Out of fifteen Direct Members admitted under various categories so far, the twelve of them continue to be active.

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 19 active National Committees were in arrears of subscription for 2015 and 2016 as indicated in paras below:

11. Total amount of arrears for the year 2016 (other than the current year) at the time of preparation of agenda, is US\$ 38,503 with the NCs of Ethiopia, India, Malawi, Myanmar (*who agreed to pay in five installments of US\$1293 each, however only first installment received*), Niger, Romania, and USA in arrears.

12. For the years 2015 and 2016, total amount of arrears at the time of preparation of agenda is US\$ 45,057 with the NCs of Chad, Italy, Madagascar, Morocco, Tanzania, Tajikistan and Ukraine in arrears. 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 Office Bearer or as a member of a work body until such time the arrears are paid.

13. At the time preparation of the agenda notes, the Saudi Arabian NC continues to be in arrears of their membership subscription for the last three years, i.e. 2014 (US\$ 3,820), 2015 (US\$ 3,935) and 2016 (US\$ 3,935), besides the subscription for the year 2017 (US\$ 3,935). Several requests have been made to Saudi Arabian NC to clear their balance of subscription. The Committee may like to take a note of this and recommend further action.

14. At the time of preparation of the agenda notes, the NCS of Brazil, Nigeria, Spain, Zimbabwe continue to be in membership subscription arrears for the years -- 2014, 2015 and 2016, besides the membership subscription for the year 2017. 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 debarring them from holding office whether it be as Office Bearer or as a member of a work body until such time the arrears are paid.

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

PFC Agenda Item 4.1: 4th African Regional Conference on Irrigation and Drainage, Cairo, Egypt, 26-28 April 2016

15. ICID provided financial support of US\$37,895 to the Egyptian National Committee on Irrigation and Drainage (ENCID) for organizing the Training Program for Young Professionals from Africa on 'On-farm water use and management' from 17-25 April 2016 in Cairo, Egypt.

16. ENCID has made a special contribution to ICID budget amounting to US\$ 2,734 as its 5% share from the registration fee collected (US\$ 54,680) for the 4th African Regional Conference held in Cairo, Egypt, 26 - 28 April

2016. The Committee may like to record its appreciation to ENCID for the successful organization of the Regional Conference and contribution to ICID budget.

PFC Agenda Item 4.2: 67th IEC and 2nd WIF Meeting, Chiang Mai, Thailand, 08-12 November 2016

17. Thai National Committee on Irrigation and Drainage (THAICID) has made a special contribution to ICID budget amounting to US\$ 80,159 as its 35% share from the registration fee collected (US\$ 229,025) for the 67th IEC and 2nd WIF meetings held in Chiang Mai, Thailand from 08-12 November 2016. The Committee may like to record its appreciation to THAICID for the successful organization of 67th IEC and 2nd WIF meetings and contribution to ICID budget.

PFC Agenda Item 4.3: 13th International Drainage Workshop, Ahwaz City (Khuzestan Province), Iran, 04-07 March 2017

18. The 13th International Drainage Workshop was held in Ahwaz city (Khuzestan Province), Iran, from 04-07 March 2017. The Iranian National Committee on Irrigation and Drainage (IRNCID) has agreed to pay a special contribution to ICID budget amounting to US\$ 1,000 as its 5% share from the registration fee collected (US\$ 20,000) for The Committee may like to record its appreciation to IRNCID for the successful organization of 13th International Drainage workshop and contribution to ICID budget.

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

19. The financial arrangements for the 69th IEC and America Regional Conference, Saskatoon, Canada during 12-17 August 2018; 8th Asian Regional Conference in Nepal, 02 - 04 May 2018; 9th Micro Irrigation Conference, Aurangabad, India, January 2019; 70th IEC and 3rd World Irrigation Forum (WIF), Bali Indonesia, October 2019; and 71st IEC and 24th Congress, Sydney, Australia, 22-28 September 2020 were already approved as per minutes of the 37th meeting of PFC of 67th IEC Meeting and are reproduced below in a tabular format.

Venue / Year	Kathmandu, Nepal, 2018	Saskatoon, Canada, 2018	Aurangabad, India, 2019	Bali, Indonesia, 2019	Sydney, Australia, 2020
Event	8th ARC	69th IEC and Regional Conference	9th IMIS	70th IEC and 3rd WIF	71st IEC and 24th Congress
Full Registration	\$500	\$ 750	\$ 500	\$ 800	\$ 800
Non-Member Fee	\$650				\$ 900
Young Professional (International)	\$250	\$ 375	\$ 250	\$ 400	\$ 400
Young Professional (Local)			\$ 100		
Local Delegates	\$150	\$ 400	\$ 200	\$ 200	\$ 800
Retired Professionals (International)	\$250	\$ 375	\$ 250	\$ 400	\$ 400
Retired Professional (Local)			\$ 100		
Accompanying Persons (International)	\$150	\$ 300	\$ 200	\$ 300	\$ 300
Accompanying Persons (Local)			\$ 100		

20. Host NCs of the respective ICID events may provide the registration fees for various categories that have been left blank in the table given above.

PFC Agenda Item 6: Consider the audited accounts of ICID for the year 2016-17

PFC Agenda Item 6.1: Auditor's Report

21. The Auditor's Report (abridged) for the financial year (1 April 2016 to 31 March 2017) is given at **Annex 1**. The PFC may consider and recommend the audited accounts for the year 2016-17 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:

22. The total annual subscription amount receivable from the 59 active National Committees for the year 2016 was US\$ 255,615. Against this, a sum of US\$ 161,440 was received by 31 March 2017. This shows 63.16% realization of the total subscription for the year 2016 as against 65.69% during the year 2015, which is a matter of

concern. Please be informed that 40 out of 59 active members paid their subscription for the year 2016 as on 31 July 2017. In addition, outstanding subscription arrears amounting to US\$ 37,615 for the year 2015, US\$ 25,930 for the year 2014 and US\$ 3,685 for the year 2013 were also received during the financial year.

PFC Agenda Item 6.2: Foreign Currency Accounts

23. The Foreign Currency Accounts with Canara Bank, New Delhi and HSBC Bank, London were also audited. These bank accounts have been incorporated in the audited accounts of the Commission for the period ending 31 March 2017. Briefs on these accounts are as follows:

24. The total receipts during the year 2016-17 in the Foreign Currency Account (US Dollars) with Canara Bank, New Delhi was US\$ 159,499. The total receipts during the year 2016-17 in the Foreign Currency Account (Euro(€)) with Canara Bank, New Delhi was € 15,953.

25. In the HSBC Bank plc., London, money is parked in three fixed deposits totaling to US\$ 132,592. Besides, during FY 2016-17, the balance in Current Account was US\$ 34,799. During the year 2016-17, the receipts was US\$ NIL and a payment of US\$ 81 (as bank charges) was made.

PFC Agenda Item 6.3: ICID Employees Provident Fund Trust

26. The Provisional Balance Sheet as on 31 March 2017 and Provisional Receipt and Payment Account for the year ending 31 March 2017 of the ICID Employees Provident Fund Trust were audited. The amount credited to the subscribers (staff) Accounts, as on 31 March 2017, was in ₹ 63,75,360 (US\$ 96,596) compared to an amount of ₹ 52,47,953 (US\$ 79,514) as on 31 March 2016. The deficit in the EPF Trust account was at ₹ 15,33,803 (US\$ 23,239) as on 31 March 2017, which was relatively decreased from an amount of ₹ 2,404,242 (US\$ 36,428) as on 31 March 2016.

PFC Agenda Item 7: Budget and Expenditure for the FY 2016-17

PFC Agenda Item 7.1: Comparison of budget estimates and actual expenditure for FY 2016-2017

27. A summary of the outlay for 2016-17 approved by IEC in the last meeting and payment made upto 31 March 2017 is presented at **Annex 2**. Against the anticipated receipts of ₹ 84.05 million (US\$ 12,73,530), the actual receipts were ₹ 80.64 million (US\$ 12,21,806). There is an overall surplus of ₹ 1.29 million (US\$ 19,591) in the FY 2016-17. The actual payments made during 2016-17 were ₹ 79.35 million (US\$ 12,02,215) against the anticipated budgeted payment of ₹ 83.69 million (US\$ 12,68,045).

SPECIAL SUBSCRIPTIONS

(a) Chinese National Committee on Irrigation & Drainage (CNCID)

28. A sum of ₹ 3.35 million (US\$ 50,000) were received during the FY 2016-17 as a Special Subscription from CNCID/Ministry of Water Resources, China in five tranches for ICID activities such as to establish seed fund of World Irrigation and Drainage Prize; supporting Young Irrigation Professionals and select delegates from developing and least developed countries to attend ICID meetings; organizing an international seminar on water-saving irrigation of cash crops; and organizing the related activities. So far, an expenditure of ₹1.44 million (US\$ 21,890) were incurred towards these activities as on 31st July 2017.

(b) Japanese National Committee of ICID (JNC-ICID)

29. A sum of ₹ 0.31 million (US\$ 5,000) was received from JNC-ICID for supporting the publication of Special issue of ICID Journal on Sustainable Development in Tidal Areas (SDTA).

(c) Korean National Committee on Irrigation and Drainage (KCID)

30. A sum of ₹ 1.25 million (US\$ 20,156) was received as a reimbursement for special subscription from Korean National Committee on Irrigation and Drainage (KCID), against capacity development program for certain activities such as gathering data of agricultural and water management infrastructure, establishing project plans for capacity development in Democratic Republic of Korea (DPRK). This amount has since been fully utilized for sending a fact finding mission to DPRK. PFC may record its appreciation for the support provided by KCID.

31. A sum of ₹ 0.66 million (US\$ 10,000) was received from KCID towards supporting a Side Event 2 organized during WIF2 in Chiang Mai, Thailand in 2016.

32. A sum of ₹ 0.33 million (US\$ 5,000) was received from KCID towards supporting the newly established Technical Support Unit (TSU) for Capacity Development as a Special Membership Subscription.

PFC Agenda Item 8: Budget proposal for the current FY 2017-2018; budget proposal for FY 2018-2019; preliminary budgets for FY 2019-2020 and forecast budget for FY 2020-2021

33. PFC may consider the budget for FY 2017-2018 and recommend it to IEC for approval. PFC may also kindly consider the proposed budget for FY 2018-2019 and recommend it to IEC for approval. The preliminary budget for the FY 2019-20 and forecast budget for FY 2020-2021 are presented for information.

PFC Agenda Item 8.1: Revised Budget proposal for the current FY 2017-18 (Annex 2)

RECEIPTS

34. **Membership Subscription:** A sum of ₹ 17.27 million (US\$ 261,606) is anticipated to be received from the annual membership subscription with respect to 59 active NCs and Direct Members.

35. **Sale of Publications:** An amount of ₹ 2.31 million (US\$ 34,989) 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'.

36. **Special contribution to the Budget:** A special contribution of ₹ 7.00 million (US\$ 106,061) is expected from registration fees from NCs hosting the various ICID events held/to be held such as 68th IEC and 23rd Congress, Mexico, 2017.

37. **Interest on Fixed Deposit:** It is estimated that an amount of ₹ 4.80 million (US\$ 72,697) would be received as an interest on FDs with the PSU banks under the head 'Interest on fixed deposits'.

38. **Other Receipts:** An amount of ₹ 2.03 million (US\$ 30,711) is likely to be received in this year which is mainly on account of a refund from the income tax department and other miscellaneous receipts.

39. **Rent Receipts:** A receipt of ₹ 49.26 million (US\$ 746,424) is anticipated during FY 2017-2018 from the rent for leasing out the part of the office premises at the Central Office building to M/s Yes Bank Ltd. The higher provision as compared to the earlier years is due to the enhanced monthly rentals. 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

40. **Compensation package for Secretary General:** An amount of ₹ 5.14 million (US\$ 77,803) is estimated for payment to Secretary General.

41. **Salary of staff:** Central Office is operating with 16 staff members. During the FY 2016-17, an amount of ₹ 35.62 million (US\$ 539,742) is budgeted for staff salary for the FY 2017-2018 which includes ₹ 1.50 million (US\$ 22,727) 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.

42. Budget provision also includes payments due to anticipated revision of salary structure to be undertaken in the light of the revised pay structure (under the process of approval). An increase of about nine per cent is assumed due to the anticipated pay increments and inflations. The revision of the pay scales of CO staff in line with 7th Pay Commissions recommendations are being taken up separately through the Staff Committee and will be presented to PFC separately.

43. **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 2017-2018 is ₹ 5.24 million (US\$ 79,439) in anticipation of revision in salary structure.

44. **Services and Maintenance:** A higher provision under the head 'Services and Maintenance' is budgeted as ₹ 7.19 million (US\$ 108,955) which is mainly due to the renewal of various annual maintenance contracts of various service providers and the increased expenditure on account of inflationary pressure.

45. **Taxes and Utilities:** A provision of ₹ 17.47 million (US\$ 264,697) is proposed for the year against an earlier provision of ₹ 17.55 million (US\$ 265,924). Apart from higher allocation of ₹ 4.93 million (US\$ 74,652) 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 ₹ 11.70 million (US\$ 17,727) is made towards the payment of property tax, which is approximately 25% of the total rent. As part of the reforms of Indian tax regime, a single Indirect Tax titled 'Goods and Services Tax (GST)' has been implemented with effect from 01st July 2017 in place of multiple indirect

taxes. Under this, there is a reverse mechanism provision available and accordingly, an amount of ₹ 0.25 million (US\$ 3,788) is budgeted.

46. **Rehabilitation, Refurbishing and Maintenance of ICID CO Building:** A provision of ₹ 3.10 million (US\$ 46,970) has been made towards this head. A higher provision under the sub head 'Maintenance of ICID Central Building Expenses' is budgeted as ₹ 1.30 million (US\$ 19,697). An additional provision of ₹ 1.80 million (US\$ 27,273) has been made as the expenditure could not be made during FY 2016-17 as the work was completed after April 2017, falling in the FY 2017-18.

47. **Publication, Knowledge Management and Dissemination:** A sum of ₹ 4.74 million (US\$ 71,833) is budgeted under this head against an earlier provision of ₹ 4.16 million (US\$ 62,985). This includes provision of ₹ 2.71 million (US\$ 41,000) 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. Old ICID publications will be sent to NCs and other network institutes through post and towards this purpose, a provision of ₹ 0.2 million (US\$ 3,030) has been provided for postal cost in this financial year.

48. **Conference Expenditure:** An allocation of ₹ 3.50 million (US\$ 53,030) is estimated in this financial year towards 68th IEC and 23rd Congress, Mexico, 2017 and accordingly budgeted under respective heads.

49. **Cooperation with Other Organizations:** An allocation of ₹ 0.33 million (US\$ 5,000) is estimated in this financial year for World Water System Heritage Programme.

50. **Travel / Meetings:** A revised provision of ₹ 1.80 million (US\$ 27,273) against an original provision of ₹ 2.60 million (US\$ 39,318) has been made on account of travel to attend the international meetings by Secretary General and other professional staff of CO, particularly for attending the 68th IEC and 23rd Congress, Mexico, 2017.

51. **Purchase of Office Equipments:** A sum of ₹ 1.72 million (US\$ 26,061) is estimated which among others includes replacement of the old car being used at ICID Central Office.

52. **Workshops, Trainings and Studies:** An amount of ₹ 1.80 million (US\$ 27,273) has been provided for this financial year against an original provision of ₹ 2.50 million (US\$ 37,879) to undertake the study such as "Financial Sustainability of ICID" through an external agency, but eventually carried out in house.

53. **Other Expenditure:** An amount of ₹ 0.64 million (US\$ 9,697) has been provided for this financial year which is the cost of recruitment expenses of new Secretary General and also includes bank charges for foreign exchange.

PFC Agenda Item 8.2: Budget proposal for FY 2018-2019; preliminary budgets for FY 2019-2020 and forecast budget for FY 2020-2021 (Annex 2)

RECEIPTS

54. **Membership subscription:** During the year 2018-2019, 2019-2020 and 2020-2021 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 new head 'Special Subscription' has been introduced for contributions from countries for undertaking specific activities.

55. **Sale of Publications:** An amount of ₹1.34 million (US\$ 20,364) is budgeted to be received from the sale of publications which includes royalty of ₹ 1.31 million (US\$ 19,909) from M/s Wiley-Blackwell based on the projections provided by the Chairman, EB-JOUR and the five years agreement (2014-18) with M/s Wiley-Blackwell.

56. **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 ₹ 2.97 million (US\$ 45,000) and ₹ 0.43 million (US\$ 6,500), respectively, are expected to be received in the FY 2018-2019. The sums of ₹ 0.60 million (US\$ 9,000) and ₹ 8.91 million (US\$ 135,000) are estimated to be received as special contribution from the 9th Micro Irrigation Conference in India and 70th IEC & 3rd World Irrigation Forum in Indonesia in 2019 during the FY 2019-2020. A sum of ₹ 16.70 million (US\$ 253,000) is estimated to be received as special contribution from the 71st IEC and 24th Congress in Sydney, Australia in 2020 in the FY 2020-2021.

57. **Interest and Other Receipts:** There is a higher forecast under this head as the funds now parked in HSBC, London, UK are proposed to be transferred to India. In the FY 2018-2019, ₹ 5.55 million (US\$ 84,030) is assessed to be received as interest on fixed deposits which is further projected to rise to ₹ 5.79 million (US\$ 87,742) in 2019-2020, the financial year in which higher security deposits would be received from M/s Yes Bank Ltd. as a fresh agreement enhancing the rent would be executed. The sums of ₹ 2.42 million (US\$ 36,688), ₹ 5.84 million (US\$ 88,515) and ₹ 1.41 million (US\$ 21,288) are likely to be received in the FYs 2018-2019, 2019-2020 and

2020-2021, respectively under the head of 'Other Receipts' which are mainly on account of the refunds from the income tax department and also includes other miscellaneous receipts.

58. **Rent from Let-out of Office space:** Rent from M/s Yes Bank Ltd. is likely to be received as ₹ 49.26 million (US\$ 746,424) in the FY 2018-2019. During FY 2019-2020 onwards, the rent is projected to be higher at ₹ 56.46 million (US\$ 855,470), due to agreed increase in rent by 18% on account of renewal of the lease agreement for the next three years.

EXPENDITURE

59. **Compensation package for Secretary General:** The sums of ₹ 6.82 million (US\$ 103,318), ₹ 5.77 million (US\$ 87,439) and ₹ 6.12 million (US\$ 92,697) are estimated towards payment to Secretary General for the FYs 2018-2019, 2019-2020 and 2020-2021, respectively. This amount includes leased accommodation provided to him. The provision includes dues on account of balance arrears to be paid, annual increment and possible increase in Dearness Allowance.

60. **Salaries and Allowances:** The provision includes dues on account of annual increment and possible increase in Dearness Allowance with impact of anticipated revision of salary structure to be undertaken in the light of the revised pay structure of government employees in India. An increase of about nine per cent is assumed due to increments and inflation. The sums of ₹ 35.35 million (US\$ 535,591) including payment of balance arrears, ₹ 36.63 million (US\$ 555,015) and ₹ 39.67 million (US\$ 601,015) are projected for the FYs 2018-2019, 2019-2020 and 2020-2021, respectively.

61. **Superannuation relief to retired employees:** ICID Central Office is giving superannuation relief to its retired employees. The amounts budgeted under this head for the FYs 2018-2019, 2019-2020 and 2020-2021 are ₹ 4.88 million (US\$ 73,970), ₹ 5.18 million (US\$ 78,409) and ₹ 5.49 million (US\$ 83,121) with impact of anticipated revision of salary structure to be undertaken in the light of the revised pay structure of government employees in India.

62. **Services and Maintenances:** The sums of ₹ 7.34 million (US\$ 111,227), ₹ 7.77 million (US\$ 117,727) and ₹ 8.13 million (US\$ 123,167) have been provided for FYs 2018-2019, 2019-2020 and 2020-2021, respectively towards building maintenance, stationary purchases, outsourcing of watch and ward services; gardening services, equipment, fees to legal advisor/auditors, maintenance of vehicles, telephones and postage, executive expenses etc. This also includes the Hardware upgradation of Computer Systems in the Central Office, in order to keep abreast with the latest configuration.

63. **Publication, Knowledge Management and Dissemination:** Proposed budgeted amounts for payments under this head are ₹ 4.42 million (US\$ 66,924), ₹ 5.10 million (US\$ 77,333) and ₹ 4.80 million (US\$ 72,682) for the FYs 2018-2019, 2019-2020 and 2020-2021, respectively. The provisions of ₹ 2.84 million (US\$ 43,061), ₹ 2.99 million (US\$ 45,227) and ₹ 3.14 million (US\$ 47,500) have been made for the guaranteed payment towards subscription to M/s Wiley & Blackwell (UK) towards ICID Journal for the FYs 2018-2019, 2019-2020 and 2020-2021, respectively. 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.

The budgetary provisions of ₹ 0.83 million (US\$ 12,500), ₹ 1.37 million (US\$ 20,742) and ₹ 0.91 million (US\$ 13,818) have been made for the FYs 2017-2018, 2018-2019 and 2019-2020 towards software development & website upgradation, purchasing software (SaaS or Cloud Version), printing and publication and other miscellaneous payments.

64. **Conference Expenditure:** A sum of ₹ 2.10 million (US\$ 31,818) is budgeted to be spent in FY 2018- 2019 and expenditure expected to be ₹ 2.7 million (US\$ 40,909) in FY 2019-2020 including ₹ 0.2 million (US\$ 3,030) for preparation of new plaque for HIS for both financial years and ₹ 3.20 million (US\$ 48,485) including ₹ 0.7 million (US\$ 10,606) for plaque in FY 2020-2021.

65. **Travel Expenditure:** An amount of ₹ 2.20 million (US\$ 33,333) is estimated to be spent in FY 2018-2019 towards travel arrangements for meetings in India and abroad. This amount is further presumed to increase to ₹ 2.66 million (US\$ 40,152) during both FYs 2018-2019 and 2019-2020.

66. **Workshops, Trainings and Studies:** It is proposed to spend ₹ 2.5 million (US\$ 37,879) each during the FYs 2017-2018, 2018-2019 and 2019-2020. This amount would be spent mainly for organization of various workshops and trainings for mostly young professionals.

PFC Agenda Item 8.3: Internal Transfers

67. ICID is maintaining a Gratuity Fund and Leave Encashment Fund treated as a Fund in Balance Sheet. For many years during the deficit years, no amount had been transferred to this Leave Encashment Fund. During the year 2016-2017, an amount of ₹ 5.64 million (US\$ 85,448) was transferred from General Fund to Leave Encashment Fund and maintained Gratuity Fund as per Indian Labour Law. In order to avoid such an oversight in

future, it is 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

68. Taking into account the total Receipts of ₹ 82.66 million (US\$ 1,252,488) and Expenditure of ₹ 88.29 million (US\$ 1,337,772), a deficit of ₹ 5.63 million (US\$ 85,284) is expected for the FY 2017-2018. This year the deficit is mainly due to payment of arrears due to revised salary structure and is likely to have impact in the following financial year. Also a deficit of ₹ 3.96 million (US\$ 60,039) and surplus ₹ 7.66 million (US\$ 116,015) and ₹ 7.26 million (US\$ 110,015) are expected in the FYs 2018-2019, 2019-2020 and 2020-2021, respectively.

69. The total cash reserve is only ₹ 38.61 million (US\$ 585,061), which is about 44 % of the annual budget. This is not a very healthy sign for the financial sustainability of any organization. Since there is 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 built up at least equal to the annual budgeted expenditure.

PFC Agenda Item 10: Report of the Task Force on 'Review of Annual Subscription' (TF-AM)

70. The Chair of TF-AM, VPH Laurie Tollefson, would present the report of the TF during the meeting.

PFC Agenda Item 11: Report of the Task Team on 'Registration Fees for ICID Events' (TT-RF)

71. The Chair of TT-RF, VPH Laurie Tollefson, would present the report of the TT during the meeting.

PFC Agenda Item 12: Miscellaneous Financial Issues

PFC Agenda Item 12.1: Dissolution of ICID EPF Trust

72. 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. Consequently, ICID has been shifted PF accounts of its staff members to Employees' Provident Fund Organisation (EPFO) w.e.f. 01 April 2013. Hence, the ICID EPF Trust is in the process of dissolution. This is for information of the Committee.

PFC Agenda Item 12.2: HSBC Current Account in London

73. A Foreign Currency Account in HSBC Bank plc. in London is being maintained in the name of "International Commission on Irrigation and Drainage" since February 2001 with three Fixed Deposits. The bank account has been in a dormant state on account of non-operation of the account and HSBC Bank has also expressed their unwillingness to continue this account as it does not have mandated minimum number of transactions. If the amount is parked in India, ICID will earn a substantial income by way of interest. It is, therefore, proposed to close this bank account and the proceeds transferred to Banks in New Delhi where ICID accounts are maintained.

PFC Agenda Item 12.3: FCRA Renewal / Restoration

74. The Foreign Contribution Regulation Act; (FCRA) Registration Number 231650578 allotted to ICID on 13th December 1990 has been cancelled by the Ministry of Home Affairs due to delay in submission of FCRA annual returns for the years 2009-10, 2010-11 and 2011-12 due to administrative oversight. These returns were subsequently submitted on 9th May 2013. Thereafter FCRA returns are being filed/submitted regularly to FCRA.

75. Subsequently, CO has been in continuous correspondence with FCRA for restoration of FCRA Registration. As a consequence, ICID is able to receive only membership subscription, registration fees, royalty from M/s Wiley-Blackwell and special subscription from members. CO will not be able to receive foreign grants during the suspension period of 3 years, until the time a fresh FCRA registration is applied. This is for information of the Committee.

PFC Agenda Item 13: Any Other Business



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 2017, 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, 2017; and
2. In the case of Income and Expenditure Account, of the excess of income over expenditure for the year ended on that date;
3. And in case of the Receipts and Payments Account, of the Receipts and Payments for the year ended on that date, 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, and Receipts and Payment dealt with by this report are in agreement with the books of account.
- (d) In our opinion, the Balance Sheet, Income and Expenditure, comply with the relevant Accounting Standards.

Place: New Delhi.

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

Date: 30th May 2017

Sd/-
Tarun Kandhari
Partner
Membership No. 074852

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
BALANCE SHEET AS ON 31ST MARCH 2017**

PARTICULARS		2016-17 Amount INR	2015-16 Amount INR
ASSETS			
Property & Equipment	1	11,266,479	11,413,117
Receivables	2	18,548,685	12,969,440
Stock of Publications	3	251,130	241,800
Bank Balances & Cash in Hand	4	75,760,428	67,442,621
Subscription Accrued		3,095,246	3,083,580
	Total Assets	108,921,968	95,150,558
LIABILITIES			
Gulhati Memorial Lecture Fund	5	391,359	362,618
General Fund	6	55,056,122	48,890,317
Project Funds	7	-	228,913
Gratuity Fund	8	7,285,304	9,340,742
Leave Encashment Fund	9	5,723,148	-
Corpus Fund-WID Prizes	10	2,432,501	1,644,395
Security From Tenant	11	24,632,200	21,230,000
Subscription Received in Advance	12	4,086,770	2,939,243
Sundry Creditor, Payables & Provisions	13	9,271,440	10,496,051
Duties & Taxes Payable	14	43,124	18,279
	Total Liabilities	108,921,968	95,150,558

As per our separate Report of even date attached

For P.K. Chopra & Co.

Chartered Accountants

Firm Registration No. 006747N

Sd/-

Tarun Kandhari

Partner

Membership No. 074852

Places: New Delhi

Dated: 30th May 2017

For and on behalf of

International Commission on Irrigation and Drainage (ICID)

Sd/-

Vijay K. Labhsetwar

Director

Sd/-

Avinash C. Tyagi

Secretary General

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2016 TO 31ST MARCH 2017**

PARTICULARS		2016-17 Amount INR	2015-16 Amount INR
INCOME			
Membership & Subscriptions	15	16,771,646	21,169,513
Sale of Publication	16	1,166,292	830,347
Special Contribution to the Budget	17	5,513,406	2,081,507
Interest on Fixed Deposits	18	3,245,951	4,691,434
Other Incomes	19	1,090,061	4,490,524
Rent and Provision of Services on Let Out Property		47,725,895	39,992,127
Special Subscriptions	20	3,896,642	-
Closing Stock	3	251,130	241,800
Total		79,661,023	73,497,252
EXPENDITURE			
Opening Stock of Publications	3	241,800	273,600
Compensation for Secretary General	21	3,667,644	3,320,081
Salaries & Allowances	22	28,645,480	18,322,443
Superannuation Relief to Retd. Employees		3,541,647	3,013,507
Service & Maintenance	23	4,543,796	5,203,681
Taxes and Utilities	24	16,773,753	24,343,110
Rehabilitation or Refurbishing and Maintenance of ICID CO Building	25	255,108	1,104,185
Publication, Knowledge Management and Dissemination	26	3,457,695	2,894,876
Conference Expenditure	27	1,459,985	1,089,786
Cooperation with Other Organization	28	54,071	-
Travel Expenditure	29	862,574	2,142,912
Depreciation on Fixed Assets	1	1,514,683	1,592,426
Workshop, Training and Studies	30	554,526	2,715,261
Other Expenditure	31	4,829,209	137,358
Excess of Income over Expenditures		9,259,052	7,344,026
Total		79,661,023	73,497,252

As per our separate Report of even date
attached

For P.K. Chopra & Co.

Chartered Accountants

Firm Registration No. 006747N

Sd/-

Tarun Kandhari

Partner

Membership No. 074852

Places: New Delhi

Dated: 30th May 2017

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

Sd/-

Vijay K. Labhsetwar

Director

Sd/-

Avinash C. Tyagi

Secretary General

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
RECEIPT AND PAYMENT ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2016 TO 31ST MARCH 2017**

PARTICULARS		2016-17 Amount INR	2015-16 Amount INR
RECEIPTS			
Cash & Banks (Balance Brought Forward)	31	67,442,621	61,413,339
Membership Subscriptions	32	15,170,429	14,176,234
Sale of Publications	33	80,988	823,217
Special Contribution to the Budget	34	5,096,124	2,081,507
Interest on Fixed Deposits	35	3,732,251	4,805,032
Special Subscription		3,743,474	6,270,123
Other Receipts	36	5,470,196	7,017,318
Rent and Provision of Services on Let Out Property		47,040,531	39,027,627
Income Tax Refund	37	305,180	4,405,085
Total		148,081,793	140,019,482
PAYMENTS			
Compensation package for Secretary General		3,656,094	3,320,081
Salaries and Allowances	38	24,727,620	18,371,843
Superannuation Relief to Retired Employees		3,541,647	3,013,507
Services & Maintenances	39	4,782,454	5,126,683
Taxes and Utilities	40	25,929,090	23,754,878
Rehabilitation or Refurbishing and Maintenance of ICID CO Building	41	255,108	1,104,185
Publications, Knowledge Management and Disseminations	42	3,457,695	2,884,876
Conference Expenditure	43	1,013,356	894,678
Cooperation with Other Organisation	44	54,071	-
Travel Expenditure	45	862,574	2,493,886
Special Subscription		-	7,969,198
Workshops, Trainings and Studies	46	494,520	2,915,261
Purchase of Fixed Assets	47	177,474	624,158
Other Payments	48	3,369,661	103,627
Cash & Banks (Balance Carry Forward)	31	75,760,429	67,442,621
Total		148,081,793	140,019,482

As per our separate Report of even date
attached

For P.K. Chopra & Co.

Chartered Accountants

Firm Registration No. 006747N

Sd/-

Tarun Kandhari

Partner

Membership No. 074852

Places: New Delhi

Dated: 30th May 2017

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

Sd/-

Vijay K. Labhsetwar

Director

Sd/-

Avinash C. Tyagi

Secretary General

SUMMARY OF APPROVED BUDGET 2016-2017, ACTUAL RECEIPTS/ EXPENDITURE 2016-2017, PROPOSED REVISED BUDGET 2017-2018 AND PROPOSED BUDGETS 2018-2019, PRELIMINARY BUDGET 2019-2020 AND FORECAST BUDGET 2020-2021

	Approved Revised Budget 2016-2017	Actual Receipts/ Expenditure 2016-2017	Approved Budget 2017-2018	Proposed Revised Budget 2017-2018	Proposed Budget 2018-2019	Proposed Preliminary Budget 2019-2020	Proposed Forecast Budget 2020-2021
I RECEIPTS							
1. Membership Subscriptions	17,984,000	18,913,904	17,029,000	17,266,000	19,968,000	20,028,000	20,094,000
2. Sale of Publications	934,000	80,988	1,025,000	2,309,304	1,344,000	1,476,000	1,621,000
3. Special Contribution to ICID Budget	8,396,000	5,096,124	7,555,000	7,000,000	3,399,000	9,504,000	16,698,000
4. Interest on Fixed Deposits	5,110,000	3,732,251	4,810,000	4,798,000	5,546,000	5,791,000	5,791,000
5. Other Receipts	3,903,000	5,775,376	1,400,000	2,026,934	2,421,410	5,842,000	1,405,000
6. Rent and Maintenance Charges	47,726,000	47,040,531	49,264,000	49,264,000	49,264,000	56,461,000	56,461,000
Total Receipts	84,053,000	80,639,174	81,083,000	82,664,238	81,942,410	99,102,000	102,070,000
II EXPENDITURE							
1. Compensation Package for Secretary General	4,567,000	3,667,644	4,836,000	5,135,000	6,819,000	5,771,000	6,118,000
2. Salaries and Allowances	25,763,000	31,645,480	31,356,000	35,622,980	35,349,000	36,631,000	39,667,000
3. Superannuation Relief to Retired Employees	3,493,000	3,541,647	3,805,000	5,243,000	4,882,000	5,175,000	5,486,000
4. Service & Maintenance	6,070,000	5,276,563	6,237,000	7,191,000	7,341,000	7,770,000	8,129,000
5. Taxes & Utilities	27,099,000	26,220,502	17,551,000	17,470,000	17,525,000	20,005,000	20,236,000
6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building	3,100,000	255,108	1,210,000	3,100,000	1,500,000	1,800,000	500,000
7. Publication, Knowledge Management and Dissemination	4,005,000	3,155,695	4,157,000	4,741,000	4,417,000	5,104,000	4,797,000
8. Conference Expenditure	3,200,000	1,459,985	3,500,000	3,500,000	2,100,000	2,700,000	3,200,000
9. Cooperation with Other Organisations	196,000	54,701	330,000	330,000	330,000	395,000	330,000
10. Travel Expenditure	2,358,000	862,574	2,595,000	1,800,000	2,200,000	2,650,000	2,650,000
11. Purchase of Office Equipments	700,000	1,368,045	750,000	1,720,000	800,000	800,000	800,000
12. Workshops, Training and Studies	2,900,000	554,526	2,500,000	1,800,000	2,500,000	2,500,000	2,500,000
13. Other Expenditure	240,000	1,283,691	242,000	640,000	142,000	144,000	396,000
Total Expenditure	83,691,000	79,346,161	79,069,000	88,292,980	85,905,000	91,445,000	94,809,000
Surplus/(Deficit)	362,000	1,293,013	2,014,000	(5,628,742)	(3,962,590)	7,657,000	7,261,000

**AGENDA FOR THE 28TH MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

12 October 2017, 13.30-17.00 hours
Mexico City, Mexico

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 Bong Hoon Lee. Chairman (Korea, 2014); (2) Vice President Hon. Dr. Ir. Basuki Hadimoeljono (Indonesia, 2013); (3) Vice President Hon. Mr. Kadhim Mohsin Ahmed (Iraq, 2013); (4) Vice President Hon. Er A.B. Pandya (India, 2013); (5) Vice President Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2014); (6) Vice President Dr. Ding Kunlun (China, 2014); (7) Vice President Prof. Dr. Charlotte de Fraiture (The Netherlands, 2015); (8) Vice President Mr. Ian William Makin (UK, 2015); (9) Vice President Prof. Dr. Abdelhafid Debbarh (Morocco, 2015); (10) Vice President Dr. (Mrs.) Irena G. Bondarik (Russia, 2016); (11) Vice President Mr. Waseem Nazir (Pakistan, 2016); (12) Vice President Er. Madhav Belbase (Nepal, 2016) and (13) Er. Avinash C. Tyagi, 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 27th Meeting of PCSO

1. An Action Taken Report on the minutes of the 27th 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 Mexico City 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 68th meeting of IEC.
3. 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

4. An updated list of ICID Network countries as on 01 August 2017 is given in **Annex 2**. The statement below summarizes the region-wise membership status:

Region	Active	Associate Members	Total
Africa	16	01	17
Americas	04	02	06
Asia and Oceania	23	04	27
Europe	16	10	26
Total	59	17	76

5. Considering the fact that an important ICID event, such as 23rd ICID Congress is taking place in Latin America after gap of two and half decades, it is deemed to be the right opportunity to re-invigorate the National Committees in Central and South America. The host NC, Mexican NC, has informed that they are in contact with Argentina, Bolivia, Brazil, Colombia and Peru. ICID has also approached the countries like Dominican Republic and Ecuador to join ICID through the offices of Senior Water Resources Specialist, Latin America and Caribbean region of the World Bank. Accordingly, a half-day meeting of American Regional Working Group (AMRWG) is

scheduled on 11 October 2017 to bring together all associated stakeholders of ICID in America region so as make them proactive in ICID activities, thus reinvigorating ICID's membership in the region.

6. Korean NC has been quite active in promoting ICID's cause in Africa region by sponsoring candidates from identified countries from the region for attending training workshops etc. Chinese NC has been collaborating with ICID for organization of training workshop for YPs since 2012 which has been highly instrumental in the reactivation of a number of associate members.

7. The Spanish National Committee has intimated about their inability to pay subscriptions which is mounting up since 2014, because of the unfavourable financial condition in Spain. However, they committed their technical expertise at the disposal of the Commission as and when required. Updates, if any, will be provided at the meeting.

8. 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.

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

9. Consequent to the election of three new Vice Presidents at the 67th IEC meeting held at Chiang Mai on 12 November 2016, a redistribution of the Regions / National Committees amongst the newly elected and current Vice Presidents for the year 2016-17 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.

10. 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 region 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 respective region's 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.

11. VP Mr. Bong Hoon Lee held discussions with Dr. Nguyen Tung Phong, Deputy Director General of Vietnam Academy for Water Resources, during the INWEPF Working Group 2 meeting held on 28 June 2017 in Ansan City, Korea about the reactivation of Vietnam National Committee of ICID (VNCID). Being the Vice-Chairman of VNCID, Dr. Phong has assured that he would contact with people associated with VNCID, including the Chairman of VNCID to activate the Vietnam NC. VP Lee will apprise the Committee about the latest progress in the reactivation of the Vietnam NC.

12. VP Dr. (Mrs.) Irena G. Bondark has taken up the issue of membership of Azerbaijan in ICID with Mr. Ahmed Ahmedzade Juma Oglu, Head of State Land Reclamation and Water Management Agency of Azerbaijan during the first International Baku Water Week in March 2017. The Central Office has provided the information sought by AZERCID for reactivating their NC. VP Bondarik has also utilized the opportunity to pursue the membership of Georgia in ICID, with the Ministry of Agriculture of Georgia Republic.

13. VP Dr. Bondarik during her participation in International Drainage Workshop in Latvia held discussions with the Minister of Agricultural and Rural Development of Latvia about the possibility of Latvia joining ICID as a member. The Minister has responded positively. VP Dr. Bondarik will apprise the Committee about the progress in reactivating the Azerbaijan NC and joining of Latvia and Georgia as members of ICID.

14. President Dr. Saeed Nairizi has pursued the reactivation of the Afghanistan NC (AFGCID) with the Office of the Deputy Minister for Irrigation and Natural Resource of Afghanistan which is expected to bear fruit, gauging the response from the NC. Utilizing the President Dr. Nairizi's contacts in Germany, ICID Central Office has been providing all out assistance to Prof. Dr.-Ing. Klaus Röttcher, who has agreed to take a lead in reactivating the German NC. Any latest updates on the reactivation of AFGCID and GECID will be provided at the meeting.

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

15. This year, the CO has received 5 applications for Direct Membership. Out of these 5, the following 4 applications have been found to be complete in all respects.

Sl. No.	Name of Applicants	Country	Type of Membership Applied for
1.	Dayu Water Saving Company	China	Company
2.	Prof. Dr.-Ing. Klaus Röttcher	Germany	Individual
3.	Mr. L.B. Roy	India	Individual (Life Membership)
4.	Electrosteel Castings Ltd.	India	Company

16. The applications listed above have been sent to Direct Membership Administering (DMA) Sub-Committee for granting provisional direct membership to the applicants as per the criteria laid down for DM.

17. The following 12 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)
7.	Jain Irrigation System Ltd. (JISL)	India	Company (3 years)
8.	Asian Development Bank	Philippines	Institution (1 year)
9.	Central Board of Irrigation & Power (CBIP)	India	Institution (1 year)
10.	Dr. Ashish Pandey	India	Life Membership (Individual)
11.	Dr. R. Mahesh	India	Life Membership (Individual)
12.	Prof. Umesh Chandra Chaube	India	Individual (Retiree) (1 year)

PCSO Agenda Item 3.4: Task Force on Revitalization of ICID Network (TF-REV)

18. In pursuance of the Council's decision at Montpellier IEC meeting, a Task Force has been set up to study the reasons responsible for the gradual withdrawals of National Committees (NCs) from Europe from the membership of ICID and other issues faced by the NCs., with a broadened scope, under the chairmanship of then Chair of PCSO, VPH Dr. Huseyin Gundogdu.

19. The TF presented its interim report at the 67th IEC on 12 November 2016 in Chiang Mai where the TF has been given an extension of one more year up to 2017 as the information gathered was not sufficient enough to complete its mandate at the time of presentation of the report in Chiang Mai, especially with respect to ToRs relating to NCs from European region. However, the Council has approved the TF's recommendations vis-à-vis majority of its ToRs, except the ones concerning the European NCs. In the absence of the Chair, Secretary General will present the recommendations of TF on his behalf. Chair of ERWG may provide the outcome of discussions of ERWG on the subject of gradual withdrawals of NCs from Europe at the PCSO meeting for its consideration and guidance in revitalizing the ICID Network globally, with special focus on Europe.

PCSO Agenda Item 4: Road Map to ICID Vision 2030: The Monitoring Mechanism

20. The 66th IEC meeting in 2015 at Montpellier, France approved the Vision, Mission and six Organizational Goals and requested the Consultative Group (CG) that has been constituted to develop 'Draft ICID Vision 2030 Document' to develop an Action Plan 2030 including review of the structure and other organizational aspects required to achieve the goals of Vision 2030.

21. Accordingly, CG had collected inputs from WBs, RWGs and NCs and developed a Draft Action Plan, which was subsequently presented at the 67th IEC meeting in 2016 in Chiang Mai, where the Council noted that though the Draft Action Plan had been presented and discussed at different work body meetings, some of the WGs and NCs had sought more time to provide their inputs. Accordingly, the Council agreed to the suggestion that those NCs and WGs may provide their inputs by 15 January 2017 and endorsed the timeline suggested by the Convener of CG to finalize the ICID Action Plan by May 2017.

22. Since its presentation at Chiang Mai in 2016, a host of NCs, especially from Europe, and a number of workbodies provided their inputs through designated Questionnaires drawn up for the purpose till March 2017. The CG took into consideration these fresh inputs and the finalized the Action Plan. This Action Plan developed for the period 2017-2021 has been compiled together with the Vision, Mission, Organizational Goals and strategies to achieve these goals. Together with a compilation of activities that the WG, RWGs, NCs, and Central Office have identified for implementation of the strategies during the next 5 years 2017-2021, it has been developed into "A Road Map to ICID Vision 2030" which can be accessed or downloaded from <http://www.icid.org/icid_vision2030.pdf>. As the activities identified as part of the Road Map for the period 2017-21 are dynamic in nature, it would be essential to monitor the progress, update the Action Plan on a regular basis. PCSO may like to deliberate on the mechanism that should be put in place to monitor the progress in the implementation of the Action Plan.

PCSO Agenda Item 5: Knowledge Management Strategy (KMS)

23. As the world struggles to meet the food demands of a rapidly growing population and tackle water scarcity problems under highly variable climate change scenarios, Irrigation and Drainage assumes enhanced role. ICID provides a platform for the professionals and policy makers from different countries engaged in irrigation drainage and flood management for interaction and exchange of experience and knowledge.

24. Managing the knowledge process is the key to the success of any professional network like ICID. Fast changing technologies influence the knowledge process and present a challenge on one hand and an opportunity on the other. It is crucial that generation, extraction consolidation/compilation, synthesis, packaging and dissemination of information and knowledge in the field of irrigation, drainage and flood management is given the right priority it deserves in order to fulfill the mission of ICID. The latest tools presented by the Information Technology need to be appropriately used to achieve the objective.

25. While making the presentation on Strategy Theme 'Knowledge' during the 65th IEC meeting at Gwangju, Korea on 20 September 2014, the Co-Theme Leaders recommended that in order to address a wider readership, particularly attracting stakeholders working in related sectors and at grass root level, it is necessary to widely disseminate the outcomes or conclusions of the deliberations of ICID technical events, policy papers, technical articles in a layman's language by publishing/ converting some of them in to articles in language that is easy to understand with focus on promoting "state of art" knowledge for users in planning, design and field applications.

26. As a follow up of the recommendation made by Co-Theme Leaders of Strategy Theme 'Knowledge', the ICID Central Office has engaged 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 within the existing institutional framework.

27. A concept note on the Knowledge Management Strategy (KMS) is placed at **Annex 4 (of WG-CDTE), page 133**, for Committee's consideration and approval on the strategic aspect of KMS.

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

28. ICID has been collaborating with various international partners like ADB, AWC, FAO, GWP, ICARDA, ICOLD, ICRISAT, IFAD, IWMI, UN-Water, UNESCO-IHP, WMO, World Bank, and WWC and regional organizations like AARDO and SARIA 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 2016-17.

29. A memorandum of understanding (MoU) has been signed between ICID and IWRA during the XVI World Water Congress of IWRA at Cancun, Mexico on 01 June 2017 with the objective to develop strategies for ensuring water and food security duly recognizing the importance of the Water-Energy-Food Nexus.

30. Since Water Scarcity is likely to be a major challenge for agriculture, a major consumer of water, for food production, ICID is partnering with FAO under Global Framework for Water Scarcity (GFWS). ICID has also established a Task Force to Guide Partnership Process (TF-GPP) for Agriculture Water Management as an action-oriented multi-stakeholder partnership to facilitate improving agricultural water productivity, especially in irrigated areas where the competition for water is intensifying and/or water supplies are becoming less reliable. The two initiatives can be complimentary and ICID as a partner in GFWS will make efforts to bring synergy between the two initiatives.

31. A brief overview of the planned collaborative activities would be presented by Secretary General which also includes a status report on World Water System Heritage (WSH) Program, a member initiative with WWC. 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)

32. VP Dr. Mohamed Wahba, Chair of AFRWG will present the report of the meeting of the RWG.

PCSO Agenda Item 7.2: European Regional Working Group (ERWG)

33. VP Ian Makin, Chair of ERWG will present the report of the meeting of the RWG.

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

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

PCSO Agenda Item 7.4: American Regional Working Group (AMRWG)

35. During the fourth International Technical Advisory Committee (ITAC) for 23rd ICID Congress, MXCID informed that they were planning to have a Latin American meeting during the Congress in order to invigorate the NCs in Latin America region. Thus, a half-day preparatory meeting of AMRWG has been scheduled on 11 October 2017 to bring together all associated stakeholders of ICID in America region wherein a 'Background Note' for establishing AMRWG will be presented.

36. MXCID has been requested to take a lead in organizing the AMRWG meeting. The Chair of the meeting will present the report at the meeting.

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

37. The Chairpersons of the following WGs will make presentations on the activities of their respective workbodies and present their recommendations for review and consideration by the Committee prior to making recommendations to IEC for approval. In the absence of the Chair, the member chairing the WG meeting may present the report.

PCSO Agenda Item 8.1: Working Group on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST)

38. The tenure of the WG has been extended up to 2017. VPH Prof. Peter Kovalenko, Chair will present the report of the meeting of WG.

PCSO Agenda Item 8.2: Committee on Congresses/Conferences (C-CONGR)

39. Mr. Luis Felipe Alcocer, Chair will present the report of the meeting of the Committee.

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

40. 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)

41. 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 ON THE MINUTES OF THE 27TH MEETING OF PCSO
10 November 2016, Chiang Mai, Thailand

Item	Recommendation	Decision of 66 th IEC	Action Taken
3. Membership of ICID			
	Recommended that the membership application of Somalia be accepted for membership of ICID.	Approved (Resolution No.IEC-1/67).	Somalia has been admitted as a member of ICID.
3.3. Task Force on Revitalization of ICID Network			
	Recommended that the term of TF be extended for one more year.	Approved (Resolution No.IEC-2/67).	Notified the extension of the tenure of TF one more year to complete its mandate.
8. Review of reports of Working Groups/Committees			
	Recommended that the WG-IDSST may be extended for one year up to 2017 after due consideration of the Scoping Document with a new mandate for the period 2016-2021.	Approved (Resolution No.IEC-2/67).	The scoping document has been circulated among NCs.
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.



Annex 2 [Appendix II, Item 3, Para 4]

ICID NETWORK COUNTRIES AS ON 01 AUGUST 2017

Sl. No.	National Committees	Acronym	Year of Joining
1	Australia	IAL (ICID NCA)	1952
2	Bangladesh	BANCID	1973
3	Brazil*	ABID	1970
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	Hungary	HUCID	1955
16	India*	INCSW	1950
17	Indonesia*	INACID	1950
18	Iran	IRNCID	1955
19	Iraq	IRQCID	2006
20	Ireland	IRCID	1978
21	Italy*	ITAL-ICID	1950
22	Japan	JNC-ICID	1951
23	Kazakhstan	KAZCID	2006
24	Korea, Rep. of	KCID	1969
25	Madagascar	MADCID	2014
26	Malawi	MALCID	1967
27	Malaysia	MANCID	1958
28	Mali	AMID	2005
29	Mexico	MXCID	1951
30	Morocco	ANAFIDE	1959
31	Myanmar	MNCID	1962
32	Nepal	NENCID	1973
33	Netherlands*	NETHCID	1950
34	Niger	ANID	2007
35	Nigeria	NINCID	1970
36	Pakistan	PANCID	1953
37	Philippines	PNC-ICID	1956
38	Portugal	PNCID	1954
39	Romania	CNRID	1992
40	Russia	RUCID	1955
41	Saudi Arabia	SACID	1977
42	Slovenia	SINCID	1992
43	Somalia	SONCID	2017
44	South Africa	SANCID	1993
45	Spain	CERYD	1955
46	Sri Lanka*	SLNICID	1950
47	Sudan	SNCID	1964

Sl. No.	National Committees	Acronym	Year of Joining
48	Switzerland*	CH-AGRAM	1951
49	Tajikistan	TAJCID	2014
50	Tanzania	TANCID	2011
51	Thailand*	THAICID	1950
52	Turkey*	TUCID	1954
53	Ukraine	UACID	1996
54	United Kingdom	IWF/ICID.UK	1951
55	United States of America	USCID	1951
56	Uzbekistan	UzNCID	1994
57	Zambia	ZACID	1966
58	Zimbabwe	ZwCID	1955
Committee			
59	Chinese Taipei	CTCID	1969
Associate Members			
60	Afghanistan	AFGICID	2008 (2014) ¹
61	Austria	AUNCID	1954 (2015)
62	Bulgaria	BNCID	1960 (2006)
63	Czech Republic	CZNC-ICID	1997 (2017)
64	Germany	GECID	1957 (2015)
65	Greece	GRCID	1957 (2012)
66	Guyana	GUCID	1957 (2012)
67	Israel	ISCID	1950 (2012)
68	Kyrgyz Republic	KYRCID	2004 (2010)
69	Lithuania	LTCID	1994 (2014)
70	Macedonia	MAKCID	1995 (2010)
71	Mozambique	MOCID	1978 (2006)
72	Poland	POCID	1967 (2006)
73	Serbia (erstwhile Yugoslavia*)	YUGCID	2002 (2012)
74	Slovak Republic	SKNC-ICID	1996 (2006)
75	Syria	SYCID	1962 (2014)
76	Uruguay	URUCID	2007 (2012)

* Founder Member

¹ Year in parenthesis is of the NC becoming inactive



**AGENDA FOR THE 28TH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)**

11 October 2017, 09.00-10.30 hours (Session I)
11 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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/>

AFRWG Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016. Chair VP Mohamed Wahba has invited National Committees in the African region to nominate professional in the working group and volunteer to host 5th African Regional Conference. He also requested them to activate young professionals in their countries to take part in activities of ICID including attending the upcoming events/ trainings and to contribute to the activities of the RWG through email, virtual meeting etc. in case they are unable to participate in annual face to face meeting during IEC. In May 2017, the Central Office also followed up with African NCs and invited nominations from those National Committee who have not nominated a professional in the WG.

2. Nominations have been received from the National Committees of Egypt, Morocco, Somalia, and Sudan for the membership of the working group which have been considered for membership of the RWG. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office has updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). As per ICID By-laws 3.5, members of work bodies not contributing by their attendance/ correspondence for two consecutive years shall be replaced on the recommendations of the Chairman of the work body. 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 – Activities in African region

3. During Chiang Mai meeting, the group discussed the draft Action Plan 2030 of the WG and made suggestion with some initial ideas for actions and deliverables in respect of six organization goals of ICID. After deliberation, it was decided that the draft action plan may be taken as base for discussion together with the Capacity Building Strategy developed by the AFRWG as reference. As decided by the group, ICID Central Office circulated the draft action plan 2030 to all members of the group inviting their suggestions/comments before its finalization. Similarly, Chair also reminded members to provide their feedback on the action plan so that it can be finalized for its further submission to the Consultative Group (CG) on Action Plan for 2030 as well as PCSO and PCTA.

4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the CG finalised Action Plan for ICID as presented in their report “A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030”. Action Plan for AFRWG as presented in CG report is given as **Annex 2**. The group will discuss the action plan, review the activities and their milestones, and initiate action on the activities as identified in the Action Plan to achieve the Organizational Goals.

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

5. During Chiang Mai meeting, Chair VP Wahba provided brief information about the background and status of the preparation of position paper on ‘Green Revolution in Africa’. At the meeting, Chair stressed that the Green Revolution initiative is for Africa, therefore, African countries needs to be proactive and also support this initiative. In February 2017, the ICID Central Office and Chair VP Mohamed Wahba requested National Committees in Africa region to send the filled-in questionnaire. The filled-in questionnaire is intended to facilitate preparation of the position paper that is supposed to be considered during the AFRWG meeting. In response, till date, only five countries managed to submit the questionnaire to the ICID Central Office viz. Burkina Faso, Egypt, Morocco,

Sudan, and Zimbabwe. Chair of the group will provide further updates at the meeting. AFRWG will deliberate on the steps to be initiated for preparation of position paper and its finalisation by 69th IEC in 2018.

AFRWG Agenda Item 4: Progress on implementation of the action program for Africa

AFRWG Agenda Item 4.1: Strategy for capacity building in Africa

6. The group discussed and noted at Chiang Mai that the capacity development strategy document is a living document and will be updated regularly every 3 years. During the meeting, Chair highlighted the need for organizing a symposium in 2017 to assess the milestones and identify new themes as part of phase 2 of the strategy. It was agreed by the members to prepare a three-year work plan for capacity building on irrigation and drainage and a questionnaire will be prepared and circulated to the African National Committees for the training needs assessment. ICID Central Office followed-up the matter with Chair VP Mohamed Wahba and requested to initiate action towards development of questionnaire and training needs assessment of the member from African region. Chair will provide further updates at the meeting.

AFRWG Agenda Item 5: Exchange of information, knowledge and experience

AFRWG Agenda Item 5.1: Dissemination of Working Group's activities

7. During Chiang Mai meeting, Chair requested members for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments, methods and innovative in the field of agriculture water management practices. In June 2017, the Central Office received a short article from Secretary Jean Bernard Dambre (in French), related to 6th technical days of irrigation from 7-8 December 2016 in Ouagadougou, Burkina Faso (*refer item 7.1*).

8. The website of the working group <http://afrwg.icidonline.org/> has been updated with the new membership list, agenda, minutes, links, reports, publications etc. The Central Office followed-up with the members and requested them to contribute information, articles, documents, reports, links so that same can be uploaded on the ICID website. The group may like to discuss and evolve mechanism for sharing of information and knowledge at the meeting.

AFRWG Agenda Item 5.2: Webinar/ web based seminar

9. During Chiang Mai meeting, Chair stressed that members should make full use of WebEx platform for virtual meetings to ensure regular contribution to the activities of the group. In June 2017, Secretary Jean Bernard Dambre informed that the connectivity in Burkina Faso does not permit direct participation in such events so he stressed that the recordings of such past webinars may be posted on the website so that interested members can later access to the core development of the subjects. For those who missed the webinar, it to inform that a live video recording of the past webinars has been uploaded on ICID website http://www.icid.org/icid_webinar.html. Members and National Committees are requested to access the above link to see the Webinar recordings.

AFRWG Agenda Item 6: Updates on Regional Irrigation Associations

AFRWG Agenda Item 6.1: Southern African Regional Irrigation Association (SARIA)

10. The Southern African Regional Irrigation Association (SARIA) organized a Symposium on the theme "Empowerment of Women" from 28-29 March 2017 in Pretoria, South Africa. More than 30 representatives from SARIA member countries across the Southern African Development Community (SADC), namely, Lesotho, Madagascar, Malawi, Swaziland, South Africa, Zambia and Zimbabwe participated in the Symposium. During the Symposium, five presentations were presented which include Irrigation Strategy of South Africa; Empowerment of women through water use security, land use security and knowledge generation for improved household food security and sustainable rural livelihoods in selected areas, etc.

11. During the workshop, new themes for the SARIA Strategy were identified and agreed for implementation during 2018 to 2021, which are (a) Impacts of climate change on the Agriculture sector, (b) Best Management Models for Smallholder Irrigation, (c) Crop Value Chain and/ or Agri-Business (entrepreneurship), (d) Waste Water re-use, (e) Appropriate Irrigation Technologies, (f) Operation & Maintenance, GIS Techniques, (g) Underutilized crops/ alternative crops, (h) Water Energy Food Nexus, and (i) Conceptualization of smallholder irrigation development. After the Symposium, participants attended the SARIA Steering Committee meeting on 30 March 2017 where country reports on activities and progress made towards establishment of national committees were discussed. Other issues like, Strategic roles and actions for a viable SARIA, membership fee, financial statement

etc. were also discussed in the meeting. Mr. Winston Sataya (Malawi) and Dr. Emery Kasongo (Democratic Republic of Congo) were elected as Chairman and Deputy Chairman of the Committee during the meeting. Vice Chair Dr. Sylvester Mpandeli/ SARIA representative will provide further updates at the meeting.

AFRWG Agenda Item 6.2: Regional Association for Irrigation and Drainage in West and Central Africa (ARID-RAID)

12. The Regional Association for Irrigation and Drainage (ARID) is a non-governmental Scientific and Technical Association (NGO), created between actors and partners involved in the field of Irrigation and Drainage. It covers geographically 23 countries of West and Central Africa viz. Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Congo, Côte d'Ivoire, Gabon, Gambia, Ghana, Guinea, Guinea Bissau, Equatorial Guinea, Liberia, Mali, Mauritania, Niger, Nigeria, Sao Tome, Senegal, Sierra Leone, Togo and Togo. So far, ARID has set up 12 national committees viz. Togo, Côte d'Ivoire; Senegal; Mauritania; Benin, Nigeria, Ghana, Niger, Mali, Burkina Faso, Guinea and Chad. One of the objectives of ARID is to promote creation of National Committees for irrigation and drainage of ICID. The group may discuss about the establishment of regional cooperation with ARID and explore possibility of making non-members from ARID as members of ICID to support its objective of setting of NC for irrigation and drainage at the meeting. ARID representative/ Chair will provide further updates at the meeting.

AFRWG Agenda Item 6.3: Northern African Regional Association for Irrigation and Drainage (NARAID)

13. During Chiang Mai meeting, the group noted and appreciated the efforts being made by Egypt for development of a Memorandum of Understanding (MoU) with all the North African countries, and holding elections to decide on the chairmanship and location of the office. Chair will provide further updates at the meeting.

AFRWG Agenda Item 7: Updates on activities of member countries

AFRWG Agenda Item 7.1: 6th technical days of irrigation, December 2016, Burkina Faso

14. The National Committee on Irrigation and Drainage of Burkina Faso (CNID-B) organised its Sixth Technical Days of Irrigation on the theme "The Semi- Californian: Origin, Challenges and What Adaptations to Burkina Faso" from 7-8 December 2016 in Ouagadougou, Burkina Faso. The opening ceremony was presided by the Director of Cabinet of the Minister of Agriculture and Hydraulic Development, representing Minister Jacob OUEDRAOGO. The event was attended by about eighty professionals, consisting of young professionals from a variety of Ministries, Associations, NGOs, projects and Programs, consulting firms, hydraulic works companies, training and research institutions and national committees that are members of the Regional Association of Irrigation and Drainage (ARID) of Mali (AMID), represented by Mr. Adama SANGARE and Niger (ANID) represented by Mr. Salifou Ahmed. The themes of the sessions were covered through twelve papers followed by debates. The national committees of Mali and Niger contributed papers on the situation of irrigation in their countries.

AFRWG Agenda Item 7.2: Establishment of ENCID-YPF

15. Chair VP Dr. Mohamed Wahba in coordination with ICID President and Central Office has started an action plan to activate the role of African National Committees in all the activities of ICID. This plan is based on strengthening the participation of Young professional through establishing YPF group at national levels, dissemination of ICID activities, utilization of the available resources to provide all the technical support to them to learn and exchange experience and knowledge from the ICID activities. The aim of this plan is to increase the number of memberships of YP at national levels and improve their participations and contribution in all ICID activities mainly in AFRWG and finally to prepare qualified YP for better future for all African National Committees.

16. In June 2017, Chair VP Wahba informed that the Egyptian National Committee on Irrigation and Drainage (ENCID) has established a new Working Group for Young Professional Forum (ENCID-YPF) and the first meeting was organized on 1 June 2017. During the meeting, a brief introduction was given about the ICID and IYPeF and it was agreed to develop a work plan for activities of YPF. Chair also informed that similar initiative have been taken in Morocco, Somalia, and Sudan. Chair will provide further updates on initiatives taken by him. AFRWG members may like to brief about activities undertaken by their NCs.

AFRWG Agenda Item 8: 5th African Regional Conference

17. WG Chair followed-up with the members to come forward to host 5th African Regional Conference (5th ARC). WG Chair informed that Morocco is considering to submit proposal for hosting 5th ARC. WG Chair/ member from Morocco will provide further updates in the meeting.

AFRWG Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft Minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

A. Membership of African Regional Working Group (AFRWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	Egypt (1950)	VP Dr. Mohamed Wahba, Chair (2016)	Attended meeting in 2016
2.	South Africa (1993)	Dr. Sylvester Mpandeli, Vice Chair (2016)	Attended meetings in 2015 & 2016
3.	Burkina Faso (2014)	Mr. Jean Bernard Dambre, Secretary (2016)	Attended meeting in 2016
4.	Burkina Faso (2014)	Mrs. Salamata Karambiri MIWENDE (2015)	Attended meeting in 2015, one nomination per NC ¹
5.	Chad (2012)	Mr. Tchouadang Kadjonga (2015)	Attended meeting in 2015
6.	Egypt (1950)	VPH Dr. Samia El-Guindy (2010)	Attended meeting in 2015 and represented by ENCID in 2016, one nomination per NC ¹
7.	Ethiopia (1976)	Representative from ETCID	ETCID requested to send nomination for the Group
8.	Madagascar (2014)	Representative from MADCID	MADCID requested to send nomination for the Group
9.	Malawi (1967)	Representative from MALCID	MALCID requested to send nomination for the Group
10.	Mali (2005)	Representative from AMID	AMID requested to send nomination for the Group
11.	Morocco (1959)		Nomination received
12.	Niger (2007)	Representative from ANID	ANID requested to send nomination for the Group
13.	Nigeria (1970)	Engr. Joe Kwanashie (2014)	Represented by NINCID in 2015
14.	Somalia (2017)		Nomination received
15.	Sudan (2015)		Nomination received
16.	Tanzania (2011)	Representative from TANCID	TANCID requested to send nomination for the Group
17.	Zambia (1966)	Mr. Mulako Cornelius Sitali (2015)	Contributed in 2016
18.	Zimbabwe (1955)	Representative from ZwCID	ZwCID requested to send nomination for the Group
Observers/ Permanent observers			
1.		FAO Representative	
2.		World Bank Representative	
3.	Italy	Mr. Jean Syroganis Camara	
4.	Italy	Mr. A. de Vito	
5.		ARID Representative	Attended meeting in 2015
6.		SARIA Representative	
7.		AgWA Representative	Attended meeting in 2015

B. New nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1	Ms. Sara Boularbah – Young Professional	Morocco	Recommended by Chair subject to her presence or contribution to activities of the AFRWG else Provisional Member
2	Ms. El Oumlouki Kaoutar – Young Professional	Morocco	Recommended by Chair subject to her presence or contribution to activities of the AFRWG else Provisional Member
3.	Mr. Abdullahi Hassan Hussein – Young Professional	Somalia	Member Attended meeting in 2016 and also contributed to the activities of AFRWG
4.	Eng. Mohamed Mohamud Abdi	Somalia	Recommended by Chair subject to his presence or contribution to activities of the AFRWG else Provisional Member
5.	Eng. (Ms.) Hind Massoud Hamed Elneel	Sudan	Recommended by Chair subject to her presence or contribution to activities of the AFRWG else Provisional Member
6.	Eng. Marwa Faisal Salman Mohamed – Young Professional	Sudan	Recommended by Chair subject to his presence or contribution to activities of the AFRWG else Provisional Member
7.	Eng. Omer Yousef	Sudan	Observer
8.	Eng. Omnia Hassan Ahmad Salem – Young Professional	Egypt	Recommended by Chair subject to her presence or contribution to activities of the AFRWG else Provisional Member



¹ Only one nomination per NC is allowed and other may be Young Professional or otherwise as 'Observer'

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 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 NARAID				
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
AMERICAN REGIONAL WORKING GROUP (AMRWG)**

11 October 2017, 09.00-10.30 hours (Session-I)
11 October 2017, 11.00-12.30 hours (Session-II)
Mexico City, Mexico

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.

Way Forward

7. 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 23rd International Congress on Irrigation and Drainage and 68th International Executive Council (IEC) meetings scheduled to be held from 8-14 October 2017 at Mexico City, Mexico and later in the next year, 69th International Executive Council Meeting and International Conference is scheduled to be organized from 12-17 August 2018 at Saskatoon, Canada.

8. It is therefore proposed to come together on 11 October 2017 during the 23rd ICID Congress at Mexico City, Mexico 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. Members/attendees may deliberate and evolve a action plan for at least three years with a mandate and an agenda specially when the next ICID meetings will be held in Canada in 2018.

Issues for discussions

Members / attendees may deliberate on issues such as:

1. Are there institutions / network like Southern African Regional Irrigation Association (SARIA) in Africa, to promote agriculture water management in South/Central America?
2. Do the South / Central American countries gain by joining ICID?
3. 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?
4. How can appropriate technologies in irrigation and drainage be shared among South American countries?
5. Is language a problem for interlinkages with ICID? If so, how can the language barriers be overcome?



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present his report to PCSO meeting on 12 October 2017.

**AGENDA FOR THE 24TH MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)**

11 October 2017, 09.00-10.30 hours (Session I)
11 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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 Chair

1. The Chair will present report on the actions taken on the decisions and proposals made at the working group meeting held at Chiang Mai in November 2016.
2. The nominations of Dr. (Ms.) Mu Than (Myanmar), Mr. Bashu Dev Lohanee (Nepal); Ms. Jeong Min, Ryu – as Young Professional (Korea, Rep. of); Eng. W.B. Palugaswea (Sri Lanka) have been received and are recommended for the membership. In 2016, Mr. Shaimaa Shihab Ahmed and Mr. Ammar Salah Ahmed Manhee (Young Professional) from Iraq were admitted as Provisional Members. They were expect to attend the meetings and/or contribute to the activities of the WG through email/ video conference. The WG will decide about their membership at the 25th meeting of ASRWG in 2018 at Saskatoon, Canada. Eng. Nasser Ahmad Fayaz from Afghanistan was present in WG at Chiang Mai meeting (2016) and ICID membership of Afghanistan National Committee is being followed-up by ICID Central Office. The Chair may apprise the WG on the membership issue.
3. The member from India (Dr. Kota Tirupataiah) has not contributed to the activities of the WG for two years and therefore as per ICID By-law 3.5, he is recommended to be discontinued and new member would be invited from India as well as other NCs. Chairman in consultation with the Central Office has 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. Following the successful Side Event jointly organized by ASRWG (WT) and AARDO on “Agricultural water Management of Sustainable Rural Development”, a Special Issue of AARDO Journal has been published in July 2017 which included 10 technical papers submitted during this event. Further, the Technical report of ASRWG (WT) titled “Contribution of Agricultural Water to the Rural Development in Asia” has been completed and will be reviewed during the meeting. The chair may apprise the group about the report at the meeting.

ASRWG Agenda Item 2: Road Map to ICID Vision 2030 – Activities in Asian region

5. During Chiang Mai meeting (2016), the group discussed and reviewed the activities of the WG listed in the Action Plan 2030. Referring to the 6 organizational goals of ICID Action Plan 2030, the activities of the ASRWG will include contributions to goals No. 2,3 and 4 by means of special joint technical meetings (with AARDO, 2017), Technical Reports (technical report of ASRWG(WT) will be available in WWF8 (2018), Conference/Workshop (likely collaborating between PAWEES and ASRWG (like joint conference in 2016 in Daejeon City in Korea) and active participation and contribution to WWF8 and Young Professionals program at Beijing, China in September 2017.
6. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report “A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030”. Action Plan for ASRWG as presented in CG report is given at **Annex 2**. The Chair and the members would provide and deliberate on the latest status of the activities of the action plan.

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

7. During Chiang Mai meeting (2016), the Chairman requested the WG to advice on how to enhance the regional and sub-regional cooperation. In this respect, the regional cooperation between Chinse Taipei (CTCID) and

Indonesian National Committee (INACID) and Malaysian National Committee (MANCID) would be presented by the concerned National Committees during the meeting.

8. A Joint Meeting between IRNCID and Italian National Committee on Irrigation and Drainage (ITAL-ICID) was held on 10 May 2017 to expand their cooperation and exchange of experiences on irrigation and drainage management. On behalf of ITAL-ICID, Dr. Arnaldo Pierleon visited IRNCID Secretariat and participated in a joint session to explore the areas of cooperation between the IRNCID and ITAL-ICID. To encourage inter-NC cooperation, President Dr. Saeed Nairizi participated in the Session. IRNCID and ITAL-ICID decided to develop a cooperative program for dealing with existing challenges in irrigation and drainage sector and go for a formal Memorandum of Understanding (MoU) between the National Committees of the countries in the near future. In June 2017, IRNCID and Italian National Committee (ITAL-ICID) discussed about the future cooperation between them and also prepared a MOU for this purpose which is under final approval by the Ministry of Agriculture in Italy. Representative of the National Committee/ Chair may apprise further progress on cooperation 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)

9. Following the successful collaboration between PAWEES and ASRWG(WT) on “Agricultural water for the Development of Rural Society in Asia” chaired by Prof. Choi in Korea (Daejeon, October 2016), the President of PAWEES has promised to actively support the ASRWG by preparing a draft proposal for such collaboration. Chairman will appraise the WG about any outcomes of such collaboration.

10. The 14th International Symposium and Steering Committee meeting under the theme “Strengthening Global Partnership for Sustainable and Climate Resilient Irrigation and Drainage Systems Paddy Fields” will be hosted by the INWEPF-Philippines and the National Irrigation Administration (NIA) during 21-24 November 2017 at Zone Angeles City, Philippines. Members may like to participate in the Symposium.

ASRWG Agenda Item 5: 8th Asian Regional Conference, 2-4 May 2018, Nepal

11. The 8th Asian Regional Conference entitled “Irrigation in Support of an Evergreen Revolution” will be held during 2-4 May 2018 at Kathmandu, Nepal. The NENCID has published the first announcement of the conference. Mr. Madhav Belbase the President of Nepal National Committee (NENCID), and Vice President of ICID will apprise the WG about the conference. For more information and logistics of this event, please visit website <http://nencid.org.np/8th-annual-regionalconference>.

ASRWG Agenda Item 6: Publications of the Working Group

ASRWG Agenda Item 6.1: Technical report of ASRWG-WT “Contribution of Agricultural Water to the Rural Development in Asia”

12. The final report of AWRWG-WT titled “Contribution of Agricultural Water to the Rural Development in Asia’ was planned to be published in 2017 (contents in **Annex 3**) and presented/distributed during the 8th World Water Forum (WWF8) in 2018. Prof. Choi, the chair of WT will apprise the WG on the status of this publication.

ASRWG Agenda Item 7: Capacity development programme for Young Professionals from Asian region in 2017, China

13. The Asian Young Professionals (YPs) Training Programme on the theme “Performance Assessment of Irrigation Systems” will be held in China in November / December 2017. It is noteworthy to inform that 10 YPs will be provided with full scholarship to attend the training whereas the rest sponsored by the respective National Committees. National Committee representative from CNCID/ Chair may further update at the meeting.

ASRWG Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

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 2015 & 2016 and contributed
2.	China (1963)	Mr. Wang Aiguo (2016)	Attended in 2016
3.	India (1950)	Dr. Kota Tirupataiah (2012)	No contribution during last 2 years
4.	India (1950)	Dr. Rajinder Kumar Gupta -Direct Member (WAPCOS) (2014)	Contributed an abstract for internal workshop in 2015
5.	Japan (1951)	Mr. Naoki Hayashida (2014)	Attended meetings in 2015 and 2016
6.	Malaysia (1958)	Ir. Syed Abdul Hamid bin Syed Shuib (2013)	Represented by MANCID in 2015 and 2016
7.	Nepal (1973)	Mr. Bashu Dev Lohanee	Nomination received/ Recommended
8.	Thailand (1950)	Mr. Arthon Suttigarn (2012)	Attended meetings 2015 and 2016
9.	Turkey (1954)	Dr. Aynur Fayrap (2012)	Attended meeting 2015 and represented in 2016
10.	Indonesia (1950)	Dr. Mochammad Amron (2015)	Attended meetings in 2015 and 2016
11.	Chinese Taipei (1969)	Dr. Gwo-Hsing Yu (2015)	Attended meeting in 2015 and represented in 2016
12.	Korea, Rep. of (1970)	Prof. (Ms.) Kyung Sook Choi (2015)	Contributed in 2015 and 2016
13.	Korea, Rep. of (1970)	Ms. Jeong Min, Ryu – Young Professional	Nomination received/ Recommended
14.	Australia (1952)	Mr. Stephen Mills (2015)	Attended in 2016
15.	Uzbekistan (1994)	Mr. Ilkhom Juraev (2015)	Contributed in 2016
16.	Iraq (2006)	Mr. Shaimaa Shihab Ahmed (2016)	No contribution
17.	Iraq (2006)	Mr. Ammar Salah Ahmed Manhee - Young Professional (2016)	YP/ No contribution
18.	Myanmar (1962)	Dr. (Ms.) Mu Than	Nomination received/ Recommended
19.	Bangladesh (1973)	Representative from BANCID	BANCID has been requested to send nomination for the Group
20.	Kazakhstan (2006)	Representative from KAZCID	KAZCID has been requested to send nomination for the Group
21.	Pakistan (1953)	Representative from PANCID	PANCID has been requested to send nomination for the Group
22.	Philippines (1956)	Representative from PNC-ICID	PNC-ICID has been requested to send nomination for the Group
23.	Saudi Arabia (1977)	Representative from SACID	SACID has been requested to send nomination for the Group
24.	Sri Lanka (1950)	Eng. W.B. Palugaswewa	Nomination received/ Recommended
25.	Tajikistan (1997)	Representative from TAJCID	TAJCID has been requested to send nomination for the Group

B. New nominations received from the National Committee

Sl. No.	Name	Country	Remarks
(1)	Ms. Jeong Min, Ryu – Young Professional	Korea, Rep. of	Recommended subject to her presence or else Provisional Member
(2)	Dr. (Ms.) Mu Than	Myanmar	Recommended subject to her presence or else Provisional Member
(3)	Mr. Bashu Dev Lohanee	Nepal	Recommended subject to his presence or else Provisional Member
(4)	Eng. W.B. Palugaswewa	Sri Lanka	Recommended subject to his presence or 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 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)



**TECHNICAL REPORT ON
"CONTRIBUTION OF AGRICULTURAL WATER TO THE RURAL DEVELOPMENT IN ASIA"**

▪ **Reviewed papers: 38**

No.	Review papers	Total
1	Part I – Background note: papers (6) Additional paper: 2016PAWEES-ASRWG small conf. (2), 2016ICID SE2 (6)	14
2	Part II – Cases and experiences: papers (15)	15
3	Additional paper: 2016INWEPF WG2 Workshop (9)	9

▪ **Selected papers: 16**

Part I – Background note			
1	Prof. Tai Cheol Kim	Korea	A way to achieve food security and reach an advanced status - Focusing on Korean experience -
2	Mr. Naoki Hayashida	Japan	Contribution of agricultural water to the rural development in Japan
3	Mr. Thierry Facon	FAO	Irrigation and rural development: A changing relationship
4	Dr. Somkiat Prajamwong	Thailand	Transition towards sustainable rural development in Thailand
5	Dr. Mochammad Amron	Indonesia	The role of irrigation development in food security and poverty alleviation in Indonesia
6	Dr. Aynur Fayrap	Turkey	Turkish experiences on irrigation improvement
7	Dr. Gwo Hsing Wu	Taiwan	Agricultural irrigation and rural development
Part II – Cases and experiences			
8	Mr. Masao Miyazaki	Japan	Mechanism of Japan's irrigation and drainage system
9	Dr. Ray Shyan Wu (2)	Taiwan	The impact of agriculture policy to rural water management in northern Taiwan
10	Mr. Soe Myint Tun	Myanmar	Comprehensive approach towards sustaining agriculture development in Myanmar
11	Dr. Kamrul Ahsan	Bangladesh	Process of comprehensive agricultural development project and cases of well-developed models on rural development
12	Mr. Suresh A Kulkarni	India	Achievements and challenges in irrigation development: Experiences from Maharashtra State of India
13	Prof. Kwand-Sik Yoon	Korea	Paddy water environment and rural development in Korea
14	Mr. Arthon Suttigarn	Thailand	Krasae reservoir project: Medium scale project for rural community in eastern region
15	Ms. Le Thi Hong Nhung	Vietnam	Development of BENCHMARKING system for irrigation management in Vietnam
16	Bayani P. Ofrecio	Philippines	Irrigation management transfer program in national irrigation systems of the Philippines



**AGENDA FOR THE 28TH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**

11 October 2017, 13:30-15:00 hours (Session-I)
11 October 2017, 15:30-17:00 hours (Session-II)
Mexico City, Mexico

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. Luis Felipe Alcocer (Mexico, 2016), Chairman; (2) VPH Laurie C. Tollefson, CANSID representative; (3) Mr. Bashu Dev Lohanee, NENCID representative; (4) Mr. Anuj Kanwal, INCSW representative; (5) INACID representative; (6) Mr. Bryan Ward & Mr. Momir Vranes, IACID representatives; 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 Dr. Luis Felipe Alcocer (Mexico) may like to present a report on the actions taken on the various decisions/proposals of the Committee since 27th meeting of C-CONGR at Chiang Mai in 2016.

C-CONGR Agenda Item 2: Overview of the 23rd ICID Congress & 68th Meeting of IEC at Mexico City (8-14 October 2017)

2. Dr. Luis Felipe Alcocer, Secretary General of Mexican National of ICID (MXCID) will apprise the Committee members about the overview of the 23rd ICID Congress and 68th IEC meetings at Mexico City, Mexico. The main theme of the Congress was *“Modernizing Irrigation and Drainage for a new Green Revolution”*.

3. During the 23rd ICID Congress, papers have been presented and discussed for two Congress Questions i.e. Q.60: Water Productivity: Revisiting the concepts in light of water, energy and food nexus; and Q.61: State of knowledge of irrigation techniques and practicalities within given socio-economic settings; a Special Session on “Irrigation techniques for reuse of wastewater in agriculture and impact on health and environment”; a Symposium on “Global Review of institutional reforms in irrigation sector for sustainable agriculture water management” and a Seminar on “Water Use in food value chains: a Challenge for a New Green Revolution”

4. In addition, a Special Workshop on “Applications of Geosynthetics to Irrigation, Drainage and Agriculture” contributing towards the Congress sub-question 61.3 “Adaptability an affordability of new technologies under different socio-economic scenarios” was also organized by the International Geosynthetics Society (IGS) Technical Committee on Hydraulic Applications on 8th October 2017. Mr. Timothy D. Stark (tstark@illinois.edu), the Workshop Chairman, had roped in six experts to enlighten the audience on various aspects of the subject.

5. More than 280 abstracts were received for the Congress and about 155 abstracts and full length papers have been published in the ‘Abstract Volume’ and in the USB, respectively. These pre-congress proceedings have also been made available to each registered delegate. The General Reporters (GRs), Panel Experts (PEs)/Co-chairs and numerous Reviewers have done a commendable job by perusing the abstracts/papers for the Congress.

6. The Somali National Committee on Irrigation and Drainage (SONCID) was given opportunity to present their activities during the IEC Plenary.

7. ICID has provided scholarships to 10 deserving YPs from around the world for attending the 23rd ICID Congress. The YP scholarship included – free registration, accommodation and travel. They have been assigned

duties/work during the Congress – assist to conduct various sessions etc. besides attending WG meetings of their choice and participating in the training workshops, specially organized of them.

8. The Chairman may further apprise the members of the Committee.

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

C-CONGR Agenda Item 3.1: 8th Asian Regional Conference, 2-4 May 2018, Kathmandu, Nepal

9. The 8th Asian Regional Conference (ARC) will be organized by the Nepal National Committee on Irrigation and Drainage (NENCID) on the theme “*Irrigation in Support of an Evergreen Revolution*” from 2-4 May 2018 at Kathmandu, Nepal. The announcement and call for papers of the 8th ARC have been issued and widely circulated amongst the National Committees (NCs), International organizations and others. More information on 8th ARC is available at <http://nencid.org.np/8th-annual-regional-conference/>

10. Mr. Bashu Dev Lohanee, General Secretary of NENCID or other representative from NENCID would further apprise the Committee about the preparations made and detailed planning for the 8th Asian Regional Conference.

C-CONGR Agenda Item 3.2: 69th IEC Meeting and International Conference, 12-17 August 2018 at Saskatoon, Canada

11. The 69th International Executive Council (IEC) Meeting and International Conference will be organized by the Canadian National Committee of ICID (CANCID) on the main theme “Innovative and Sustainable Agri-Water Management: Adapting to a Variable and Changing Climate” and sub-themes are - (i) Sub-theme 1: Competing Water Demands; (ii) Sub-theme 2: Resilient Agriculture – Adapting Agriculture to Climate Change; and (iii) Sub-theme 3: Irrigation and Drainage in Perspective. The first announcement of the 69th IEC and International Conference (http://www.icid2018.org/media/attachments/2017/06/05/icid_first_announcement_english_final.pdf) has been posted on the ICID website. Please also visit the conference website <http://www.icid2018.org> for more information of the event.

12. VPH Laurie Tollefson, Secretary - Treasurer from CANCID may apprise the Committee about the preparations made and detailed planning for the 69th IEC meeting and International Conference to be held at Saskatoon, Canada.

C-CONGR Agenda Item 3.3: 9th International Micro Irrigation Conference, January 2019, Aurangabad, India

13. The representative from Indian National on Surface Water (INCSW) may apprise the Committee about the preparations made and detailed planning for the 9th International Micro Irrigation Conference.

C-CONGR Agenda Item 3.4: 70th IEC Meeting and 3rd World Irrigation Forum (WIF3), in October 2019, Bali, Indonesia

14. The 70th International Executive Council (IEC) Meeting and 3rd World Irrigation Forum (WIF3) will be organized by Indonesia National Committee of ICID (INACID) in October 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 agriculture water productivity with focus on rural transformation.

15. 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 3.5: 71st IEC Meeting and 24th ICID Congress, 22-28 September 2020, Sydney, Australia

16. The 71st International Executive Council (IEC) Meeting and 24th International Congress on Irrigation and Drainage will be hosted and organised 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. Please visit to event website at <https://www.irrigationaustralia.com.au/eventsandnews/2020-ial-icid-71st-world-congress> for more information.

17. Mr. Momir Vranes and/or Mr. Bryan Ward, Chair and Member, respectively, from Australian National Committee of ICID (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 4: Any other business

Letter of Agreement (LoA) for hosting Congresses / WIFs

18. ICID triennial Congresses and World Irrigation Fora (WIFs) are the flagship events of ICID focusing on current global issues of the time. ICID organizes these events in cooperation with concerned host National Committees. To facilitate the organizational processes and increased understanding between the parties, it is proposed to bring out a 'Letter of Agreement' (LoA) as available in supplementary agenda of C-CONGR.

19. Various issues related with organizational processes and commitments for Congresses / WIFs have been brought out in the LoA. Members may recommend the proposed 'LoA' for approval by PCSO/IEC.

New Chairman

20. Australian National Committee to assume the chairmanship of C-CONGR for next year.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City, Mexico after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

**AGENDA FOR THE 23RD MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)**

11 October 2017, 09:00-10.30 hours (Session-I)
11 October 2017, 11:00-12.30 hours (Session-II)
Mexico City, Mexico

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 Chair

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 22nd meeting held at Chiang Mai in November 2016.
2. No new nominations have been received from 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.

ERWG Agenda Item 1.1: Strengthening the membership in Europe

3. The German National Committee of ICID (GECID) under the Federal Ministry of Food and Agriculture had withdrawn their membership from ICID in 2014. During the World Bank Week from 13-14 March 2017 in Maryland, USA, Er. Avinash C. Tyagi, Secretary General, ICID met H.E. Astrid Jakobs de Padua, Minister Counsellor, Food and Agriculture, Embassy of the Federal Republic of Germany and discussed the issue of reactivation of GECID. Accordingly SG wrote a letter to HE Padua giving details of GECID with the request to take up matter with the relevant ministry for reactivation of GECID. Further, Er. Harish Kumar Varma, Executive Director of ICID, during the Partners Meeting on Global Framework on Water Scarcity (GFWS) in Agriculture during 19-20 April 2017 at FAO, Rome, Italy, met Ms. Sophie Maja Stahlberg, Deputy Head of Division, World Food Affairs, International Food and Agricultural Organisations of Federal, Berlin, Germany and briefed her about ICID activities and membership status of the German National Committee and sought her support in taking up matter with the appropriate authorities for reactivation of GECID. In addition, Dr. Saeed Nairizi, President, ICID also followed-up with his contacts in Germany for reactivation of GECID. Any updates on the reactivation of GECID will be provided at the meeting.
4. Vice President Dr. Irene G. Bondarik (Russia) took part in the International Drainage Workshop at Latvia and discussed with H.E. Mr. Janus Duklavs, Minister of Agricultural Rural Estate and Mr. Robert Dilba, Chairman of the Land Reclamation Board, Ministry of Agriculture Rural Estate about the possibility of Republic of Latvia taking up membership of ICID. VP Dr. Bondarik has also raised the issue of Georgia membership with the Representative of the Ministry of Agriculture of Georgia Republic during the workshop. VP Dr. Bondarik may apprise the Group about the progress of joining of Georgia and Latvia as a member of ICID.

ERWG Agenda Item 2: Road Map to ICID Vision 2030 - Activities relevant to European Region

5. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan 2017-21 for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for ERWG as presented in CG report is given as **Annex 2**.
6. During Chiang Mai meeting, the Chair presented and discussed the draft Action Plan 2030 of the WG and identified that two goals- Be a catalyst for change in policies and practices, and Facilitate exchange of information, knowledge and technology are very relevant to the activities of ERWG and its members. WG will discuss the activities of the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve outcome as per milestones indicated in the Action Plan.

ERWG Agenda Item 3: Review of policy issues impacting irrigation and drainage sector

7. During Chiang Meeting held in November 2016, ERWG noted that European Union policies related to water resources sector have resulted in diminishing importance of policy making in irrigation and drainage in the countries. Accordingly, the Group included “Review of European/NC policy documents related to water resources that impact irrigation and drainage sector” as one of its activities in the Action Plan under **Goal B**: Be a catalyst for change in policies and practices (Annex 2). Chair of ERWG may apprise the WG members the latest status of the action initiated during the meeting.

ERWG Agenda Item 4: Links with regional and trans-national organizations for co-operation

8. The ERWG Water Network includes 7 National Water Management Associations, 5 European professional organisations, and 5 European Water Management Institute (**Annex 3**). During the Chiang Mai meeting (2016), Chairman requested the members of the WG and National Committees in Europe to review the list of regional and transnational organisations and update the contact details of the network so that ICID Central office can send information like e-Bulletin, News Update and ICID News and other publicity material directly to these organisations also. WG will discuss the status of interaction or cooperation with these regional and transnational organisation during the meeting.

ERWG Agenda Item 5: Activities of Focus Groups of ERWG

9. During the Chiang Mai meeting, the WG discussed the activities of Focus Groups and decided to have following five Focus groups based on their relevance to Europe: (a) Focus Group on History (b) Focus Group on Environment (c) Focus Group on Sustainable Drainage (d) Focus Group on Water Related Risks (e) Focus Group Irrigation and Drainage in the States under Socio-economic Transformation. These Group have been setup to raise the issues related to European viewpoint in the respective workbodies of ICID and revert back to ERWG on the relevant issues within the scope of focus groups. ICID Central Office followed up matter with the lead members of the Focus Groups. Focus group lead members will apprise the members of the ERWG on the latest updates/feedback.

ERWG Agenda Item 6: Revitalization of ICID Network

10. As per decision of the 66th International Executive Council (IEC) meeting held in October 2015 at Montpellier, France (Resolution IEC-3/66), a Task Force was setup to study the reasons responsible for the gradual withdrawals of NCs from Europe from the membership of ICID and other issues faced by the NCs, with a broadened scope, under the chairmanship of Chair, PCSO. IEC in its meeting in Chiang Mai in November 2016, extended the term of the Task Force on Revitalization of ICID Network (TF-REV) by one more year (up to 2017) to complete its full mandate especially with respect to the Terms of Reference (ToRs) related to NCs from European region and finalise its recommendations duly incorporating the response to the questionnaire from European NCs.

11. Based on the inputs received from five European NCs only (Hungary, Italy, Russia, Ukraine and UK), since Chiang Mai meeting, TF updated the draft report can be accessed or downloaded at http://www.icid.org/revitalization_report.pdf which was shared with the ERWG to deliberate the issues on ERWG platform, especially on issues related to the constitution of European NCs and reasons for gradual withdrawal of European NCs from membership of ICID. ERWG was requested to provide inclusive analysis and recommendations integrating views emerging from deliberation on the report and the inputs received from NCs in the European region. ERWG Chair will apprise members on the latest update on the contribution of the WG to the TF report.

ERWG Agenda Item 7: Dissemination of activities of WG

ERWG Agenda Item 7.1: Website of the Group

12. During the Chiang Mai meeting, WG Chair requested the members of Group to provide a short summary of the events organised by their National Committee to ICID Central Office for inclusion in the ICID News Update for wider dissemination. The website of the ERWG <http://erwg.icidonline.org/> has been updated with the new membership list, agenda, minutes, paper presentations, publications etc. Based on discussion during Chiang Mai meeting, ICID Central Office requested three young professionals - Ir. Mika Turunen (Finland), Ms. Caroline Coulon (France) and Mr. David Vanneck (UK), who participated in the ERWG meeting and agreed to support the activities of the Group, to share their ideas, insight on the use of ICT and alternative communications tools, including social media in activities of the group. WG members may like to discuss and evolve methodology for sharing of information and updation of ERWG website. 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 7.2: Webinar / Web-based Seminar

13. At Chiang Mai meeting, the ERWG supported the suggestion of organizing webinars to promote sharing of vast expertise available with ICID fraternity. The Central Office requested members to provide their suggestions on the 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. The group may discuss and suggest suitable topics along with names of expert for organizing webinars.

ERWG Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

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
2.	Ukraine (1996) 2014	VPH Prof. Dr. Peter Kovalenko, Vice Chairman, 2005 (1999)	Attended the meeting in 2016
3.	Finland (2000)	Mr. Olli-Matti Verta, Secretary, 2011	Attended the meeting in 2016
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
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
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
13.	Netherlands (1950)	Representative	PH Bart Schultz and VP Prof Charlotte de Fraiture from Netherlands attended the meeting in 2016 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 Nicolaesco (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
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
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	Prof. Brane Maticic
France	Dr. Sami Bouarfa	Spain	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-Matti Verta (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



**AGENDA FOR THE 8TH MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

11 October 2017, 09.00-10.30 hours (Session I)

11 October 2017, 11.00-12.30 hours (Session II)

Mexico City, Mexico

Presented by the Chairman

Year of Establishment: 2009

Extended completion of the Mandate: 2017

Mandate: (1) To develop and strengthen the network among the countries of transition; (2) to organize monitoring and evaluation of common problems in the States that belong to transition economy; (3) 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; (4) to summarize the experiences in overcoming negative tendencies in organizing public-private partnerships, implementation of IWRM and broad-basing of stakeholder; (5) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Caspian Sea), salinization and water logging, etc.; (6) development of appropriate advance irrigation and drainage technology in transition states and its dissemination through capacity building; (7) to promote farmer's training to create awareness about irrigated and drainage agriculture.

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

WG-IDSST Agenda Item 1: Action taken report by Chair

1. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. The existing 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.

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

3. During Chiang Mai meeting (2016), the group discussed and finalized the Action Plan 2030 presented by Chair VPH Dr. Peter Kovalenko. The action plan included activities like - publication, organization of workshops, compilation of database, training workshops etc.
4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Road Map to ICID Vision 2030" which can be accessed or downloaded from <http://www.icid.org/icid_vision2030.pdf>.. Action Plan for WG-IDSST as presented in CG report is given at **Annex 2**. The WG may discuss and plan activities of the WG to take the mandate of the WG forward.

WG-IDSST Agenda Item 3: Develop and strengthen the network among the countries

5. During Chiang Mai meeting (2016), VPH Peter Kovalenko proposed to develop and strengthen the network among the countries and encouraged the members to - (a) update information/ statistics on irrigation and drainage; (b) publish/ disseminate the reports/ database through websites such as SIC-ICWC; (c) organize regional meeting / workshop possibly before ICID Congress in 2017. ICID Central Office is always willing to assist in the preparation of e-publications of the WG and its dissemination. Chair will provide further updates at the meeting.

WG-IDSST Agenda Item 4: Monitoring and evaluation of common problems in states with economy in transition - Update

6. The paper titled "*Irrigation and Drainage in the States under Economic Transformation*" presented by Chair VPH Peter Kovalenko for the Working Group was uploaded on group's website at

<http://www.icid.org/rep_idsst_2016.pdf> for wider dissemination. Members are requested to access the link for downloading the report and perhaps update the country data. They may provide interesting reports/ documents for uploading on the website as well.

WG-IDSST Agenda Item 5: Create database on irrigation and drainage in the countries of transition

7. The Working Group at Chiang Mai meeting decided to synthesize/ compile the material/ data that is already available from a project report published in 2005 through the European Regional Working Group. In February 2017, the Central Office requested Chair to compile and provide data so that it can be uploaded on the website. Chair will provide further updates at the meeting.

WG-IDSST Agenda Item 6: Scoping Document for the Working Group

The closure report and scoping document (SD) of the working group was presented and discussed during Chiang Mai meeting (2016). In May 2017, the updated Scoping Document for the establishment of the new WG has been circulated to all National Committees inviting their comments/ suggestions together with new nominations for the group. The updated Scoping Document is given as **Annex 3**. Members may deliberate and finalize the SD and new Mandate of the WG at the meeting. After discussion, Chair will provide the final mandate of the group to PCSO/ IEC for recommendation and approval by the Council.

WG-IDSST Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

Annex 1 [Appendix VIII, Item 1]

ATTENDANCE OF MEMBERS AT 2015 AND 2016 MEETINGS

Sl. No.	Members	Member from	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Prof. Peter Kovalenko, Chairman (Ukraine)	2009		•	•	•	
2.	VPH Prof. Victor A. Dukhovny, Vice Chairman (Uzbekistan)	2009		•			
3.	Dr. Shukhrat Mukhamedjanov, Secretary (Uzbekistan)	2014	•	•	•		
4.	Dr. Katsuyuki Shimizu (Japan)	2013		•	•		
5.	Dr. Rajinder Kumar Gupta - Direct Member (India)	2014		•			
6.	Dr. Alexander Solovyev (Russia)	2014	# ¹				
7.	Engr. Peter Yakube Manjuk (Nigeria)	2014	•				
8.	Mr. Baratov Rustam Okilovich (Tajikistan)	2015	#				
9.	Secretary General, ICID				#		
Permanent Observers / Observers							
(i)	Prof. Daene C. McKinney (IWRA)						
(ii)	FAO Representative						
(iii)	World Bank representative						

Annex 2 [Appendix VIII, Item 2]

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 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)



¹ # Through representation

WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)

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 persons 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 3A**. 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.



**AGENDA FOR THE 2ND MEETING OF THE
ICID YOUNG PROFESSIONAL'S e-FORUM (IYPeF)**

11 October 2017, 09.00-10.30 hours (Session I)

11 October 2017, 11.00-12.30 hours (Session II)

Mexico City, Mexico

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. First physical meeting of the ICID Young Professional's e-Forum (IYPeF) was held at Chiang Mai in November 2016 wherein five joint coordinators participated. During the meeting, Secretary General Avinash C. Tyagi facilitated the meeting with Ms. Kathleen Heuvel as Coordinator of IYPeF.

2. Nominations have been received from the National Committees of Morocco (Ms. Sara Boularbah and Ms. El Oumlouki Kaoutar), Korea (Ms. Jisun Kim), and Russia (Ms. Alina Al Buber) for the membership of the e-Forum as IYPeF is an open forum. The existing Membership of IYPeF is given at **Annex**. The Coordinator will present a brief report on the actions taken on the decisions and proposals of the IYPeF made at its last meeting held at Chiang Mai in November 2016.

IYPeF Agenda Item 2: Report of the 1st virtual meeting of IYPeF, 16 January 2017

3. First virtual meeting of IYPeF was organized on 16 January 2017 wherein five coordinators and four Central Office staff participated. During the virtual meeting, Ms. Jakia Akter (Bangladesh) informed that she has requested about 30 Young Professionals (YPs) from her office to become members of the forum. It was also informed that forum would explore possibilities of linking IYPeF with social media platforms such as Facebook, Twitter etc. Dr. Mika Turunen (Finland) volunteered to undertake take actions in this regard after considering pros and cons of such linking in consultation with the Coordinator of the forum.

4. During the virtual meeting, Secretary General Avinash C. Tyagi suggested that in the year 2017, five to six e-discussions on various topics may be organized and efforts should be made to organize at least one e-discussion every quarter. After discussions, it was decided that IYPeF in consultation with ICID Central Office will identify topics for e-discussion which will be organized sequentially (not in parallel) for a duration of 3 weeks each. One of Coordinators should take lead for a particular e-discussion. After completion of e-discussion, the lead coordinator will prepare a brief of about 2-3 pages as a summary and outcome of e-discussion. Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 3: Report of the e-discussions

5. In 2017, IYPeF organized five e-discussions to enable the YPs to contribute their views on various topics related to the two Questions of the congress as well as the Symposium and Seminar to be held during 23rd ICID Congress in October 2017 in Mexico. Based on active participation and rich contribution to the discussions, Young Professionals were selected for Scholarships to join 23rd Congress and 68th IEC meetings at Mexico City representing Young Professionals. A brief on each of the e-discussion is presented below:

IYPeF Agenda Item 3.1: Water-Food-Energy Nexus in a Changing World (Ms. Adey Mersha)

6. The link between water, energy and food is inextricable in the sense that water is an input for producing all kinds of agricultural crops and along the entire agro-food industry and supply chain. The global community is well aware of food-energy-water challenges, but has often addressed them in isolation, within their sectoral margins. In order to discuss the issue, Ms. Adey Mersha coordinated the first e-discussion on "Water-Food-Energy Nexus in a Changing World" from 6-27 April 2017. The main objectives of the discussion were to bring Young Professionals in

contact with the experts in the field, highlight the views of Irrigation & Drainage Young professionals in a global channel of communication with regard to the concept and application of Water-Food-Energy Nexus approach, and promising long-term role of Irrigation and Drainage young professionals in the promotion and adoption of the nexus approach. During the e-discussion, Vice President Prof. (Ms.) Charlotte de Fraiture (The Netherlands) acted as a Mentor. Ms. Mersha/ Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 3.2: Gendered Impacts of Climate Change on Agriculture (Ms. Jakia Akter)

7. Climate change is an important factor in agriculture since it can affect every step of the crop's growth. In rural areas, women spend more time for food production, collecting and storing food, fuel for cooking and heating, feeding their families, as well as water for all domestic uses, which means less time is spent on education, development work, health etc. In order to discuss these issues, the second e-discussion on "Gendered impacts of climate change on agriculture" was coordinated by Ms. Jakia Akter from 16 May to 3 June 2017. The e-discussion mainly focused on – (a) how women engaged in agriculture are affected by climate change? (b) What gender specific mitigation/adaptation measures can be taken to reduce the adverse impacts of climate change? (c) What specific measures in the Irrigation & Drainage sector can be taken to reduce the additional hardships that results in the life of women due to climate change? Ms. Akter / Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 3.3: Opportunities and Challenges of Drainage Development (Dr. Mika Turunen)

8. Although drainage can play a potential role in food production, there are also challenges in the wider adoption of the drainage procedures. Therefore, it may be argued that institutional mechanisms for drainage implementation have not fully developed. It is also open for debate whether it would be more efficient to consider drainage infrastructure as a public good which should be publicly funded or as a private investment of a farmer. In order to discuss these issues, the third e-discussion on "Opportunities and challenges of drainage development" was coordinated by Dr. Mika Turunen from 9-30 June 2017. The e-discussion focused on - (a) What are the most promising means to enhance and promote the role of drainage in agricultural water management? (b) How irrigation and drainage planners and officers currently take into account the drainage needs? (c) What are the current trends in irrigation and drainage organizations to put more efficient drainage procedures into operation? (d) How the young professionals could promote the drainage issues? Dr. Mika Turunen/ Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 3.4: Role of Irrigation in Food Security (Ms. Kathleen Heuvel)

9. Crop productivity has a vital role in achieving both food security and water sustainability which are in ever increasing demand around the world. In order to explore the role of irrigation in food security, we must also consider environmental issues resulting from over exploitation and poor management of water resources as food production depends on the sustainable use of such land and water resources. In order to discuss these issues, the fourth e-discussion on "Role of irrigation in food security" was coordinated by Ms. Kathleen Heuvel from 21 August- 8 September 2017. The e-discussion focused on - (a) What are the potential solutions for irrigators facing limited water resources and growing food demand? Does this challenge differ for small and large scale irrigators? (b) Are there examples of programs or policies in place that demonstrate sustainable irrigation practices leading to improved crop productivity? (c) How can irrigation management for food production be developed without the loss of vital ecosystems? (d) What are the opportunities or proven practical examples of technology or scientific research being used to develop irrigation for improved food security? (e) What role do Irrigation and Drainage Young Professionals have in helping achieve food security? Ms. Heuvel/ Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 3.5: On Farm Efficiency for Small Scale Farming (Mr. Rafat Nael)

10. Fifth in the series, Mr. Rafat Nael coordinated the e-discussion "On farm efficiency for small scale farming" Mr. Nael will provide further updates at the meeting.

11. 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. Accordingly, Ms. Mersha, Ms. Akter, Dr. Mika Ms. Heuvel, Mr. Rafat – Joint Coordinators submitted their 2-page reports. Members present may inform the group about their experiences. Members will discuss the mechanism as to how they can continue this activity making use of the IYPeF in 2018. Based on the discussions, Coordinator with assistance from Joint Coordinators will develop an Opinion Paper on the discussions by 31 December 2017.

IYPeF Agenda Item 4: Active participation in ICID Webinar services

12. During the first virtual meeting of IYPeF held on 16 January 2017, Secretary General Avinash C. Tyagi proposed to organize two series of webinars, first professional series to be delivered by the identified experts and second YP series to be delivered by identified YP. Webinars would be for a duration of one hour- 35-40 minutes for presentation and 20-25 minutes for discussions.

13. The following webinars were held in 2017: (a) Water Use Efficiency: Er. Felix Reinders (South Africa) on 1 March 2017; (b) Water Accounting and Audit : Dr. Wim Bastiaanssen (The Netherlands) on 3 April 2017; (c) Practical Benchmarking for Improving Performance of Irrigation and Drainage Schemes: Dr. Martin Burton (UK) on 7 June 2017; (d) Planning for Irrigation Modernization – The MASSCOTE Approach: Dr. Robina Wahaj (FAO) on 5 July 2017; (e) National Water Account: Australian Experience: Dr Amgad Elmahdi (Australia) on 18 July 2017; (f) Seminario web sobre El Marco de Contabilidad de Agua WA+ para la Gestión de Recursos Hídricos: Dr. Gonzalo E. Espinoza (UNESCO-IHE) on 25 July 2017.

14. The following was decided during the virtual meeting for YP series: (a) Webinars under YP series would initially be for IYPeF only; (b) Identified YP speaker would prepare a brief concept note (about 300 words) giving scope, objective etc. and send the same to ICID CO well in advance (at least one month in advance) so that it can be shared with relevant WG Chair for their suggestions and views. ICID CO will invite WG to guide and advice on development of webinar material; (c) Announcement for webinar will be issued on IYPeF and other channels at least 15 days in advance of the actual date of webinar. Dr. Mohamed El Hagarey (Egypt) has agreed to organize the Webinar after October 2017. The Coordinator may provide further updates at the meeting.

IYPeF Agenda Item 5: Capacity development programme for Young Professionals from Asian region in 2017, China

15. ICID in association with the Chinese National Committee (CNCID) is planning to organize a five-day training programme in November/ December 2017 on the theme “Performance Assessment of Irrigation Systems”. NC have been invited to nominate Young Professionals (YPs) from institutions involved in agriculture water management within Asian countries to attend the programme. The training programme will provide opportunity to the participants with broad understanding of various related topics pertaining to performance assessment such as need, framework, performance indicators, techniques and tools for performance assessment etc. The main focus will be on physical, institutional, organizational and participatory management aspects. The Coordinator/ Secretary General may provide updates at the meeting.

IYPeF Agenda Item 6: Training workshops for Young Professionals (YPs) in October 2017, Mexico

16. Two half-day training workshops will be held on 13 October 2017 during Mexico Congress. (1) A half-day training workshop for young professionals on “Value Engineering: An effective and efficient methodology for enhancing irrigation, drainage and flood management projects” will be held on 13 October 2017 (09.00-12.30 hours). The main scope of the training is to introduce the concepts of value engineering and its role in irrigation, drainage and flood management projects to increase benefits, reduce cost and ensure sustainable irrigated agriculture. Dr. Kamran Emami (Iran) will be the coordinator of this training workshop. (2) Another half-day Training Workshop on “National Water Account: Australian Experiences” will be held on 13 October 2017 (13.30-17.00 hours). The main scope of the workshop is to introduce the concept of water accounting to young irrigation engineers and professionals related to irrigation and drainage sector. Dr. Amgad Elmahdi (Australia) will be the Coordinator of this training workshop. All YPs are requested to participate in these two workshops.

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

17. Based on the e-discussions organized during the year 2017, members may discuss and propose the new topics for the e-discussions and webinars for the year 2018 at the meeting. They may suggest ways for making the e-discussions more effective.

IYPeF Agenda Item 8: Any other Business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 12 October 2017.

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

Sl. No.	Name / Coordinator	Country	Membership
1	Ms. Kathleen Heuvel	Australia	Coordinator (2016)
2	Ms. Adey N. Mersha	Ethiopia	Joint Co-ordinator (2016)
3	Mr. Rafat Nael Al-Intaki	Iraq	Joint Co-ordinator (2016)
4	Mr. Mika Turunen	Finland	Joint Co-ordinator (2016)
5	Ms. Eman Ragab	Egypt	Joint Co-ordinator (2017)
6	Mr. M. Shoaib Saboory	Afghanistan	Joint Co-ordinator (2017)



**AGENDA FOR THE 37TH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

13 October 2017, 09.00-17.00 hours
Mexico City, Mexico

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 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 Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2015); (8) Mr. Ali Reza Salamat (Iran, 2015) and (9) Er. Avinash C. Tyagi, 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 and vice President Hon. Larry D. Stephens (USA), Secretary (PCTA).

PCTA Agenda Item 1: Water Accounting and water use efficiency: Lecture by Prof. Wim Bastiaanssen

1. ICID has been partnering with like-minded organizations as part of WWC member initiative led by FAO on 'Water Accounting for Agriculture'. The main objective of this initiative is to promote the use of water accounting through a process consisting of expert consultations, policy level interactions and the development of White Paper on Water Accounting for decision making in the agricultural sector.

2. ICID organized a Webinar on the topic 'Water Accounting and Audit' on 03 April 2017 to introduce standardized water accounting procedures that quantifies the watershed processes, assesses a safe level of exploitable water volumes and fixes the maximum amount of water that could be withdrawn and consumed by the irrigation sector. Prof. Wim Bastiaanssen, Professor, Faculty of Civil Engineering and Geosciences at the Delft University of Technology (The Netherlands), who holds the UNESCO Chair for Global Water Accounting made a presentation on 'Water Accounting and Auditing for Irrigation and Drainage Systems' during the Webinar.

3. Prof. Bastiaanssen has agreed to deliver a talk on the 'Water Accounting and Water Use Efficiency' for the benefit of PCTA members, followed by interactions.

PCTA Agenda Item 2: ATR on the minutes of the 36th Meeting of PCTA

4. An Action Taken Report (ATR) on the last minutes of the PCTA meeting at Chiang Mai is given at **Annex**.

PCTA Agenda Item 3: Membership of the PCTA and Workbodies

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: Sub-Committee to investigate the Structure, Scheduling of Meetings and Membership of Working Groups (SC-SSMWG)

6. A Sub-Committee to investigate the Structure, Scheduling of Meetings and Membership of Working Groups (SC-SSMWG) has been set up under the chairmanship of VP Dr. Ding Kunlun, Co-Theme Leader, ST-Schemes with other Co-Theme Leaders with Secretary General as Member-Secretary. The Sub-Committee held a virtual meeting on 24 May 2017 and made recommendations which will be presented at PCTA meeting for its consideration and recommendations. The interim recommendations of the Sub-Committee have been made

available to the Sub-Committee that has been set up to look into possible changes/amendments to ICID Constitution and By-laws

7. VP Dr. Ding Kunlun, Chair, SC-SSMWG will present the report of the Sub-Committee at the PCTA meeting for its consideration and appropriate recommendations to the Council.

PCTA Agenda Item 5: Road Map to ICID Vision 2030: Role of Working Groups

8. The Consultative Group (CG) to develop 'Draft ICID Vision 2030 Document' was entrusted with the task of developing a Draft Action Plan 2030 based on the Vision, Mission and six Organizational Goals approved at the 66th IEC meeting in Montpellier in 2015. Accordingly, the Convener of the CG presented the Draft Action Plan at the 67th Council meetings in Chiang Mai in 2016. Various WGs and RWGs identified various activities in Chiang Mai. However, the Council while considering the CG report, endorsed the need to provide more time to WGs and NCs who could not provide their inputs on time and desired that the Action Plan be finalized and presented at the 68th IEC meeting in Mexico City in 2017.

9. The Action Plan, which also includes inputs from WGs and NCs who were able to provide their inputs within the time line endorsed by IEC at Chiang Mai, has now been finalized by CG and compiled into "A Road Map to ICID Vision 2030" which can be accessed or downloaded from <http://www.icid.org/icid_vision2030.pdf>. The Road Map includes the new vision, mission, organizational goals, and strategies to put Vision into Action. It also includes an Action Plan for 2017-21 where the activities identified by the various WGs, RWGs, NCs and Central Office to implement these strategies. The Road Map will be released by the President at the plenary session of 68th IEC. The Road Map would be presented at the PCTA meeting for its consideration and deliberations upon the envisaged role of WGs on identified activities under the Action Plan 2017-21, which is dynamic in nature.

PCTA Agenda Item 6: International Research Program for Irrigation and Drainage (IRPID) Scheme

10. The revised IRPID Scheme (http://www.icid.org/irpid_scheme.pdf) adopted at the 67th IEC meeting vide Resolution IEC-3/67, have been notified amongst NCs requesting them to establish Regional Nodes within the framework of revised IRPID Scheme, in order to promote research in irrigation and drainage to achieve ICID's Vision of 'Water secure world free of poverty and hunger through sustainable rural development'.

11. The Heads of Regional Nodes (RNs) of IRPID in Tehran and Beijing will provide an update on the activities undertaken by the respective RNs since the last meeting of AC-IRPID in Chiang Mai on 05 November 2016.

12. The Committee may explore the ways to establish new RNs in accordance with the revised IRPID Scheme notified on 23 February 2017, within the objectives and scope of activities defined in the IRPID Scheme.

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

13. 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 7.1: Working Group on Water for Bio-Fuel and Food (WG-BIO-FUEL)

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

PCTA Agenda Item 7.2: Working Group on Climate Change and Agricultural Water Management (WG-CLIMATE)

15. Dr. Tsugihiko Watanabe, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 7.3: Working Group on Environment (WG-ENV)

16. Dr. (Ms.) Charlotte de Fraiture, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 7.4: Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD)

17. VPH Franklin E. Dimick, Acting Chair of the WG will present the report of the first meeting of the WG.

PCTA Agenda Item 7.5: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

18. The tenure of the WG has been extended for one more year up to 2017. The 'Scoping Document' for the WG with a new mandate for the period 2016-2021 was endorsed by PCTA at its last meeting in Chiang Mai in 2016. The SD has been circulated amongst NCs on 05 April 2017 to ascertain their interest and assist in PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action. SC-SSMWG set up under Chair, PCTA suggested that 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 established.

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

PCTA Agenda Item 7.6: Synthesis Report by Co-Theme Leaders of ST Basin [VP Dr. Mohamed Abd-El-Moneim Wahba (Egypt) & VP Dr. Charlotte de Fraiture (The Netherlands)]

PCTA Agenda Item 8: Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)

PCTA Agenda Item 8.1: Working Group on Capacity Development, Training and Education (WG-CDTE)

20. VP Prof. Dr. Abdelhafid Debbarh, Chair of the WG will present the report of the first meeting of the WG. The Chair will also present the Knowledge Management Strategy (KMS) for PCTA's consideration and recommendation thereon.

PCTA Agenda Item 8.2: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)

21. The tenure of the WG has been further extended up to 2017. The Scoping Document with a new mandate has been circulated amongst the NCs on 18 May 2017 to ascertain NCs' interests and assist in PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action. SC-SSMWG set up under Chair, PCTA suggested that 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 established.

22. . Dr. Kamran Emami, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 8.3: 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 8.4: Committee on Public Relations and Publications (C-PR&P)

24. VPH Mr. Larry D. Stephens, Chair of the Committee will present the report of the meeting of the Committee.

PCTA Agenda Item 8.5: Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD)

25. The Chair of the TF will present the report of the first meeting of the TF.

PCTA Agenda Item 8.6: Task Force on Value Engineering (TF-VE)

26. As the term of TF-VE came to an end in 2016, PCTA suggested that a scoping document with the revised mandate for a new WG on 'Value Engineering' and the potential collaboration with International Partners be prepared. TF Chair agreed to present the scoping document at PCTA meeting at Mexico City in 2017 after circulation among NCs for seeking their interest and nominations for the membership.

27. Dr. Kamran Emami, Chair of the TF will present the report of the meeting of TF-VE, together with the SD for the establishment of a new WG, to ascertain NC's interest and assist in PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action. SC-SSMWG set up under Chair, PCTA suggested that 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 established.

PCTA Agenda Item 8.7: Task Force to Guide ICID Inputs to World Water Forum 8 (TF-WWF8)

28. PH Dr. Chandra Madramootoo, Chair of the TF will present the report of the meeting of the TF.

PCTA Agenda Item 8.8: Synthesis report of Co-Theme Leaders of ST Knowledge [VP Dr. Abdelhafid Debbarh (Morocco) & VP Waseem Nazir (Pakistan)]

PCTA Agenda Item 9: Review reports of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)

PCTA Agenda Item 9.1: Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)

29. The tenure of the WG has been extended for one more year up to 2017. The Committee requested the WG to come up with a Scoping Document to establish a new WG. Chair of the WG will present the report of the meeting of WG-PQW, with the Scoping Document developed for establishment of a new WG for the consideration of the Committee. SC-SSMWG set up under Chair, PCTA suggested that 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 established.

PCTA Agenda Item 9.2: Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM)

30. Dr. A.K. Randev, Chair of the WG will present the report of the first meeting of the WG.

PCTA Agenda Item 9.3: Working Group on Water and Crops (WG-CROP)

31. VPH Dr. Ragab Ragab, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 9.4: Synthesis report of Co-Theme Leaders of ST On-Farm [VP Bong Hoon Lee (Korea) & VP Madhav Belbase (Nepal)]

PCTA Agenda Item 10: Review of reports of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)

PCTA Agenda Item 10.1: Working Group on Irrigation, Development and Management (WG-IDM)

32. Ms. Mary Jean M. Gabriel, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 10.2: Working Group on Institutional Aspects of Irrigation / Drainage System (WG-IOA)

33. VPH Dr. Hafied A. Gany, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 10.3: Working Group on Modernization & Revitalization of Irrigation Schemes (WG- M&R)

34. VP Ian Makin, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 10.4: Working Group on Sustainable Drainage Management (WG-SDRG)

35. Mr. Bernard Vincent, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 10.5: Working Group on Water Saving in Irrigated Areas (WG-WATS)

36. Mr. Mehrzad Ehsani, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 10.6: Synthesis Report by Co-Theme Leaders on ST Schemes [VP Dr. Ding Kunlun (China), VP Ian William Makin (UK) & VP Irene Bondarik (Russia)]

PCTA Agenda Item 11: Newly Proposed Workbodies

37. 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 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 in PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action.

38. SC-SSMWG, set up under the chairmanship of PCTA, suggested that 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 established.

39. During the Chiang Mai meeting of PCTA, the Committee considered the recommendation of WG-CAFM 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 Integrated Flood Management (WG-IFM). Dr. Kamran Emami, Chair of the Core Group, will present the scoping document at the meeting for Committee's approval.

PCTA Agenda Item 12: Report on the outcome of 23rd ICID Congress

40. MXCID representative will present a report on the outcome of 23rd ICID Congress.

PCTA Agenda Item 13: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

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

PCTA Agenda Item 14: Technical Support Program in ICID

42. In order to provide support to NCs in fulfilling their national mandates, ICID has initiated various activities that could be named or combined under a Technical Support Program (TSP). In order to implement the Technical Support Program, a Technical Support Unit (TSU) was established (Resolution IEC-3/66, Para 7) at ICID Central Office and notified to NCs on 4 January 2016, requesting them to nominate experts, while giving the terms of reference for engaging them as part of TSU program together with application form. Vide resolution IEC-2/67, NCs were again requested to take full advantage of the establishment of the TSU.

43. The first virtual meeting of TSU Core Group under the chairmanship of President Dr. Saeed Nairizi was held on 14 June 2017 to consider mandated issues like (i) Nomination of Experts and Contribution to Capacity Development Fund established at ICID Central Office as part of TSP; (ii) NCs' request for getting support of TSU and (iii) Honorarium for experts from NCs of developing countries.

44. Based on the deliberations at the TSU Core Group meeting, the Chair of WG-CDTE, who is also a member of TSU Core Group, will present the comprehensive Technical Support Program (TSP) **Annex 3 (of WG-CDTE), page 124** which will be subsequently presented at 68th IEC for its consideration and approval.

PCTA Agenda Item 15: Any other business



**ACTION TAKEN REPORT ON THE MINUTES OF THE 36th MEETING OF PCTA
11 November 2016, Chiang Mai, Thailand**

Item	Recommendation	Decision of 67 th IEC	Action Taken
3. Functioning of Workbodies			
	WGs have to follow the procedures as set out for the establishment/extension of the WGs to ensure that the WGs get the required support and inputs from the NCs.	Endorsed the recommendation by acceptance of PCTA report.	This has been updated ICID Handbook of Procedures which has been uploaded on ICID Website and circulated amongst concerned.
4. Revision/Updating of Multilingual Technical Dictionary (MTD) – Establish a Task Force			
	Recommended the establishment of TF-MTD with the proposition that TF in its work should find ways and means to align its work with FAO system and reduce duplication of efforts.	Approved by Resolution IEC-2/67 (Sr. No.3).	Notified amongst NCs.
5. ICID Vision 2030 – Inputs to ICID Action Plan 2030			
	Suggested that WGs and NCs may be provided time for submitting their inputs for the Action Plan by 15 January 2017 so that the Action Plan can be finalized by June 2017.	Endorsed the recommendation by acceptance of PCTA report.	ICID NCs and WGs, who are yet to submit their inputs, have been given an extension up to 15 January 2017 to provide their inputs.
7. Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)			
	Recommended the closure of WG-DROUGHT and WG-CAFM	Accepted vide Resolution IEC-2/67 (Sr. No.4).	Creation of a new WG on 'Managing Water Scarcity under Conflicting Demands' in place of WG-DROUGHT and in case of CAFF, suggested the existing members for acting as a Core Group for the preparation and finalization of a Scoping Document for a new WG for circulation among NCs.
	Recommended the extension of tenure of WG-SDTA up to 2017.	Accepted vide Resolution IEC-2/67 (Sr. No.5).	Notified the same.
	Recommended setting up of a new WG with the revised mandate in place of WG-BIO-ENERGY	Approved by Resolution IEC-2/67 (Sr. No.3).	Notified amongst NCs.
	Recommended that a Small committee be set up with Theme leaders and SG to investigate the structure, scheduling of meetings and membership of WGs	Endorsed the recommendation by acceptance of PCTA report.	Set up a sub-committee and notified the same. The Sub-Committee will present its report at PCTA.
8. Review reports of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)			
	Recommended that NC can nominate more than one member but it must be less than the 20% of the total membership of the WG (for e.g., if there are 20 members on the WG, then the maximum per country shall be 4).	Endorsed the recommendation by acceptance of PCTA report.	Set up a sub-committee and notified the same. The Sub-Committee will present its report at PCTA.
	Recommended the extension of tenure of WG-PQW up to 2017.	Accepted vide Resolution IEC-2/67 (Sr. No.5).	Notified the same.
9. Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)			
	Recommended that one member from the WG-HIST should be included in the TAC of WSH.	Endorsed the recommendation by acceptance of PCTA report.	TAC of WSH is to be re-notified.
	Recommended the extension of tenure of WG-HIST up to 2017.	Accepted vide Resolution IEC-2/67 (Sr. No.5).	Notified the same.
10. Review of reports of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)			
	Recommended that a new Working Group on Irrigation, Development and Management (WG-IDM) be established based on the scoping document presented.	Approved by Resolution IEC-2/67 (Sr. No.3).	Notified amongst NCs.

Item	Recommendation	Decision of 67 th IEC	Action Taken
12. Report on the outcome of WIF2			
	Recommended to establish a dedicated Task Force to provide support to the High Level Advisory Group.	Approved by Resolution IEC-2/67 (Sr. No.8).	A TF on Global Partnership Process has been established and notified the same among its members. The TF will present its report at the Council meeting.
13. Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)			
	Recommended that (i) the revised composition and mandate of SC-E-THEMES its report suggesting a permanent mechanism for formulating themes and topics for various ICID events be accepted; (ii) the 'Short Communication' be renamed as 'Innovative Products and Services'; (iii) the events which are not related to themes of WIF/Congress will be termed as 'Side Event'; (iv) Guidelines for the organization of World Irrigation Forum be prepared as has been developed for ICID Congress; and (v) the theme and sub-themes for Regional Conference during 69th IEC at Saskatoon be approved.	Approved the recommendation at (i) vide Resolution IEC-2/67 (Sr. No.1) and the rest by adopting of the PCTA Report.	SC-E-THEMES has been reconstituted accordingly. The actions have been taken concerning rest of the recommendations.



**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON WATER FOR BIO-FUEL AND FOOD (WG-BIO-FUEL)**

12 October 2017: 13:30:15:00 hours (Session-I)
12 October 2017: 15:30:17:00 hours (Session-II)
Mexico City, Mexico

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Completion of the Mandate: 2022

Mandate (New): 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/tf_bio_energy.html

WG-BIO-FUEL Agenda Item 1: Introducing of the new Working Group

1. At the 67th International Council Meeting (IEC) meeting held at Chiang Mai on 08 November 2016, Chair Dr. Fuqiang Tian (China) presented the report based on the finalized Scoping Document for the new Working Group on Bio-Fuel and Food (WG-BIO-FUEL). The Council accepted the recommendation of the PCTA to establish a new Working Group on Bio-Fuel and Food (WG-BIO-FUEL)¹ under the thematic area "Basin". ICID vide Notification No. 5 of 2017 dated 15 February 2017 notified setting up of the WG-BIO-FUEL with the following new mandate and invited National Committees to nominate suitable experts/professionals for the new WG.

New mandate

To collect, analyze, and disseminate 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.

2. The existing membership of the WG is given at **Annex 1** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

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

3. During Chiang Mai meeting, the Group discussed and agreed the draft Action Plan 2030 of the new WG set up for six-year period, starting from 2016 to 2022. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-BIO-FUEL as presented in CG report is given as **Annex 2**.

¹ IEC Resolution 2/67: Organizational and technical activities of ICID [sr. no. 3 (ii)]

WG-BIO-FUEL Agenda Item 3: Publications of the Working Group

4. During Chiang Mai meeting held in November 2016, the WG decided to update an e-publication of the Technical Report titled ‘Water for Bio-Energy’ based on the new mandate of the WG. In this connection, ICID Central Office circulated the technical report of the Group to all members of the WG and requested them to review and update the report and provide their comments/suggestions, if any. The technical report of the WG has been posted on ICID website http://www.icid.org/report_bioenergy.pdf for information to the members of the Group. WG Chair would provide latest status of updating e-publication.

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

5. During the Chiang Mai meeting, the group discussed the updation of the MTD and nominated Mr. Mojtaba Poumoghadam (Iran) as a nodal person to undertake the task with the support of Mr. Mortaza Yazdkhasti (Iran). Accordingly, the ICID Central Office has requested Mr. Mojtaba Poumoghadam (Iran) to take a lead in the activity of updating Multilingual Technical Dictionary (MTD). Mr. Mojtaba Poumoghadam and WG Chair may like to update members with the latest status in the matter.

6. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-BIO-FUEL Agenda Item 5: Dissemination of Activities of WG

WG-BIO-FUEL Agenda Item 5.1: Website of the Group

7. As decided during the Chiang Mai meeting, the website of the WG http://www.icid.org/tf_bio_energy.html has been updated with the new membership list, agenda, minutes, paper presentations, publications etc. In February 2017, 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 updation of WG website.

WG-BIO-FUEL Agenda Item 5.2: Webinar / Web-based Seminar

8. At Chiang Mai meeting, the group supported the suggestion of organizing webinars to promote sharing of vast expertise available with ICID fraternity. The Central Office requested members to provide their suggestions on the 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. The group may discuss and suggest suitable topics along with names of expert for organizing webinars.

WG-BIO-FUEL Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Existing members for the new Working Group on Bio-Fuel and Food (WG-BIO-FUEL)

Sl. No.	Members	Country	Remarks
1.	Dr. Fuqiang Tian, Chairman	China	
2.	Mr. Laurie C. Tollefson,	Canada	
3.	Mr. Sanjay Belsare	India	
4.	Mr. Uttam Raj Timilsina	Nepal	
5.	Mr. Mortaza Yazdkhasti	Iran	
6.	Mr. André Roux	South Africa	
7.	Dr. Shlih Hamad Hamid Omer	Sudan	2016
8.	Mr. Rajiv Kumar	India	Provisional Member (2016)
9.	Mrs. Ruaa Khalid Haman	Iraq	Provisional Member (2016)
10.	Mr. Bassam Hayek	Jordan	Observer (2015)



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)



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

11 October 2017, 13.30-15.00 hours (Session I)
11 October 2017, 15.30-17.00 hours (Session II)
Mexico City, Mexico

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 Chair

1. The WG is encouraged to make full use of WebEx platform for virtual meetings in between face to face meeting during IEC, which enables monitoring of the actions taken on the decision of the WG and ensuring regular contribution of the members. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Chiang Mai in November 2016.
2. Egyptian National Committee (ENCID) has nominated Eng. Nermeen Essam El-Tahan – as Young Professional for the membership of the group. The member from Spain has not contributed to the activities of the WG during last two years so he is recommended to be discontinued and new members would be invited from the Spain 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.

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

3. In August 2016, the Chair prepared the draft action plan of the group in consultation with the Vice Chair and Secretary and circulated it to all members with a request to provide their feedback/ comments, and during the WebEx meeting in October 2016, participants discussed and some revisions were done. During the Chiang Mai meeting, after intensive discussions, the WG members agreed with the proposed action plan. Some new ideas and activities to be involved in the future were also confirmed, which includes:
 - (a) to build more collaborations with other working groups such as WG-ENV and WG-DROUGHT,
 - (b) to incorporate water-food-energy nexus idea into current Action Plan 2030 of the WG, and
 - (c) to consider the available resources including human and financial sources when the action plan is finalized.
4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-CLIMATE as presented in CG report is given as **Annex 2**. According to the planned activities of the ICID Action Plan 2030, Chair Dr. Watanabe proposed to study four cases for the year 2017 including two cases for the Goal 2.1 "Organize introduction of the cases to be applied to other regions" (*under Goal 2*) and the other two are for the Goal 4.1 "Develop Integrated Assessment of Climate Change Impacts" (*under Goal 4*) which would form the base for preparing a Position Paper on "Smart Water Management for Mitigating Climate Change" (*Goal 1.2*). WG Chair has proposed to discuss the general policy and the table of contents of the "Guideline for Water Management Practices under Changing Climate" (*Goal 1.1*) during the meeting of the WG in Mexico. The Chair and the members would provide and deliberate on the latest status of the activities of the action plan.

WG-CLIMATE Agenda Item 3: Dissemination of activities of WG – Website of the group

5. As decided during the Chiang Mai meeting, the website of the working group <http://wg-climate.icidonline.org/> has been updated with the new membership list, CVs, agenda, minutes, workshop, presentations etc. Members are requested to provide interesting articles/ papers/ presentations/ documents/ links related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

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

6. At the Montpellier meeting, the WG set up a task team to prepare the chapter on climate change in the MTD and the group nominated Dr. Waleed Hassan M. Abou El Hassan as the head of the team. At the Chiang Mai meeting, the Chair introduced the progress of drafting of MTD on behalf of the team leader Dr. Waleed Hassan, and overviewed the latest version of 6 November 2016, which includes 127 terms of 7 parts.

7. Dr. Waleed Hassan Abou El Hassan (Egypt) circulated the assignment/ work plan and time frame for completion of the task to all members and requested them to edit/ update the terms of MTD related to the scope of the group. The proposed time frame, steps and target dates for updating the MTD were:

- Step 1: Notification of the draft Work Plan: April 15, 2017.
- Step 2: Feedback from the WG members on the plan: April 21, 2017.
- Step 3: Proposal for the modified Work Plan including the comments: April 28, 2017
- Step 4: Assignments of the categories to the members for editing: May 5, 2017
- Step 5: Submission of draft for edited terminologies: May 25, 2017
- Step 6: Completion of the final draft of the MTD-climate: June 2017

8. The team leader Dr. Hassan prepared the draft work plan and got consent of all members on May 26, 2017. According to the work plan, the members were assigned some categories for drafting their terms, and were requested to submit the edited terminologies with the standard form and length in the assigned categories by June 2017. The team leader Dr. Hassan will provide further progress at the meeting.

WG-CLIMATE Agenda Item 5: Internal Workshop on “Agricultural water management under the changing climate”, October 2017, Mexico

9. After the successful organization of the Chiang Mai workshop, the group is organizing an internal workshop on the theme “Agricultural water management under the changing climate” in October 2017 at Mexico City. The main objective of the workshop is to discuss the cases on climate change issues.

10. In line with the activities of the Action Plan 2030 (refer **Annex 2**), WG Chair invited four presentations/case studies for the internal workshop on the theme Agriculture Water Management under the Changing Climate focusing on (a) water management practices under climate change, (b) change in policies and practices under changing climate, and (c) development of integrated assessment of climate change impacts. Members have been invited to present the case study of their country or project during the workshop besides a presentation from Mexico, the host NC for 68th IEC. Members are encouraged to make presentations at the Workshop.

WG-CLIMATE Agenda Item 6: Webinar/ Web based seminar

11. At Chiang Mai, the WG discussed and supported the idea of organizing webinars to promote sharing of vast expertise available with ICID fraternity with members of the NCs and proposed the following topics:

- (a) Link climate change prediction with hydrological model to address fluxes in a watershed,
- (b) Climate resilience in the context of irrigation services,
- (c) Application of the geospatial satellite data and hydrological models for regional predictions and adaptation for the climate change impacts,
- (d) Methods to assess the vulnerabilities of agricultural systems in different scales (regional vs. local), and
- (e) Challenges and opportunities of big data in adaptation

12. Central Office requested all members to discuss the above topics and provide their feedback along with the exact topic of the webinar together with name of the relevant experts who could be contacted to develop webinars. The group will discuss and finalise the topics along with name of suitable expert to deliver the webinar at the meeting.

WG-CLIMATE Agenda Item 7: Any other business

NOTES FOR CHAIRPERSON:

- 1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
- 2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

A. Members and their attendance at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		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	# ¹		•	•	
3.	Dr. Tian Fuqiang, Secretary, (China)	2015	•		•	•	
4.	Dr. Juan A. Rodriguez-Diaz (Spain)	2015					No contribution during last two years, proposed to be discontinued
5.	Prof. Dr. Choi, Jin-Yong (Korea)	2015	•		•		
6.	Dr. Nozar Ghahreman (Iran)	2015	•		•	•	
7.	Dr. Waleed Hassan M. Abou El Hassan (Egypt)	2015	•			•	
8.	Mr. Michael Davidson (USA)	2015	•		•	•	
9.	Dr. Guy Jobbins (UK)	2015	•			•	
10.	Mr. Mika Turunen (Finland)	2015	•		•	•	
11.	Eng. (Ms.) Talatha Janaki Meegstenna (Sri Lanka)	2016					Provisional member
12.	Mr. Javeed Iqbal Bokhary (Pakistan)	2016					Provisional member
13.	Mr. Sanjay Kumar Singh (India)	2016					Provisional member
14.	Dr. (Ms.) Fransisca Mulyantari (Indonesia)	2016				•	
15.	Mr. Atin Kumar Tyagi – Direct Member, JISL (India)	2016					Provisional member
16.	Mr. Hatem Hameed Hussein (Iraq)	2016					Provisional member
17.	Mr. Jafer Kathom Alwan Alamiryi - Young Professional (Iraq)	2016				•	
18.	Secretary General, ICID						
Observers/ Permanent Observers							
(i)	WMO representative						
(ii)	IWMI Representative						
(iii)	FAO Representative						

B. New nomination received from the National Committee

Sl. No.	Name	Country	Remarks
(1)	Eng. Nermeen Essam El-Tahan – Young Professional	Egypt	Recommended subject to presence or else Provisional Member

¹ # Through representation

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 2ND MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

11 October 2017, 13.30-15.00 hours (Session I)

11 October 2017, 15.30-17.00 hours (Session II)

Mexico City, Mexico

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 Chair

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 Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. The members from China, India, Iran, Iraq and Chinese Taipei have not contributed to the activities of the WG. As such they are recommended to be discontinued (ICID By-laws 3.5) and new members would be invited from the National Committees/ Committee. The existing 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.
3. Since both the Vice Chair and Secretary have expressed themselves to retire as Vice Chair and Secretary, respectively, members are invited to be the new Vice-Chair and Secretary of the WG at Mexico meeting.

WG-ENV Agenda Item 2: Road Map to ICID Vision 2030 - Future activities of the group (2016-2019)

4. Members were requested to provide their inputs to finalise the Action Plan 2030 with relevant innovative ideas, both in line with WG-ENV mandate and ICID goals. Chair was requested to circulate the Action Plan 2030 to all members requesting to comment and to populate the same using some new ideas.
5. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-ENV as presented in CG report is given as **Annex 2**. The group may like to discuss the action plan and update it at the meeting.

WG-ENV Agenda Item 3: Report of online WebEx meeting of the group, 01 June 2017

6. With the initiative of Chair VP Dr. Charlotte de Fraiture, the group organized its First Virtual/ WebEx meeting on 01 June 2017 wherein four members participated and reviewed the actions taken on the decisions of the WG. The Chair VP Charlotte briefly summarized the various activities of the group since the Chiang Mai meeting in November 2016. The members discussed the Action Plan 2030 in general, joint workshop with WG-CLIMATE, identification of person for MTD, sharing of documents, finalization of LCA document, and called for new Vice Chair and Secretary.
7. During the WebEx meeting, the Chair proposed to prepare a position paper on environment (Goal # 2 of Acton Plan 2030) and perhaps organize a short training for young professionals (YP) on 'Ecosystem services and the multi-functionality of irrigation and drainage systems'. During the virtual meeting, Prof. Hacho agreed with the proposal whereas Ms. Seija Virtanen (Finland) informed that this subject is not applicable in Finland. Chairperson

further informed that the YP training workshop (Goal # 6) could be on ‘Artificial wetland development’ and/or ‘Use of municipal wastewater’. Chair may provide further updates at the meeting.

WG-ENV Agenda Item 4: Publications of the working group – LCA

8. The final document titled “*Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis*” was to be finalized by Dr. Sylvain Perret who unfortunately could not participate in the First virtual meeting. In response to ICID Central Office’s request, Dr. Sylvain Perret informed that he will be completing the document on LCA possibly by end of August 2017. The Chair will provide further updates of the LCA at the meeting.

WG-ENV Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. During the first virtual online meeting, Prof. Hatcho volunteered to take up the task of reviewing / updating the environment related terms in Multilingual Technical Dictionary (MTD). In July 2017, the ICID Central Office informed Prof. Hatcho that all the terms related to MTD were placed in the ICID DropBox folder (ICID-IEC\MTD terms priority wise_For Updation) as per the priority and also provided him the links to access the DropBox folder. Prof. Hatcho will provide further updates on MTD at the meeting.

10. As per Resolution IEC-2/67 of the 67th IEC Meeting held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide Notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-ENV Agenda Item 6: Joint workshop with WG-CLIMATE at Mexico, October 2017

11. During first virtual meeting of WG-ENV, the group discussed the possibility of organizing a joint workshop with WG-CLIMATE on “*Role of Irrigation and Climate Mitigation / Adaptation*” during the Mexico Congress in October 2017. However, it was observed that the WG-CLIMATE has already moved ahead in organizing an internal workshop on “*Agricultural water management under the changing climate*” in Mexico City on its own. The WG may take an early initiative in future and explore opportunities do so in 2018. The Chair may apprise the WG.

WG-ENV Agenda Item 7: Dissemination - Sharing documents on website/ Webinar

12. The idea of setting up a ‘Dropbox’ for sharing the documents / reports is a good idea and for this purpose Chairperson requested ICID Central Office to set up such with the Dropbox. ICID Central Office informed the creation of DropBox to all members and invited them to be more active in sharing and posting the documents/reports of common interest through above DropBox.

13. As decided during the Chiang Mai meeting (2016), the website of the working group <http://wg-env.icidonline.org/> has been updated with the new membership list, CVs, agenda, minutes, articles, reports, documents, presentations etc. Members are requested to provide interesting articles/ papers/ presentations/ documents/ links related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

14. During the first virtual online meeting, members wanted to explore the possibility of delivering a webinar on topics such as ‘Social impacts of Irrigation and Drainage Systems’ where not much information is available. Ms. Seija proposed a topic such as ‘Use of solar energy for remote rural areas’ as an activity under Goal # 4 of the action plan. It was proposed to identify an expert to deliver a webinar on such topics. 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 Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Annex 1 [Appendix XIII, Item1]

Membership of the group at 2015 and 2016 meetings

Sl. No.	Members	Member from	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. dr. (Ms.) Charlotte de Fraiture, Chair (2016) (Netherlands)	2015	•		•	•	Attended the first WebEx meeting
2.	Prof. N. Hatcho, Vice Chair (Japan)	2015	•		•	•	Attended the first WebEx meeting. Step down from the membership.
3.	Dr. Sylvain Perret, Secretary (France)	2015	•		•	•	Step down from the membership
4.	Prof. Yih-Chi Tan (Chinese Taipei)	2015					No contribution during last two years, proposed to be discontinued
5.	Mr. Mohammad Kazem Siah (Iran)	2015					No contribution during last two years, proposed to be discontinued
6.	Dr. Choi, Joong-Dae (Korea, Rep. of)	2015	•		•		
7.	Mr. V.C. Ballard (Australia)	2015	•			•	
8.	Dr. Aynur Fayrap (Turkey)	2015	•			•	Attended the first WebEx meeting
9.	Ir. Mohd Azmi Ismail (Malaysia)	2015	•		•		
10.	Dr. Muhammad Basharat Chaudhry (Pakistan)	2015				•	
11.	Dr. Fuqiang Tian (China)	2015	•		•	•	
12.	Ms. Seija Virtanen (Finland)	2015	•			•	Attended the first WebEx meeting
13.	Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh)	2015		•		•	
14.	Dr. Yury Anatolyevich Mozhaikii (Russia)	2016			•	•	
15.	Dr. (Ms.) Bai Jing - Young Professional (China)	2016					No contribution during last two years, proposed to be discontinued
16.	Mr. H.K. Meena (India)	2016					No contribution during last two years, proposed to be discontinued
17.	Eng. (Ms.) P.M. Jayadeera (Sri Lanka)	2016				•	
18.	Mr. Ahmed Kamil Hassani - Young Professional (Iraq)	2016					No contribution during last two years, proposed to be discontinued
19.	Mr. Usamah Hashim Witwit (Iraq)	2016				•	
20.	Secretary General, ICID						



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							
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)



**INFORMAL MEETING OF
NEWLY PROPOSED WORKING GROUP ON INTEGRATED FLOOD MANAGEMENT (WG-IFM)**

12 October 2017, 09.00-10.30 hours (Session-I)
12 October 2017, 11.00-12.30 hours (Session-II)
Mexico City, Mexico

Strategy Theme: Basin

Presented by the Chairman

WG-IFM Agenda Item 1: Introduction of the Scoping Document

1. As per Resolution IEC-2/67 of the 67th International Executive Council (IEC) meeting held in Chiang Mai, Thailand in November 2016, the Council approved the closure of the Working Group on Comprehensive Approaches to Flood Management (WG-CAFM). On the recommendation of the WG-CAFM, the PCTA accepted in principle the formation of a new Working Group on 'Adaptive Flood Management' (WG-AFM) with the suggestion to develop the scoping document with new mandate for circulation among the NCs and other partner organizations engaged in flood management activities.

2. Accordingly WG Chair developed a scoping document for a new WG with revised mandate and circulated it in July 2017 to the members of the WG for their comments. Few members of the WG provided their comment on the draft scoping document. ICID CO suggested that working group be named as Working Group on Integrated Flood Management (WG-IFM) to cover broader aspects of flood management and not to restrict the scope of WG to only adaptive flood management and provided observations on the draft scoping document. WG Chair Dr. Emami will present the revised scoping document for a new Working Group on Integrated Flood Management (WG-IFM) during the informal meeting of the WG at Mexico. The mandate of the new working group as included in draft scoping document is as follows:

New mandate of the WG:

- (a) To provide guidance to compile, publish, update and/or translate documents on integrated flood management;
- (b) 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;
- (c) To motivate ICID National Committees in various countries to set up their National Working Groups on IFM and guide these groups,
- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to and coping with floods including community participation with focus on impact of floods on agriculture water management.
- (e) To prepare a paper on "Integrated Flood Management" for publication in *Irrigation and Drainage (IRD)*;
- (f) To finalize a book on "Integrated (adaptive) Flood Management".

3. The Group noted that after finalization of the Scoping Document, it would be circulated among the NCs to ascertain if they were interested in joining the WG.

WG-IFM Agenda Item 2: Road Map to ICID Vision 2030 - Activities on Integrated Flood Management Issues

4. During Chiang Mai meeting, the WG discussed the draft Action Plan 2030 of the WG-CAFM but decided to review the action plan during the meeting of new WG as the tenure of the existing group WG was upto 2016. Based on the fresh inputs received upto March 2017 from workbodies and NCs, the Consultative Group (CG) on Action Plan 2030 finalized "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030." Action Plan for WG-IFM (erstwhile WG-CAFM) as presented in CG report is given as **Annex**. WG will deliberate on the action plan and the revise its mandate in line with these activities.

WG-IFM Agenda Item 3: Closure Report and the Publication of the Working Group on 'Adaptive Flood Risk Management'

5. In February 2017, WG Chair was requested to prepare closure report of the WG-CAFM giving brief description of how its intended objectives and mandate have been achieved, including details of activities undertaken, conclusion & recommendations and way forward. In response, WG Chair sent the closure report of

the WG to the ICID Central Office which has been circulated to the members of the group for their comments/suggestions, if any. WG Chair will present and discuss closure report during the informal meeting of the WG. Finalised closure report would be shared with ICID CO for its records and uploading on WG website

6. During the Chiang Mai meeting, the WG decided to bring out a publication of the group titled “Adaptive Flood Risk Management” with country case studies covering both structural and non-structural aspects of floods management. In order to enrich the publication WG Chair requested all members of the WG to contribute brief (two-page) write-up from their countries for inclusion in the publication of the WG. It was further agreed that the final draft document will be shared with the ICID Central Office for circulation amongst the members of the WG for their comments/suggestions, if any. WG Chair will provide latest status during the working group meeting. Mr. Maurice Roos (USA), member of the WG, submitted his paper titled “Forecast Based Reservoir Flood Operation for Flood Management in California” for inclusion in the publication of the WG.

WG-IFM Agenda Item 4: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

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

	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 1ST MEETING OF THE
WORKING GROUP ON MANAGING WATER SCARCITY UNDER
CONFLICT DEMANDS (WG-MWSCD)**

12 October 2017, 13.30-15.00 hours (Session-I)
12 October 2017, 15.30-17.00 hours (Session-II)
Mexico City, Mexico

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: Introduction of the new Working Group

1. Working Group on Water Management in Water Stressed Regions (WG-DROUGHT) concluded its activities in 2016, so Chair Mr. Franklin E. Dimick (USA) presented the report based on the finalized Scoping Document for the new Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD) during the Chiang Mai (2016) meeting. PCTA in its meeting accepted in principle setting up of new WG-MWSCD with revised mandate under the thematic area "Basin". ICID Central Office circulated the Scoping Document for a new WG to NCs and invited their nominations, including comments/suggestions, if any. The revised mandate of the WG is as follows:

- (a) Collect information, knowledge and, where available, case histories on actions taken to manage water systems to accommodate a change in priority of due to conflicting demands.
- (b) Information will be collected on three levels of water management; 1) National, 2) area or basin, and 3) local;
- (c) review and analyze information to determine any commonality;
- (d) prepare and present reports and/or case studies on recent development in the countries that are represented in the WG;
- (e) organize international workshop on the topic; and
- (f) prepare an overview paper on the topic for publication.

2. The Korean National Committee on Irrigation and Drainage (KCID) has nominated Dr. Jaepil, Cho (Korea) 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.

WG-MWSCD Agenda Item 2: Road Map to ICID Vision 2030: Activities of the WG

3. During Chiang Mai meeting, the WG deferred the discussion on the draft Action Plan 2030 as the existing tenure of the group was upto 2016. However, the WG agreed to prepare the Draft Action Plan 2030 of the new WG proposed to be set up for six-year period, starting from 2016 to 2022.

4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision". Action Plan for WG-MWSCD as presented in CG report is given as **Annex 2**. WG will deliberate on the action plan and update/finalise its activities, milestones and outcome based on the revised mandate of the WG.

WG-MWSCD Agenda Item 3: Publication - Technical Report of the WG-DROUGHT

5. At the WG meeting held in November 2016, it was agreed that the draft technical reports would be finalised based on reports already received from theme leaders for theme 1 and 3 and report to be provided by Prof. Jan Ming-Young of Chinese Taipei based on the data gathered by theme 2 leader Mr. Mohammad Sadegh Jafari (Iran) for theme 2. ICID Central Office followed up the matter with the WG Chair and the respective members. WG Chair will apprise members on the latest status of finalisation of the technical report of the erstwhile WG.

6. The WG-IADWS publication titled 'Irrigation under Drought and Water Scarcity is in its final stage of finalisation. The final draft report document of this publication would be submitted to the members prior to the WG meeting. Members may review the document and provide their suggestions, if any, before it is published for wider dissemination.

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

7. During the Chiang Meeting held in November 2016, the WG agreed to discuss and nominate a nodal person for updating MTD in the next meeting of the new working group in October 2017.

8. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-MWSCD Agenda Item 5: Exchange of Information, Knowledge & Networking

WG-MWSCD Agenda Item 5.1: Website of the WG

9. The website of the WG http://www.icid.org/wg_drought.html has been updated with the membership list, agenda, minutes, paper presentations, publications etc. The members of the WG 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 updation of WG website.

WG-MWSCD Agenda Item 5.2: Webinar / Web-based Seminar

10. During the Chiang Mai meeting, the WG supported the suggestion of organizing webinars to promote sharing of vast expertise available with ICID fraternity. The Central Office requested members to provide their suggestions on the 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. The group may discuss and suggest suitable topics along with names of expert for organizing webinars.

WG-MWSCD Agenda Item 5.3: Seminar/events related to Drought/Water Scarcity

11. Members are informed that ICID representative participated in the following events related to drought/water scarcity:

- (a) An International Seminar¹ on Drought and Agriculture was organised as part of celebrations on the World Day to Combat Desertification and Drought by the Government of the Islamic Republic of Iran, the Kingdom of Netherlands and the Food and Agriculture Organizations of the UN (FAO) on 19th June 2017 at FAO Headquarters in Rome, Italy. Dr Arcieri Marco (Italy) represented ICID in the seminar.
- (b) The FAO organised Partners Meetings on "Coping with Water Scarcity in Agriculture: A Global Framework for Action in a Changing Climate"² from 19-20 April 2017 at Rome, Italy. The objective of the meeting was to bring the key stakeholders together to define the 'mechanics' behind the Global Framework; invite suggestions for implementation of Global Framework for Water Scarcity (GFWS) in terms of development of vision and mission, objectives and priorities; governance structure; membership and sectoral coverage; roadmap, milestones, portfolio and resource mobilization; and issue of the Rome Statement on Water Scarcity in Agriculture. Executive Director, ICID and Dr. Arcieri Marco (Italy) participated in the meeting. ICID is one of the member of the interim steering committee set up for the framework.
- (c) ICID co-organized a two-day Regional Workshop³ on 'South Asia Drought Monitoring System (SADMS) held from 30-31 January 2017 in New Delhi together with IWMI, GWP, WMO, Indian Agriculture research Institute (IARI), India Water Partnership (IWP) and Ministry of Agriculture, Govt. of India. The aim of the workshop was to test and understand the SADM platform developed by IWMI under the Integrated Drought Monitoring Program of WMO and to chalk out a plan to implement it in an operational mode in the countries in SA region. Vice President Ian Makin presented the Keynote Address on "Increasing Resilience of Agriculture Systems". While Er. Avinash C. Tyagi, Secretary General, ICID laid the emphasis of the Drought Early Warning System in building resilience of the farmers against temporary shortage of water for agriculture in his opening remarks during the workshop.

12. The Members of the WG may like to refer to the details of the events and discuss during the meeting how the outcome of these event are relevant and considered in the activities of the WG.

WG-MWSCD Agenda Item 6: Any other business

¹ For more information, please see ICID News Update of July 2017 available at http://www.icid.org/nup2017_7.pdf

² For more information, please visit <http://www.fao.org/land-water/overview/global-framework/en/> and also see ICID News Update of May 2017 available at http://www.icid.org/nup2017_5.pdf and

³ For more information, please see ICID News Update of January 2017 available at http://www.icid.org/nup2017_1.pdf

A. Existing members for the new Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD)

Sl. No.	Members	Country	Remarks
1.	VPH Franklin E. Dimick, Chairman	USA	
2.	Mr. Mohammad Sadegh Jafari, Vice-Chairman	Iran	
3.	Mr. V.C. Ballard, Secretary	Australia	
4.	VPH Ragab Ragab	UK	
5.	Dr. Graziano Ghinassi	Italy	
6.	Prof. Chang-Chi Cheng	Chinese Taipei	
7.	Dr. Takanori Nagano	Japan	
8.	Dr. Hakan Aksu	Turkey	
9.	Mr. Sudhakar (Direct Member), JISL	India	
10.	Ms. Jianxin Ju	China	Provisional Member (2016)

B. New Nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1.	Dr. Jaepil, Cho	Korea	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							
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 limited water under drought and role of agricultural drainage under drought	Report					

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



**AGENDA FOR THE 7TH TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

12 October 2017: 09:00-10:30 hours (Session-I)

12 October 2017: 11:00-12:30 hours (Session-II)

Mexico City, Mexico

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2011

Extended the completion of the Mandate: 2017

Mandate: Identify sustainable management options of lowland, watershed, as well as sustainable development and management of water and land resources in tidal areas; (ii) To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas; (iii) 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; (iv) To review the progression of natural wetland conservation and constructed wetland development in tidal areas; (v) To join the international dialogue and organize international conferences to promote land and water management in tidal areas as well as evaluate the feasibility of tidal energy exploitation under global climate change; and (vi) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

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

WG-SDTA Agenda Item 1: Action Taken Report by Chair

1. The Chair will present report on the actions taken on the decisions and proposals made at its 6th meeting held at Chiang Mai in November 2016.
2. The Provisional Members from Sri Lanka (Eng. L.S. Sooriyabandara); Iraq (Eng. Ibrahim Abbas, Young Professional & Eng. Ghanim Hameed Hassan Alhashimi) have not contributed to the activities of the WG. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. The existing 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.

WG-SDTA Agenda Item 2: Road Map to ICID Vision 2030 - Activities on Sustainable Development of Tidal Areas

3. During Chiang Mai meeting (2016), the Chair discussed and finalized the draft Action Plan 2030 of the WG and identified that two goals – **Goal 3:** Facilitate exchange of information, knowledge and technology (workshop proceedings & Special Issue of Irrigation and Drainage); and **Goal 6:** Facility capacity development (short course/training & e-discussion on Sustainable Development of Tidal Areas etc.) were very relevant to the activities of WG-SDTA.
4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report “A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030”. Action Plan for WG-SDTA, as presented in CG report, is given at **Annex 2**.
5. The Group will discuss the activities of the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve outcome as indicated in the Action Plan.

WG-SDTA Agenda Item 3: Publications of the Working Group: A Special Issue of ICID Journal on SDTA in 2017

6. The issue of publishing a Special Issue of ICID Journal titled “Sustainable Development of Tidal Areas: Climate Change and Environmental Impacts” in 2017 was discussed during Chiang Mai meeting (2016). The ‘Review Committee’ established for the purpose has been reviewing the papers for publication. The Chair Prof. Ruey-Chy Kao (Chinese Taipei) and Prof. Hsiao-Wen Wang (Chinese Taipei) will present the editorial for the

special issue at the meeting. The Chair may apprise the members on the current status of publishing the Special Issue.

WG-SDTA Agenda Item 4: Dissemination of activities of WG

WG-SDTA Agenda Item 4.1: Website of the Group

7. The website of the WG <http://wg-sdta.icidonline.org> has been updated with the new membership, agenda, minutes, presentations, and publications. The members of the Group are requested to provide interesting articles/ papers/ presentations/ documents related to the mandate of the group for uploading on the ICID website. Members may like to discuss and evolve a methodology for sharing of information and updation of WG website.

WG-SDTA Agenda Item 4.2: Web-based seminars/ e- discussions

8. The Web-based seminars/ e- discussions have been initiated in ICID in a big way. So far, 6 webinars and 5 e-discussions on various topics of interest have been organized in 2017. Making use of the platform, the WG may discuss and propose the relevant topics of sustainable development of tidal areas, based on the mandate of the WG and vast expertise available within the WG, for the webinars/e-discussion along with identifying the relevant professionals/experts for the task i.e. develop a 'Concept Note' and actually conduct the webinars/e-discussion.

WG-SDTA Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. During the Chiang Mai meeting (2016), the group discussed the updation of the MTD and nominated Prof. Hajime Tanji (Japan), Secretary of the WG, as a nodal person to undertake the task. However, the task of updating WG related the terms in the MTD was paused due to illness of Prof. Tanji. The Chair may like to apprise the members in the matter.

10. Further, as per Resolution IEC-2/67 (67th IEC at Chiang Mai on 12 November 2016), the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chairs or representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives from FAO, IWMI, ADB as its members. ICID has since notified the establishment of TF-MTD vide notification 14 of 2017 dated 10 July 2017. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. The WG may depute Mr. Tanji or a representative of the WG may give feedback to Dr. Ding Kunlun, Chair of TF-MTD prior to PCTA meeting.

WG-SDTA Agenda Item 6: Scoping Document (mandate) for a new WG

11. During the Chiang Mai meeting (2016), WG Chair presented the 'Scoping Document' (SD) with a new mandate for the period 2016-2022. In April 2017, the updated Scoping Document for the establishment of the new WG was circulated to all National Committees inviting their comments/ suggestions together with new nominations for the group. However, there is no response from the NCs. The updated Scoping Document is given as **Annex 3**.

12. Members may deliberate and finalize the SD and new Mandate of the WG at the meeting. After discussion, Chair will provide the final mandate of the group to PCTA/ IEC for recommendation and approval by the Council.

WG-SDTA Agenda Item 7: Any other business

Cooperation between Institutions from Taiwan and Korea

13. During the Chiang Meeting (2016), the Group noted that a Memorandum of Understanding (MoU) was signed between the two organisations i.e. the Rural Research Institute (RPI) of Korea Rural Community Corporation (KRC), Republic of Korea and Tainan Hydraulic Laboratory (THL), National Cheng Kung University (NCKU) and Water Resources Agency (WRA, MOEA), Chinese Taipei for future cooperation on issues of mutual interest in the area of SDTA. The Chair may apprise the members on new development under MoU.



NOTES FOR CHAIRPERSON:

Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016

Sl. No.	Members	Member From	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Ruey-Chy Kao Chairman (2011) (Chinese Taipei)	2007	•		•		
2.	Ir. Henk P. Ritzema, Vice-Chairman (2009) (The Netherlands)	2002	•				
3.	Dr. Hajime Tanji, Secretary (Japan)	2013	•		•		
4.	Dr. (Ms) Hsiao-Weng Wang, (Chinese Taipei) as Young Professional	2010	•			# ¹	
5.	Prof. Budi Santoso Wignyosukarto (Indonesia)	2011	•			#	
6.	Dr. Jeongryeol Jang (Korea)	2014	•		•		
7.	Prof. Zhang Zhanyu (China)	2012				#	
8.	Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia)	2012			•		
9.	Mr. Anuj Kanwal (India)	2016			•		
10.	Eng. L.S. Sooriyabandara (Sri Lanka)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
11.	Eng. Ibrahim Abbas (Young Professional) [Iraq]	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
12.	Eng. Ghanim Hameed Hassan Alhashimi (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
13.	Secretary General, ICID		#			#	
Permanent Observers / Observers							
1.	Dr. Jo Jin Hoon (Korea)						
2.	Dr. Daeou Eo (Korea)				•		
3.	Mr. Robiyanto Hendro Sustano (Indonesia)				•		
4.	Mr. Harry Denecke (FAO)						



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							
Goal F: Facilitate capacity development								
Strategy F3: Technical Training of Young Professionals from Member Countries	3.7 Short Course/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

	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
	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)



SCOPING DOCUMENT AND MANDATE (DRAFT)

1. Based on the previous mandate and action plan of 2011-2016, the WG achieved the following:
 - (a) There was one handbook published.
 - (b) There were 6 workshops held including 2 International ones and 4 internal ones. Twelve papers from these workshops were selected to be listed in the Special Issue of ICID Journal.
 - (c) The CTCID, JNC-ICID and KCID have sponsored 3 WG publications. Further, the CNCID has sponsored 1 publication.
 - (d) The International Short Course on “Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas” started from late 2015. The WG invited 5 lecturers and 2 keynote speakers from the Netherlands, USA, Japan, Korea and Chinese Taipei to share their experiences with the 20 participants from 14 countries covering Asia, Africa and North America at National Cheng Kung University (NCKU), Tainan, Chinese Taipei, from August 1-6, 2016. The participants have given positive feedback for the short course.
2. During 2011-2016, WG-SDTA held a series of activities and roughly learned the situations about the tidal areas of the coastal countries. They are facing the paradox of the competition and cooperation as well as how to balance between development and conservation. In addition to the updated professional techniques and the public monitoring of data the stakeholders’ involvement should strengthen the communications of knowledge and concepts. Furthermore, they are able to include both development and conservation by experience and technique consultant from other countries.
3. The tidal level variations directly influence the drainage systems of the coastal countries. In order to reduce the loss of property and lives, the constructing intelligent flood control system would be a solution by integrating the rainfall information in upstream catchments, the waterway monitoring systems of middle/downstream and the potential flood simulation and tidal level prediction model of downstream.
4. To better understand and deal with problems such as land-subsidence caused by over pumping of groundwater and sea water intrusion as well as flood caused by the depreciation of drainage systems along the coast, it is a good way to construct the optimal management system by exploiting the modern technologies like Cyber-Physic System and IOT.
5. In addition to the interdisciplinary collaborations of hydrology, hydraulics, irrigation, drainage and sea tides, waves, current and storm surge techniques, the WG will promote the advanced management of irrigation, drainage, flood control and groundwater by combing the latest technologies of ICT, IOT, CPS and data techniques.
6. To achieve the goal of promoting sustainable development of tidal areas, the WG has updated the mandate for 2016-2022 as below:
 - (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.



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON CAPACITY DEVELOPMENT, TRAINING AND EDUCATION (WG-CDTE)**

12 October 2017, 09.00-10.30 hours (Session I)
12 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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 and training services.

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

WG-CDTE Agenda Item 1: Action Taken Report by Chair

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 Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. Chairman in consultation with Vice Chair of the WG and the Central Office has 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-CDTE Agenda Item 2: Road Map to ICID Vision 2030 – Activities on capacity development, training and education

3. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-CDTE as presented in CG report is given as **Annex 2**.
4. During Chiang Mai meeting, the Chair presented and discussed the draft Action Plan 2030 of the WG and identified that three Goals - (i) Facilitate exchange of information; (ii) Encourage research and support development of tools to extend innovation into field practices; and (iii) Facilitate capacity development, are relevant to the activities of WG-CDTE. The Group will discuss the Action Plan, review / update information on various activities and finalise milestones to achieve outcome as indicated 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)

5. Technical Support Unit (TSU) was established at ICID Central Office vide notification no.1/2016 dated 4 January 2016 to undertake capacity development activities in the field of agriculture water management (AWM) in support of rural development. As a part of the implementation mechanism, a Core Group headed by the President, ICID and Chair PCTA, PCSO, AFRWG, ASRWG, WG-CDTE as Members and Secretary General, ICID as Convener was also 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.

6. In accordance with resolution IEC-2/67, NCs were requested to (i) take full advantage of the establishment of the Technical Support Unit (TSU), and (ii) to contribute towards the Fund created for undertaking activities of TSU. 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 TSU.

7. In this respect, ICID Central Office developed and shared nomination forms and terms of reference for long term experts/ professional with the NCs. In response, Korean National Committee (KCID) informed that they are in the process of nominating a professional for long term and contributed US\$ 5,000 for capacity development fund to support activities of TSU in 2017 and also committed similar funds during 2018 and 2019. Egyptian National Committee (ENCID) and Pakistan National Committee on Irrigation and Drainage (PANCID) nominated VP Dr. Wabha (Egypt) and Ch. Foad Hussian (Pakistan) as short-term experts.

8. Iranian National Committee (IRNCID) submitted request for support of TSU for two capacity development programs i.e. (a) Training Course on ‘Measurement of Crops actual evapotranspiration using the following device; Bowen, Eddy Convariono, Cosmos, Ratio” and (b) Workshop on “Practical Benchmarking for improving performance of Irrigation and Drainage Schemes”.

9. The Core Group, established to guide Technical Support Activities undertaken by TSU, held its first virtual (video-conference) meeting on 14 June 2017 and discussed various issues related to functioning of TSU such as - (i) Nomination of Experts and Contribution to Capacity Development Fund established in the Central Office as part of TSU Program; (ii) NCs’ request for getting support of TSU; and (iii) Honorarium for experts from NCs of developing countries. After deliberations on various issues, it was decided that the TSU should implement a Technical Support Program (TSP) and that the decisions taken in relation to TSU and its related activities should be compiled and framed as a Technical Support Program Scheme describing the Scope of the TSP and the mechanism, and TSU in a consolidated manner. The TSP scheme is given as **Annex 3**. Chair may apprise the WG members on the status of TSP activities at the meeting.

WG-CDTE Agenda Item 3.2: Training programme for YPs (Asian Region)

10. ICID in association with the Chinese National Committee (CNCID) is planning to organize a five-day training programme in November/ December 2017 on the theme “Performance Assessment of Irrigation Systems”. NCs have nominated Young Professionals (YPs) for the training programme from institutions involved in agriculture water management within Asian countries. The training programme will provide opportunity to the participants with broad understanding of various related topics pertaining to performance assessment such as need, framework, performance indicators, techniques and tools for performance assessment etc. The main focus will be on physical, institutional, organizational and participatory management aspects. Representative from CNCID/Chair may provide further updates during the meeting.

WG-CDTE Agenda Item 3.3: Training programme for YPs in 2018

11. As a part of capacity development programme, ICID Central Office proposes to organise a training programme for YPs during 2018. WG may discuss the need, details, theme, topics, host NC/ institute etc. for the next training programme.

WG-CDTE Agenda Item 4: Knowledge Management Strategy

12. As a professional network that deals in scientific and technical domains, ICID 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. Better communication precedes better collaboration and collaboration leads to better synergy of limited resources, both physical and human. ICID Central Office has developed a Knowledge Management Strategy (KMS) (**Annex 4**) to leverages the knowledge generated over the 60+ years through various working groups, NCs and partners and others. An Irrigation and Drainage Knowledge Base has been conceptualized and will be presented for the consideration of WG-CDTE. WG members may discuss the draft KM strategy and provide their suggestions for its finalization. Members will also discuss how they can contribute towards implementation of KM strategy.

WG-CDTE Agenda Item 4.1: Dissemination of Knowledge

13. As decided during the Chiang Mai meeting, the website of the WG http://www.icid.org/wg_cdte.html has been updated with the new membership list, agenda, minutes, paper presentations, publications etc. In February 2017, 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 updation of WG website.

WG-CDTE Agenda Item 4.2: Sharing of Knowledge

14. In addition to the ICID international events such as WIF, Congresses, Regional Conferences, WG meetings, Web based seminar (Webinars) were first discussed. The WG-CDTE supported the suggestion of organizing webinars to promote sharing of vast expertise available with ICID fraternity. The Central Office requested members to provide their suggestions on the topics on which webinar can be considered along with name of the relevant experts who could be contacted to develop webinars. The group may discuss and suggest suitable topics along with names of expert for organizing webinars.

15. During the year, ICID Central Office started a new initiative of organising series of webinars. So far, 6 webinars have been organised on the topics (i) Water Use Efficiency by VPH Felix Reinders (South Africa), (ii) Water Accounting and Audit by Dr. Wim Bastiaanssen (UNESCO-IHE), (iii) Practical Benchmarking or Improving Performance of Irrigation and Drainage Schemes by Dr Martin Burton (UK), (iv) Planning for Irrigation Modernization – The MASSCOTE Approach by Dr Robina Wahaj (FAO), (v) National Water Account: Australian Experience by Dr Amgad Elmahdi (Australia), and (vi) Seminario web sobre El Marco de Contabilidad de Agua WA+ para la Gestión de Recursos Hídricos in Spanish (Water Accounting +) by Dr. Gonzalo E. Espinoza (UNESCO-IHE). Live recording of webinars is available at ICID web site http://www.icid.org/icid_webinars_past.html.

WG-CDTE Agenda Item 4.3: E-learning programmes as a capacity development tool

16. Constraints in financial resources limit the outreach of the capacity development activities as detailed under item 3. In order to reach out to a larger community the mechanism of e-learning provides an opportunity. During Chiang Mai meeting, the Group discussed the issue to undertake the study on “capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps” and “the role of ICT in capacity development in agricultural water management”. While the group agreed to make effort to gather the information on available existing e-learning modules related to agriculture water management (AWM) through the NCs as well as various institutes and education and training centres. In February 2017, the WG requested the members of the Group to collect and provide the necessary information related to e-learning modules with brief details etc. from their NC. In response, KCID informed that they desired to organise a joint training programme with ICID at RC-IEEC, Korea. WG Chair will provide updated status on the study on capacity development needs. Vice Chair Dr. Young D. Kim will provide update of functioning of RC-IEEC and organising training programmes at the institute during the meeting.

17. Based on the success of on-going ICID Webinar Series, various options for e-Learning platform are being explored by ICID CO and also hybrid-learning programs are being reviewed to enhance the effectiveness of training and learning activities. WG may 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



NOTES FOR CHAIRPERSON:

Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

ATTENDANCE OF MEMBERS IN 2016

Sl. No.	Members	Member From (Year)	2016		Remarks
			Self	Contributed by mail	
1.	Prof. Dr. Abdelhafid DEBBARH (Morocco), Chairman	2015	•		
2.	Dr. Young D. Kim (Korea), Vice-Chairman)	2015	•		
3.	Mr. Mirza Asif Baig (Pakistan)	2016			Provisional Member (2016)
4.	Dr. Nader Heydari (Iran)	2016			Provisional Member (2016)
5.	Eng. Abu Obieda Babiker Ahmed Hassan (Sudan)	2016			Provisional Member (2016)
6.	Mr. Ramesh Kumar (India)	2016			Provisional Member (2016)
7.	Mr. Hasan Basri Yuksei (Turkey)	2016			Provisional Member (2016)
8.	Ms. Dahile Abdulquader Abdulhammed (YP) [Iraq]	2016			Provisional Member (2016)
9.	Secretary General, ICID			•	



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	

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
	2.3 Organizer Webinar	Online meeting	Identification of topics and resource persons/ institutes	Support development of webinar material and its wider dissemination	Support development of webinar material and its wider dissemination	Support development of webinar material and its wider dissemination	Support development of webinar 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)



TECHNICAL SUPPORT PROGRAM (TSP)

I. Background

1. The great challenge for the coming decades will be to increase food production with less water, particularly in countries with limited water and land resources. The effective and sustainable use of water for agriculture has become a global priority of vital importance, requiring urgent and immediate solutions in view of intensifying competition. The importance of Capacity Development for attaining sustainable developments in irrigation, drainage and flood management sectors is fully understood. The consensus among policy-makers in the developing world is that a lack of capacity is constraining the development of irrigated agriculture. Although this concern is not new, it is now receiving much attention in the irrigation and drainage world, where it is becoming an issue in its own right due to the increasing complexities of development, multi-disciplinary nature sustainable solutions, the close linkages between water-food-energy, rapid changes in the irrigation and drainage sector, the need to bring together various stakeholders who might not necessarily be experts. Moreover many countries are facing shortage of qualified technical persons

II Technical Support Program

2. The National Committees of ICID have expressed the need for professional guidance and support from ICID in initiating certain studies and activities. In order to meet this requirement a Technical Support Program is established by ICID. The objective of the Program will be to:

“Undertake capacity development activities in the field of agriculture water management (AWM) in support of rural development”.

3. Technical Support Programme will be implemented by the Technical Support Unit (TSU) which was set up vide ICID notification no. 1/2016 under WG-CDTE with the approval of the International Executive Council (IEC) at its 66th meeting held on 16 October 2015 at Montpellier, France vide IEC Resolution 3/66. keeping in view the need of capacity building, education and awareness of technical staff working in the field of agriculture water management.

4. The scope of work and expected outputs/deliverables of TSP are as follows:

- (a) Support the member countries in:
 - (i) general assessment of gaps in AWM capacities within the countries and suggest possible solutions;
 - (ii) developing feasibility reports for small and medium irrigation, drainage and flood management proposals;
 - (iii) training needs assessment; and
 - (iv) undertaking capacity development programmes.
- (b) Coordinate and execute capacity development programs of ICID under the overall guidance of WG-CDTE and administrative directions of the Core Group; and
- (c) Develop a knowledge base of AWM with the help of ICID working groups, partner institutions and member countries.

III Core Group

5. A Core Group with the following Composition and Terms of Reference (ToR) has also been set up to guide activities under Technical Support Program :

Composition

- | | | |
|-----|-------------------------|------------|
| (a) | President, ICID | - Chairman |
| (b) | Chair, PCTA | - Member |
| (c) | Chair, PCSO | - Member |
| (d) | Chair, AFRWG | - Member |
| (e) | Chair, ASRWG | - Member |
| (f) | Chair, WG-CDTE | - Member |
| (g) | Secretary General, ICID | - Convener |

In addition, the representatives (maximum two at a time) of Financial partner contributing to CDF, particularly supporting specific activities, will be co-opted by the President.

Terms of Reference (ToR)

- (i) Finalizing and prioritizing the work program of TSU;
- (ii) Review and monitor progress of activities of TSU;
- (iii) Take administrative and financial decisions regarding the engagement of volunteers and other experts; and
- (iv) Support resources generation and take all financial decisions

IV Mechanism

6. **Technical Support Unit (TSU)**, will serve to execute the activities under TSP. TSU will consist of distributed network of short-term and long term expert volunteers, who commit to dedicate a maximum of ten man-days for short-term and up to 6 months as long-term experts to the TSU activities. The activities will be supported by a Coordination Unit (CU) established within the Central Office. NCs and other members, including partner institutions, will be requested to depute personnel to the CU of TSU from time to time, as required. Broad terms of reference of long term expert indicating scope of deputation of experts, financial aspects etc. is at **Annexure A**, which also include nomination form (**Annexure B**). Long-term Experts/ professionals will be paid a suitable honorarium in accordance with the Government of India rules, payable by Non-government organization, non-profit organizations such as ICID and approved by the Core Group.

7. Nomination forms for deputation of short term experts is at **Annexure C**. Since short term experts will provide voluntary contributions to the activities of the TSU, ICID will provide honorarium (US\$ 100–150) to them for delivering lectures and preparing lecture material in addition to economy class air fare along with Boarding and Lodging by the Recipient NC. The travel of the expert volunteers in connection with TSU activity and honorarium for the experts, will be supported through CDF.

8. **Request for support from TSU**. In order to get support from the TSU, NCs seeking support from the TSU will submit their request in the prescribed form (**Annexure D**) providing information related to the type of audience who would be benefitting from the program, brief outline of the Program for which support is sought, areas where the external expertise is required, contribution of the recipient NC to the cost of the experts, etc. in a structured format in order to facilitate processing of the request.

9. The status of the requests received from NCs will be maintained in a 'Request Register'. The first priority will be given to the requests where the Recipient NC is ready to provide full financially support for services of the experts in terms of travel, accommodation etc. and involvement of the TSU will essentially be that of facilitation and identifying the experts. The prioritization for support by TSU will be as follows:

- (a) Trainings and Workshops in the recipient country fully funded by the Recipient NC
- (b) Trainings and Workshops in the recipient country partially supported by the Recipient NC
- (c) Study and preparation of the Report on the Capacity Development Needs in a Country
- (d) Preparation of pre-feasibility proposals for small irrigation schemes

10. In case of multiple requests from a particular NC, as far as possible equity will be maintained keeping in view the constraints of the funds. Immediately after receiving the request, TSU will identify the experts in consultation with the Chair/Vice Chairs of the concerned WG. Based on the suggestions received and the roster of short term experts available, the TSU will facilitate the process and depute expert(s) to the Recipient NC for supporting the programme/activity of the NC.

V Fund

11. In order to ensure smooth functioning of TSU, a **Capacity Development Fund (CDF)** is established for the activities of TSU. The Fund will be supported by member countries on a voluntary basis.



**Terms of Reference for Engaging Expert for
TECHNICAL SUPPORT UNIT (TSU) IN ICID CENTRAL OFFICE**

Post Title: Expert (Agricultural Water Management)

Duty Station: ICID Central Office, New Delhi, India

Duration: Six months (*initially*)

TERMS OF REFERENCE (TOR)

1. Background

The National Committees of ICID have expressed the need for professional guidance and support from ICID in initiating certain studies and activities. Accordingly, the 66th ICID's International Executive Council meeting held on 16 October 2015 at Montpellier, France, approved the setting up of a Technical Support Unit in ICID vide IEC Resolution 3/66 keeping in view the need of capacity building, education and awareness of technical staff working in the field of agriculture water management. The objective and scope of activities of TSU are as given in the Technical Support Program scheme.

2. Deputation of Expert to Technical Support Unit (TSU)

As per decision of IEC (Resolution 3/66, TSU is being set up in ICID at its Central Office located in Delhi with deputation of experts on short term on voluntary basis from interested National Committees. Brief description of scope of activities and other terms and conditions is given below:

2.1 Broad scope of deputation of expert to TSU

National Committees / Committee are requested to consider deputing their mid-level experts for short term to support activities of TSU on capacity development programme in agricultural water management for least developed countries in Africa and Asia including support to development of proposals for small scale irrigation, flood management and drainage at feasibility level. Broad ToR of experts is given below:

- (a) The Expert nominated by the National Committee / Committee to Technical Support Unit (TSU) will be working on voluntary basis for an initial period of six months.
- (b) Expert should be professionally qualified in the field of Agricultural or Water Resources Engineering, preferably, post-graduate
- (c) At least 10 years work experience in dealing with agricultural and water management issues having experience in the areas of research, capacity development, training, project planning and development etc.
- (d) The Expert should be in the age group of 40 to 50 years of age.
- (e) The Expert should be fluent in Spoken and Written English and computer savvy.

2.2 Financial aspects

The Sponsorship Organisation has to bear all the financial expenses of the expert in terms of salary and allowances, travel expenses, per diem, accommodation, local transport, insurance etc., to undertake the assignment. However, ICID will pay an honorarium of Rs.10, 000/- (US \$ 150) {as per Government of India norms} per month.

2.3 Documents

While deputing expert to TSU, the National Committee may kindly furnish Curriculum Vitaé (CV) of the applicant along with the following documents:

- (a) Educational qualification
- (b) Experience profile
- (c) Copy of passport

The condition for grant of visa for working in India for NGOs and other organizations is available at: <http://mha1.nic.in/foreigDiv/OverviewVisa.html>



**TECHNICAL SUPPORT UNIT IN ICID CENTRAL OFFICE
APPLICATION FORM FOR LONG-TERM EXPERTS**

A. Applicant's personal and experience details

1. Personal Information

Name

Position

Organization / Department

Gender

Male

Female

Date of birth:

Day

Month

Year

Nationality

Contact details including e-mail

Passport Details (*attach a copy*)

Number

Validity

Issuing authority

2. Educational background and experience (*Attach brief CV*):

- (i) Degree & above:
- (ii) Brief details of experience in the field of agricultural water management, flood management, drought and related areas with expertise in research, capacity development, training, project planning and development, (*use separate sheet, if required.*):
- (iii) Specify experience on development of proposals for small scale irrigation, flood management and drainage at feasibility level, if any:
- (iv) Experience of working in least developed countries in Africa and Asia, if any:

3. Other details (*please specify*):

	Fair	Good	Excellent
Knowledge of English			
Spoken			
Written			

- i. Are you willing to work in least developed countries of Africa and Asia on short term basis?

Date: _____

Signature: _____

B. Recommendation by Sponsoring Organisation

Mr / Ms _____ is sponsored to work in Technical Support Unit of ICID, New Delhi. This is to certify that the above information is correct best to our knowledge. We undertake to bear all financial expenses of the expert in terms of salary and allowance, travel expenses, per diem, accommodation, local transport, insurance etc. to undertake the assignment.

Name of the person

Position

Name of Sponsoring Organization

Date: _____

Signature: _____

C. Recommendation by the ICID National Committee

Mr / Ms _____ is recommended to work in Technical Support Unit of ICID, New Delhi.

Name of the person

Position

Name of National Committee

Date: _____

Signature: _____



**TECHNICAL SUPPORT UNIT IN ICID CENTRAL OFFICE
NOMINATION FORM FOR SHORT TERM EXPERT**

A. Personal and experience details

1. Personal Information

Name	
Position	
Organization / Department	

Gender Male Female

Date of birth: Day Month Year

Nationality

Contact details including e-mail

Passport Details (*attach a copy*) Number Validity Issuing authority

2. Educational background and experience (*Attach brief CV*):

- (i) Degree & above:
- (ii) Brief details of experience in the field of agricultural water management, flood management, drought and related areas with expertise in research, capacity development, training, project planning and development, (*use separate sheet, if required.*):
- (iii) Specify experience on development of proposals for small scale irrigation, flood management and drainage at feasibility level, if any:
- (iv) Experience of working in least developed countries in Africa and Asia, if any:

3. Expertise in fields related to Agriculture Water Management (select any three)

- Agronomy related aspects
- Bio-Drainage
- Climate Change Adaptation
- Drainage
- Development of Tidal Areas for Agriculture
- Drought Management
- Environmental Aspects of Irrigation & Drainage
- Flood Management
- Irrigation Development & Management
- On-Farm Management

- Participatory Irrigation Management
- Use of Poor Quality Water in Agriculture
- Any other (Please specify)

4. Knowledge of Languages (please specify):

Languages	Fair	Good	Excellent
i. English			
Spoken			
Written			
ii. French			
Spoken			
Written			
iii. Any other			
Spoken			
Written			

iv. Are you willing to work in least developed countries of Africa and Asia on short term basis?

Date: _____

Signature: _____

B. Recommendation by Sponsoring Organisation

Mr. _____ is sponsored as Short Term Expert (upto 10 days) to support activities of the Technical Support Unit of ICID, New Delhi. We undertake to bear financial expenses of the expert in terms of salary and allowance during period of assignment.

We understand that ICID / Host country will make arrangement for travel and accommodation and Expert would be paid honorarium as per ICID norm.

Name of the person

Position

Name of Sponsoring Organization

Date: _____

Signature: _____

C. Recommendation by the ICID National Committee

Mr. _____ is recommended to work as Short Term Expert to support activities of Technical Support Unit of ICID, New Delhi.

Name of the person

Position

Name of National Committee

Date: _____

Signature: _____

**TECHNICAL SUPPORT UNIT IN ICID CENTRAL OFFICE
REQUEST FORM FOR NATIONAL COMMITTEES**

1. Name of the National Committee

2. Request submitted for (please ✓ applicable one and insert the title in the box below):

- (a) Workshop/ Training in the Country
- (b) Exchange Visit to another NC
- (c) Study/ Gap Analysis of Capacity Development in the country
- (d) Pre-feasibility report preparation

3. Topics of the Workshop/Training or the Scope of the Study

4. Target audience for the Workshop/Training:

5. Approximate dates and duration of the event

(Please give 6 months advance notice and a flexible time schedule):

6. Priority of the request (if more than one request is submitted in a given financial year):

7. Please indicate which of the following costs the NC will be able to meet (please ✓ applicable box):

No.	Item	Yes	No	N/A
1	International Air Travel costs by Economy Class	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Internal travel/transportation costs (within the country)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Boarding and Lodging of the Experts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Training material including its reproduction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Honorarium to the Expert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Videography of the lecture proceedings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Surveys or studies required from local experts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Outline of the proposed Training/Workshop/Study

(Also, please *attach* a brief outline of the event or study, the list of topics of lectures, the lectures taken by local experts and those required from ICID-TSU External Experts):

Attached Not attached

- 9. **Other National Institutions involved in the activity:**
- 10. **Contact person for the activity:**
- 11. **Any additional information:**

Signed/submitted by:

President/Chair/Secretary-General/Secretary
of the National Committee/Committee

Place:

(Please affix the signature)

Date:



KNOWLEDGE MANAGEMENT STRATEGY (KMS)

CONCEPT NOTE FOR BRAIN-STORMING / DISCUSSION

1. Introduction

1.1 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)

2.1 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.

2.2 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

3.1 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.

3.2 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.

3.3 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.

3.4 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 YellowPages

3.5 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.

3.6 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.

3.7 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 (IYPeF) 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.

3.8 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

4.1 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

5.1 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.

5.2 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.

Table 1. Irrigation and Drainage Knowledge Base

SOURCES OF IRRIGATION	APPLICATION OF IRRIGATION WATER	IRRIGATION AND ENVIRONMENT
<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 	<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 	<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
INSTRUMENTS AND IMPLEMENTS OF IRRIGATION	IRRIGATION MANAGEMENT	PURPOSE OF IRRIGATION
<ul style="list-style-type: none"> • Pumps • Centrifugal Pumps • Submersible Pumps • Turbine and Jet Pumps • Conveying pipes • Sprinklers • Drippers • Canal automation systems 	<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 	<ul style="list-style-type: none"> • Kitchen Garden • Landscape • Agriculture • Horticulture • Floriculture • Forestry
CAPACITY DEVELOPMENT	DRAINAGE TYPES AND SYSTEMS	DRAINAGE ISSUES
<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 	<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 	<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
ICID DATABASES		ANALYTICAL TOOLS/MODELS
<ul style="list-style-type: none"> • Integrated Library Management System • ICID Database • ICID Publications • ICID News and Articles • ICID Members and Partners • Irrigation and Drainage Dictionary • Directory of Irrigation and Drainage Products and Services 		<ul style="list-style-type: none"> • BHIWA • PODIUM • WEAP • SALTMED • IrriReSearch

6. User Interface

6.1 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.

6.2 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,
- (a) Query-Based View for specific information seeker, or
- (b) Activity-Based View for use of AWM tools, techniques/methods by user.

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.

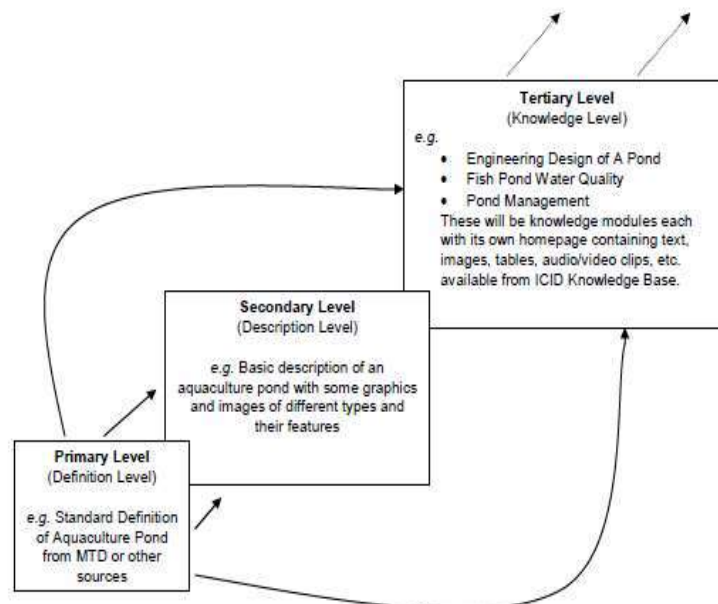


Figure 1. Multilevel Subject Matter View of "Pond" Object

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.

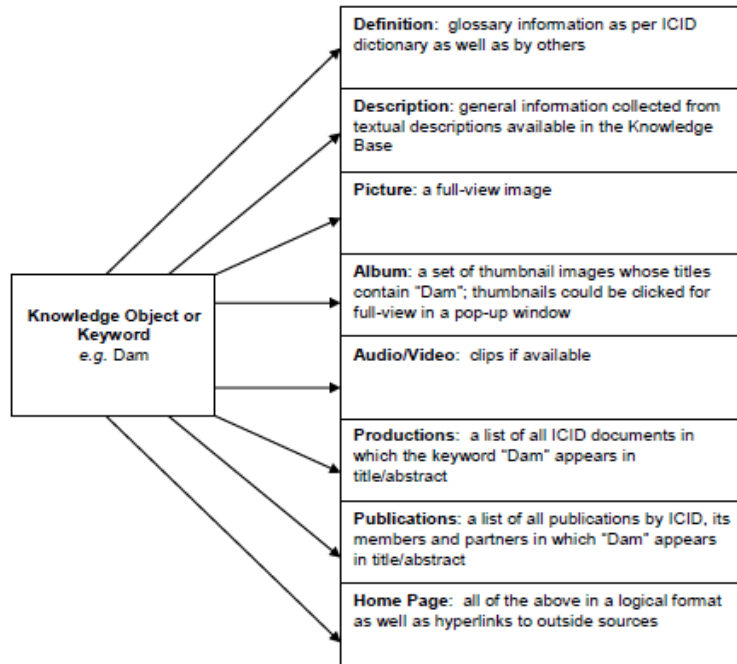


Figure 2. Query-Based View of Irrigation and Drainage Knowledge Base

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.

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.

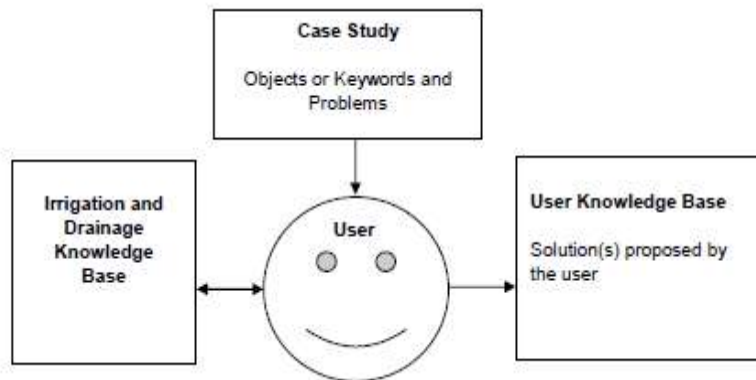


Figure 3. Activity-Based View of Irrigation and Drainage Knowledge Base

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.

10. Example for Activity-based View: Pond Design Problem

10.1 Problem Statement

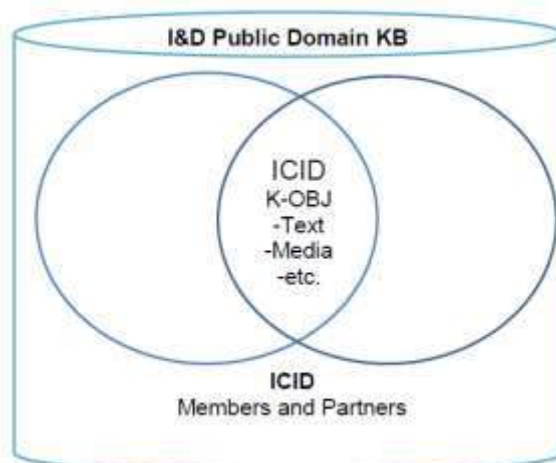
Design a series of ponds as a 100 T/year tilapia production facility. Assume the source of water to be a well near the pond site with a maximum flow capacity of 200 L/min. Use a nearby ditch (klong) as a discharge destination. The proposed design should include the followings:

- (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:



**AGENDA FOR THE 20TH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)**

12 October 2017, 13.30-15.00 hours (Session I)
12 October 2017, 15.30-17.00 hours (Session II)
Mexico City, Mexico

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1998

Extended the completion of the Mandate: 2017

Mandate: To motivate ICID National Committees in various countries to set up their National Working Groups and provide them guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, flood management, and river engineering, incorporating relevant agricultural, political, socio-economic, climatologically and geographical aspects for proper understanding of the technological developments in the subject, if possible chronologically. Furthermore, to organize seminars at ICID Congresses, in order to show the importance of historical studies and as to how they help when planning for the new projects.

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

WG-HIST Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016. During the year, the Chair has shared the various chapters of the proposed publication of the WG for reviewing and updating. The Scoping Document as finalised by the WG in 2016 was circulated among the National Committees for their comments/suggestions.

2. The Korean National Committee (KCID) has nominated Mr. Jong Myong, Kim in place of Prof. Jaekyoung Noh; Mexican National Committee (MXCID) has nominated Dr. José Luis Martínez Ruiz; Sri Lanka National Committee (SLNICID) has nominated Eng. S.P.C. Sugeeshwara; and Egyptian National Committee (ENCID) has nominated Eng. Ahmed Awad Hag Abd-Elnabi – as Young Professional for the membership of the group. The existing 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.

WG-HIST Agenda Item 2: Road Map to ICID Vision 2030 - Activities on history of irrigation, drainage and flood control

3. At Chiang Mai meeting (2016), the group discussed and finalized the draft Action Plan 2030. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report “A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030”. Action Plan for WG-HIST as presented in CG report is given at **Annex 2**.

WG-HIST Agenda Item 3: Publication on “Historical Water Sustainability”

4. During Chiang Mai meeting (2016), the Chair Dr. Kamran Emami briefly described the process of publishing the WG publication titled ‘*Historical Water Sustainability*’. During the discussion, it was proposed to edit the final version with the assistance of PH Peter Lee and Mr. Charles Abernethy (UK). In February 2017, Chair Dr. Kamran Emami circulated the draft chapters (13) to the members of the WG for peer reviewing. The final version would be made available at the meeting. The group may like to discuss and decide the possibility of publishing the book in hard copy or soft version, so that it can be proposed to C-PR&P for its recommendation to PCTA/ IEC. The Chair may apprise the WG.

WG-HIST Agenda Item 4: Exchange of information, knowledge & networking - Website

5. As decided during the Chiang Mai meeting (2016), the website of the working group <http://wg-hist.icidonline.org/> has been updated with the new membership, CVs, agenda, minutes, publications, presentations etc. Members are requested to provide interesting articles/ papers/ presentations/ documents/ links related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-HIST Agenda Item 5: Review of Historical Irrigation Structures (HIS) and WSH Program

6. During the 67th IEC meeting (2016), twenty-five Heritage Irrigation Structures were approved for inclusion in the ICID Register of Heritage Irrigation Structures which have been projected on ICID website http://www.icid.org/icid_his1.php. In 2017, 13 Nominations from 5 National Committees viz. Australia (2), China (3), Japan (4), Republic of Korea (2), and Mexico (2) have been received and are being evaluated by the Panel of Judges for adjudication with the objective to provide recognition of Heritage Irrigation Structures.

7. During Chiang Mai meeting (2016), the Chair restated the development of World Water System Heritage (WSH) Program and decided to closely follow the activities of WSH. Eight nominations have been received under the WSH Program (2016 and 2017) at ICID. The submission are being evaluated by the Panel of Judges. An update will be provided by the Secretary General.

WG-HIST Agenda Item 6: Closure report and Scoping Document (mandate) of the Working Group

8. The closure report and Scoping Document (SD) of the working group was presented and discussed during Chiang Mai meeting (2016). However, as per procedure approved by the IEC for setting up of the new WGs, the SD has to be circulated among NCs. Accordingly, in May 2017, the updated Scoping Document for the establishment of the new WG has been circulated to all National Committees inviting their comments/ suggestions together with new nominations for the group. The updated Scoping Document is available at **Annex 3**.

9. Members may deliberate and finalize the SD and new Mandate of the WG at the meeting. After discussion, Chair will provide the final mandate of the group to PCTA/ IEC for recommendation and approval by the Council.

WG-HIST Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

A. Members and their attendance at 2015 and 2016 Meetings

Sl. No.	Members	Member from	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Kamran Emami, Chairman (Iran)	2009	•		•	•	
2.	Prof. Dr. N. Hatcho (Japan)	1996	•		•	•	
3.	Mrs. Xuming Tan (China)	1997	•		•	•	
4.	VPH Dr. Laszlo Hayde (Hungary)	2001	•		•	•	
5.	VPH Dr. A. Hafied A. Gany (Indonesia)	2005	•		•	•	
6.	Mr. Charles L. Abernethy (UK)	2005	•			•	
7.	Prof. Jaekyoung Noh (Republic of Korea)	2014					KCID nominated Mr. Jong Myong, Kim in place of Prof. Noh
8.	VPH Chaiwat Prechawit (Thailand)	2014	•		•	•	
9.	Engr. Sirika Ahmad Abubakar (Nigeria)	2014	•				
10.	Mr. Antonio Linoli (Italy)	2014			# ¹		
11.	VPH Gerhard Backeberg (South Africa)	2015	•	•	•	•	
12.	Prof. Dr. Abdul Sattar Shakir (Pakistan)	2015		•		•	
13.	Secretary General, ICID						
Permanent observers							
(i)	Dr. (Mrs.) B. Dolfing (The Netherlands)						
(ii)	Dr. Ir. M. Ertsen (IWHA)						
(iii)	Dr. Ing. Klaus Rottcher, 2015 (Germany)	2006					

B. New nominations received from the National Committee

Sl. No.	Name	Country	Remarks
1	Mr. Jong Myong, Kim	Korea, Rep. of	Recommended by Chair subject to his presence or else Provisional Member
2	Dr. José Luis Martínez Ruiz	Mexico	Recommended by Chair subject to his presence or else Provisional Member
3	Eng. S.P.C. Sugeeshwara	Sri Lanka	Recommended by Chair subject to his presence or else Provisional Member
4	Eng. Ahmed Awad Hag Abd-Elnabi	Egypt	Recommended by Chair subject to his presence or else Provisional Member



¹ #Through representation

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 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)



WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)
UPDATED SCOPING DOCUMENT

1. Introduction

- 1.1 As we entered the 21st century, humanity was confronted with three fundamental problems that were interrelated in a complex system: water crisis, sustainability and flood mitigation. Coping with the water-related challenges in the 21st century requires major technical jumps and innovations in all related fields.
- 1.2 In knowledge management sphere, it is often pointed out that it is important to distinguish between data, information, knowledge and wisdom. The generally accepted view is to see data as simple facts that become information as it is combined with meaningful structures, which subsequently become knowledge as meaningful information is used to make predictions. This view looks at data as a prerequisite for information, information as a prerequisite for knowledge and knowledge as a prerequisite for wisdom. When facts are put into a context, and combined within a structure, information emerges. When information is given a meaning by interpreting it, information becomes knowledge. At this point, facts exist within a mental structure that consciousness can process, for example, to predict future consequences, or to make inferences. As the human mind uses this knowledge to choose between alternatives, behavior becomes intelligent. Finally, when values and commitment guide intelligent behavior, behavior may be said to be based on wisdom.
- 1.3 In the era of super computers today, the process of a typical data to become wisdom may take a day or a week or a month in some industrial cases. But in the context of water engineering, the time span may be a year or a decade or a century. Consequently, the water wisdom of the past which was achieved in a period of hundreds of years can be regarded as a unique and irreplaceable gift from our ancestors to contemporary water engineers. Hopefully, the water wisdom of our ancestors would play a key role in our adaptation with the water related challenges in the 21st century. It is, therefore, necessary that we look back at the ancient creation of the fertile human brains that used the synergy of science and art at that moment of time to provide us with abundant food for thought. It should be remembered that foundation of the future rests on the achievements of the past.
- 1.4 The water engineering is a vital part of the story of civilization. Reservoirs for water supply were undoubtedly, among the earliest structures, devised by mankind. The role that water management structures have played over the ages is documented in many records of historical lands. These structures have been linked closely to the rise and fall of civilizations, especially to those cultures highly dependent upon water/ irrigation.
- 1.5 The mission of ICID is to stimulate and promote the development and application of the arts, sciences and techniques of engineering, agriculture, economics, ecological and social sciences in managing water and land resources for irrigation, drainage and flood management for achieving sustainable agriculture water management and water history can be used for achieving this mission.

2. Objectives

The objectives/ relevance of the WG can be specified as follows:

- (a) Water History aims to foster historical understanding of the relationship between water and humankind. Lessons learned from water history can be used to enhance our strategies for sustainable irrigated agriculture.
- (b) The WG is expected to contribute to effective implementation of the Strategy Theme Schemes and to other strategy themes;
- (c) The water engineers will be facing greater challenges in the coming decades. Water history can be used to inspire them and promote the stakeholders participation, creativity and innovations.

3. State of knowledge on the topic

3.1 International Organizations that are working on the subject

There are very few other International Organizations that have programs and activities on this topic. This especially concerns with the:

- (a) **International Water History Association (IWHA):** The International Water History Association (IWHA) aims to encourage, promote, and foster historical understanding of, and research in, the relationship between water and humankind. IWHA fosters a stronger relationship between those engaged in water history and water administrators, engineers, scientists, planners and other practitioners. Creating public awareness of the role of water in world history and to promote public participation in resolving water resource issues is the main activity.
- (b) **World Water Council (WWC):** ICID brought forward the idea of recognizing World Water System Heritage (WSH) at the 50th Board of Governors (BoG) meeting of World Water Council (WWC) in Budapest, Hungary in October 2013. During the 58th BoG meeting of WWC held in March 2016 in Jodhpur, India, the program was approved in principle. The World Water System Heritage (WSH) Program, a member-driven initiative by ICID in collaboration with various water-related international organizations and WWC, aims to identify and preserve the people-centered water management

systems, organizations, regimes and rules as intangible water heritage considered to be of outstanding value to humanity that created coexistent social systems for humanity and sound environment and giving them recognition. ICID Central Office currently functions as Secretariat for the WSH Program.

- (c) **International Commission on Irrigation and Drainage (ICID):** 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. A historical irrigation and drainage structure fulfilling the criterion, and based on the recommendation of the Jury and approved by the International Executive Council will be included in the "ICID Register of Heritage Irrigation Structures" and presenting a "Heritage Irrigation Structure (HIS)" Plaque citing the salient features of the HIS. The ICID Register of HIS would be publicized through ICID media channels and can be accessed at http://www.icid.org/his_award.html.

3.2 **Mandate of the Working Group**

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 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".
- (g) To encourage member countries to produce documentaries on Water History.

3.3 **How is the Working Group expected to collaborate with the other International Organizations?**

WG-HIST would promote synergy with all International Organizations active in water history. Perhaps, collaboration through Memorandum of Understanding (MoU) for mutual knowledge sharing and co-hosting events could promote lessons learned from water history.

4. **Work Plan**

4.1 **Scope**

The WG is expected to investigate, analyse, and disseminate information on different aspects of water history and to formulate recommendations with respect to:

- (a) Ensuring sustainability of irrigation and flood projects;
- (b) Combining old methods and modern technologies for enhanced creativity and innovation;
- (c) Recognition of the historical structures.

4.2 **Target audience**

The target audience for this working group will be managers of irrigation schemes, researchers, consultants, manufacturers, government officials, farmer's representatives and staff of International Organizations working on the topic and anybody interested in "A water secure world, free of poverty and hunger through sustainable rural development".

4.3 **Outputs**

The following outputs can be expected from this WG:

- (a) Proceeding of the seminars and workshops;
- (b) A book on "Historical Water Sustainability";
- (c) WG website – dissemination of knowledge;
- (d) Overview paper on "Historical Water Sustainability" for publication in *Irrigation and Drainage (IRD)*.

4.4 **Timelines**

A six-year tenure is requested for this phase of WG activities.



APPENDIX XIX [PCTA Item 8.3]

**AGENDA FOR THE 24TH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

12 October 2017, 13.30-15.00 hours (Session-I)
12 October 2017, 15:30-17:00 hours (Session-II)
Mexico City, Mexico

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 2016 has been disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report will be presented and discussed during the meeting.
2. The existing membership and new nominations to the Editorial Board (EB) are given at **Annex 1** (*refer electronic version for latest list*). The Korean and French National Committees have nominated Prof. Jin-Yong Choi (Korea) and Dr. Severine Tomas (France), respectively, and are recommended as Associate Editors. Dr. Tomas is expected to assist Bernard Vincent with checking of French texts. The new nominations, if any, received for the membership will be dealt suitably after the meeting.
3. A few members of EB-JOUR do not really contribute to the work of the Editorial Board. The Chairman has enquired with them whether they want to become active or want to resign from the membership. The Chairman may apprise the EB.

EB-JOUR Agenda Item 1.1: Special Issues

4. At present, six new Special Issues may be expected, they being:
 - (a) A Special Issue with selected papers of the 2nd World Irrigation Forum. It will most probably be Issue No. 66.5, or 67.1;
 - (b) A Sponsored Special Issue by the Working Group on Sustainable Development of Tidal Areas (WG-SDTA) based on selected papers from the workshops of the Working Group in 2014 and 2015. The Special Issue is expected to be published in 2017.
 - (c) A Sponsored Special Issue by the Iranian National Committee (IRNCID) based on selected papers from the 13th International Drainage Workshop held in March 2017 at Ahwaz, Iran. It is expected to be published in 2017
 - (d) A Sponsored Special Issue on 'New Developments on Irrigation in Africa' is based on the results of a European Union supported project with several partners, especially IRSTEA (France) and Wageningen University (The Netherlands). It is expected to be published in 2017/2018 ;
 - (e) The French National Committee (AFEID) is taking care of a Sponsored Special Issue with selected papers of the European Regional Conference held in Montpellier (2015). The Special Issue is expected to be published in 2018;
 - (f) A sponsored Special Issue by the Mexican National Committee (MXCID), based on selected papers of the Special Session during the ICID Congress in Mexico (2017). The Special Issue is expected to be published in 2018.

EB-JOUR Agenda Item 1.2: French resumés

5. The delays in checking the French resumes were discussed between the Chairman and representatives of the French National Committee (AFEID). Based on this discussion, it has been agreed to solve these problems by mutual cooperation. Although the situation has improved now, more efforts are required to reduce the time in resume checking. The Chairman may apprise the EB.

EB-JOUR Agenda Item 1.3: Recognition to the reviewers

6. The Guest Editors and Reviewers of papers in 2016 have been listed and recognized in the first issue of *Irrigation and Drainage* in 2017.

7. M/s. Wiley has installed the new software PUBLONS on its website. With this software, reviewers are being recognised for the 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. If Reviewers would wish so, a certificate stating their work for *Irrigation and Drainage* can be issued.

EB-JOUR Agenda Item 1.4: Review process

8. Based on the recommendation by Prof Jiusheng Li (China) at the Chiang Mai meeting (2016), the Associate Editors can be mentioned in a footnote at the first page of a paper that they have handled. The chairman has discussed this issue with the publisher. In principle, this is possible. The chairman has made an inventory among the Associate Editors and the results will be presented and discussed during the meeting.

9. In general, it has been observed that the review process of various other journals is taking less time these days. For *Irrigation and Drainage* the chairman has prepared a table comparing the time taken by the various phases of the review processes and his proposal for reduced times. The Table has been mailed to the members of EB-JOUR and will be presented and discussed during the meeting.

EB-JOUR Agenda Item 1.5: Best Paper Award 2017

10. In 2016, seventy-eight papers have been published in the five regular issues and 42 papers in the two Sponsored Special Issues. This brings the total number of papers published to 120 papers. The Best Paper has been selected by the Chairman in cooperation with the Joint and the Associate Editors of the Journal, as well as with the Guest Editors of the two Sponsored Special Issues. 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 2017*' will be announced during the IEC Plenary Meeting on 10 October 2017.

EB-JOUR Agenda Item 2: Road Map to ICID Vision 2030: Action Points of Editorial Board

11. The action points of the Editorial Board to the Draft ICID Action Plan 2030 as presented and discussed during the Chiang Mai meeting (2016) were attached to the minutes. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for EB-JOUR as presented in CG report is given as **Annex 2**.

12. 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. Now that the Action Plan 2030 is available, a draft contents of the proposed Special Issue will be presented and discussed during the meeting.

13. The progress with respect to the activities of EB-JOUR in the framework of the ICID Action Plan 2030 can be summarized as follows:

- (a) three regular issues of IRD have been published on time and as customary, Issue 4 and 5 will also be published in time. The special issue with selected paper of the 2nd World Irrigation Forum is expected to be published as Issue No. 66.5, or 67.1;
- (b) four Sponsored Special Issues are under preparation and the preparation of the fifth one is expected to start shortly after the Mexico Congress. Unfortunately, some of the sponsored special issues are being delayed due to unforeseen situations;
- (c) the Chairman has had a regular meeting with M/s Wiley on 16 May 2017. The second meeting is scheduled on 31 October 2017;
- (d) the Special Issue on 'ICID Action Plan 2030' will be prepared as described above.

- (e) this year the two year Citation Index is 0.931 (objective was 0.7). The Altmetric Score is 3% (objective was 5%);
- (f) the number of unique visitors to the IRD web page in 2016 was 54,877 (objective was 40,000);
- (g) the number of downloads of IRD papers in 2016 was 37,500 (objective was 25,000);
- (h) the number of institutions with access to IRD via a M/s Wiley License in 2016 was 4784 (objective was 4500).
- (i) The number of low-cost or free access to current content to developing world institutions in 2016 was 7711 (objective was 5000).

14. The Chairman may apprise the EB.

EB-JOUR Agenda Item 3: Distribution of the Journal among the ICID membership

15. This year is the fourth 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 2017 to the National Committees and work body members and office bearers has 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 number of subscriptions for the year 2017 are **535** online only, **140** online + print and **126** 'print' only, which makes the overall total as **801**. 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, one copy more than the 800 copies under the Agreement could be subscribed in 2017.

EB-JOUR Agenda Item 4: Issues related with M/s Wiley-Blackwell

17. Following the decisions taken in Chiang Mai, M/s. Wiley has been invited to submit a proposal for a continuation of the fourth Agreement that will expire by the end of 2018. The proposal has been made and will be discussed in MT-JOUR, MB and IEC. The contents of the proposal will be presented in the meeting.

18. 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 2016 and will be presented during the meeting.

19. In 2016, M/s. Wiley has established a direct link to the ORCID software. This software enables authors to have their papers and citations listed in the ORCID research database. The experiences with this option will be discussed during the meeting.

20. During the year, several documents have been received from M/s. Wiley. Mention can be made of:

- Guidance on recommended reviewers;
- Information on agreements on open access;

EB-JOUR Agenda Item 5: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

A. Members and their attendance at 2015 and 2016 Meetings

Sl. No	Members	Member From	2015		2016		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.	Dr. Marcel Kuper, Associate Editor (France)	2009		•		•	
7.	Mr. Bernard Vincent, Associate Editor (France)	2010	•		•		
8.	Prof. Daniele de Wrachien, Associate Editor (Italy)	2001		•		•	
9.	Dr. Takao Masumoto (Japan), Associate Editor	2011	•			•	
10.	Dr. Nick C. Van de Giesen, Associate Editor (2013) (The Netherlands)	2007		•		•	
11.	Prof. Leon van Rensburg (South Africa), Associate Editor	2013	•				
12.	Dr. Biju George (Australia), Associate Editor (2014)	2013		•		•	
13.	Prof. Waldo Ojeda-Bustamante Associate Editor (2014)	2014	•	•	•	•	
14.	Prof. Kendall C. DeJonge (USA) Associate Editor (2014)	2014		•		•	
15.	Prof. Saleh Taghvaeian (USA) Associate Editor (2014)	2014		•		•	
16.	Prof. Yih Chi Tan (Chinese Taipei) Associate Editor (2013)	2006		•			
17.	Dr. Henk Ritzema (The Netherlands), Associate Editor (2015)	2013	•			•	
18.	Prof. Graziano Ghinassi (Italy), Associate Editor	2015	•			•	
19.	VPH Laszlo Hayde (Hungary), Associate Editor	2015	•		•		
20.	VPH Larry D. Stephens (USA)	2001	•		•		
21.	Dr. Muhammad Latif (Pakistan)	2002		•		•	
22.	Dr. Yohei Sato (Japan)	2009	•				
23.	Prof. Ir. Dr. Mohd Amin bin Mohd Soom (Malaysia)	2009		•		•	
24.	Dr. Mohammad Javad Monem (Iran)	2011	•		•		
25.	Prof. Dr.-Ing. Klaus Rottcher (Germany)	2011		•		•	
26.	Prof. dr. Joong Dae, Choi (Korea)	2013	•		•		
27.	Mr. Brent Paterson (Canada)	2013		•		•	
28.	Ir. Simon Howarth (UK)	2014		•		•	
29.	Dr. Poolad Karimi (Iran)	2016			•		
30.	Dr. Vijay Labhsetwar (ICID Central Office)	2006	•			•	

B. New nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Prof. Jin-Yong Choi, Associate Editor	Korea	Recommended by Chair
2.	Dr. Severine Tomas, Associate Editor	France	Recommended by Chair

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)



**AGENDA FOR THE 26TH MEETING OF THE
COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**

10 October 2017, 11.00-12.30 hours
Mexico City, Mexico

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1992

Mandate: (i) To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation; to identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out; to encourage National Committees to adopt a proactive role in communicating the role of water resources projects in serving mankind; and to encourage the use of communications specialists to ensure that the ICID public relations effort is effective, (ii) General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications, (iii) Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs; fixing number of copies of books; public relations for publications, recommendations on subsequent publications of ICID.

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

C-PR&P Agenda Item 1: Action taken report by Chair

1. The Chair will present the report on the actions taken on the decisions of the Committee at its last meeting held at Chiang Mai in November 2016. No new nominations have been received from NCs during the year. Ms. Sahar Norouzi (Iraq), a Provisional Member, is recommended to be discontinued as she has not contributed since Chiang Mai meeting in 2016. The existing membership of the Committee 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.
2. In response to Central Office's follow-up, Mr. Hiyam Raad Adwan (Iraq) has informed that he had coordinated with the Directorate of Ministry of Water Resources and also approached the Department of Government Communication and Media to post the ICID News in their Ministry website. Further, Mr. Adwan also informed that the Iraqi Ministry of Water Resources organised Second Scientific Conference for '*Integrated Water Management to achieve Sustainable Development and Water Security*' from 26-27 July 2017 in Iraq. Mr. Adwan will provide further updates at the meeting.

C-PR&P Agenda Item 2: Road Map to ICID Vision 2030 - Activities of the workbodies

3. During Chiang Mai meeting, the Committee noted that the 66th IEC meeting had approved the new Vision, Mission and six Organizational Goals for ICID. It was also noted that an action plan was to be drafted by the Consultative Group (CG), which required inputs from ICID Work Bodies to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan 2030. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the CG on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030, can be accessed or downloaded from <http://www.icid.org/icid_vision2030.pdf>..

C-PR&P Agenda Item 3: Publications brought out and under processing during period 2016-17

C-PR&P Agenda Item 3.1: Periodicals

4. During the year, fifty-two issues of ICID e-Bulletin, 12 issues of News Update, and 4 issues of ICID News were brought out by the Central Office. All the past issues of these periodicals are available on ICID website.
5. Annual Report 2016-17 has been brought out by the Central Office and is also posted on ICID website. Two print copies of the report were sent to all the National Committees along with one copy each for Office Bearers, International Organizations and Direct Members.

C-PR&P Agenda Item 3.2: Special Publications

6. Print version of the 'Abstract' volume of the 2nd World Irrigation Forum (WIF2) held in November 2016 at Chiang Mai has been brought out and the same is also made available at http://www.icid.org/wif2_abst_%20vol.pdf. Report of the 2nd World Irrigation Forum (WIF2) has been brought out and e-version is available at http://www.icid.org/wif2_report.pdf.

7. The Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST) is in the final stage of editing their book titled '*Historical Water Sustainability*' under the Chairmanship of Dr. Kamran Emami (Iran). Mr. Charles Abernethy (UK) had kindly accepted the invitation of the Chairman to edit the book. In February 2017, Chair Dr. Kamran Emami circulated thirteen chapters (draft) to identified members of the group for reviewing. It was proposed to finalize the book by end of the September 2017 so that it can be presented during the Mexico meeting. The Committee may like to discuss the possibility of publishing the book in hard or soft versions keeping in view the present scenario of the interest of the professionals. The Committee may discuss the issue and report to PCTA/ IEC.

C-PR&P Agenda Item 3.3: Publications by National Committees

8. During Chiang Mai meeting (2016), the Committee noted and insisted the National Committees to share their available literature/ s with ICID Central Office for including it in the ICID's Integrated Library Management System (ILMS) to achieve the goal of '*One-stop catalogue*'. In response, few NCs submitted their publications as shown in **Annex 2**. National Committees are encouraged to provide digital collection of available catalogue in prescribed database format for inclusion in the ILMS.

C-PR&P Agenda Item 4: Report on ICID Journal

9. During Chiang Mai meeting (2016), the Committee noted that the subscription cost of the Journal in 2017 will be US\$47 for 'online' and US\$ 56 for 'online + print' version and National Committees will be given the option to receive 10 online subscriptions or 5 online and 5 print subscriptions. The existing five year agreement with M/s Wiley will be ending in December 2018. Prof. Bart Schultz, Chair of EB-JOUR may apprise the Committee at the meeting.

C-PR&P Agenda Item 5: Knowledge dissemination using information and communication tools

10. WG-CDTE is reviewing a broader knowledge management strategy for ICID, under which it is proposed that a comprehensive approach on knowledge communication is needed to serve the diverse stakeholders of ICID and also NCs. ICID and NCs need to work closely to integrate the national and international knowledge resources on irrigation and drainage that can be disseminated through ICID web site, NC web site (in local language), as well as emerging social media including LinkedIn, Facebook, Tweeter, etc. ICID has already started using these new channels and in future, suitable content could be developed for different media platforms. NCs can also share their knowledge resources through emerging information and communication technologies (ICTs) to reach a much wider and diverse audience in agricultural water sector. Members may deliberate and advise.

C-PR&P Agenda Item 6: Review of the ICID Website

11. During Chiang Mai meeting (2016), the Committee reviewed the ICID website www.icid.org and noticed the continuing efforts to improve the website. It was also noted that a new feature "*Irrigation and Drainage Products and Services Directory*" was included in the website where companies and organizations were invited to submit information about their products and services related to irrigation and drainage. Since the listing in the Directory was provided free of cost, National Committees have been requested to share the information about this opportunity with organizations and companies in their countries and inspire them to make use of this platform.

C-PR&P Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016 Meetings

Sl. No.	Members	Member from	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Larry D. Stephens, Chairman (USA)	1992	•		•	•	
2.	PH Bart Schultz (The Netherlands)	2009	•		•	•	
3.	Ms. Anne Currey (Australia)	1998		•		•	
4.	Dr. Yingduo Yu (China)	2012	•		•		
5.	Mr. Oliver Taylor (UK)	2016				•	
6.	Ms. Sahar Norouzi (Iran)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
7.	Mr. Hiyam Raad Adwan (Iraq)	2016				•	
8.	Ms. Indica as Direct Member of WAPCOS Limited (India)	2016			•	•	
9.	Secretary General, ICID		# ¹		#		
Ex-officio Member							
	Mr. Satit Maneepai (Thailand)						



¹ # through representation

PUBLICATIONS BY NATIONAL COMMITTEES

1. IAL, Australia
Irrigation Australia, Winter 2017 (Vol.33, No.2)
2. China
News from China – Vol.29, No.6 (June 2017)
3. France
Techniques Sciences Methods, No.6 (2017)
4. KCID, Korea
Water Land and Envi. Engineering 2017, Vol.85, No.05
5. AARDO Newsletter, vol.31, No.2, October 2016
6. INBO – International Network of Basin Organization
7. Irrigazette International, July/ August 2017, No.161
8. World Bank, Vol.15 (No.5)



**AGENDA FOR THE 1ST MEETING OF THE
TASK FORCE FOR UPDATING AND MAINTENANCE OF
MULTILINGUAL TECHNICAL DICTIONARY (TF-MTD)**

10 October 2017, 13.30-15.00 hours
Mexico City, Mexico

Presented by the Chairman

Year of Establishment: 2015

Mandate: (a) to identify priority chapters and terms frequently referred/consulted by AWM professionals, (b) to consul/ 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

Members: (i) Chair of PCTA, Chairman, Chairs/nominee of (ii) WG IDM, (iii) WG-IOA, (iv) WG-SON-FARM, (v) WG-SDRG, (vi) WG-M&R, (vii) Representatives of FAO, (viii) Representative of IWMI, and (ix) Representative of ADB (x) Er. Avinash C. Tyagi, Secretary General, ICID

TF-MTD Agenda Item 1: Introduction of TF-MTD by the Chair

1. The Multilingual Technical Dictionary (MTD) of all technical terms related to irrigation, drainage, flood management, environment, river training and allied disciplines is a flagship publication of the ICID. First published in English and French languages in 1967, the 3rd and 4th edition (slightly modified) of the MTD (English-French) was brought out on CD-ROM in the year 2000 and 2002 respectively. Soon after the release of first edition in 1967, NCs felt the need to translate this useful dictionary into their own local languages also for the benefit of their national professionals working in that language. This was primarily the objective of naming the dictionary as 'multilingual'. Thus, with the commendable efforts of the NCs, MTD has been translated so far in 14 languages in the past, besides English and French. These national versions of the MTD were initially translated based on the first edition published in 1967. Some of the National Committees later also brought out their next translated editions in local languages based on the revisions.

2. Current 5th edition (2010) defines 9370 technical terms covered in 25 chapters. In this edition, in addition to English-French, the technical terms related to ICID activities were also included in four more languages i.e. Chinese, Japanese, Russian and Hindi (partially) which were made available by respective NCs. The MTD brings coherence in sharing and exchange of experiences and has proved to be highly useful for engineers, researchers, students, professionals, planners, designers, academics and all others related in the field of agriculture water management (AWM) with focus on irrigation and drainage. Any term definition can be printed/copied with option to download terms from ICID website. The key features of the dictionary include the followings:

<ul style="list-style-type: none"> • 9370 terms defined; • User-friendly interface; • Online up-date capability through download option; • Option for language selection; 	<ul style="list-style-type: none"> • 550 hyperlinked illustrations; • Search from keywords / chapters / topics / text • Option for printing/copying terms; and • Option to display English-French terms on single screen.
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3. Since MTD was last updated in 2010, the IEC vide Resolution 2/67 approved establishment of a Task Force for Updating and Maintenance of MTD (TF-MTD) with a view to update the dictionary keeping in view the latest technological developments and advances in the AWM sector which may include changes / modification and addition of new terms along with inclusion of pictures, links and videos related to respective term. Establishment of TF-MTD was notified by ICID notification 14 of 2017 dated 10 July 2017 with the following mandate:

- (a) to identify priority chapters and terms frequently referred/consulted by AWM professionals
- (b) to consul/ 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 Chair will introduce scope of activities of the TF-MTD to the members.

TF-MTD Agenda Item 2: Technical Dictionary on AWM of Other Organizations

4. AGROVOC, managed by FAO, is a controlled vocabulary covering all areas of interest of the Food and Agriculture Organization (FAO) of the United Nations, including food, nutrition, agriculture, fisheries, forestry, environment etc. It is published by FAO and edited by a community of experts. It has some irrigation and drainage terms in it. However, the number of such terms is significantly less when compared to more than 3000 such items contained in MTD. National Agricultural Library (NAL)-USDA also provides a listing of irrigation and drainage terms, and is linked with AGROVOC. Definitions of few selected terms as given in MTD and in AGROVOC are shown in **Annex 2**. It would be worth exploring the integration of MTD with AGROVOC to make it easily available for agricultural professionals and practitioners. TF will review relevance of similar dictionary work related to AWM of other agencies such as FAO, IWMI etc. to avoid duplicity and may like to invite professional organizations to collaborate in enriching chapters/terms, as appropriate.

TF-MTD Agenda Item 3: Process for updation of MTD

5. With the developments in web technologies, many specialized international organizations have brought out dictionaries of terms that are relevant to their areas of expertise. In that respect some of the chapters/terms that were earlier included in ICID MTD may not be relevant to the present situation as they do not fall within the expertise of ICID network of experts. **Peripheral topics may not be included in next edition as these are more relevant to other agencies or being available in other dictionaries.** It is therefore important that ICID concentrates and keeps its focus on irrigation and drainage terms. Accordingly MTD chapters have been categorised in three categories based on priority as shown in Table at **Annex** along with suggestion for most appropriate ICID wokbody who can undertake updation of MTD terms for that chapter.

6. TF may review the categorisation assigned to chapters according to its relevance to the core areas of irrigation and drainage as presented in table at **Annex 1** and suggest modifications required, if any so that workbodies can undertake activity of updation of MTD as per direction of TF. TF will also deliberate and advise on items which needs to be included as part of MTD such as pictorial and audio-visual descriptions, photos, hyperlinks to public domain information resources on a particular term etc.

TF-MTD Agenda Item 4: Translation of MTD in various local languages

7. Presently MTD is available in only few languages which include English, French, Chinese, Japanese, Russian and Hindi (one chapter only). TF will discuss and advise on modalities of translation of MTD in different languages and how to encourage NCs in preparation and building of additional translations.

TF-MTD Agenda Item 5: Dissemination and maintenance of MTD

8. TF will discuss and recommend the means of wider dissemination of MTD including making it accessible through web/mobile as well mechanism to maintenance and periodical updation of the MTD.

TF-MTD Agenda Item 6: Any other business



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-SDG)		(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)		



Comparison of MTD and AGROVOC Definitions of Selected Terms

Term	MTD	AGROVOC
Irrigation	4611: Water application confined in time and space, enabling to meet the water requirements of a crop at a given time of its vegetative cycle or to bring the soil to the desired moisture level outside the vegetative cycle. The irrigation of a field includes one or more watering per season.	c_3954: Application of water to soil for the purpose of plant production (USDA-NAL)
Flood	4103: 1 - A relatively high flow or stage in a river, markedly higher than the usual; also the inundation of low land that may result therefrom. A body of water, rising, swelling and overflowing the land not usually thus covered. 2 - A flood wave travelling down a river system as well as a storm surge (i.e. a tidal wave combined with wind setup and heavy wave attack). According to the sources of the excess waters, floods can be classified into at least five categories: (a) Floods caused by snow melting in mountainous regions resulting in excess water in the lower valley areas. (b) Floods caused by the onrush of surges due to cyclonic storms in the oceans together with sea waves. (c) Floods caused by heavy rainfalls in excess of the conveyance capacities of rivers and other natural and man-made drainage channels. (d) Floods caused by ice jams, glacial debris, landslide debris dams and ice breakings in the upper reaches of rivers generally known as spring floods. (e) Floods caused by failure of man-made structures like dams, barrages, levees, and control structures.	c_2980: A general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland and/or tidal waters, and/or the unusual and rapid accumulation or runoff of surface waters from any source. A great flow along a watercourse or a flow causing inundation of lands not normally covered by water. (General Multilingual Environmental Thesaurus - EIONET)
Drainage	5033: 1 - The removal of excess surface and groundwater from any area. May occur naturally or by virtue of man-made surface or subsurface conduits; also a system of such conduits. 2 - The mode or manner in which surface waters find their way into streams and rivers. 3 - The natural lines of depressions in an area through which storm water escapes to rivers and streams. 4 - The percolation of soil water below the root zone. 5 - An expression of the ease with which excess water can flow naturally from a soil or land surface, as `well drained` or `poorly drained`.	c_2372: Drainage is the natural or artificial removal of surface and sub-surface water from an area. The internal drainage of most agricultural soils is good enough to prevent severe waterlogging (anaerobic conditions that harm root growth), but many soils need artificial drainage to improve production or to manage water supplies. (DBpedia)
Canal	2993: A manmade or artificial channel for carrying water that can be used for navigation purposes, or for conveying water for irrigation, domestic or industrial purposes, etc.	c_26763: An artificial open waterway used for transportation, waterpower, or irrigation. (General Multilingual Environmental Thesaurus – EIONET)
Reservoir	1261: A body of water impounded by human activity.	c_8324: Artificial or natural area of water, used for storing water for domestic or industrial use. (General Multilingual Environmental Thesaurus – EIONET)
Weir	2245: 1 - A low dam or wall across a stream to raise the upstream level (illustrated). Termed `fixed-crest weir` or `ungated weir` when uncontrolled. 2 - A structure built across a stream or channel for the purpose of measuring flow. Sometimes described as `measuring weir` or `gauging weir`. Types of measuring weir include `broad crested`, `sharp crested`, `drowned`, or `submerged` and `free fall weir`. 3 - See 5442.	c_8352: No Link to English Definition
Wastewater	7338: Water carrying dissolved or suspended solids from homes, farms, businesses and industries.	c_8308: Wastewater, also written as waste water, is any water that has been adversely affected in quality by anthropogenic influence. Wastewater can originate from a combination of domestic, industrial, commercial or agricultural activities, surface runoff or stormwater, and from sewer inflow or infiltration. (DBpedia)

Term	MTD	AGROVOC
Soil	1585: The soil is a natural body of mineral and organic constituents, differentiated into horizons, of variable depth, which differs from the material below in morphology, physical make-up, chemical properties and composition, and biological characteristics. In agricultural soil science, the term soil is applied only to the thin upper part of the mantle rock penetrated by the roots of plants, which supplies them with water and other substances necessary for their existence. In civil engineering, soil includes all the loose or moderately cohesive deposits, such as gravels, sands, silts or clays, or any of their mixtures.	c_7156: Upper layer of the earth in which plants grow; for the different soils in a region, country, etc. use <7204>
Pond	1272: A small lake.	c_6105: No Link to English Definition
Crop	No definition as such.	c_1972: All useful plants, cultivated or not.

General Remarks: As can be seen from the above comparison, there are no exact matches between MTD and AGROVOC definitions for the selected higher level terms of the knowledge domain. It should also be noted that while MTD has been developed from scratch over a significantly long period, AGROVOC provides direct definition (as Scope Note for the term) for very few terms and relies heavily on other multi-lingual dictionaries and thesaurus.



**AGENDA FOR THE 6TH MEETING OF THE
TASK FORCE ON VALUE ENGINEERING (TF-VE)**

11 October 2017: 13:30-15:00 hours (Session-I)
11 October 2017: 15:30-17:00 hours (Session-II)
Mexico City, Mexico

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2012

Extended completion of the Mandate: 2017

Mandate: The objective of the Task Force (TF) would be to promote the application of Value Methodology (Value Engineering, Value Analysis, Value Planning, Value Management and Value Engineering Change Proposal (VECP) in irrigation, drainage and flood management projects to increase benefits, reduce cost and ensure sustainable irrigated agriculture.

Terms of Reference (ToR)

- (1) Develop a Website on application of Value Engineering in Irrigation and Drainage projects
- (2) Produce a Documentary on application of Value Engineering in Irrigation and Drainage projects
- (3) Organize workshops and seminars on application of Value Engineering in Irrigation and Drainage projects
- (4) Prepare a Manual on application of Value Engineering in Irrigation and Drainage projects

Website: <http://tf-ve.icidonline.org/>

TF-VE Agenda Item 1: Action Taken Report by Chair

1. The Chair will present report on the actions taken on the decisions and proposals of the task force at its last meeting held at Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. Mr. Abijit Joshi and Mr. Yeolkar (Jain Irrigation Systems Limited) have not contributed to the activities of the TF during last two years so their membership has been discontinued. 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 (refer electronic version for latest list)**. New nominations, if any, for the membership received will be dealt suitably after the meeting.

TF-VE Agenda Item 2: Publication of the TF-VE

3. At Chiang Mai (2016) meeting, it was decided that TF would bring out a manual on 'Application of Value Engineering in Irrigation and Flood Projects' which would include case studies contributed by the members of the TF. Accordingly members from Afghanistan, Iran, Japan, and Malaysia agreed to contribute five (5) case studies each on application of value engineering in irrigation and drainage projects in their respective countries. Matter was also followed up by the ICID CO with TF members to contribute case studies to TF Chair. Chair will brief about the status of finalisation of the draft of the manual during the meeting of the TF.

TF-VE Agenda Item 3: Dissemination of information- Website

4. Four presentations i.e. Application of VE in irrigation and flood projects; Challenges of application of VE in irrigation projects in Japan; Value Engineering of surface water project; and Value Engineering in federal highways in U.S. were made by members of TF during the the internal workshop held during TF meeting at Chiang Mai, which have been uploaded on the TF website (<http://tf-ve.icidonline.org/>). During the Chiang Mai meeting, 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. In order to ensure regular contribution of the members, TF is encouraged to make use of WebEx platform for virtual meetings in between face to face meeting during IEC.

TF-VE Agenda Item 4: Closure report of TF and Scoping Document for a new WG

5. The tenure of the TF was up to 2016. During Chiang Mai meeting, PCTA agreed in principle to the recommendation of WG for formation of the new WG on Value Engineering and suggested TF Chair to prepare a scoping document with the revised mandate for the new Working Group on Value Engineering. TF Chair

was also requested to prepare a closure report of the TF giving brief description of how its intended objectives and mandates have been achieved, including conclusions and recommendations and way forward. TF Chair will present closure report of the task force and a scoping document of the WG for discussion during the next meeting to be held in October 2017 at Mexico City, Mexico.

TF-VE Agenda Item 5: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Attendance of members in 2015 and 2016

Sl. No.	Members	Member From (Year)	2015		2016		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			•		
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.	Mr. Abijit Joshi (Direct Member), JISL	2015					Discontinued No contribution during last two years as Provisional Member.
8.	Mr. Yeolkar (Direct Member) JISL	2015					Discontinued No contribution during last two years as Provisional Member.
9.	Dr. Vijay K. Labhsetwar, Director, ICID Central Office	2012					



APPENDIX XXIII [PCTA Item 8.7]

**AGENDA FOR THE 2ND MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO 8TH WORLD WATER FORUM (TF-WWF8)**

10 October 2017, 13.30-15.00 hours
Mexico City, Mexico

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 Chair

1. The Chair will present the report on the actions taken on the decisions and proposals made by the Task Force at its last meeting held at Chiang Mai in November 2016.
2. As suggested by the Task Force during Chiang Mai meeting, the Central Office followed-up and invited nominations from CNCID, USCID, World Bank, FAO, and IWMI to serve on the TF. In response, Chinese National Committee (CNCID) has nominated Dr. Ding Kunlun while the World Bank has nominated Mr. Ijsbrand H. de Jong for the membership of the Task Force. Chairman in consultation with the Central Office has updated the membership of the task force as given at **Annex** (*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: Implementation of roadmap (IR) and inputs to 8th WWF

3. As part of Implementation Roadmap (IR), in February 2017, VPH Shinsuke Ota (Japan) updated and provided the Progress Report of Theme 2.1 "Water for Food" of 7th World Water Forum. National Committees of Japan and Turkey/ DSI have updated the Progress Report as part of their commitment towards Theme 2.1. The updated/ modified report can be accessed or downloaded from <http://www.icid.org/tf_wwf8_report.pdf>. Lucie Pluschke, Water –Energy- Food Nexus Officer, Land and Water Division (FAO) circulated the third Progress Report on Implementation Roadmaps of the 7th WWF. VPH Shinsuke Ota/ Chair may provide further updates at the meeting.

TF-WWF8 Agenda Item 3: Liaison with Brazilian National Committee (ABID) for preparatory work of 8th World Water Forum

4. During Chiang Mai meeting (2016), the Chairman stressed the important role of Brazilian National Committee (ABID) towards preparatory work for the 8th World Water Forum (WWF8) and their support to ICID for liaison with the Forum Organizing Committee in Brasilia. The TF further noted the willingness of Mexican National Committee (MXCID) to facilitate the discussions and to solicit inputs of experts in water for food security from Latin America. In March 2017, the Central Office followed-up with the Brazilian National Committee (ABID) & Mexican National Committee (MXCID) and requested to organize an 'Americas Session' during the 68th IEC by inviting experts/ professionals from irrigation and drainage sectors in Latin America. Accordingly, Mexican National Committee (MXCID) is organizing a half-day meeting of American Regional Working Group (AMRWG) on 11 October 2017 to bring all concerned stakeholders of the region together to brainstorm and evolve a mandate for the AMRWG. Members of the task force are requested to participate in the above session/ meeting and contribute fruitfully.

5. On behalf of ICID, Mr. Helvecio and Mr. Paulo from Brazilian National Committee (ABID) together with Mr. Masao Miyazaki and Mr. Fumihiko Onodera (Japan) participated in the Second Stakeholder Consultation meeting of WWF8 held in April 2017 in Brazil. Mr. Helvecio / Mr. Paulo (ABID) or Mr. Masao Miyazaki / Mr. Fumihiko Onodera (Japan) may apprise the meeting.

TF-WWF8 Agenda Item 4: Identify areas for ICID contributions to the Forum - Update

6. As decided during Chiang Mai meeting (2016), on behalf of FAO, ICID and IWMI, Dr. Olcay Unver, Director of the Water and Land Division of FAO has submitted the 'Expression of Interest Form' on the joint coordination of the topic 'Water for Food Security' under the theme "Development – Water for Sustainable Development" to the Organizing Committee of the WWF8. In December 2016, the Japanese National Committee (JNCID) has also informed that Overseas Land Improvement Cooperation Office, Ministry of Agriculture (Japan) / International Network for Water and Eco-systems in Paddy Fields (INWEPF) has submitted their Expression of Interest to WWF8.

7. In February 2017, Chair PH Chandra Madramootoo suggested to organize a session by ICID under topic Water for Food (IR2.1) under the Theme – Water for Sustainable Development. In this regard, in March 2017 the Central Office identified the topics that may be of interest to the ICID workbodies and invited the Chairs of WG-CAFM, WG-CLIMATE, WG-CROP, WG-M&R, WG-IDM, WG-PQW, and WG-IOA for participating in the relevant sessions or organizing a session in partnership with other organizations during WWF8 in March 2018.

8. The World Water Council (WWC) organized its 60th Board of Governors (BoG) meeting from 25-26 November 2016 at Marseille, France wherein Mr. Avinash C. Tyagi, Secretary General, ICID and Mr. Ali Reza Salamat (Iran), member of TF-WWF8, participated. On the occasion of 20 years of WWC, during the BoG meeting, the World Water System Heritage (WSH) Program, was launched and the BoG was informed of the progress. It was suggested that the events during WIF and WWF should be used to award recognition to WSH systems. Mr. Avinash C. Tyagi / Mr. Ali Reza Salamat may apprise the meeting.

TF-WWF8 Agenda Item 5: Brief report of 2nd Stakeholder Consultation Meeting, 26-28 April 2017, Brazil

9. A two-day Second Stakeholder Consultation Meeting of the 8th World Water Forum (WWF8) was held from 26-27 April 2017 at Brasilia, Brazil. Mr. Masao Miyazaki, Secretary General of Japanese National Committee of ICID (JNCID), Mr. Fumihiko Onodera (Japan) and Dr. Paulo Romano, representative from Brazil National Committee (ABID) represented ICID during the Forum. This event was part of the preparatory process of the 8th World Water Forum on the theme "Sharing Water" which will be held from 18-23 March 2018 at Brazil.

10. During the meeting, Mr. Masao Miyazaki drew the attention of the members under the topic 'Water for Food' on the following issues: (a) Soil and water conservation practices in watersheds for food production; (b) Integrated surface and groundwater governance for food production; and (c) Building resilience in agricultural system to cope with climate extremes (flood and drought). He also informed that under each topic there would be three sessions as against five sessions during WWF7. Representative from Brazil/ Japan will provide further updates at the meeting.

TF-WWF8 Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

TASK FORCE TO GUIDE ICID INPUTS TO 8th WORLD WATER FORUM (TF-WWF8)

A. Attendance of member at 2016 meeting

Sr. No.	Members	Member from	2016		Remarks
			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	VP 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			Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
14	Er. Avinash C. Tyagi, Secretary General, ICID – Member Secretary	2015			

B. New nominations received for the Task Force

SI. No.	Name	Country/ Organization	Remarks
(1)	Vice President Dr. Ding Kurlun	China	Recommended by Chair subject to his presence or else Provisional Member
(2)	Mr. Ijsbrand H. de Jong	World Bank	Recommended by Chair subject to his presence



**AGENDA FOR THE 22ND MEETING OF THE
WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**

11 October 2017, 13.30-15.00 hours (Session I)

11 October 2017, 15.30-17.00 hours (Session II)

Mexico City, Mexico

Strategy Theme: On-Farm

Presented by the Chair

Year of Establishment: 1995

Extended completion of the Mandate: 2017

Mandate: To promote a safe and good management of poor quality water for irrigation, to minimize the negative impact on human health and the environment, to promote the multiple use of poor quality water, and to give consideration to the institutional and legislation aspects with regard to the use of poor quality waters.

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

WG-PQW Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016. The scoping document for the new 'Working Group on Non-Conventional Water Resources' is being prepared.

2. The existing 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. Dr. Seung Heon Lee (Korea, Rep. of) and Dr. Anna Tedeschi (Italy) have expressed their desire to join the group.

WG-PQW Agenda Item 2: Road Map to ICID Vision 2030 - Activities on use of poor quality water for irrigation

3. In view of low attendance and in absence of Chair VPH Dr. Samia El Guindy (Egypt) at the Chiang Mai meeting (2016), the group deferred the discussion on the Action Plan 2030 until Mexico Meeting in 2017. Members felt that a good number of participants/members were required before deciding on specific milestones and deliverables.

4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030" given in **Annex 2**. The group will discuss the action plan and initiate actions on the activities proposed for the WG.

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

5. The publication of a Technical Paper of the WG has been pending since a long time and so far, only two papers have been received viz. from Japan and Italy, while three more papers from Dr. Tapas Biswas (Australia), Dr. Bernard Vincent (France) and Prof. Leon van Rensburg (South Africa) are awaited. The Chairperson may apprise the members.

WG-PQW Agenda Item 4: Exchange of information, knowledge & networking - Website

6. During Chiang Mai meeting (2016), VPH Dr. Ragab demonstrated the SALTMED - a distant learning course (the links of the model are available at <http://wg-pqw.icidonline.org/>). Dr. Wenyong Wu (China) made an interesting presentation on the "Use of brackish ground water for irrigation in China" which is now available on the WG Website. The website of the working group has been updated with the new membership, agenda, minutes, links, report, etc. In February 2017, the Central invited all members of the group to access the above website and provide their comments along with interesting articles/ reports. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-PQW Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

7. The group discussed the updation of the Multilingual Technical Dictionary (MTD) that fall within the scope of the group during the Chiang Mai meeting (2016). The group proposed Dr. Takanori Nagano from Japan to act as a focal point between the group and ICID task force on MTD to look into the part of MTD that was relevant to WG and suggest/ amend terminology in consultation with the WG members. Dr. Nagano may apprise the members.

WG-PQW Agenda Item 6: Country presentations by members

8. Dr. Wenyong Wu from China would be making a presentation on “Behavior and risks of organic pollutants in reclaimed water irrigation” during the meeting.

WG-PQW Agenda Item 7: Special Session on Wastewater, Mexico, October 2017

9. During the 23rd Congress, the Mexican National Committee (MXCID) organized a Special Session on “*Irrigation techniques for reuse of wastewater in agriculture and its impact on health and environment*” on 10 October 2017. The Chair or Mr Jamie Collado (MXCID) may provide a brief report of the Session at the meeting.

WG-PQW Agenda Item 8: Closure report and Scoping Document of the Working Group

10. After discussions and seeing the on-going process of WG publication, the group requested PCTA for extension of tenure and defer the scoping document submission until Mexico. In absence of the Chair VPH Dr. Samia El-Guindy at the Chiang Mai meeting (2016), the group discussed and decided that a scoping document be prepared and circulated among members before Mexico meeting in 2017. The WG also discussed the changing of the name of the group to “Non-Conventional Water Resources” instead of “Poor Quality Water for Irrigation” in the scoping document to be prepared. As per Resolution IEC-2/67, the Council has extended the tenure of the group for one year i.e. upto 2017 with the suggestion to prepare the Scoping Document and submit it at the Mexico meeting.

11. The Chair may apprise the members and present the closure report and the Scoping Document of the group to PCTA at the meeting.

WG-PQW Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Attendance of Members at 2015 and 2016 Meetings

Sl. No.	Members	Member from	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Samia El- Guindy, Chair, 2011 (Egypt)	1999	•	•			
2.	VPH Dr. R. Ragab (UK)	1997		•	•	•	
3.	VPH Dr. Karim Shiasi (Iran)	1997	•			•	
4.	Prof. Leon van Rensburg (South Africa)	2010	•				
5.	Dr. Takanori Nagano (Japan)	2011	•		•		
6.	Dr. Tapas Kumar Biswas (Australia)	2012		•			
7.	Dr. Wenyong Wu (China)	2016			•		
	Permanent Observers						
(i)	FAO representative						
(ii)	ICBA representative (UAE)						



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	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 2ND MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

12 October 2017, 09.00-10.30 hours (Session I)

12 October 2017, 11.00-12.30 hours (Session II)

Mexico City, Mexico

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

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 Chair

1. The Chair will present report on the actions taken on the decisions taken during the First Meeting of the WG held at Chiang Mai in November 2016.
2. No new nominations have been received from 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-SON-FARM Agenda Item 2: Road Map to ICID Vision 2030 - Activities on sustainable on-farm irrigation

3. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-SON-FARM as presented in CG report is given as **Annex 2**. The Chair and Secretary of WG-SON-FARM will outline the actions to be initiated on activities related to sustainable on-farm irrigation as identified in the Action Plan to achieve the Organizational Goals as part of ICID Action Plan for Vision 2030.
4. As per the work plan prepared by the WG, it was proposed to prepare country papers, how-to-do thematic document and position papers on key issues as well as hosting workshops and Micro Irrigation Conferences. The group has proposed to organize an internal workshop during the Mexico meeting in 2017 (*refer item 7 for more information*).

WG-SON-FARM Agenda Item 3: Collection and collation of micro and sprinkler data

5. As suggested by the group at Chiang Mai meeting, in January 2017 the Central Office sent the existing questionnaire "Survey of world-wide usage of sprinkler and micro irrigation" to Dr. A.K. Randev/ VPH Felix Reinders for revision/ modification, if any. Chair Dr. Randev will provide further updates at the meeting.
6. The Chair will update the members in terms of the data received from National Committees on micro and sprinkler irrigation. The updated table of total micro and sprinkler area in descending order is available at <<http://www.icid.org/sprinklerandmicro.pdf>>. Members are encouraged to access the website and provide the latest information in respect of their countries every year (*refer 'Activity 4.20 Database on sprinkler and micro irrigation in the world' of Goal C of Annex 2*).

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. During the First Meeting at Chiang Mai, the WG had agreed to submit to ICID an article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control Measuring and Application Devices” for publication. In January 2017, the Central Office followed-up the matter with VPH Felix Reinders with a request to expedite the finalization of the article. VPH Felix Reinders/ WG Chair Dr. Randev will provide further updates at the meeting.

WG-SON-FARM Agenda Item 4.2: Paper on “Micro irrigation for smallholders and greenhouses”

8. WG during Chiang Mai meeting decided to finalise and send a paper on “Micro irrigation for smallholders and greenhouses” to ICID by end of 2016 for publication. ICID CO has not received paper so far. Chair will provide further updates during the meeting.

9. During Chiang Mai meeting, Dr. Hossein Dehghani Sanij from Iran had volunteered to prepare a paper on “Micro irrigation under saline conditions” as part of the Action Plan 2030. The Central Office followed-up matter with the Dr. Dehghani Sanij and requested to send the draft version of the paper. Chair/ Dr Hossein is requested to apprise further status on finalization of the above paper during the meeting.

WG-SON-FARM Agenda Item 5: Dissemination of activities of WG

WG-SON-FARM Agenda Item 5.1: Web site of the group

10. The Chair requested all members to participate actively in all the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments, methods and innovative on-farm management practices. Members are encouraged to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. The Chair will facilitate discussion with the members to evolve methodology for sharing of information, timely updating the WG website, and encouraging full use of WebEx platform for virtual meetings in between face to face meeting during IEC so that regular contribution of the WG members can be ensured.

WG-SON-FARM Agenda Item 5.2: Webinar/ Web based seminar

11. On 1 March 2017, President Dr Nairizi inaugurated the ICID Webinar Services. The first Webinar in the series on “Efficient Irrigation by Applying a Water Balance Approach” was delivered by Vice President Hon. Felix Reinders with Dr. Chris Perry (UK) joining as a Panellist. The recording of the Webinar is available on ICID website at http://www.icid.org/icid_webinar_1.html. More than 80 participants joined webinar and actively participated in question and answer session. WG will discuss and suggest 5-6 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.

WG-SON-FARM Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

12. During Chiang Mai meeting, the group discussed and nominated Chair, Vice Chair and Secretary for the management and to review the terms related to the activities of the group. To achieve this goal, it was agreed that they would undertake the review of the concerned terms depending on their domain of expertise and will suggest changes / modification and addition of new terms, if any along with contributing pictures, links and videos related to respective term.

13. In January 2017, the Central Office requested members of the group to look at the terminology and improve it wherever necessary in consultation with the Chair/ Secretary of the group. In response, Chair Dr. Randev and Vice Chair Mr. Carl Walters informed that they have been facing some difficulties in updating the terms related to the MTD. The Vice-Chair will brief the members regarding the status of the review of the terms of MTD. He will outline the challenges in the process of updating/ modifications of the MTD and members will deliberate on the way forward for reviewing and updatation of MTD.

14. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report

progress of its activities to IEC through PCTA. The group may discuss the issue and nominate a professional for the TF-MTD at the meeting.

WG-SON-FARM Agenda Item 7: Internal workshop on “Sustainable On-farm Irrigation Systems for Higher Crops’ Productivity”, October 2017

15. As part of Action Plan 2030 (*refer ‘Activity 3.9 Organize international workshop, seminar or symposium’ of Goal C of Annex 2*), the group is organizing an internal workshop on the theme “Sustainable on-farm irrigation systems for higher crops’ productivity” during the WG meeting in October 2017. The main objective of the workshop is to discuss and share the experiences and knowledge on on-farm irrigation. In February 2017, the Central Office in consultation with the Chair, Vice Chair and Secretary circulated the ‘Call for papers’ to all members of the group for contributing abstract/ papers for the internal workshop.

16. In June 2017, Secretary Mr. Suman Sijapati informed that four abstracts have been received for the internal workshop. In July 2017, Vice Chair Carl Walters also submitted the full paper titled “Saving water in Northern Victoria, Australia: Farm Water Program – Objectives, Learning and Successes” for the workshop. The Secretary will brief the meeting regarding the internal workshop. The status of all the papers received and the schedule of the program will be shared with the members.

WG-SON-FARM Agenda Item 8: Updates on 9th International Micro Irrigation Conference, January 2019, Aurangabad, India

17. During the first meeting at Chiang Mai in November 2016, INCSW representative made a presentation on the 9th International Micro Irrigation Conference (IMIC). The group noted and supported the organization of 9th International Micro Irrigation Conference by INCSW in January 2019 at Aurangabad, India (*refer ‘Activity 3.9 Organize international workshop, seminar or symposium’ of Goal C of Annex 2*). In January 2017, the Central Office circulated the themes and sub-themes to all members for inviting their comments/ suggestions. INCSW representative/ Chair will provide further progress of IMIC 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 Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members of the working group at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		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.	VPH Jose A. Ortiz (Spain)	2015		•			
5.	Dr. Graziano Ghinassi (Italy)	2015	•			•	
6.	Mr. Hassan Shantia (Iran)	2015					One nomination per NC ¹
7.	Dr. Abraham Mehari Haile (The Netherlands)	2015		•			
8.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015				•	
9.	Dr. Akira Iwamoto (Japan)	2015	•		•		
10.	Dr. Chen, Ching-Tien (Chinese Taipei)	2015	•		•	•	
11.	Dr. Dickson Ahagbuje (Nigeria)	2015		•			
12.	Mr. Bashu Dev Lohanee (Nepal)	2015	•		•	•	One nomination per NC
13.	Dr. Hossein Dehghani Sanij (Iran)	2015	•		•		
14.	Mr. Muhammad Tahir Anwar (Pakistan)	2015					Discontinued No contribution during last two years.
15.	Mr. S.P. Jadhav (Direct Member), JISL (India)	2015				•	
16.	Mr. Siboniso Phillip Mkhaliphi (South Africa)	2015					Discontinued No contribution during last two years.
17.	Mr. Ömer Faruk Akbulut (Turkey)	2015			•	•	
18.	Mr. Yao Bin (China)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
19.	Dr. Zhang Guohua, Young Professional (China)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution

¹ Only one nomination per NC is allowed and other may be Young Professional

Sl. No.	Members	Member from (Year)	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
20.	Prof. Chang Eon Park (Korea, Rep. of)	2016				•	
21.	Eng. S. Mohanarajah (Sri Lanka)	2016				•	
22.	Mr. Suhad Jassim Obeed (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
23.	Mr. Hussein Shanan Abid Al-Hussein, Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
24.	Secretary General, ICID						
	Observers/ Permanent Observers						
(i)	Mr. Sher Singh (India)						Observer No contribution since Chiang Mai so recommended for discontinuation
(ii)	Mr. M.S. Sudhakar (Direct Member), JISL (India)						Observer No contribution since Chiang Mai so recommended for discontinuation
(iii)	Mr. Abijit Joshi (Direct Member), JISL (India)						Observer No contribution since Chiang Mai so recommended for discontinuation
(iv)	Dr. Jano Anter (Germany)						No contribution since Montpellier so recommended for discontinuation
(v)	Mr. Bruno Molle (ISO)						
(vi)	FAO Representative						



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							
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)

**AGENDA FOR THE 10TH MEETING OF THE
WORKING GROUP ON WATER AND CROPS (WG-WATER & CROP)**

12 October 2017, 13:30-15:00 hours (Session-I)

12 October 2017, 15:30-17:00 hours (Session-II)

Mexico City, Mexico

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 Chair

1. The Chair will present a report on the actions taken on the decisions and proposals made at its last meeting held at Chiang Mai in November 2016.
2. The Provisional Members from Egypt (Dr. Magdi T. Abdelhamid); Iran (Dr. Nader Heydari); Dr. Wu Di (China); and Iraq (Ir. Abbas Fadhei Mohammed & Ir. Shatha Salim Maged) have not contributed to the activities of the WG. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. The Korean National Committee on Irrigation and Drainage (KCID) has nominated Prof. Won-Ho Nam (Korea) for the membership of the WG. The existing 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.

WG-W&C Agenda Item 2: Road Map to ICID Vision 2030: Activities on efficient use of water in crop production

3. During Chiang Mai meeting (2016), the Chair discussed the draft Action Plan 2030 of the WG and identified that **Goal 1:** Enable higher crop productivity with less water and energy (*1.1 Develop guidelines on efficient use of water in crop production*) is relevant to the activities of WG-WATER & CROP. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalized Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-WATER & CROP as presented in CG report is given as **Annex 2**.
4. The Group will discuss the activities in the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve the outcome.

WG-W&C Agenda Item 3: Multi-functionality of water use in paddy (Rice) cultivation

5. During Chiang Mai meeting (2016), the Chairman of the WG informed that the Working Group will bring out 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.
6. While National Committees (NCs) of China, Indonesia and Philippines contributed their papers for the 'Technical Report', papers from Korea, Thailand and Taiwan were awaited. The reports from Dr. K.Y. Reddy (India), Dr. Graziano Ghinassi (Italy) and Dr. Leon van Rensburg (South Africa) are also awaited. The Chairman may apprise the members on further progress during the meeting.

WG-W&C Agenda Item 4: Publications of the Working Group

7. The WG proposed to publish selected best papers from the past WG organised International Workshops in 2013 (Turkey) & 2015 (France) in the Special Issue of IRD Journal. The WG may establish a 'Review Committee' within the WG for peer reviewing and selection of papers. The Chairman may apprise the WG members.

WG-W&C Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

8. The group discussed (2016) the updation of the MTD and nominated Dr. P. Soman (India) as a nodal person to undertake the task. Dr. Soman/Chair may like to update the WG members.

9. Further, as per Resolution IEC-2/67 (67th IEC at Chiang Mai on 12 November 2016), the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chairs or representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives from FAO, IWMI, ADB as its members. ICID has since notified the establishment of TF-MTD vide notification 14 of 2017 dated 10 July 2017. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. Mr. Soman or a representative of the WG may give feedback to Dr. Ding Kunlun, Chair of TF-MTD prior to PCTA meeting.

WG-W&C Agenda Item 6: Issues related with Water-Energy-Food-Nexus

WG-W&C Agenda Item 6.1: International Workshop in August 2018 at Saskatoon, Canada

10. The WG proposed (2016) to organise an International Workshop/Seminar titled “Improving the Water Use Efficiency within the Water-Energy-Food-Nexus” during the 69th International Executive Council (IEC) meeting and International Conference in August 2018 at Saskatoon, Canada. Since one of the topics under one of the sub-themes of the conference is exactly on the same subject, it is proposed to engage the group members with this sub-theme in consultation with Canadian National Committee. The Chair may like to discuss the issue with the members of the Group.

WG-W&C Agenda Item 6.2: ICID-IWRA Collaboration

11. The XVI World Water Congress on the theme “Bridging: Science and Policy” was jointly organised by the International Resource Association (IWRA), the National Water Commission of Mexico (CONAGUA) and the National Association of Water and Sanitation Utilities (ANEAS) during 29th May to 3rd June 2017 at Cancun, Mexico. Dr. Saeed Nairizi, President of ICID was a Speaker at the High-Level Panel on ‘Water-Energy-Food Nexus’ held on 1st June 2017. The Panel focused on the Sustainable Development Goals related to Water Energy, and Food (SDGs 2, 6, and 7). ICID and IWRA acknowledged their mutual interests in closely working together on the ‘Water-Energy-Food Nexus’. A Memorandum of Understanding (MoU) was signed between ICID and IWRA during the IWRA Congress, with the objective to develop strategies for ensuring water and food security duly recognizing the importance of the Water-Energy-Food Nexus. The group may like to discuss as how to proceed with the joint activities with IWRA on the subject.

WG-W&C Agenda Item 7: Dissemination of activities of WG

WG-W&C Agenda Item 7.1: Website of the Group

12. The website of the WG at <http://wg-crop.icidonline.org/> has been updated with the new membership, agenda, minutes, presentations, and publications. The members of the Group are requested to provide interesting articles/papers/ presentations/ documents related to the mandate of the group for uploading on the ICID website.

13. During Chiang Mai meeting (2016), VPH Dr. Ragab demonstrated the SALTMED, a part of Water4Crops project online distant learning course (the links of the model are available at WG website <http://wg-crop.icidonline.org/> and Forum website www.saltmed.createaforum.com).

14. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-W&C Agenda Item 7.2: Web-based Seminar/e-discussions

15. The Web-based seminars/ e- discussions have been initiated in ICID. So far, 6 webinars and 5 e-discussions on various topics of interest have been organized in 2017. Making use of the platform, the WG may discuss and propose the relevant topics based on the mandate of the WG and vast expertise available within the WG, for the webinars/e-discussion along with identifying the relevant professionals/experts for the task i.e. develop a ‘Concept Note’ and actually conduct the webinars/e-discussion in 2018.

16. For discussions among the members during the year, ICID provides the free platform of webEx online meetings. Several other WGs are successfully using the WebEx online meetings platform.

WG-W&C Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

A. Members and their attendance at 2015 and 2016 Meetings

Sl. No.	Members	Member from (Year)	2015		2016		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	•				
5.	Dr. Magdi T. Abdelhamid (Egypt), Provisional Member	2011	-		-		Provisional member No contribution since 2014. Recommended for discontinuation after Mexico meeting if no contribution
6.	Mrs. Gao Hong (China)	2012	•				
7.	Dr. Marco Arcieri (Italy)	2014	•	•	•		
8.	Prof. Dr. Allah Bakhsh (Pakistan)	2015	•				
9.	Ir. Adang Saf Ahmad (Indonesia)	2015			•		
10.	Dr. P. Soman (Direct Member), JISL	2015			•		
11.	Dr. Nader Heydari (Iran), Provisional Member	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
12.	Dr. Wu Di (China), Provisional Member	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
13.	Ir. Abbas Fadhel Mohammed (Iraq), Provisional member	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
14.	Ir. Shatha Salim Maged (Iraq), Provisional Member	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
15.	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	•		•		Accepted as an Observer

B. New Nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1.	Prof. Won-Ho, Nam	Korea	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	Milestone for Year 2021
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	
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	
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C3: Promoting Regional Cooperation	3.2 International Workshop/seminar on 'Improving Water Use Efficiency in the frame work of Water Energy Food Nexus'	Workshop proceedings	Announcement of workshop	Orgnaising Workshop in Canada	Publication of papers in the Special Issue of the Journal		
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	
Goal E: Encourage research and support development of tools to extend innovation into field practices							
Strategy E2: Strengthening Extension Services with AWM information							
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		
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		

(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
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

11 October 2017, 13.30-15.00 hours (Session I)

11 October 2017, 15.30-17.00 hours (Session II)

Mexico City, Mexico

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).

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

WG-IDM Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016.
2. Egyptian National Committee (ENCID) has nominated Eng. Mohammed Omar Makram Afify – as Young Professional for the membership of the group. The members from Iran (Mr. Mohammad Kazem Siahi) and Provisional members from Iraq have not contributed to the activities of the WG so 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.

WG-IDM Agenda Item 2: Road Map to ICID Vision 2030 - Activities on irrigation development and management

3. The group reviewed the Action Plan 2030 and updated/ modified it keeping in view the revised scope/ mandate of the WG and the duration of the WG. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received up to March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-IDM as presented in CG report is given as **Annex 2**. WG will discuss activities of action plan, review and update milestones and initiate required actions to achieve proposed outcomes.
4. During Chiang Mai meeting, the group decided to focus on the approach of water balance in irrigation, with the objective to develop appropriate guidelines in this respect. The group also decided to address the issues and challenge related to ensuring success of relevant and efficient water management in irrigation on a system level (i.e. drivers and resistances, social issues, management of multi-use systems, technical and economical performance).
5. In May 2017, Chair Mary Jean Gabriel has informed that South Africa has successfully organized the Southern African Region Irrigation Association workshop in March 2017 where the representatives from the Southern African Development Community also participated. During the workshop, Chair Ms Gabriel has requested them to consider the water balance approach in the long term planning in their respective countries and also requested for the reports so that some of the information may be used for the development of the guidelines. Chair will provide further updates about preparation of the guidelines at the meeting.

WG-IDM Agenda Item 3: Presentation by the working group members

6. WG Chair requested members to share their knowledge and experience related to mandate of the WG through presentations during the Mexico meeting. Accordingly, in May 2017, the Central Office invited all

members to come forward to make presentation at the Mexico meeting in consultation with the Chair. In July 2017, WG Chair informed that the following presentations are proposed at the Mexico meeting:

- (a) Irrigation management activities in Turkey by Vice Chair Mr. Ahmed Seren (Turkey)
- (b) Irrigation development and management in Japan by Secretary Dr. Katsuyuki Shimizu (Japan)
- (c) Efficient irrigation by applying a water balance by VPH Felix Reinders (South Africa)

WG-IDM Agenda Item 4: Exchange of information, knowledge & networking

WG-IDM Aenda Item 4.1: Website of the WG

7. The website of the working group http://www.icid.org/wg_idm.html has been updated with the new membership list, agenda, minutes, etc. In February 2017, the Central Office invited all members of the group to access the group's website and provide their comments along with interesting articles/ reports. Members are once again requested to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-IDM Aenda Item 4.2: Webinars/ Web based seminars

8. At the Chiang Mai meeting, the group could not discuss this item due to paucity of time and decided to review it during Mexico meeting in 2017. In order to share vast expertise available with ICID fraternity with Members of the NCs, it is proposed to organize on average about 2 webinars per month with the support of WG experts. WG will discuss and suggest 5-6 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.

WG-IDM Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. During the Chiang Mai meeting, the item of updating MTD was not discussed as the priority was the finalization of the scope/ mandate and actions for inclusion in the Work Plan. However, the group decided to discuss this item during the Mexico meeting in 2017.

10. As per Resolution IEC-2/67 held at Chiang Mai on the 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA.

11. In the composition of the Task Force, Chair/ representative of the WG-IDM is one of the members besides other workbodies viz. IOA, M&R, SON-FARM, SDRG. The group may like to discuss the updation of MTD at the meeting and nominate a suitable professional for TF-MTD. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-IDM Agenda Item 6: Brief report on “Water accounting for agriculture” – Dr. Amgad Elmahdi

12. In May 2017, Dr. Marlos de Souza, Secretary – Water Platform, Land and Water Division (FAO) has informed that their proposal as a World Water Council Member Initiative on Water Accounting has been approved by the Council and circulated the Concept Note “Water Accounting for Agriculture” for discussion. In response to ICID Central Office's request Dr. Amgad Elmahdi, Member, WG-IDM has agreed to participate in the discussions and also consented to share the Australian Case Study. Dr. Amgad Elmahdi will provide a brief report/ feedback of the discussions at the meeting.

WG-IDM Agenda Item 7: Workshop on water balance approach, 2018

13. As per Road Map to ICID Vision 2030 (Annex 2) under **Goal C** (*Strategy*: Providing knowledge sharing platform for AWM professionals, activity 1.3), it is proposed to organize a Workshop on Water Balance Approach and how to conceive guidelines during the year 2018. The group may like to discuss about the organization of the workshop (*internal/ international*) and suggest a suitable sub-themes/ topics at the meeting. Chair may like to provide the further updates at the meeting.

WG-IDM Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Annex 1 [Appendix XXVII, Item 1]

A. Members and their attendance at 2015 and 2016 meeting

Sl. No.	Members	Member from (Year)	2015		2016		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.	VPH Francois Brelle (France)	2015	•		•		
5.	Mr. Mohammad Kazem Siah (Iran)	2015					No contribution, recommended for discontinuation after Mexico meeting if no contribution
6.	Dr. Wu Jingwei (China)	2015			•		
7.	Ir. Mat Hussin Bin Ghani (Malaysia)	2015	•				
8.	Mr. Ming-Young Jan (Chinese Taipei)	2015	•		•		
9.	Mr. Waleed Hassan (Egypt)	2015	•			•	
10.	Dr. Amgad Elmahdi (Australia)	2016				•	
11.	Dr. Narges Zohrabi (Iran)	2016			•	•	
12.	Eng. Abd Elsalam Mohamed Salih Idriss (Sudan)	2016				•	
13.	Mr. G.L. Bansal (India)	2016				•	
14.	Dr. Hanan Hussien Abbood (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
15.	Ms. Maryam Naeem Odaa Al-Obaidy - Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
16.	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 Committee

Sl. No.	Name	Country	Remarks
(1)	Eng. Mohammed Omar Makram Afify – Young Professional	Egypt	Recommended subject to presence or else Provisional Member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORKBODIES

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 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	Discussion during WG meeting to finalise contents	Collection of information from NCs	Compilation of information and finalisation of first draft	Finalisation of Standards and its dissemination	Review of the standards and update, if needed
	1.2 Report or case studies on recent development in Irrigation Drainage Management	Case studies Presented in WG meetings	4 to 6 case studies to be presented at WG meeting in Mexico	4 to 6 case studies to be presented at WG meeting in Canada			
A6. Strategy: Improving performance of irrigation systems	6.1 Investigating and providing information on the positive amenities, services and goods provided by irrigation systems	Technical Report	Discussion during WG meeting to finalise contents	Collection of information from NCs	Compilation of information and finalisation of first draft of report	Finalisation of technical report and its dissemination	Review of the report and update, if needed
	6.7 Identify drivers and social resistances within the systems to improve Irrigation management	Report			Prepare a draft report	Release a draft report	Release the finalised report
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 on state of the art		Draft guidelines	Release the finalised guidelines
B3. Strategy: Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	Discussion during WG meeting to finalise contents	Collection of information from NCs	Compilation of information and finalisation of first draft of guidelines	Finalisation of guidelines and its dissemination	Review of the guidelines and update, if needed
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			Workshop on water balance approach and how to conceive guidelines			
C4.Strategy: Compile, Collate and	4.9 Condensed overview of existing	Technical Report	Interim report	Final report			

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
Share Knowledge and Experiences	documents and practical examples on water balance approach						
	4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)	Technical Paper		Preparation of first paper	Submission of first paper for IRD		
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					
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					Draft report	Final report

(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 INSTITUTIONAL ASPECTS OF IRRIGATION/ DRAINAGE
SYSTEM MANAGEMENT (WG-IOA)**

12 October 2017, 13.30-15.00 hours (Session I)
12 October 2017, 15.30-17.00 hours (Session II)
Mexico City, Mexico

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.

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

WG-IOA Agenda Item 1: Action taken report by Chair

1. The 2nd online WebEx meeting of WG-IOA was organized on 17 May 2017 wherein five members participated and discussed about the country papers for the international Symposium. During the online meeting, VPH Dr. Gany made a brief presentation on “Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management including WUA” as a submission of country paper from Indonesia for the International Symposium. He informed that in their country paper they have tried to cover all aspects as per draft contents of the country paper. As a way forward and recommendation, he also mentioned about the best practices for replication, immediate future plans, revitalization of irrigation systems, introduction of real time irrigation system, increase of routine O&M funding etc. It was agreed to bring out the proceeding of the symposium as a technical report based on the received country papers. It was also proposed to print the summary of the papers and attach all the country papers as an Annex in the proceeding which will be published as an electronic version after the Symposium.

2. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Chiang Mai in November 2016.

3. No new nominations have been received from NCs during the year. The Chair suggested to request France, Iran and Iraq to support and encourage the member’s participation otherwise, to replace the member with new member from the respective NCs if for one reason or another the said member are no longer possible to activate, and/or to invite new member from 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.

WG-IOA Agenda Item 2: Road Map to ICID Vision 2030 - Activities on institutional and organizational aspects of irrigation

4. During Chiang Mai meeting, the group discussed and agreed that the overall work plan of the WG was set up for six-year period starting from 2015 to 2021. In December 2016, VPH Hafied Gany, Chairman informed all members about the creation of the “DROPBOX” for dissemination of the information and documents and invited

them to share working papers, articles and the likes on general information on IOA in their respective countries and/or region as well as input for the preparation of the work plan. WG Chair in his communication to all members of the WG informed about uploading of the following documents: Minutes of the Chiang Mai meeting, summary report of the group, presentations of the members, short term work plan, procedure for assessing and utilization of DROPBOX etc. Seeing the low participation of members in accessing the DROPBOX, Chair suggested that disseminate the information and documents and sharing working papers, articles and the likes on general information on IOA in their respective countries and/or region as well as input for the preparation of the work plan are centralized (if possible) through the DROPBOX that has been provided by the Central Office of ICID.

5. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report “A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030”. Action Plan for WG-IOA as presented in CG report is given as **Annex 2**. The WG members would deliberate on the strategies and activities of the action plan, develop activities and milestones for strategy A8 and discuss further steps to be taken to achieve the intended outcomes as per action plan

WG-IOA Agenda Item 3: Presentation by the working group members

6. In order to strengthen the exchange of information, during the Chiang Mai meeting presentations were made by Dr. Hafied Gany (Indonesia), Dr. Kazumi Yamaoka (Japan), and Mr. Madhav Belbase (Nepal). Members are encouraged to make presentation during the WG meeting at Mexico City in consultation with the Chair.

WG-IOA Agenda Item 4: Dissemination of activities of WG

7. During Chiang Mai meeting, the Chair requested and encouraged members to access the WG webpage and provide their comments/ suggestions for further improvement and also share relevant information/ documents/ reports/ articles etc. for uploading on website.

WG-IOA Agenda Item 4.1: Website of the group

8. The website of the working group http://www.icid.org/wg_ioa.html has been updated with the new membership list, agenda, minutes, publications etc. In February 2017, the Central Office invited all members of the group to access the group's website and provide their comments/ suggestions along with interesting articles. Members are once again requested to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-IOA Agenda Item 4.2: Webinar/ Web based seminar

9. The organization of webinar/ web based seminar was not discussed during Chiang Mai meeting due to paucity of time however, it was decided to review the matter during Mexico meeting of the WG. Webinar. In order to share vast expertise available with ICID fraternity with Members of the NCs, it is proposed to organize webinars with the support of WG experts. WG will discuss and suggest few 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. The group may discuss and suggest suitable topics for organizing webinars at the meeting.

WG-IOA Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

10. During the Chiang Mai meeting, the group discussed the updation of the MTD and nominated Dr Yu-Chuang Chang (Chinese Taipei) as a nodal person to undertake the task and to be member of the TF proposed to be setup by PCTA for updation of MTD. In response, Dr. Yu-Chuan Chang has agreed to initiate and coordinate the action for updation of MTD that fall within the mandate of the group.

11. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA.

12. WG Chair/ nominee of the WG-IOA (Dr. Yu-Chuan Chang) will attend meeting of the TF-MTD and provide further updates at the meeting. Further work on updation of MTD will be taken as per direction of the TF-MTD.

WG-IOA Agenda Item 6: Report on International Symposium on “Global review of institutional reform in irrigation sector for sustainable agriculture water management, including WUA”, 8 October 2017

13. During the 23rd Congress, the working group is organizing an International Symposium on the theme “Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA” on 8 October 2017. The main aim of the Symposium is to provide a platform for irrigation and drainage professionals and other stakeholders to share their knowledge and experience related to sustainable agriculture water management with focus on institutional and organizational reforms in irrigation sector, participatory irrigation management, water users’ associations and other relevant issues.

14. As per decision of the WG, NCs were invited to contribute country papers on the theme of the symposium and draft content of the country paper was shared with NCs to develop paper. In response to the invitation, thirteen National Committee confirmed submission of country papers out of which draft papers from 12 NCs/ Committee (Australia, China, India, Indonesia, Iran, Japan, Korea Rep. of, Malaysia, Sudan, Turkey, Ukraine and Chinese Taipei) have been received, which are under review by the WG. It was decided in the virtual meeting of the WG on 17 May 2017 to share soft copy of the country papers with the participants of the symposium and to bring out post symposium proceedings by including all country papers and the outcome of the event. International organizations like The World Bank has confirmed for keynote speech during the Symposium. Chair will provide a brief report on the outcome of the symposium at the meeting.

WG-IOA Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		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.	Mr. Madhav Belbase, Secretary (Nepal)	2015	•		•	•	
4.	Mr. Hasan Basri Yuksel (Turkey)	2015	•			•	
5.	Mr. Philip J. Riddell (UK)	2015	# ¹		•	•	
6.	Dr. Seong Joon Kim (Korea)	2015			•	•	
7.	VP Ding Kunlun (China)	2015				•	
8.	Mr. Franck Sanfilippo (France)	2015					No contribution, recommended for discontinuation after Mexico 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			#		Provisional member No contribution since Chiang Mai, recommended for discontinuation after Mexico meeting if no contribution.
13.	Mr. Ghassan Lutfi Ahmed (Iraq)	2016					Provisional member No contribution since Chiang Mai, recommended for discontinuation after Mexico meeting if no contribution.
14.	Ms. Hend Emad Alhendy - Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai, recommended for discontinuation after Mexico meeting if no contribution.
15.	Secretary General, ICID	2015	#		•		



¹ # Through representation

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							
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 AWM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium	
C4. Strategy: Compile, collate and share knowledge	4.10 Condensed overview of existing key books, manuals, guidelines and other relevant	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
and experiences	publications on the institutional, organizational aspects of 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 3RD MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

12 October 2017, 09.00-10.30 hours (Session I)
12 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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.

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

WG-M&R Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office has 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-M&R Agenda Item 2: Road Map to ICID Vision 2030 - Activities on modernization and revitalization

3. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-M&R as presented in CG report is given as **Annex 2**.
4. During Chiang Mai meeting WG deliberated on the Action Plan and agreed specifically to the following activities:
 - (a) Definition of irrigation modernization for review and adoption in Mexico Congress (2017)
 - (b) Preparation of a position paper on key issues of modernization for the WWF8 (2018)
 - (c) Preparation of case studies as a foundation for State of the Art review paper to be presented in Mexico Congress (2017)
 - (d) Organization of workshops and papers at forthcoming ICID events.
5. ICID Central Office followed-up the matter with the members and requested them to contribute to the 23rd Congress theme "Modernizing Irrigation and Drainage for a new Green Revolution" and for the preparation of case studies for state-of-the-art paper on modernization however, response is awaited. WG will discuss the activities of the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve outcome as per milestones indicated in the Action Plan at the meeting.

WG-M&R Agenda Item 3: Report on Modernization irrigation/ drainage for a new Green Revolution

6. At Chiang Mai meeting, the group proposed for the preparation of document on state-of-the-art review of modernization for publication at the Mexico Congress. In February 2017, the Central Office followed-up the matter about the process of contribution of members towards case studies and development of template for circulation amongst group members. As per decision at Chiang Mai meeting, PH Prof. Bart Schultz provided the draft paper on WWF 6 and 7 (under finalization by the team) titled as “Food security by optimal use of water synthesis of the 6th and 7th World Water Forums and developments since then” to Chair VP Ian Makin to support preparation of a position paper for WWF8 in Brasilia by the WG. Chair will provide further updates in the matter.

WG-M&R Agenda Item 4: Preparation of a paper on the status of modernization in countries around the world

7. During Chiang Mai meeting, the group discussed the broad outline for preparation of case studies/ country papers in respect of modernization and revitalization of irrigation system. It was agreed that members from the seven countries viz. China, India, Korea, Japan, Philippines, Indonesia and USA would provide country papers/ case studies on irrigation modernization from their countries while observers from FAO and IWMI would provide supporting documents from their organizations. Further, it was also agreed that in order to promote YP participation in the activities of the WG, Young Professionals and the YP network would be invited to participate in the review team for the publication, in addition to their participation in preparation of case studies.

8. In order to facilitate preparation of case studies by the members, WG Chair in consultation with the Central Office developed and circulated the broad outline for preparation of the case studies/ country papers in respect of modernization and revitalization of irrigation system (**Annex 3**). WG may review, discuss and finalise the existing outline so that there is uniformity in case studies / country papers from members and other professionals. Chair will provide further updates at the meeting.

WG-M&R Agenda Item 5: Exchange of information, knowledge & networking

9. The group discussed the issues related to exchange of information and updation of WG-M&R website during the Chiang Mai meeting and agreed to the following suggestions: (a) Irrigation modernization has different meanings to different countries so information and knowledge exchange is very important. (b) The country papers/ case studies/ country guidelines should be made available through the WG website (c) Virtual meeting should be held for identifying 1-2 topics for discussion.

WG-M&R Agenda Item 5.1: Web site of the WG

10. The website of the working group <http://wg-mr.icidonline.org/> has been updated with the new membership list, agenda, minutes, events, etc. Members were requested to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-M&R Agenda Item 5.2: Webinar/Web based seminars

11. The group discussed and supported the organization of webinar/ web based seminar and requested members to provide their suggestion on the topics, based on the mandate of the WG. WG will discuss and suggest 5-6 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. The group may discuss and suggest suitable topics for organizing webinars in future.

WG-M&R Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

12. During Chiang Mai meeting, the group discussed the updating of MTD and agreed that the members would review the existing dictionary to consider whether additional terms are required to be included to cover modernization and revitalization issues. The group noted that the Indonesian National Committee (INACID) had reviewed the 2010 version of MTD and encouraged other members to review the MTD further. In February 2017, the Central Office followed-up the matter with the members of the group to review the terms in the existing MTD. In response, Dr Sato suggested 14 additional terms which needs to be included in the MTD.

13. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified

establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA.

14. In the composition of the Task Force, Chair/ nominee of the WG-M&R is one of the members besides IDM, IOA, SON-FARM, SDRG and international organizations like FAO, IWMI, ADB. The group may like to discuss the updation of MTD at the meeting and nominate a suitable professional for TF-MTD. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-M&R Agenda Item 7: Brief report on the 23rd Congress “Modernizing irrigation and drainage for a new Green Revolution”, October 2017

15. ICID Central Office encouraged all members to contribute actively to the 23rd International Congress on Irrigation and Drainage organized by the Mexican National Committee (MXCID) in October 2017 in Mexico City as the theme “Modernizing irrigation and drainage for a new green revolution” is very relevant to the mandate of the WG. Members of the WG have reviewed congress papers and WG Chair will be acting as Panel of Experts/ Co-Chair for congress question 60.2 “Understanding water productivity, water and energy use efficiency and water footprint of crops”. Chair will provide a brief report of the event at the meeting.

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 Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		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	•				
5.	Mr. Mehrzad Ehsani (Iran)	2015	•				
6.	Ir. Eko Subekti (Indonesia)	2015	•		•		
7.	Dr. Yohei SATO (Japan)	2015	•		•	•	
8.	Mr. Bir Singh Dhami, Young Professional (Nepal)	2015	•				
9.	Dr. Kwang-Sik Yoon (Korea)	2015	•		•		
10.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015	•				
11.	Ms. Meral Çiçek (Turkey)	2015	•				
12.	Mr. Puleng Mofokeng (South Africa)	2015	•				
13.	Dr. Brian T. Wahlin (USA)	2015			•		
14.	Mr. Usman-e-Ghani (Pakistan)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
15.	Mr. Ali Omran Ali (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
16.	Mr. Firas Hussain Ali – Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
17.	Secretary General, ICID		#		#		
Permanent observers							
(i)	Mr. Alan Kendall Clark (UK)	2015	•				
(ii)	FAO Representative (Ms. Robina Wahaj)	2015	# ¹		•		



¹ # Through representation

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							
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)



APPENDIX XXX [PCTA Item 10.4]

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DRAINAGE (WG-SDRG)**

12 October 2017, 09.00-10.30 hours (Session I)

12 October 2017, 11.00-12.30 hours (Session II)

Mexico City, Mexico

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.

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

WG-SDRG Agenda Item 1: Action taken report by the Chair

1. During Chiang Mai meeting the group noted that two case studies have been received viz. (a) 'Instream wetland as a potential low cost treatment technology in rural areas' – from Dr. Ashraf from Egypt; (b) 'Application of land drainage model of DRAINMOD on peat land for oil palm cultivation based on land evaluation analysis' – from Dr. Momon Sodik Imanudin from Indonesia. As a follow-up of decision of the meeting of WG in Chiang Mai the ICID Central Office in February 2017 requested other volunteers to provide their case studies to the WG Chair viz. (a) Ms Wang and Aijo on 'Controlled drainage'; (b) Mr Ardavan Azari on 'Bio drainage, dry drainage, bio saline agriculture'; (c) Dr. Bondarik, Dr Asraf El Sayed Ismail on 'Wetlands'; (d) Dr Bondarik on 'Innovation in Russian speaking countries'; (e) Dr Wu from China on 'Dry drainage'; and (f) Dr. Wahba on 'Controlled drainage'. In response, Ms. Wang Shaoli has agreed to prepare and provide the case study. The Chair will provide latest status and present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Chiang Mai in November 2016.

2. Egyptian National Committee (ENCID) has nominated Eng. Mohamed Fawzy Mohamed Mahmoud – as Young Professional for the membership of the group. As suggested by the group, the Central Office followed-up with the National Committees of Nepal and Pakistan for a fresh nomination in place of Mr. Krishna Prasad Rijal and Dr. M.N. Bhutta however but without any response. Since no contribution has been made by Mr. Krishna Prasad Rijal (Nepal) and Mr. Yeolkar (Direct Member), JISL (India) since 2015 to the activities of the WG so their membership has been discontinued. New members would be invited from the 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.

WG-SDRG Agenda Item 2: Road Map to ICID Vision 2030 - Activities on sustainable drainage

3. During the Chiang Mai meeting, the group discussed the draft Action Plan 2030 of the WG prepared by ICID Central Office and decided that WG Chair would circulate the action plan to all members and coordinate and facilitate finalization of the action plan of the WG and its submission to the ICID Central Office by March 2017.

4. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-SDRG as presented in CG report is given as **Annex 2**. The group will discuss the action plan and may like to add few more activities as well as initiate action on the activities proposed for the WG.

WG-SDRG Agenda Item 3: Compilation of experiences in bio-drainage and bio-saline agriculture

5. During Chiang Mai meeting, WG discussed the document titled "Bio-drainage for Management of Waterlogging and Soil Salinity" finalised by Dr Gurbachan Singh (India) wherein WG Chair requested members to provide their

comment/suggestions as well as case studies from their countries, if any for incorporating in the publication. The group may discuss the issue of finalisation of the document at the meeting so that document can be uploaded on WG website as e-publication for wider dissemination.

6. During Chiang Mai meeting, it was decided to compile and issue scientific paper on controlled drainage with contribution from members/ participants from China, Finland, Iran and Egypt; paper on dry drainage bio-saline agriculture with contribution from China, India and Iran and publication on bio-drainage. Chair will provide further updates on compilation of paper at the meeting.

7. In response to Central Office's request, Dr. Naoko Koshiyama from Japan has informed that she will make a short presentation during Mexico meeting and talk about sub-irrigation using drainage pipes in consolidated paddy rice fields of Japan. Other members are also requested to make a presentation in consultation with the Chair at the meeting.

WG-SDRG Agenda Item 4: Updating database on 'Drained area in the world'

8. During Chiang Mai meeting, the Chair noted the continued efforts of ICID Central office in updation of the database on drained area and requested members to provide latest information in respect of their countries. In April 2017, the Central Office further requested members to update the existing database of drained area in respect of their country and provide the updated data so that it can be published in the Annual Report. The updated database of drained area is available at <http://www.icid.org/world-drained-area.pdf>.

WG-SDRG Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

9. During Chiang Mai meeting, the group discussed the matter and issues related to updation of MTD wherein members showed keen interest. However, no person was nominated for the task so it was decided to discuss this issue in Mexico meeting. Chair requested members to undertake the review of the concerned terms depending on their domain of expertise and suggest changes / modification and addition of new terms, if any along with contributing pictures, links and videos related to respective term. Members will deliberate on the issue of updation of MTD.

10. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA (*refer page 95 of 68th IEC*). In the composition of the Task Force, Chair/ nominee of the WG-SDRG is one of the members besides IDM, IOA, SON-FARM, M&R and international organizations like FAO, IWMI, ADB. The group may discuss the issue and report/ updates in the meeting of the TF-MTD. Further updation of MTD will be undertaken as per direction of TF-MTD.

WG-SDRG Agenda Item 6: Brief report on the 13th International Drainage Workshop, March 2017, Ahwaz, Iran

11. The 13th International Drainage Workshop (IDW13) was organized by the Iranian National Committee on Irrigation and Drainage (IRNCID) under the auspices of the Ministry of Energy (MoE) and its subsidiary Khuzestan Water and Power Authority (KWPA), Islamic Republic of Iran from 4-7 March 2017 at Ahwaz, Iran. The main theme of the workshop was "Drainage and Environmental Sustainability". About 700 delegates from 23 countries attended the workshop and 36 papers were presented with 27 poster presentations. The theme was supported by rich discussions during the round table on "Alternative Drainage Methods" moderated by VPH Dr. Willem Vlotman, ex-Chair WG on Drainage and attended by VPH Dr. Ragab, Dr. Momen, VP Dr. Mohammed Wahba, Dr Parsinejad, Mr Mojtaba Akram, Dr Abdulmajid Liuaghat, and Dr Koupaie. Another roundtable on "Drainage Water Reuse" was moderated by Prof Reisberk, with participation from Dr Ali Madani, Dr Ritzema, President Hon. Prof Bart Schultz, and Dr. Kharsandi and others.

12. The theme 'Drainage and Environmental Sustainability' enabled discussion on issues related to environmental concerns of drainage, addressing its design, implementation and management duly factorizing these concerns. It requires management of not only the drainage water quality but also its volume. Hence, the workshop considered (a) Measures to improve drainage water quality; (b) Measures to lower volume of drainage water; (c) Adaption of new design criteria in favour of the environment; (d) Application of alternative drainage methods. More information about 13th IDW is available at http://www.icid.org/conf_idw.html.

WG-SDRG Agenda Item 7: Dissemination of activities of WG

13. During Chiang Mai meeting, the Chair requested and encouraged members to access the WG webpage and provide their comments/ suggestions for further improvement and also share relevant information/ documents/ reports/ articles etc. for uploading on website.

WG-SDRG Agenda Item 7.1: Website of the group

14. The website of the working group http://www.icid.org/wg_sdg.html has been updated with the new membership list, CVs, agenda, minutes, articles, reports, documents, presentations etc. Members are requested to provide interesting articles/ papers/ presentations/ documents/ links related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-SDRG Agenda Item 7.2: Webinar/ Web based seminar

15. The organization of webinar/ web based seminar was not discussed during Chiang Mai meeting due to paucity of time however, it was decided to review the matter during Mexico meeting of the WG. In order to share vast expertise available with ICID fraternity with Members of the NCs, it is proposed to organize on average about 2 webinars per month with the support of WG experts. WG will discuss and suggest 5-6 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. The group may discuss and suggest suitable topics for organizing webinars at the meeting.

WG-SDRG Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

A. Membership of the group at 2015 and 2016 meetings

SI No.	Members	Member from	2015		2016		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.	VPH Prof. Brane Maticic (Slovenia)	2013		•			
5.	Mr. Chen Hung-Kwai (Chinese Taipei)	2013			#		
6.	VPH Shinsuke Ota (Japan)	2013		•		•	
7.	Dr. Yurii Yanko (Russia)	2013	# ¹		#		
8.	Dr. Gurbachan Singh (India)	2013			•	•	
9.	Mr. Mati Tonismae (Estonia)	2013	•				
10.	Mr. Ardavan Azari (Iran)	2013	•		•	•	
11.	Ms. Helena Aijo (Finland)	2013	•		#		
12.	Dr. Ashraf El Sayed Ismail (Egypt)	2013	•		#	•	
13.	Ms. Wang Shaoli (China)	2013	•		•	•	
14.	Engr. Mohd Anuar Musardar bin Yusoff (Malaysia)	2013	•		•		
15.	Dr. M.N. Bhutta (Pakistan)	2013					Discontinued No contribution for more than 2 years
16.	Dr. Hajime Tanji (Japan)	2014		•			
17.	Prof. Ir. Robiyanto Hendro Susanto (Indonesia)	2014			•		
18.	Dr. Henk Ritzema (Netherlands)	2015	•			•	
19.	Mr. Krishna Prasad Rijal (Nepal)	2015					Discontinued No contribution since 2015
20.	Mr. Yeolkar (Direct Member), JISL (India)	2015					Discontinued No contribution since 2015
21.	Prof. Seong Joon Kim (Korea, Rep. of)	2016			•	•	
22.	Dr. (Ms.) Naoko Koshiyama (Japan)	2016			•	•	
23.	Prof. Aidan Senzanje (South Africa)	2016				•	
24.	Dr. (Ms.) Bilge Omar (Turkey)	2016			•		
25.	Mr. Raed Abbood Awad (Iraq)	2016					Provisional member No contribution since Chiang Mai, recommended for discontinuation after Mexico meeting
26.	Mr. Amjed Mohammed Abbas - Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai, recommended for discontinuation after Mexico meeting
27.	Secretary General, ICID				#		

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1	Eng. Mohamed Fawzy Mohamed Mahmoud	Egypt	Recommended by Chair subject to his presence or else Provisional Member

¹ # Through representation

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 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 2ND MEETING OF
WORKING GROUP ON WATER SAVING IN IRRIGATED AREAS (WG-WATS)**

12 October 2017, 09.00-10.30 hours (Session I)
12 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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.

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

WG-WATS Agenda Item 1: Action taken report by Chair

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 Chiang Mai in November 2016.

2. No new nominations have been received from NCs during the year. Eng. S. Mohanarajah (Sri Lanka) and Mr. Abijit Joshi (Jain Irrigation Systems Limited) have not contributed to the activities of the WG during last two years. In January 2017, the Central Office followed-up with the Sri Lankan National Committee and Jain Irrigation Systems Limited for the replacement however, there is no response from them and hence membership of Eng. Mohanarajah and Mr. Joshi is discontinued. 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-WATS Agenda Item 2: Road Map to ICID Vision 2030: Activities on water saving in irrigated areas

3. During the Chiang Mai meeting, the group discussed and finalized the draft ICID Action Plan 2030. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-WATS as presented in CG report is given as **Annex 2**. During Chiang Mai meeting, the group identified some activities for actions and deliverables for the WG. Brief update on actions initiated on these is given below for further deliberation during Mexico meeting of the group.

- (a) **Goal A: Activity 3.2 - Best Practices and Successful Story on Water Saving:** At the Chiang Mai meeting, the group decided to organize a Seminar / Symposium on 'Water Saving' to explore all those innovations and success story and share outcome with the professional experts and policy makers. In April 2017, Chair proposed that since the theme of 23rd Congress Question 60.1 'Emerging issues and challenges of water saving' already covers the objective of the proposed seminar on best practices and successful story on water saving so there is no need to organize a separate seminar on the topic by the WG. Chair Mr. Mehrzad Ehsani is one of the Panel of Experts/Co-Chair and Mr. Soman is one of the reviewers of the papers for question 60.1. Chair will provide brief updates of the outcome of discussion on this question during the meeting of the WG.
- (b) **Goal B: Activity 1.4-Policy and legal approaches to water saving:** At Chiang Mai, the group agreed to identify, collect, review and analyse the appropriate law and regulation of countries in order to provide a handbook on the above topic. Ms. Jianxin Mu (China) agreed to develop questionnaire to collect the information from the NCs for preparing the first draft of a unique framework and template including topics and subtopics. In February 2017, Ms. Jianxin Mu informed that the draft questionnaire on policy and legal approaches to water saving is under preparation. Ms. Jianxin Mu/ Chair will provide furthers updates at the meeting.
- (c) **Goal B: Activity 1.5 - Water Charging Policies:** During Chiang Mai meeting, the group agreed to start preparing a technical book on water charging polices and mechanism to collect water charges. Chair volunteered to make the first draft of framework and template for collecting the required information. In April 2017, Chair Mehrzad Ehsani circulated the draft of technical framework for collecting information for Technical Book on Water Charging Policies (**Annex 3**) to the members of the group for their review/ comments so that the final version can be circulated to all National Committees for collecting information. In May 2017, VPH Dr. Gerhard Backeberg has suggested that water charging policies of ICID member countries should be

investigated from the perspective of how water charging can contribute to water saving. Accordingly he proposed to change the activity to “Assess the extent to which charging for water use can contribute to water saving”. Members would deliberate on the issue and decide on further action to finalise contents of the book and initiate collection of required information.

- (d) **Goal B: Activity 1.11 - State of the art on water saving:** In order to highlight the most recent researches and newest ideas on the scope of this working group, members decided to prepare an overview paper on the state of the art on the aspects of management, technology, technique and policies for water saving in irrigated areas. It was proposed that the paper would be submitted for publishing in ICID Journal on Irrigation and Drainage. In February 2017, VPH Dr. Gerhard Backeberg informed that he in association with Dr. Stevens will finalise the draft framework for the paper for requesting contribution from all member countries of ICID and members of WATS for preparing state of art on water saving. Dr Backeberg/ WG Chair will provide further updates at the meeting.
- (e) **Goal C: Activity 4.8 – Condensed overview of existing key books, manuals, guidelines and other relevant publications on water saving:** During the Chiang Mai meeting, the group discussed the topic on overview of existing key books, manuals, guidelines etc. on water saving and Mr. Mortaza Yazdekhashti (Iran) volunteered to take up the task with the cooperation of other working group members and requested WG members to send any articles and books which are new in this area of knowledge. Mr. Mortaza Yazdekhashti/ Chair will provide further updates at the meeting.

WG-WATS Agenda Item 3: Presentation by the WatSave Award winner(s)

4. As decided at Montpellier meeting, in order to compile success stories and best management practices in water saving which includes techniques, technology, management and innovation, the Watsave Awards winners are being requested to share their experience and present their respective works during the meeting of the WG. Accordingly, two winners from China and Thailand shared/ presented their respective works on water saving during Chiang Mai meeting which provided a very good opportunity to exchange the experiences among members.

5. In 2017, seventeen nominations have been received for four categories of WatSave Awards (viz. technology, management, young professional and farmer) from nine National Committees viz. Australia, Brazil, China, Egypt, Hungary, India, Iran, Iraq, and Turkey. ICID Central Office, in consultation with the WG Chair, would invite the WatSave Award winners, 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

6. The website of the working group <http://wg-wats.icidonline.org/> has been updated with the new membership list, agenda, minutes, links, publications etc. In February 2017, VPH Dr. Gerhard Backeberg has informed that articles/ reports related to water saving were uploaded by the Water Administration System (WAS), South Africa on their website www.wateradmin.co.za. He also provided list of many interesting reports brought out by WAS which has been uploaded on the group’s website.

7. Members are requested to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-WATS Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

8. During Chiang Mai meeting, the group discussed the reviewing and updating the existing MTD. It was decided that the WG members would review the terms in the existing dictionary to consider whether any additional terms are required to be included to cover aspects related to water saving in irrigated area. Ms. Kyung Sook Choi (Korea) volunteered to review the MTD, as well as gather other working group members to review and complete the task. In February 2017, the Central Office followed-up the matter with Ms. Choi to initiate the review process and provide updates. Ms. Choi/ Chair will provide further updates at the meeting.

9. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA. Further work on updation of MTD will be taken up as per direction of 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 Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		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			# ¹	•	
9.	Ms. Jianxin Mu (China)	2016			•	•	
10.	Mr. Kamal Kumar Jangid (India)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
11.	Mr. Yalçın Dalgin (Turkey)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
12.	Mr. Dhuha Mahmood Hussein (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
13.	Mr. Mohammed Alaa Dheyaa as Young Professional (Iraq)	2016				•	
14.	Eng. S. Mohanarajah (Sri Lanka)	2015					Discontinued No contribution during last two years.
15.	Mr. Abijit Joshi – Direct Member, JISL (India)	2015					Discontinued No contribution during last two years.
16.	Secretary General, ICID				•		
	Permanent observers						
(i)	Mr. S.P. Jadhav – Direct Member, JISL (India)	2015				•	
(ii)	IWMI Representative (Mr. Ian W. Makin – UK)	2015	•			•	
(iii)	FAO Representative (Ms. Robina Wahaj)	2015	#			•	



¹ #Through representation

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)



Technical Framework

**AGRICULTURAL WATER CHARGING
Country Report**

(Max length 12 pages)

1. **Introduction – Very brief overview (max 1.5 pages)**
 - ❖ General country information such as climate, population, food and water security policy,
 - ❖ Agriculture and water resources development, including Rain fed & Irrigated Agriculture;
 - ❖ Irrigation infrastructure; Irrigation and drainage development, Annual Water Withdrawal and consumption from surface and Ground-water Resources for crop production, etc.
 - ❖ Ownership and governance of irrigation schemes;
2. **Policies and Institutions on Irrigation Water Charging (max 2 pages)**
 - ❖ Rules and regulations on irrigation water charging;
 - ❖ Policies on surface and groundwater charging;
 - ❖ Water charging policies for lands with specific water-right comparing with new developed land;
 - ❖ Legal Authority & Policy levels for offering and approving the rates (Tariffs);
 - ❖ Conflict regulations policy and responsibilities (example unpaid water price; conflict of water price rate);
 - ❖ The level of irrigation services and level of prices.
3. **Process of Water Charging Determination (max 2 pages)**
 - ❖ Mechanism and formulation of agricultural water charging for specific crops or irrigated lands;
 - ❖ Services provide to farmers by administration;
 - ❖ Effective factors on agricultural water charging rate (Measure and criteria);
 - ❖ Examples for water charging tariff based on volumetric water delivery and/or different type of crops or even per hectare water charges (non-volumetric methods) (US dollar);
 - ❖ Case studies;
4. **The Method of Collecting Water Charging (max 1.5 pages)**
 - ❖ Methods of measuring water delivery to the Farmers;
 - ❖ Methods and mechanism of receiving water price (Payment methods), etc.
 - ❖ Constraints to collect water charging (lack of motivation to pay, weak institutional mechanisms, lack of reliable system and etc.)
 - ❖ Successful stories
5. **Cost Recovery (max 1 page)**
 - ❖ Analyses of collecting water fees from users to recover system costs including O&M costs).
 - ❖ Assessing costs of operation and maintenance of irrigation scheme;
 - ❖ Cost recovery analyses;

6. Summary and Conclusion (max 1 page)

- ❖ Bottlenecks /issues/ concerns on water charging policies, payment, collecting systems;
- ❖ How these issues were overcome;
- ❖ The impact of water charging on water saving;
- ❖ the capacity and feasibility study of Increasing Water Price in the Irrigated Areas;
- ❖ The Farmers' satisfaction from the irrigation services;
- ❖ Recommendations for improving the situation, etc.

7. References, maps, tables (as needed)



**AGENDA FOR THE 4TH MEETING OF THE
SUB-COMMITTEE ON THEMES, TOPICS AND WORK PLANS OF
FUTURE ICID EVENTS (SC-E-THEMES)**

08 October 2017: 17.00 – 18.30 Hours
Mexico City, Mexico

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, and (iii) To review the technical outputs and outcomes and suggest follow ups.

Members: (1) PH Dr. Gao Zhanyi (China), Chair; (2) VP Dr. Ding Kunlun, Chair, PCTA (China); (3) Mr. Ali Reza Salamat, Member, PCTA (Iran); (4) Mr. Franklin E. Dimick, Chair, WG-MWSCD (USA); (5) VP Dr. Abdelhafid Debbarh, Chair, WG-CDTE (Morocco); (6) VP Mr. Ian W. Makin, Chair, WG-M&R (UK); (7) Mr. Felix B. Reinders, Member, ITAC-WIF1 (South Africa); (8) Dr. Ragab Ragab, Member, ITAC-WIF2 (UK); (9) VP Bong Hoon Lee, Member, ITAC-23rd ICID Congress and (10) Er. Avinash C Tyagi, Secretary General, ICID.

Sub-Committee Agenda Item 1: ATR on the Minutes of the 3rd Meeting of Sub-Committee

1. An Action Taken Report on the minutes of the 3rd meeting of Sub-Committee is placed at **Annex 1**.

Sub-Committee Agenda Item 2: Theme and Topics for 25th ICID Congress, 2023

2. The venue for the 25th ICID Congress is yet to be fixed, however, the Sub-Committee may suggest topics for Theme and Questions for the Congress. The list 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. The suggested topics for the Theme and Congress Questions 64 and 65 will be provided at the meeting.

3. The members are invited to suggest topics for the Theme and Questions 64 and 65 for 25th Congress.

Sub-Committee Agenda Item 3: Theme and Topics for 4th World Irrigation Forum, 2022

4. The venue for the 4th World Irrigation Forum is yet to be fixed, however, the Sub-Committee may suggest topics for Theme and Sub-Themes for WIF4. 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-wif_topics.pdf. The suggested topics for the Theme and Sub-Themes for WIF4 will be provided at the meeting.

5. The members are invited to suggest topics for the Theme and Sub-Themes for WIF4.

Sub-Committee Agenda Item 4: Review the Outcome of WIF2, Chiang Mai, Thailand and Suggest Follow Ups

6. The outcome of WIF2 brought out as the 'The Chiang Mai Forum Statement', based on the presentations and discussions during the Forum, is given at **Annex 2**.

7. The Sub-Committee is requested to suggest follow ups on the WIF2 Statement.

Sub-Committee Agenda Item 5: A Review of the Technical Outputs of Congress Questions

8. During the last few years, it has been observed that the response to the questions considered by the various Congresses are largely off the mark. The sub-Committee may like to deliberate on the subject. A brief Background Note will be presented to the sub-committee to initiate the discussions.

Sub-Committee Agenda Item 6: Any Other Business



**ACTION TAKEN REPORT ON THE MINUTES OF THE
Third Meeting of SC-E-THEMES
09 November 2016, Chiang Mai, Thailand**

Item	PCTA Recommendation	Decision of 66th IEC	Action Taken
2. Review of Name, ToR and Membership of the Sub-Committee			
	Accepted the Sub-Committee's recommendation of revised composition and mandate and the permanent mechanism for formulating themes and topics for various ICID events.	Accepted the PCTA recommendation as per Resolution IEC-2/67 (Sr. No.1).	Notified the re-constitution of SC-E-THEMES with revised mandate and composition vide Notification No.13 of 2017 dated 05 May 2017.



CHIANG MAI FORUM STATEMENT, 2016

Second World Irrigation Forum (WIF2) was held from 6 to 8 November 2016 in Chiang Mai, Thailand. The Forum was organized by the International Commission of Irrigation and Drainage (ICID) and the Thailand National ICID Committee (THAICID) in cooperation with a number of International and National Partners that brought together representatives of various stakeholders involved in irrigation of all types at all scales. About 1200 participants from 71 countries, 10 International Organizations and 9 Ministers attended the Forum.

The main theme '**Water Management in a Changing World: Role of Irrigation for Sustainable Food Production**' recognizes that The world's population is growing rapidly and is expected to reach about 9 billion by 2050, mostly living in urban areas, which pose challenges in meeting the sharply growing water, food and energy demands. In order to feed this growing population it is estimated that agricultural production needs to be increased by about 70 % globally and by as much as 100 % in developing countries. It is likely that increased food production will have to be achieved with a reducing share of water for agriculture due to competition from other sectors including uncertainty due to climate change and variability. This calls for growing more with less water in a sustainable manner. New ways to grow food in ecologically and ethically responsible manners and expansion of irrigation to previously rainfed areas, along with supply and demand side management options will play a significant role in achieving this goal.

The key to sustainable development of irrigated agriculture in the changing environment and the on-going rural transformation lies around modernization of irrigation systems and related services to improve water use efficiency; improving water and land productivity supported by financial mechanisms; reform of management institutions; adoption of efficient water management techniques including recycling and reuse of waste water; use of modern technologies; increasing awareness about water scarcity and capacity development of service providers and farmers etc. with participation of all the stakeholders (public and private sector, academic and research institutions, industry, civil society, farmers' and their organizations etc.).

Within the context of the Main theme, more than 183 papers, short communications and posters were presented and discussed under three Sub-themes: (1) Key issues of irrigation and drainage in balancing water, food, energy and ecology; (2) Management of climatic extremes with focus on floods and droughts; (3) Key and smart actions to alleviate hunger and poverty through irrigation and drainage. In addition to the thematic sessions there were 17 Side events and an Exhibition.

A WIF first was the round table Ministerial meeting where Ministers from Bhutan, Cambodia, China, Ethiopia, Indonesia, Laos, Nepal, Pakistan, Sudan participating in the Second World Irrigation Forum, hosted by the Kingdom of Thailand, under the chairmanship of Honourable Minister of Agriculture and Cooperatives of Thailand, made a press release based on their deliberations on 6th November 2016. They agreed to establish a High Level Advisory Group on "**Partnerships for Agriculture Water Management**" as an action-oriented multi-stakeholder partnership. The objective is to support member countries in achieving the Sustainable Development Goals (SDGs) and share experiences in implementation of targets related to agriculture water management which is key to both water and food security. It will also support the UN System efforts in monitoring the progress on related SDGs. The partnership will advocate strong policy support for higher investments in Agriculture Water Management (AWM) to ensure food and water security.

As a result of the presentations and discussions at the World Irrigation Forum, the following statements were agreed:

1. The great challenge for the coming decades will be to increase food production with fewer resources -water, soil, energy, and biodiversity.
2. In order to foster sustainable development, it is essential to maintain the balance between water, energy, food, and ecosystem services.
3. The issues that irrigation and drainage sector is facing are (a) safeguarding resource availability and its quality when designing new systems, (b) the operation and maintenance of existing systems and in turn their impact on resources and the environments that hold them, and (c) the stakeholder interaction and participation that lead to the governance of the systems and their underlying resources.
4. The future challenges require unconventional thinking and solutions. Thinking within the water-energy-ecosystem-food nexus framework with water resources at its heart is essential.
5. Increasing water supply to meet the future demand requires a more efficient water use, use of non-conventional water resources, and water harvesting.

6. Sustainability can only be achieved within a complete water chain approach and with full stakeholder involvement from start to end and from farmer to minister.
7. We need to adopt a more integrated holistic approach to understand and sustainably manage resources with the aim to produce more from less “more crop per drop per kilowatt” without hampering natural ecosystem services.
8. Climate change is recognized as one of the most serious and urgent issue for human society and global environment. In the context of agriculture, improving irrigation and drainage systems and rural development will play a key role in achieving the rural water and food security under impending climate change, especially in the developing countries.
9. To reduce the disaster risks, the global and local society or community need to assess the magnitudes, frequencies, and variabilities of weather and climate events; the exposure of the society for these events; and the vulnerability of the region and society to these extremes.
10. Under the given uncertainties in climate change impact projections, improving resilience by reinforcing the capability of societies to better cope with the extreme events is one of the most favoured approaches.
11. In the pursuit of information to support the policies and actions to alleviate hunger and poverty from a perspective of the role and impacts of irrigation and drainage, correlation must be provided between water scarcity, community and poverty.
12. One of the main goals of the international community is to eliminate hunger and poverty and in this perspective, through the Millennium Development Goals much progress has been achieved and evidence obtained. Sustainable Development Goals and various United Nations and other initiatives, intend to move forward this agenda by making it a part of the broader development frameworks.
13. The important elements of irrigation and drainage that affect the alleviation of hunger and poverty can be grouped into governance, rights-based development, water rights and pricing, management, efficiency improvement, and role of technology
14. Both the potential and the need to make use of innovative technology and solutions in irrigation are underlined and these can be used to cater the challenges in different sub-sectors with focus on maximizing productivity and efficiency, reducing water losses, achieving sustainable intensification and managing demands on water resources and the associated trade-offs.

