

**AGENDA FOR THE 70TH MEETING OF THE
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID**

Bali, Indonesia

Opening Plenary (First Session): 04 September 2019, 09:00 – 11:10 hours

Second Session: 07 September 2019, 09:00 – 13:15 hours

Third Session: 07 September 2019, 14:00 – 18:15 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): 04 September 2019, 09:00-11:00 hours

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

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

IEC Agenda Item 2: Launch Announcement of Celebrations of 70th Year of ICID Formation by the President

2. President will launch the celebrations to mark the 70th Year of ICID Formation and will provide a brief of the various activities planned for the year-long celebrations that will conclude during 71st IEC meeting and 24th ICID Congress at Sydney, Australia in September 2020.

IEC Agenda Item 3: Scoping out the issues to be addressed during the workbody meetings: Secretary General, Chair of PCTA and Chair of PCSO

3. Secretary General will introduce the Agenda and draw the attention of the members to certain issues such as the Action Plan 2018-22 of Road Map to ICID Vision 2030, International Research Program on Irrigation and Drainage, Independent Service Unit (ISU), Knowledge Management Strategy and other issues that need the special consideration during the session. He will also give a brief about the procedural aspects regarding the conduct of IEC and Meetings of workbodies, including permanent committees.

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

IEC Agenda Item 4: Presentation by the National Committees: Indonesia, Myanmar and Nigeria

5. The representatives of National Committees of Indonesia, Myanmar and Nigeria will make presentations to showcase the activities of INACID, MNCID and NINCID, respectively and share some important aspects regarding the agriculture water management scenario in their countries. The NCs look forward to feedback and suggestions from the members on conclusion of their presentations.

IEC Agenda Item 5: Presentation of Awards: WatSave, Best Paper, World Heritage Irrigation Structures

IEC Agenda Item 5.1: Presentation of WatSave Awards

6. The President, in consultation with the Management Board, constituted a Panel of Judges (PoJs) comprising of PH Dr. Saeed Nairizi (Iran) as the Chair and VP Dr. Brian T. Wahlin (USA), VPH Dr. Laszlo Hayde (Hungary), VPH Dr. Mohamed Wahba (Egypt), VP Dr. K. Yella Reddy (India) and Mr. Mehrzad Ehsani, Chair, WG-WATS (Iran)

as the members for evaluation of the nominations received for WatSave Awards 2019. The Chair of the Panel will present his report to the Council introducing the works for which the awards have been recommended.

7. 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 5.2: Presentation of the Award for the Best Paper in the ICID Journal “Irrigation and Drainage”

8. Out of the papers published in the ICID Journal “Irrigation and Drainage” during the year 2018, the best paper to be recognized by the Best Paper Award for 2019, will be announced by Chair of EB-JOUR, PH Prof. Dr. Bart Schultz.

IEC Agenda Item 5.3: Recognition of World Heritage Irrigation Structures (WHIS)

9. In accordance with the provisions in the revised WHIS Scheme approved vide Resolution No. IEC-2/69 of the 69th IEC meeting, the Management Board constituted a Panel of Judges comprising VP Dr. Brian T. Wahlin, Chair, PCSO (USA) as the Chair and VP Dr. Kamran Emami, Chair, WG-HIST (Iran), PH Dr. Gao Zhanyi (China), VP Dr. Marco Arcieri (Italy), VP Mr. Waseem Nazir (Pakistan) as members and Secretary General, ICID as Member-Secretary for the evaluation of the nominations invited under WHIS Scheme for the year 2019. The Chair of the Panel of Judges VP Dr. Brian T. Wahlin, PCSO Chairman, will present the report to the Council about the identified historical irrigation and drainage structures that will be accorded recognition as “World Heritage Irrigation Structures” and later included in the ICID Register of WHIS on Council’s approval. The representatives of the NCs whose WHIS have been recognized and recommended to be included in the ICID Register of WHIS will be handed over a “Plaque/Certificate” to this effect.

Second Session: 07 September 2019, 09:00 – 12:30 hours

IEC Agenda Item 6: Action Taken Report on the decisions of 69th IEC and the decisions taken by the Management Board (MB)

10. Actions on all the decisions by the 69th IEC were initiated/completed during the year. A brief report on the action taken on the decisions of the 69th 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 7: Report by the Secretary General

11. Secretary General Er. Ashwin Pandya will briefly present the Annual Report 2018-19, already circulated, and also present the physical and financial progress on activities undertaken during the period from April 2019 till date to the Council, including report on cooperation and collaboration with various international organizations.

IEC Agenda Item 8: Presentation on Strategy Theme “Basin”

12. Co-Theme Leaders of Strategy Theme “Basin”, VP Er. Naoki Hayashida (Japan) and VP Dr. Kamran Emami (Iran) will make a presentation on Strategy Theme “Basin” 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 9: International Research Program for Irrigation and Drainage (IRPID) Scheme

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

IEC Agenda Item 10: Reports by the Chairs of Permanent Committees

IEC Agenda Item 10.1: Permanent Finance Committee (PFC)

14. VPH Laurie Tollefson, Chairman, PFC will present his report on the 40th meeting of the PFC (to be held on 05 September). The agenda of PFC is given at **Appendix I, page 13**.

IEC Agenda Item 10.2: Permanent Committee on Strategy and Organization (PCSO)

15. VP Dr. Brian T. Wahlin, Chairman, PCSO will present his report on the 30th meeting of PCSO (to be held on 05 September). The agenda of PCSO is given at **Appendix II, page 35**.

IEC Agenda Item 10.3: Permanent Committee for Technical Activities (PCTA)

16. VPH Dr. Ding Kunlun, Chairman, PCTA will present his report on the 39th meeting of PCTA (to be held on 06 September). The agenda of PCTA is given at **Appendix IX, page 81**.

IEC Agenda Item 10.4: Discussions and Decisions on the Recommendations of the Permanent Committees

17. 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 7. Draft Resolutions (DRs) on the Financial Matters of ICID presented through PFC Report and on the Organizational and Technical Matters of ICID presented through the Reports of PCSO and PCTA, are placed as **DR-1/70 and DR-2/70 (pages 11 and 12)**.

Third Session: 07 September 2019, 13:30 – 17:00 hours

IEC Agenda Item 11: A Road Map to ICID Vision 2030: Activities under ICID Action Plan 2018-2022 – A Review

18. The 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf), which was launched during the plenary session of the 68th IEC meeting at Mexico City, Mexico in 2017, included the new vision, mission, organizational goals and strategies to put 'Vision into Action', besides the Action Plan 2017-21 enlisting the activities identified by RWGs and WGs committed to be achieved over a period of five years. As decided at the last IEC meeting at Saskatoon, Canada; the existing monitoring mechanism to monitor the Action Plan is to continue and the report on the progress of activities under Action Plan 2018-22 will be presented by the Strategy Theme Leaders and WG Chairs to respective Permanent Committees.

19. The Action Plan appended to the Vision Document is designed to be living and dynamic and rolling in nature and the Council to monitor the Acton Plan 2018-22 annually and review the same triennially, as envisaged in in 'Road Map to ICID Vision 2030'. Accordingly, the Council may monitor the progress achieved in the activities identified under the Action Plan 2018-22 based on the reports of the WG Chairs and Strategy Theme leaders presented at PCSO and PCTA and provide its guidance and inputs in optimizing the activities to put 'Vision to Action' within the time frame.

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

20. TF-GPP held its third virtual meeting on 29 March 2019 to plan the High-Level Advisory Group (HLAG) meeting during WIF3 at Bali, Indonesia and decide the theme for the HLAG meeting. In consultation with the host NC, INACID, TF-GPP finalized the theme for the HLAG meeting as "*Policies of Agriculture Water Management to End Rural Poverty*", and decided to convene the HLAG meeting on 02 September 2019. Accordingly, Invitation letters had been issued to the Hon'ble Ministers of Agriculture / Water Resources / Irrigation from ICID NCs, which was subsequently followed up by INACID at government level as per the protocol to be followed in this respect.

21. The TF subsequently held a meeting in July 2019 to review the preparations for the HLAG meeting and it is expected that the Ministers/Senior Officials from about 20 NCs of ICID would participate in the ministerial round table/HLAG meeting, based on the responses received at the Central Office.

Supp: 21A.TF-GPP further reviewed the status and preparations for HLAG meeting on 7 August 2018.

22. President Felix, Chair of TF-GPP will present the report of the Task Force to the Council for its consideration.

IEC Agenda Item 13: Independent Service Unit (ISU) related to ICID Mission

23. Vide Resolution IEC-1/69, the Council approved 'in principle' the recommendation of Special Task Force on Independent Service Unit (STF-ISU), for the development of a detailed project proposal in consultation with NCs and obtain necessary statutory approvals for the potential launch of Independent Service Unit (ISU) as part of 70th ICID Celebrations of ICID.

24. Accordingly, a Detailed Project Report (DPR) for the establishment of ISU has been prepared, after considering its techno-economic feasibility and legal process for its registration permissible under the law of the land and is available at http://www.icid.org/isu_project_report.pdf for Council's information. The responses and suggestions obtained from various stakeholders (Office Bearers, NC representatives, International partners) through Questionnaires and direct interactions with the participants during 9th IMIC at Aurangabad, India in January 2019 formed the basis for developing the DPR. The Draft DPR was discussed with NCs through Web-ex meetings in three groups, and brief of these consultations and discussions are given as Appendix II of DPR. The MB at its first meeting of 2019 (MB-1/19) held on 12 April 2019 at Rabat, Morocco expressed its satisfaction over the steps and actions undertaken towards the potential launch of ISU at Bali, Indonesia during 70th Council meeting.

25. ISU, as per the DPR approved by STF-ISU in June 2019, would provide professional consulting services and undertake capacity development training and professional certification. Out of the options available under the Indian Law, the legal experts have opined that it would be most appropriate to incorporate the ISU under Section 8 of the Company Act, 2013. Under this setup, the revenues generated by ISU would be used to further mandate of ISU which primarily will include the capacity development activities essential for meeting ICID's organizational goals and fulfill the mission adopted in the Road Map to ICID Vision 2030. Once fully operational, ISU, while bridging the existing gap in the services required in the AWM sector and being provided by the market, will fulfill ICID's organizational goal of Strengthening and Capacity Development of NCs. It would, thereby, reduce the operating expenses of ICID and improve its long-term financial sustainability. As the main objective of ISU is to support the National Committees, and it will be run in partnership with the NCs, who are envisaged to play a crucial role in the working of ISU. NCs will act as partners and technical coordinators on behalf of ISU in their respective countries.

SUPP: 25A. As a part of discussion during meeting of STF-ISU, DPR was circulated to all members of the STF-ISU and Office Bearers. Mr. Momir Vranes (Australia), VPH Mr. Ian Makin (UK), VP Dr Brain Wahlin (USA) and VP Mr. Waseem Nazir (Pakistan) provided their views/suggestions on the DPR for establishment of ISU. VP Mr. Waseem Nazir also shared a working paper detailing risks and their implications for both the ICID and the proposed ISU and an alternative conceptual model for proposed ISU.

In view of the views and suggestions received from Members of the STF-ISU and Office Bearers, approach for establishment of ISU was reviewed and renewed consultations were made with the financial advisors and other experts in order to explore the modular approach for establishment of ISU. Experts suggested phasing out of the service provision by making use of revised provision under Income Tax Act where ICID can generate incidental additional income by providing its fee-based services up to the extent of 20% of its total receipts. Based on the discussions with the experts, following two phases for providing services by ICID were suggested and discussed in the meeting of STF-ISU in August 2019:

- (i) **Phase I:** Start ISU as a Service Unit (SU) of ICID and provide services for generating incidental income up to the extent of 20% of total receipts of ICID. Note on proposal for Phase I can be accessed through link <https://www.icid.org/ISU-1.pdf>.
- (ii) **Phase II:** Once SU reaches a turnover equivalent to 20% of ICID receipts (likely period of this phase is 3-4 years), incorporate ISU as a separate legal entity under Indian Companies Act as suggested in the DPR, if considered necessary.

26. The Chair of STF-ISU, President Hon. Dr. Saeed Nairizi will present STF's report to the Council for its consideration and approval.

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

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

- (i) 5th African Regional Conference on Irrigation and Drainage, Marrakech, Morocco, 16-19 March 2020
- (ii) 71st IEC and 24th Congress, Sydney, Australia, 22-28 September 2020

28. Representatives of ANAFIDE 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.

29. ICID Central Office has invited nominations for hosting future ICID events vide e-mail and subsequent reminders dated 5 December 2018; 28 February 2019 and 20 May 2019.

- (i). 27th European Regional Conference (2021 onwards)
- (ii). 72nd International Executive Council (2021)
- (iii). 14th International Drainage Workshop (2022 onwards)
- (iv). 73rd International Executive Council and 4th World Irrigation Forum (2022)
- (v). 74th International Executive Council and 25th Congress (2023)

30. In response to the call for nomination for future events, the Moroccan National Committee on Irrigation and Drainage (ANAFIDE) has shown interest to host the 73rd International Executive Council and 4th World Irrigation Forum (W(F4)) in 2022 at Agadir, Morocco from 25 September to 1 October 2022. The duly filled 'Form A' has been submitted by ANAFIDE in this respect. Representative of ANAFIDE will present the bid to the Council.

SUPP: 30A. The Chinese National Committee on Irrigation and Drainage (CNCID) has submitted their formal proposal to host the 73rd IEC and WIF4 at Beijing in September 2022, along with the duly filled in 'Form A'. Representative of CNCID will present its bid to the Council.

30B. ANAFIDE vide their e-mail dated 23 August 2019 has decided to withdraw their bid for 73rd IEC and WIF4 in 2022 as it considers that having China as the host NC for WIF4 will also serve the ICID objectives and vision and foster cooperation between ICID NCs and in particular between ANAFIDE and CNCID. However, they indicated their desire to host 72nd IEC along with 10th International Micro Irrigation Conference (IMIC) in 2021 and for which they will submit the formal proposal, as required by ICID By-laws and Constitution.

31. With regard to hosting of the 72nd IEC in 2021, no National Committee has come forward till the time of preparation of agenda notes. As per ICID By-law 5.2.1, the proposal to host Council meeting must be received at least two years in advance.

32. As per ICID By-law 5.3, in the absence of an invitation received for a Congress/WIF or Council meeting to enable a timely decision being made, the President and the Secretary-General will take steps to secure an invitation.

33. In view of the above, the Council may deliberate for holding the 72nd IEC in 2021 or else, the event will be held at the seat of the Central Office on dates to be fixed by the Secretary-General in consultation with the President as per By-law 5.6.

IEC Agenda Item 15: Celebrating 70th Year of ICID's Formation – To plan out the activities

34. The 69th IEC Meeting held at Saskatoon, Canada, decided to celebrate the 70th Year of ICID Formation (ICID70), beginning from 24 June 2019 and concluding at 24th ICID Congress and 71st IEC Meeting in September, 2020 in Sydney, Australia. In January 2019, the activity started with a promotional video <https://www.youtube.com/watch?v=WzmTrpSJ5Ps#video_1> of Secretary General's 'Invitation to join ICID's 70th Anniversary Celebration' requesting National Committees, Office Bearers, Partner organizations, Direct Members to actively participate in ICID70 activities.

35. The Central Office has already streamlined the activities in a time bound manner including preparation work for the release of the second edition of the special publication on "*Water Saving in Agriculture*", a coffee table book (*with photos and major accomplishments of each National Committee, historical background and establishment of ICID including its early years*) and a short video film highlighting the history and journey of ICID, since its inception in 1950. Besides, all the NCs are also encouraged to organize special events involving past and present Office Bearers and other stakeholders to promote ICID and its activities during the year of celebrations. Various Working Groups (WGs) of ICID are requested to pen their historical journey and proud achievements with young professionals giving in their contribution in the form of audio-visual materials and testimonials.

36. The year-long celebrations would provide an excellent opportunity to reconnect with the past and new members of ICID as well as various water sector stakeholders, and act as a catalyst in its future years of growth.

37. Secretary General will briefly present to the Council the progress of the activities planned as part of the year-long celebrations for Council's consideration and guidance.

IEC Agenda Item 16: Election of the Office-Bearers 2019-2022

38. The three-year term (2016-2019) of three Vice Presidents listed below will conclude at the end of the 70th IEC meeting at Bali, Indonesia and its appurtenant study tours, as per the provisions of Article 7.2.3 and 7.2.4 of the ICID Constitution.

- (a) Dr. (Mrs.) Irene G. Bondarik (Russia)
- (b) Mr. Waseem Nazir (Pakistan)
- (c) Eng. Madhav Belbase (Nepal)

39. In response to the Central Office's circular inviting nominations for the positions of three Vice Presidents for the term 2019-2022, the following nominations were received in the Central Office by the due date of receipt i.e. 7 May 2019, in compliance with ICID By-laws 2.3.1.

Sl. No.	Nominee	Country	Date of receipt in the Central Office	Validity (including Clause 13.1 of the By-law)
1	Prof. Dr. Hesham Mostafa Mohamed Ali	Egypt	24 March 2019	Valid
2	Dr. Mochammad Amron	Indonesia	6 May 2019	Valid

40. The following nomination of H.E. Dr. Shavkat Rakhimovich Khamraev was considered under By-law 2.5 – *Nomination by President*, wherein the nomination can be received up to one month prior to the IEC meeting.

Sl. No.	Nominee	Country	Date of receipt in the Central Office	Validity (as per Clause 2.5 of the By-law)
3	Dr. Shavkat Rakhimovich Khamraev	Uzbekistan	28 May 2019	Valid

41. Since there are only three candidates for three vacant positions of Vice Presidents, the voting will take place only to decide the seniority of the three candidates as per By-law 2.8.

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

IEC Agenda Item 17.1: Retiring Vice Presidents

42. Citation plaques will be presented to the retiring three Vice Presidents for their services and guidance to the ICID activities during their tenure 2016-2019.

- (a) Dr. (Mrs.) Irene G. Bondarik (Russia) Vice President 2016-2019
- (b) Mr. Waseem Nazir (Pakistan) Vice President 2016-2019
- (c) Eng. Madhav Belbase (Nepal) Vice President 2016-2019

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.

- Dr. Fuqiang Tian (China), Chairman, Working Group on Water for Bio-fuel and Food (WG-BIO-FUEL) (2015-2018)

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



Annex 1 [IEC Item 6, Para 10]

**ACTION TAKEN REPORT ON THE DECISIONS ON THE
MINUTES OF 69TH IEC MEETING**

Sl. No.	Item	Decisions	Action Taken
1.	Recognition of Heritage Irrigation Structures (HIS)	Approved the inclusion of the identified World Heritage Irrigation Structures in "ICID Register of World Heritage Irrigation Structures".	Included in the Register maintained at ICID website.
2.	Resolution IEC-1/69 (Sr. No.1)	Approved the nomination of Prof. Muhammed Bin Musa (Morocco) and Mr. Abdul Malik Saddat Idriss (Indonesia) as members of PFC.	Prof. Musa and Mr. Idriss have been informed about their admission as members of PFC.
3.	Resolution IEC-1/69 (Sr. No.2)	Approved the nomination of Mr. Sajid Ali Bhutto (Pakistan) as a direct member.	The decision has been communicated to Mr. Bhutto and certificate to this effect has been issued to him.
4.	Resolution IEC-1/69 (Sr. No.3)	Approved the declaring of NCs of Chad, Madagascar and Tanzania as 'Associate Members' from 1 January 2019 in accordance with By-laws 13.2	NCs of Chad, Madagascar and Tanzania were requested to clear membership subscription for current year and also the arrears for the last four years. Chad has cleared the arrears for 2015 this year. Their current year and last three years' membership subscriptions are still due.
5.	Resolution IEC-1/69 (Sr. No.6)	Approved the revised registration fee structure for WIF3 in 2019 and registration fee structure for 5 th African Regional Conference in March 2020	The decision of IEC has been communicated to the host NCs of Indonesia for WIF3 and Morocco for 5 th AFRC.
6.	Resolution IEC-1/69 (Sr. No.7)	Approved the recommendations of STF-ISU for 'in principle' approval for the development of the detailed proposal and obtain necessary statutory approvals as well as from MB in consultation with NCs for potential launch of ISU as part of 70 th ICID Celebrations at Bali, Indonesia.	The appropriate actions have been taken for the potential launch of ISU during the plenary session of 70 th IEC as part of 70 th year celebrations of ICID.
7.	Resolution IEC-1/69 (Sr. No.9)	Approved the engagement of M/s. P.K. Chopra and Company as statutory auditors for a second term of three years from 2018-19 to 2020-21.	An agreement has been signed with M/s. P.K. Chopra and Company for their engagement as statutory auditors for three years from 2018-19 to 2020-21.
8.	Resolution IEC-2/69 (Sr. No.1)	Approved the nomination of VP Dr. Brian T. Wahlin as the Chair of PCSO during his tenure of membership of PCSO, in terms of By-laws 3.9.5(c).	The decision has been communicated to VP Dr. Brian T. Wahlin, who is also ex-officio member to various committees, including the Management Board.
9.	Resolution IEC-2/69 (Sr. No.2)	Approved the Letter of Agreement (LoA) for hosting Congresses/World irrigation Forums/ Regional Conferences/ International Micro Irrigation Conferences/ International Drainage Workshops between ICID and the Host NC.	Notified among NCs and all stakeholders.
10.	Resolution IEC-2/69 (Sr. No.3)	Approved the revised and renamed 'World Heritage Irrigation Structures (WHIS)' Scheme.	Notified among NCs and included in the ICID Handbook of Procedures.
11.	Resolution IEC-2/69 (Sr. No.4)	Approved the re-establishment of WG on Irrigation and Drainage in the States under Socio-economic Transformation (WG-IDSST) and establishment of (i) WG on Non-Conventional Water Resources for Irrigation (WG-NCWRI); (ii) TF to Guide ICID Inputs to 9th World Water Forum (TF-WWF9); (iii) WG	Notified the establishment of WG-IDSST, WG-NCWRI, TF-WWF9 and WG-RWG and will be holding their first meetings during 70 th IEC. The TF on Legislative Framework on ADM for European Region is being reviewed by the ERWG, owing to

Sl. No.	Item	Decisions	Action Taken
		on Rain Water Harvesting (WG-RWH) and TF on Legislative Framework on Agricultural Drought Mitigation for European Region, under Strategic Theme – Basin, with revised mandates.	the overlap in mandates with certain WBs.
12.	Resolution IEC-2/69 (Sr. No.5)	Approved in principle, the establishment of the new WBs with mandates on the topics, viz. (i) WG on Adaptive Flood Management (WG-AFM) and (ii) TT on Transboundary Water Management and Effect on Agriculture Water Management (TT-TWM-AWM).	Notified the establishment of WG-AFM and TT-TWM-AWM. WG-AFM will be holding its meeting at Bali.
		Approved in principle to Investigate the need for the establishment of the WG on Value Engineering (WG-VE) subject to completion of output of TF-VE and resubmission of the revised scoping document for getting support of at least 10 National Committees to nominate experts from their countries to the activities of the respective WG.	Scoping Document is being prepared and is expected to be presented at the meeting of PCTA for its consideration.
13.	Resolution IEC-2/69 (Sr. No.6)	Approved the closure of TF-WWF8.	TF has been formally closed, with the acceptance of the closure reports.
14.	Resolution IEC-2/69 (Sr. No.7)	Approved the merger of WG-BIO FUEL with WG-WATER & CROP.	Notified the merger among the stakeholders.
15.	Resolution IEC-2/69 (Sr. No.9)	Approved in-principle establishment of IRPID Regional Nodes for North Africa proposed by Egypt, Mediterranean countries proposed by Italy and Central Asian (CA) & Caucasus Regions proposed by Tajikistan.	The decision has been communicated to the NCs of Egypt, Italy and Tajikistan for establishment of IRPID RNs in the regions of North Africa, Mediterranean, and Central Asia and Caucasus, respectively.
16.	Resolution IEC-2/69 (Sr. No.10)	Approved the constitution of the Task Team to look into financial aspect of special contribution to ICID budget from ICID events and fixation of Registration Fees in the local currency of host NCs till the time of opening of the registration with corresponding US Dollar.	TT has been constituted under PFC and the TT Chair will present his report at the PFC meeting at Bali.
17.	Resolution IEC-2/69 (Sr. No.11)	Approved the constitution of a Task Team to develop promotional material and review ICID web presence.	ICID Website is in the process of revamping and the need of such a TT is being probed under PCSO, as it will only further delay the process of the ongoing process.
18.	Resolution IEC-2/69 (Sr. No.12)	Approved the Theme and Questions of 25th ICID Congress in 2023 and Theme and Sub-Themes for WIF4 in 2022.	Noted.
19.	Resolution IEC-2/69 (Sr. No.11)	Approved privacy policy of the data as included in the minutes of EB-JOUR as given in Annex R2.5, page 46.	The same has been notified and uploaded on ICID website.
20.	Resolution IEC-3/69 (Sr. No.1)	Adopted the amendments to the 'By-laws 3.9.5 (c) - The Permanent Committee on Strategy and Organization (PCSO)' to include the Coordinator YPeF as a member of PCSO.	Accordingly, ICID By-laws have been updated and uploaded on ICID website and circulated among NCs and stakeholders.



Annex 2 [IEC Item 6, Para 10]

**IMPORTANT DECISIONS TAKEN BY THE
MANAGEMENT BOARD ON BEHALF OF IEC
BETWEEN
69TH IEC MEETING (SASKATOON, AUGUST 2018) AND
70TH IEC MEETING (BALI, SEPTEMBER 2019)
(And the actions taken thereon)**

Decision	Request
I. Virtual Management Board Meeting No.4/18, 01 November 2018 (via Web Conferencing)	
(a) MB approved the composition and terms of reference for the setting up of the Task Team to look into Financial Aspects of Special Contribution to ICID Budget from ICID Events (TT-FASCIB).	Endorsement by IEC is solicited.
(b) MB approved the broad composition and mandates for the constitution of the Task Team on Transboundary Water Management and Effect on Agriculture Water Management (TT-TWM-AWM)	Endorsement by IEC is solicited.
(c) MB approved the revised IYPeF Scheme.	Endorsement by IEC is solicited.
II. Management Board Meeting No.1/19, 12 April 2019, Rabat, Morocco	
(a) MB approved the mandate for Working Group on Adaptive Flood Management (WG-AFM) for the establishment of the WG, as it has fulfilled the requirement of participation of at least 10 NCs for establishing a new WG.	Endorsement by IEC is solicited.
(b) MB approved the constitution of an International Technical Advisory Committee (ITAC) for 24 th ICID Congress, together with its composition and terms of reference.	Endorsement by IEC is solicited.
(c) MB concurred with the work undertaken towards the potential launch of ISU during 70 th IEC meeting in Bali, Indonesia in September 2019.	Endorsement by IEC is solicited.
(d) MB decided that ICID may undertake WSH program as a separate one under ICID banner, independent of currently on-going WHIS Program, rather than as a member initiative with WWC without any substantial support from WWC side.	Endorsement by IEC is solicited.
(e) MB approved the joint activities, with involvement in Drought and Climate Change, which may be adequately reflected in the revised MoU between ICID and WMO.	Endorsement by IEC is solicited.
(f) MB approved ANAFIDE's request to change the venue of the 5th African Regional Conference from Rabat to Marrakech.	Endorsement by IEC is solicited.



DR-1/70 [IEC Item 9.4, Para 17]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-1/70: 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 _____ and _____ 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) Maharashtra Water Resources Regulatory Authority (MWRRA) (Institution 3 years)
 - (ii) Ningbo Yaofeng Hydraulic Electrics Co. Ltd, China (Company 3 years)
 - (iii) Dr. M L Kansal (Individual Life Member)
 - (iv) Dr. Ajay Pradhan (Individual Life Member)
3. That the National Committees of _____ and _____ be declared as “Associate Member” from 1 January 2020 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 2018-19 as given in **Annex 1** (of PFC Agenda), **page 25**.
6. To approve the Revised Budget of ICID for the Financial Year 2019-20 and the Budget for the financial year 2020-21 as given in **Annex 2** (of PFC Agenda), **page 30**.
7. To approve the Registration Fee Structure for the _____, _____ to be held at _____ (place and date).
8. To approve the Detailed Project Report for the establishment of the Independent Business Unit (STF-IBU) _____.
9. To approve the recommendation of the Task Team to look into Financial Aspects of Special Contribution to ICID Budget from ICID Events (TT-FASCIB), as given in under Agenda Item 10, Para 75 and 76 (of PFC Agenda), page 21.

Appreciates

1. Korean National Committee (KCID) and Korean Rural Community (KRC) Corporation for financial support for and organising International Young Professional Training Programme (YP-TP) and International workshop at Seoul, Korea in April 2019.
2. Chinese National Committee (CNCID) for providing financial support for organisation of International Young Professional Training Programme and International workshop at Seoul, Korea in April 2019
- 3.

Requests

1.
2.
3.



DR-2/70 [IEC Item 9.4, Para 17]

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

THE Council

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

Considering the endorsement by the Management Board; and

Decides unanimously

1. To approve the membership changes of various work bodies of PCSO and PCTA (*to be prepared as an outcome of PCTA and PCSO recommendations*).
2. To approve the Action Plan 2018-22 activities identified by RWGs and WGs under PCSO and PCTA committed to be achieved over a period of five years.
3. To approve the new/existing workbodies with revised mandate on the topics under thematic area of _____ :
 - (i)
 - (ii)
 - (iii)
- 4.

Appreciates

- 1.

Requests

- 2.
- 3.



**AGENDA FOR THE 40TH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)
05 September 2019: 09:00-11:00 hours (Session I)
05 September 2019: 11:15-13:15 hours (Session II)
Bali, Indonesia**

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, 2014); (2) Vice President Mr. Naoki Hayashida (Japan, 2014); (3) Vice President Dr. Irene Bondarik (Russia, 2014); (4) Vice President Engr. Husnain Ahmad (Pakistan, 2014); (5) Mr. Ali Reza Salamat (Iran, 2016); (6) Dr. Marco Arcieri (Italy, 2017); (7) Prof. Mohamed Benmoussa (Morocco, 2018); (8) Mr. Abdul Malik Sadat Idris (Indonesia, 2018); and (9) Er. Ashwin B Pandya, Secretary General, ICID.

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

Average Exchange Rate of 1 US\$ for the last fifteen months					
Month	Indian Rupee	Month	Indian Rupee	Month	Indian Rupee
April 2018	65.68	September 2018	72.10	February 2019	71.23
May 2018	67.52	October 2018	73.58	March 2019	69.66
June 2018	67.31	November 2018	71.97	April 2019	69.43
July 2018	68.68	December 2018	70.78	May 2019	69.79
August 2018	69.47	January 2019	70.63	June 2019	69.53

1. A conversion rate of US\$1 = ₹ 65 was assumed in the forecast for the FY 2018-19 on the basis of the exchange rate in the preceding 15 months commencing from April 2017 to June 2018. 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 the 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 2018 to June 2019, an exchange rate of US\$ 1 = ₹ 70 has been assumed for the Revised Budget (proposed) for the FY 2019-2020, Budget for FY 2020-21 and Preliminary Budget for 2021-2022 and Forecast Budget for the FY 2022-2023.

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

3. According to By-law 3.9.3 (b), PFC shall comprise of the Secretary-General (SG) and a minimum of nine and a maximum of fifteen elected members. Presently there are only 09 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. In response of minutes of 69th Executive Council meeting (IEC) at Saskatoon, Canada, nominations have been called vide email dated 13th May 2019, so far only two new nominations (Mr. Delbert M. Smith, P.E., USA NC (USCID) and Mr. Gao Lihui, China NC (CNCID)) have been received for the membership of PFC till the time of preparation of the agenda notes as per ICID By-laws 3.9.3 (b).

5. The term of the Chairman of PFC, Vice President Hon. Laurie Tollefson will be coming to an end with the conclusion of 71st Executive Council meeting (IEC) at Sydney, Australia in September 2020. As per ICID By-laws 3,9,3(b), “The Chairperson of this Committee shall be chosen at the Executive Council meeting either from among Office-Bearers (preferably those in offices) elected to this Committee or others who shall have been in service on the Committee at the time of appointment of the Chairperson”. Accordingly, the Committee may choose a Vice Chairman, who can then take over as Chairman PFC during the next meeting of the Committee at Sydney, Australia in September 2020 for a smooth transition.

PFC Agenda Item 2. Report on the Direct Membership Administering (DMA) Sub - Committee

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

7. This year, the CO has received the following applications for Direct Membership which have been found to be complete in all respects and approved by Direct Membership Administering (DMA) sub-Committee for provisional direct membership.

Sl. No.	Name of Applicant	Country	Type of Membership Applied for
1.	Maharashtra Water Resources Regulatory Authority (MWRPA)	India	The institution (3 years)
2.	Ningbo Yaofeng Hydraulic Electrics Co. Ltd.	China	Company (3 years)
3.	Prof. (Dr.) Mitthan Lal Kansal	India	Individual (Life Membership)
4.	Dr. Ajay Pradhan	India	Individual (Life Membership)

8. As informed during 39th PFC meeting at Saskatoon, Canada, Dubai Municipality, UAE and Institute of Hydraulics and Rural Management, Austria have also been granted Direct Membership.

Supp. 8A: The application form of Agricultural Growth of Rural India (AGRI), C-7, 1st Floor, Near Sai Chowk, Madhu Vihar, I.P. Extension, New Delhi - 110092 India for DM was sent to Indian National Committee for communicating its NOC, which has been received now. The DM application is also approved by the DMA Sub-Committee as per the guidelines laid down for the purpose.

Application form of Islamic Development Bank Group, Jeddah, Saudi Arabia also received and Performa subscription notification was also sent to remit the membership subscription which is likely to be received soon.

Jain Irrigation Systems Ltd. have still not paid their renewal membership subscription, however, they have assured that they are in the process to renew their membership very soon. We will consider them as associate member and the benefit will be stopped, if we do not receive the subscription by the end of September 2019.

9. The following 19 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	Dayu Water-Saving Group Co. Ltd.	China	Company (3 years)
2	WAPCOS Limited	India	Company (3 years)
3	Electrosteel Castings Limited	India	Company (3 years)
4	Jain Irrigation System Ltd.*	India	Company (3 years)
5	India Water Foundation	India	The institution (1 year)
6	Central Board of Irrigation and Power (CBIP)	India	The institution (3 years)
7	Asian Development Bank (ADB)	Multilateral	The institution (3 years)
8	Irrigation Australia Ltd	Australia	Company (Dual Membership)
9	Dubai Municipality	UAE	The institution (3 years)
10	Institute of Hydraulics and Rural Management	Austria	The institution (3 years)

Sl. No.	Name of Direct Member	Country	Category and duration of Membership
11	Mr. Deepak Khare	India	Individual (Life Membership)
12	Prof. P.K. Bordoloi	India	Individual (Life Membership)
13	Dr. Ashish Pandey	India	Individual (Life Membership)
14	Prof. Umesh Chandra Chaube	India	Individual (Retiree) (Life Membership)
15	Prof. Lal Bahadur Roy	India	Individual (Life Membership)
16	Mr. Y. Abdul Basheer	India	Individual (Retiree) (3 years)
17	Mr. Aytakin Turgay	Turkey	Individual (Life Membership)
18	Prof. Dr. Klaus Rottcher	Germany	Individual (3 years)
19	Mr. Sajid Ali Bhutto	Pakistan	Individual (Retiree) (3 years)
* Renewal under process			

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

10. **Active NCs in Arrears:** At the time of writing the agenda notes, a total of 18 active National Committees are in arrears of subscription for 2016, 2017 and 2018 as indicated in paras below:

11. The total amount of arrears for the year 2018 (other than the current year) at the time of preparation of agenda, is US\$ 40,978/- with the NCs of *Croatia, Fiji, Iran, Ireland, Italy, Mali, Mexico, Myanmar* (who agreed to pay in five installments of US\$1,293 each, already four installments received), *Romania, Somalia and Uzbekistan*.

Supp. 11A: The Committee may like to note that the Italian National Committee of ICID (ITAL-ICID) has cleared their outstanding dues of subscription for the year 2018.

12. The total amount of arrears at the time of preparation of agenda is US\$ 12,320/- for the NCs of *Slovenia and Ukraine* for the years 2017 and 2018 and US\$ 4,240 for the NC of *Tajikistan* for the years 2015 and 2016. The PFC may consider recommending IEC to apply By-law 13.1 to above National Committees debarring them from holding office whether it be as an Office Bearer or as a member of a working body until such time the arrears are paid.

13. Malaysian National Committee (MANCID) has raised certain concerns regarding revised annual membership subscription which is about 111.90% of pre-revised subscription. Efforts were made to discussed and resolve this significant increase in the revised subscription with MANCID representative of Malaysian National Committee may like to clarify the issues. The PFC will take decision/advises regarding revised subscription of Malaysian National Committee.

14. **NCs relegated to associate member status:** During the 69th IEC at Saskatoon, Canada, it was decided that The National Committees of Madagascar and Tanzania would be considered as "Associate Member" from 01st January 2019 in case dues are not cleared by them by 31st December 2018. The National Committees of Madagascar and Tanzania are relegated to category of "Associate Members" w.e.f. 01st January 2019 since they have not cleared their past dues, in line with decision of 69th IEC at Saskatoon, Canada (Resolution IEC-1/69).

15. At the time of preparation of the agenda notes, *Chad, Ethiopia, Malawi, and Niger* continue to be in membership subscription arrears for the years -- 2016, 2017 and 2018 and the total amount of arrears is US\$ 20,495/- besides the membership subscription for the year 2019. *The NC of Chad*, which was going to become an associate member with the arrears of the years – 2015, 2016 and 2017 during 39th PFC, has remitted annual their subscription only for the year 2015, hence it continued as an active member but at present they are again in arrears of three years- 2016, 2017 and 2018. Several requests have been made to these NCs to clear their balance of subscription. The PFC may consider recommending IEC to apply By-law 13.2 to above National Committees debarring them from holding office whether it be as an Office Bearer or as a member of a working body until such time the arrears are paid.

Supp. 15A: The Committee may like to note that the Malawi National Committee on Irrigation and Drainage (MALCID) has cleared their all outstanding dues of subscription for the year 2016, 2017, and 2018 and also for the current year 2019.

16. Saudi Arabia became an Associate Member of ICID with effect from 01 January 2018. As reported during the 38th PFC which was held on 9th October 2017 at Mexico City, Mexico, However, the Secretary-General approached and requested to the Royal Embassy of Saudi Arabia in New Delhi to clear the arrears of membership for the years

2014, 2015, 2016, 2017 and 2018 so as to become an active member of ICID. Accordingly, The Saudi Arabian National Committee (SACID) has cleared their dues of US\$ 21,865 up to 2018 and now is an active member of ICID. This is for information of the Committee.

Supp 16A. Senegal and Serbia have expressed their desire to re-join ICID network and have been advised about the options available. However, their subscription is pending much beyond 3 years. In order to encourage their membership, they can also be considered as new members rather than charging the arrears for the years in which their membership lapsed to non-member status beyond the associate member status.

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

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

17. Mexican National Committee of International Commission on Irrigation and Drainage (MXCID) has made a special contribution to ICID budget amounting to 35% share of US \$ 1,64,055/- out of US\$ 57419/- from the registration fee collected for the 68th IEC and 23rd Congress meetings held in Mexico City, Mexico held during 08-14 October 2017. The Committee may like to record its appreciation to MXCID for the successful organization of 68th IEC and 23rd Congress meetings and special contribution to the ICID budget.

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

18. The 8th Asian Regional Conference (ARC) was held Kathmandu, Nepal held during 02-04 May 2018. The Nepal National Committee of ICID (NENCID) has agreed to pay a special contribution to ICID budget amounting to 5% share from the registration fee collected, which is under process and expected to be received shortly. The Committee may like to record its appreciation to NENCID for the successful organization of 8th Asian Regional Conference (ARC) and agreement to make special contribution to the ICID budget.

PFC Agenda Item 4.3. 69th IEC, Saskatoon, Saskatchewan, Canada, 12-17 August 2018

19. Canadian National Committee of International Commission on Irrigation and Drainage (CANCID) has made a special contribution to ICID budget amounting to US\$ 30,217/- equivalent to 15% of the registration fee collected for the 69th IEC meeting held in Saskatoon, Saskatchewan, Canada held during 12-17 August 2018. The Committee may like to record its appreciation to CANCID for the successful organization of 69th IEC meeting and making special contribution to the ICID budget.

PFC Agenda Item 4.4. 9th International Micro Irrigation Conference, Aurangabad, Maharashtra, India, 16-18 January 2019

20. Indian National Committee on Surface Water of International Commission on Irrigation and Drainage (INCSW) will be making a special contribution to ICID budget amounting to 5% share from the registration fee collected for the 9th International Micro Irrigation Conference, Aurangabad, Maharashtra, India held during 16-18 January 2019. INCSW has been informed vide email dated 09th July 2019 for making a special contribution to the ICID budget at the earliest. The Committee may like to record its appreciation to INCSW for the successful organization of 9th International Micro Irrigation Conference. INCSW representative will brief the PFC and provide the latest updates on special contribution to the ICID budget.

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

21. The financial arrangements for the 71st IEC, 24th Congress, Sydney, Australia, 22-28 September 2020 were already approved as per minutes of the 37th meeting of the PFC of 67th IEC Meeting. The financial arrangements for the 5th African Regional Conference (5AfRC) at Rabat, Morocco in March 2020 was also approved as per minutes of the 39th meeting of the PFC of 69 IEC Meeting. However, MB in its meeting held in April 2019 at Rabat, Morocco considered ANAFIDE's request to change the venue of the 5th African Regional Conference from initially approved venue in Rabat (by 69th IEC) to Grand Hotel Savoy in Marrakech, which is considered to be very attractive and touristic place in terms of accommodation options and flight services, and approved the same. . Registration fee structure of these events is reproduced below in a tabular format.

Venue / Year	Sydney, Australia, September 2020	Marrakech, Morocco, March 2020
Event	71st IEC and 24th Congress	5 th African Region Conference
		Revised Rate*
Full Registration	\$ 800	\$ 350

Non-Member Fee	\$ 900	\$ 400
Young Professional (International)	\$ 400	\$ 175
Young Professional (Local)	--	\$ 100
Local Delegates	\$ 800	\$ 150
Retired Professionals (International)	\$ 400	\$ 150
Retired Professional (Local)	--	\$ 150
Accompanying Persons (International)	\$ 300	\$ 150
Accompanying Persons (Local)	--	\$ 150
Delegates from Low Income	--	\$ 300
*As approved in 39 th Meeting of PFC (69 th IEC)		

PFC Agenda Item 6. Consider the audited accounts of ICID for the Financial Year 2018-19

PFC Agenda Item 6.1: Auditor's Report

22. The Auditor's Report (abridged) for the financial year (1 April 2018 to 31 March 2019) is given at **Annex 1**. The PFC may consider and recommend the audited accounts for the year 2018-19 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:

23. The total annual subscription amount receivable from the 59 active National Committees for the year 2018 was US\$ 252,430. Against this, a sum of US\$ 199,650 was received by 31 March 2019. This shows 79.09% realization of the total subscription for the year 2018 as against a sum of US\$ 200,322 that is 78.73% of US\$ 254,457 for the year 2017, which is a matter of appreciation. PFC may note that 42 out of 59 active members paid their subscription for the year 2018 as on 30th June 2019. In addition, outstanding subscription arrears amounting to US\$ 50,540 for the year 2017, US\$ 21,350 for the year 2016 and US\$ 5,905 for the year 2015 were also received as on 30 June 2019.

PFC Agenda Item 7. Budget and Expenditure for the Financial Year 2018-19

PFC Agenda Item 7.1: Comparison of budget estimates and actual expenditure for FY 2018-2019

24. A summary of the outlay for 2018-19 approved by IEC in the last meeting and payment made up to 31 March 2019 is presented at **Annex 2**. Against the anticipated receipts of ₹ 81.24 million (US\$ 1,249,846), the actual receipts were ₹ 83.14 million (US\$ 1,279,127). There is an overall surplus of ₹ 13.64 million (US\$ 209,914) in the FY 2018-19. The actual payments made during 2018-19 were ₹ 69.50 million (US\$ 1,069,213) against the anticipated budgeted payment of ₹ 74.19 million (US\$ 1,141,354).

SPECIAL SUBSCRIPTION

25. A sum of ₹ 0.34 million (US\$ 5,000) was received in March 2019 as a Special Subscription for technical support of activating YP Activities from Japan National Committee of International Commission on Irrigation and Drainage (JNC-ICID), Japan.

26. A sum of US\$ 20,000 out of US\$ 25,250 was received in October 2018 as a Special Subscription from Food and Agriculture Organisation (FAO) for organizing a study tour on Solar Powered Irrigation Systems for FAO delegation to highlight good practices, gain insights into how the potential of SPIS is realized (through targeted policies, innovative financing and user arrangements, etc., to promote and regulate such systems) and how risks are addressed. The study was fully completed by 30th June 2019 and balance payment received.

PFC Agenda Item 8. Budget proposals and forecasting for the current and coming years

27. PFC may consider the budget for FY 2019-2020 and recommend it to IEC for approval. PFC may also consider the proposed budget for FY 2020-2021 and recommend it to IEC for approval. The preliminary budget for the FY 2021-22 and forecasts budget for FY 2022-2023 is also presented for information.

PFC Agenda Item 8.1: The revised Budget proposal for the current FY 2019-20

RECEIPTS

28. **Membership Subscription:** A sum of ₹ 22.93 million (US\$ 327,557) is anticipated to be received from the annual membership subscription with respect to 56 active NCs and Direct Members and as Special subscription from members.

29. **Sale of Publications:** An amount of ₹ 1.06 million (US\$ 15,071) 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'.

30. **Special contribution to the Budget:** A special contribution of ₹ 9.78 million (US\$ 139,750) is expected from registration fees from NCs hosting various ICID events such as 70th IEC and 3rd World Irrigation Forum, Bali, Indonesia 2019.

31. **Interest on Fixed Deposit:** It is estimated that an amount of ₹ 6.04 million (US\$ 86,343) would be received as interest on FDs with the PSU banks under the head 'Interest on fixed deposits'.

32. **Other Receipts:** An amount of ₹ 6.71 million (US\$ 95,800) is likely to be received in this year which is mainly on account of a refund from the income tax department and Security Deposits towards to be revised agreement of Rent. The nominal amount is proposed under other miscellaneous receipts for bank saving account interest.

33. **Rent Receipts:** A receipt of ₹ 56.46 million (US\$ 806,586) is anticipated during FY 2019-2020 from the rent for leasing out the part of the office premises at the Central Office building to M/s Yes Bank Ltd. Ten percent of the rent amount is directly payable to Land & Development Office, New Delhi as their tax; and at the same time, there would be the Property Tax payable to New Delhi Municipal Committee (NDMC) as well.

EXPENDITURE

34. **The compensation package for Secretary-General:** An amount of ₹ 4.20 million (US\$ 59,971) is estimated for payment to Secretary General.

35. **Salary of staff:** Central Office is operating with 18 staff members during the FY 2018-19. An amount of ₹ 23.58 million (US\$ 336,814) is budgeted for staff salary for the FY 2019-2020. The budget provision also includes provision for career progression scheme (CPS)/ performance incentive. An increase of about eight percent is assumed due to the anticipated pay increments and inflations.

36. **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 2019-2020 is ₹ 3.82 million (US\$ 54,614).

37. **Services and Maintenance:** A provision under the head 'Services and Maintenance' is budgeted as ₹ 7.93 million (US\$ 113,243) which is mainly due to the renewal of annual maintenance contracts of various service providers and the increased expenditure on account of inflationary pressure. This also includes ₹ 1.55 million (US\$ 22,143) 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 a temporary basis. The budget provision also includes a small provision for dissolution of EPF Trust which is to be undertaken.

38. **Taxes and Utilities:** A provision of ₹ 18.53 million (US\$ 264,771) is proposed for the year against the provision of ₹ 17.57 million (US\$ 270,308) during 2018-19. This includes an allocation of ₹ 4.98 million (US\$ 71,200) towards payment to Land & Development Office (L&DO) which is 10% of the total rental receipts from the let out the property to M/s Yes Bank Ltd. A provision of ₹ 13.00 million (US\$ 185,714) is made towards the payment of property tax, which is approximately 38% of the total rent.

39. **Rehabilitation, Refurbishing, and Maintenance of ICID CO Building:** A provision of ₹ 0.83 million (US\$ 11,857) has been made towards this head. This includes a provision of ₹ 0.80 million (US\$ 11,429) under the sub head 'Maintenance of ICID Central Building Expenses' is budgeted as and additional provision of ₹ 0.03 million (US\$ 423) for maintenance of Rain Water Harvesting system.

40. **Publication, Knowledge Management, and Dissemination:** A sum of ₹ 4.74 million (US\$ 67,743) is budgeted under this head. This comprises with provision of a major portion of ₹ 2.48 million (US\$ 35,457) towards the purchase of copies of the ICID Journal from the publisher, M/s Wiley-Blackwell (UK). This also includes provision for Software as a Services and Website maintenance of ₹ 0.90 million (US\$ 12,857) for making an efficient work environment in the Central Office. Hence, the ICID is adopting cutting-edge technology in information technology. This also includes small provision for publication of work bodies.

41. **Conference Expenditure:** An allocation of ₹ 2.70 million (US\$ 38,571) has been made for estimated expenditure during this financial year towards expenditure for 70th IEC and preparation of plaques and accordingly budgeted under respective heads.

42. **Cooperation with Other Organizations:** An expenditure of ₹ 0.11 million (US\$ 1,571) is estimated in this financial year for World Water System Heritage Programme and WWC membership fee, consequently budgeted under corresponding heads.

43. **Travel Expenditure:** A revised provision of ₹ 2.40 million (US\$ 34,286) against approved provision of ₹ 2.90 million (US\$ 44,615) has been made in view of travel both within India and abroad to attend the international meetings by Secretary-General and other professional staff of CO, particularly for attending the 70th IEC at Bali, Indonesia.

44. **Fixed Assets:** A provision of ₹ 2.90 million (US\$ 41,429) has been made to cover anticipated expenditure in respect of purchase of office equipment, furniture and fixtures, IT hardware mainly to make knowledge portal operational and for architectural consultancy including cost for obtaining statutory approvals from concerned government agencies for expansion of CO building.

45. **Workshops, Training and Studies:** An amount of ₹ 5.70 million (US\$ 81,429) has been provided under this head, out of which ₹ 3.00 million (US\$ 42,857) has been provided towards the organization of various workshops and training for young professionals including their travel, Regional and National Level Activities and staff participation in workshops and training, ₹ 2.30 million (US\$ 32,857) towards the ICID 70th Year Celebration and Foundation Day functions, ₹ 0.40 million (US\$ 5,714) to undertake some specific studies and work related to bring up-to-date Multilingual Technical Dictionary (MTD).

46. **Independent Service Unit (ISU):** An amount of ₹ 0.30 million (US\$ 4,286) has been provided in this financial year to meet expenditure related to establishing a new service unit of ICID- ISU.

47. **Other Expenditure:** An amount of ₹ 1.39 million (US\$ 19,786) has been provided for this financial year. Essentially, the major cost is under subheads 'Subscription Written Off and Exchange Fluctuation Loss. There is notional amount based on ICID earlier experience and which includes bank charges for foreign exchange.

PFC Agenda Item 8.2: The budget proposal for FY 2020-21; preliminary budget for FY 2021-22 and budget forecast for FY 2022-23

48. The budget proposal for FY 2020-21; preliminary budget for FY 2021-22 and budget forecast for FY 2022-23 has been estimated as shown in **Annex 2**.

RECEIPTS

49. **Membership subscription:** During the year 2020-2021, 2021-2022 and 2022-2023 receipts from membership subscription has been estimated as ₹16.42 million (US\$ 234,543) for all three years considering 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.

50. **Sale of Publications:** An amount of ₹1.06 million (US\$ 15,071) is projected to be received from M/s Wiley-Blackwell as royalty from sale of publications for all three years, based on the projections and the agreement (2019-25) with M/s Wiley-Blackwell.

51. **Special Contribution to ICID Budget:** An amount of ₹ 16.45 million (US\$ 234,929) and ₹ 0.20 million (US\$ 2,857) are expected to be received during FY 2020-2021 as ICID share from registration fee from the 71th IEC & 24th Congress, Sydney, 2020 and 5th African Regional Conference in Marrakech, Morocco in March 2020 respectively. So far host NC for 72nd IEC and 73rd IEC and WIF4 have not been finalized yet. However, anticipated receipts from these events as ICID share of registration fees have been tentatively considered as ₹ 2.00 million (US\$ 28,571) from the 72nd IEC in the Financial Year (FY) 2021-2022 and ₹ 8.00 million (US\$ 114,286) from the 73rd IEC and 4th WIF in the FY 2022-2023.

52. **Interest on Fixed Deposits:** It is estimated that interest from fixed deposit from funds parked in Canara Bank would be about ₹ 6.04 million (US\$ 86,343) for the financial years 2020-21 & 2021-22 and ₹ 6.93 million (US\$ 98,986) for the FY 2022-23, which amount is higher as compared to year 2020-21 & 2021-22 as additional security deposits would be received from M/s Yes Bank Ltd. due to upward revision of rent.

53. **Other Receipts:** An amount of ₹ 0.89 million (US\$ 12,700) in the both FY 2020-2021 & FY 2021-2022 are likely to be received under this head which is mainly receipt from Yes Bank rent and expected refund from the income tax department. An amount of ₹ 5.51 million (US\$ 78,686) is likely to be received in the FY 2022-2023 under this head which is mainly on account of a refund from the income tax department and additional security deposits from Yes Bank consequent to upward revision of the rent.

54. **Rent from Let-out of Office space:** Rent from M/s Yes Bank Ltd. is likely to be received as ₹ 58.14 million (US\$ 830,529) in the FY 2020-2021 & 2021-22 for both years and ₹ 66.63 million (US\$ 951,786) in the FY 2022-23. The rent is projected to be higher during FY 2022-23 as compared to the earlier years, due to agreed increase in rent by 18% on account of renewal of the lease agreement for the next three years.

55. **Loan for Extension of Building:** It is expected that construction of new block of CO building will start during FY 2020-21 and it is expected that 70% work will be completed during FY 2020-21 and balance 30% during FY 2021-22. The estimated cost of the new block is ₹ 140 million (US\$ 2,000,000) for which it is proposed to arrange loan from bank. Accordingly, requirement of the Loan amount of ₹ 100 million (US\$ 1,428,571) in the FY 2020-2021 and ₹ 40 million (US\$ 571,429) during FY 2021-22 has been considered in the budget proposals.

EXPENDITURE

56. **Compensation package for Secretary General:** The sums of ₹ 4.38 million (US\$ 62,543), ₹ 4.58 million (US\$ 65,400) and ₹ 4.86 million (US\$ 69,386) are estimated towards payment to Secretary General for the FYs 2020-2021, 2021-2022 and 2022-2023, respectively. The provision includes possible increase in Dearness Allowance due to inflation.

57. **Salaries and Allowances:** The sums of ₹ 24.40 million (US\$ 348,597), ₹ 26.62 million (US\$ 380,251) and ₹ 26.18 million (US\$ 374,057) are projected under this head for the FYs 2020-2021, 2021-2022 and 2022-2023, respectively.

58. **Superannuation relief to retired employees:** ICID Central Office is giving superannuation relief to its retired employees who joined before 16th July 1997. The amounts budgeted under this head for the FYs 2020-2021, 2021-2022 and 2022-2023 are ₹ 3.90 million (US\$ 55,643) ₹ 4.23 million (US\$ 60,429) and ₹ 4.61 million (US\$ 65,800) respectively.

59. **Services and Maintenances:** The sums of ₹ 7.38 million (US\$ 105,357), ₹ 7.66 million (US\$ 109,386) and ₹ 7.95 million (US\$ 113,600) have been provided for FYs 2020-2021, 2021-2022 and 2022-2023, respectively towards building maintenance, stationary purchases, outsourcing of watch and ward services; horticultural services, equipment, fees to legal advisor/auditors, maintenance of vehicles, telephones and postage, executive expenses, annual maintenance of equipment etc. This also includes the Hardware upgradation of Computer Systems in the Central Office, in order to keep abreast with the latest configuration. This also includes ₹ 1.02 million (US\$ 14,571) estimated to be paid to short-term consultants engaged for specific jobs on a temporary basis, as their professional fee.

60. **Taxes and Utilities:** Proposed budgeted amount under this head are ₹ 18.73 million (US\$ 267,600), ₹ 18.78 million (US\$ 268,314) and ₹ 19.58 million (US\$ 279,729) for the FYs 2020-2021, 2021-2022 and 2022-2023, respectively mainly for payment towards property tax, L&DO payment and electricity and water charges.

61. **Rehabilitation, Refurbishing and Maintenance:** A sum of ₹ 0.83 million (US\$ 11,857), ₹ 1.33 million (US\$ 19,000) and ₹ 1.33 million (US\$ 19,000) is budgeted under this head for the FYs 2020-2021, 2021-2022 and 2022-2023, respectively mainly for maintenance of ICID CO building including external, internal distemper and whitewash in alternating years and others works.

62. **Publication, Knowledge Management and Dissemination:** Proposed budgeted amounts for payments under this head are ₹ 4.47 million (US\$ 63,829), ₹ 4.51 million (US\$ 64,429) and ₹ 4.86 million (US\$ 69,414) for the FYs 2019-2020, 2020-2021 and 2021-2022, in that order. Under this head, key provision of ₹ 2.55 million (US\$ 36,419) averagely, have been made for the guaranteed payment towards subscription to M/s Wiley & Blackwell (UK) towards ICID Journal. These provisions are estimated to surge as the number of ICID Journal subscriptions are likely to increase in proportion with the rise in direct membership and young professionals.

63. The budgetary provisions of ₹ 0.90 million (US\$ 12,857) has been made constant for three succeeding years concerning software development & website upgradation, purchasing software (SaaS or Cloud Version), etc.

64. **Conference Expenditure:** A sum of ₹ 3.70 million (US\$ 52,857) is budgeted to be spent in FY 2020- 2021 including ₹ 0.70 million (US\$ 10,000) for preparation of new plaque for HIS and provision of ₹ 2.10 million (US\$ 30,000) has been made in FY 2021-2022 including ₹ 0.10 million (US\$ 1,429) for preparation of new plaque for HIS. The provision of ₹ 2.60 million (US\$ 37,143) has been made in FY 2022-2023 including ₹ 0.10 million (US\$ 1,429) for preparation of new plaque for HIS. Nonetheless, Venue and Host Country of 72nd & 73rd IEC are still to be decided.

65. **Cooperation with other Organizations:** A provision of ₹ 0.05 million (US\$ 714) has been made under this head for the FYs 2020-21 & 2021-2022 to cover expenses for WSH programme besides a provision of ₹ 0.11 million (US\$ 1,571) has been made for the FYs 2022-23 to cover expenses for WSH programme and WWC membership fee.

66. **Travel Expenditure:** An amount of ₹ 2.40 million (US\$ 36,923) is budgeted in FY 2020-2021 towards travel arrangements for meetings in India and abroad. This identical amount is further acknowledged during both FYs 2021-2022 and 2022-2023.

67. **Fixed Assets:** A provision of ₹ 101.90 million (US\$ 1,455,714) and ₹ 44.20 million (US\$ 631,429) has been made under this head for the 2020-2021 and 2021-2022 respectively mainly to cover cost associated with

architectural consultancy and construction of new block of CO building, procurement of SQL Server for Knowledge Portal and other assets used at ICID Central Office. A sum of ₹ 1.20 million (US\$ 17,143) is forecasted for FY 2022-2023 which includes payment of purchase of Server for Knowledge Portal and required assorted assets used at ICID Central Office.

68. **Workshops, Trainings and Studies:** A provision of ₹ 6.30 million (US\$ 90,000), ₹ 3.80 million (US\$ 54,286), and ₹ 3.80 million (US\$ 54,286) has been proposed for the FYs 2020-2021, 2021-2022 and 2022-2023 respectively under this head. This amount would be utilized mainly for organization of various workshops and trainings mostly for young professionals including their travel, Regional and National Level Activities, undertaking specific studies, staff training and participation in seminars and workshops, The ICID Foundation Day, etc. including work related to Multilingual Technical Dictionary (MTD).

69. **Independent Service Unit (ISU):** An amount of ₹ 0.30 million (US\$ 4,286) has been forecasted for the financial years 2020-2021, 2021-2022 and 2022-2023 to cover any incidental expenses in respect of ISU.

70. **Other Expenditure:** A provision of ₹ 1.31 million (US\$ 18,714) is made under this head for FY 2020-21 whereas it has been kept as ₹ 1.06 million (US\$ 15,143) for the FY 2021-22 & 2022-2023 which includes bank charges, exchange rate fluctuation apart from recruitment expenses etc.

PFC Agenda Item 8.3: Internal Transfers

71. ICID is maintaining a Gratuity Fund and Leave Encashment Fund treated in the Liability side of the Balance Sheet for many years even in the course of the deficit years. Provision for Gratuity and Leave Encashment has been updated as per the applicable provisions of the relevant Acts under The Constitution of India. The amount had been transferred and updated to these Gratuity Fund and Leave Encashment Fund during the financial year 2018-2019. For this purpose, an amount of ₹ 0.45 million (US\$ 6,914) was transferred from General Fund to Leave Encashment Fund and Gratuity Fund to maintain balance as per The Indian Labour Law. Even so, it is also essential to be ensured that the liability is regularly transferred to the Fund with the intention of avoiding any default on the compliance and due diligence of staff social security.

PFC Agenda Item 9. Surplus/Deficit and Cash Reserves

72. Taking into consideration the total Receipts of ₹ 102.98 million (US\$ 1,471,107) and Expenditure of ₹ 79.13 million (US\$ 1,130,371), a surplus of ₹ 23.85 million (US\$ 340,736) is projected for the FY 2019-2020. Likewise, surplus of ₹ 19.15 million (US\$ 273,546), ₹ 2.93 million (US\$ 41,834) and ₹ 23.70 million (US\$ 338,514) are anticipated in the FYs 2020-2021, 2021-2022 and 2022-2023, respectively. Lesser anticipated surplus during FY 2021-22 is due to smaller receipts of registration fees share to special contribution, cost incurred for expansion of the ICID Estate and arrears of annual subscription not expected.

73. The total cash reserve is only ₹ 42.11 million (US\$ 647,854), which is about 53.22% of the annual budget for FY 2019-20 as compared to the earlier year cash reserve of ₹ 40.38 million (US\$ 621,230) which was about 54.40% of the annual budget for 2018-19. Conversely, it is a reducing trend and this is not a desirable situation for the financial sustainability of the any organization. Meanwhile, there are large deviations in the yearly revenues attributable to tricyclic nature of events and consequent revenue. It is therefore proposed ~~acclaimed~~ that after meeting all the liabilities, the cash reserve may be allowed to be built up at least equal to the annual budgeted expenditure. This is being pursued in the light of recommendations of FATF.

PFC Agenda Item 10. Report of the Task Team to look into Financial Aspects of Special Contribution to ICID Budget from ICID Events (TT-FASCIB)

74. In compliance with the decision of 69th International Executive Council (IEC) Meeting held on 17th August 2018 (Resolution IEC-2/69, Saskatoon, Canada), a Task Team to look into Financial Aspects of Special Contribution to ICID Budget (TF-FASCIB) from ICID Events was set up, with the approval of the Management Board (MB) at its fourth virtual meeting (4/18) held on 01 November 2018, with VPH Laurie Tollefson, Chair PFC (Canada) as its Chair and VPH Chaiwat Prechawit (THAICID, Host NC of WIF2), VP Dr. (Mrs.) Irene Bondarik (RUCID, Host NC of 13th IDW), Dr. Luis Felipe Alcocer Espinosa (MXCID, Host NC of 23rd Congress), VP Madhav Belbase (NENCID, Host NC of 8th ARC), Dr. Warren Helgason (CANCID, Host NC of 69th IEC), Mr. Anuj Kanwal (INCSW, Host NC of 9th IMIC), Mr. Syaiful Mahdi (INACID, Host NC of WIF3), Mr. Bryan Ward (IACID, Host NC of 24th ICID Congress) and Er. Ashwin B. Pandya, Secretary General, ICID as its Members. The Terms of Reference (ToRs) of the TF-FASCIB are (a) To look into the financial aspect of special contribution to ICID budget from ICID Events in the form of share of registration fees etc. and its implications, commensurate with the inputs from ICID Central Office towards the successful organization of the ICID events, and (b) To evaluate the need, consequences and benefit of approving the initial registration fee in the local currency of host NC organizing the event and later converting it into US Dollar at the time of opening up of registration for a particular event to the public.

75. Virtual Meeting of the TF was organized on 27 June 2019 where SG Ashwin Pandya presented brief details of the background of setting up of the Task Team, past and present practices in respect share of ICID from registration fees and status of contribution received by ICID from various IEC with congresses, IEC with World Irrigation Forum (WIF) in 2013 and IEC with regional conference (RC). Background information provided to the TF is at **Annex 3**. TF noted that with the introduction of WIF in 2013 the share of ICID from events has remained almost same over 3 year's period.

76. TF deliberated on the issue and in the light of background information, actual realization of special contribution to ICID budget from events and input provided by the ICID CO in organizing events. As regards special contribution from events to ICID budget, TF noted that with the introduction of WIF, support to host NC and resources invested by ICID CO in successful organization of the event have significantly increased. ICID incurs considerable direct and indirect costs, including the man hours contributed by the Central Office Staff in terms of providing technical support to the host NC which include technical papers management, identifying, inviting and coordination with the keynote and other speakers, coordination and organization of supporting events and international workshops and so on; the costs for editing, formatting and printing the proceedings and promotional material; support for YP participation, etc. which eventually help in supporting the host NCs for the successful organization of ICID events, with a larger participation of delegates. The promotion of the event requires sustained effort for all the three preparatory years. In respect of approving registration fee in local currency during initial period and USD in later period, TT opined that generally registration is completed by the participants during last 4-5 months, mainly around last date for early bird discount. Thus, fixing registration fee in local currency or in USD may not have significant financial impact to host NC due to currency fluctuation except in case there is significant currency fluctuation due to some market crash or some other reasons. Based on deliberation TF decided as follows:

77. To continue with the present share of contribution from ICID events as indicated below.

- (i) 35 percent for IEC with World Irrigation Forum and Congress
- (ii) 15 percent in case of ordinary IEC with or without regional conference
- (iii) 5 percent in case of stand-alone Regional Conferences, International Workshops, Symposiums etc.

78. To continue with approving registration fee in USD as at present.

79. The TF Chair/SG, ICID will present the report of the meeting in the PFC.

PFC Agenda Item 11. Report of the Special Task Force on Independent Service Unit (STF-ISU)

80. The 69th IEC meeting held at Saskatoon in August 2018 vide Resolution IEC-1/69 has granted an 'in principle' approval for the development of a detailed project proposal and obtain necessary statutory approvals for potential launch of ISU as part of 70th year celebrations of ICID. Accordingly, ICID CO engaged SHG Mr. Avinash C. Tyagi to prepare detailed proposal for Techno-economic viability of Independent Service Unit (ISU) of ICID and M/s. U. Shankar and Associates to undertake registration process of Independent Service Unit (ISU) of ICID.

81. A questionnaire was prepared and sent to all NCs to get their suggestions and response to prepare report. Based on input received from NCs, input received from interaction with various stakeholders (Office Bearers, NC representatives, International partners) during 9th Micro Irrigation Conference held at Aurangabad, India in January 2019, and discussions held in ICID CO, SGH Tyagi prepared a draft report.

82. In order to get proper response and feedback from all NCs, it was also decided to have virtual meeting through web-ex platform with NCs grouped in 4-5 similar time zones so as to ensure maximum participation of NCs in the virtual meetings. These virtual meetings were conducted in May 2019. Based on discussions during virtual meetings with NCs and suggestions from NCs, draft final report detailed proposal of ISU was finalized and put up to STF-ISU for discussion in its meeting held on 23 May 2019. STF-ISU approved the report with few suggestions which have been incorporated in the final report of ISU, which can be accessed through "[ISU-DPR](#)" link.

83. M/s Uma Shankar and Associates has undertaken process of completion of document and registration of ISU with competent authorities for the potential launch of Independent Service Unit (ISU) at Bali, Indonesia during 70th IEC and 3rd WIF.

84. Secretary General Er. Ashwin Pandya will explain the Committee the salient features of ISU, its organizational structure, role of NCs in ISU and its relevance to ICID mission.

Supp. 84A: Taking into account the concerns raised and suggestions made by the members of STF, further consultations were made in details with the financial advisors and other Taxation experts, they were of the view that presently establishment of a separate unit is not essential. Alternatively, in light of the new amendments made by the Indian Government, an NGO (ICID falls under this category) can undertake the work on fee based services and undertake such work to the extent of 20% of ICID receipts during the previous year for generating incidental income. Based on the discussions with the experts, following two phases for providing services by ICID are suggested and will be discussed during the Bail meetings.

(i) **Phase I:** Start ISU as a Service Unit (SU) of ICID and provide services to our stakeholder for generating incidental income up to the extent of 20% of total receipts of ICID.

(ii) **Phase II:** Once SU reaches a turnover to the extent of 20% of ICID receipts in a year (likely period of this phase is 3-4 years), incorporate ISU as a separate legal entity under Indian Companies Act as suggested in the DPR, if considered necessary, otherwise.

This approach provides us with the reduction in overhead expenditure during the initial phase when the order book has not yet been built up and acts as a precursor to development of full-fledged operations.

In view of above it has been concluded that registration process of ISU may be put on hold for the time being and our advisors and consultants are requested to follow the same.

PFC Agenda Item 12. Report on the Status of addition to CO Building for financial sustainability of ICID

85. The Central Office of International Commission on Irrigation and Drainage (ICID), is located at 48, Nyaya Marg, Chanakyapuri, New Delhi on one Acre plot (43,560 square feet/ 4046 sq. meter) allotted by Land and Development Officer, Government of India. The existing building has been constructed in two phases. The first phase was constructed during the year 1964-66 whereas the second phase construction was done during 2002-03.

86. During the MB 4/15 meeting, post-66th IEC (4/15) in Montpellier, then President had suggested that the feasibility of expanding the Covered area of ICID Central Office Building be explored. As per the building bye-laws in force, and after the demolition of the unused caretaker block, the Central Office can add up to 1918 sq m of new covered area, half of which can be rented out. Subsequently, based on the approval of the Management Board in its meeting held on 5 July 2018 (MB-2/18), M/s Deependra Prashad Architects & Planners (DPAP) was engaged in August 2018 for Architectural Consultancy and Liaison works which includes detailed designing, obtaining approvals from New Delhi Municipal Corporation (NDMC) and various other Government of India Agencies, supervision and getting the completion Certificate of additionally constructed building in ICID Central Office premises for respective authorities.

87. Various options for extension of the CO building received from M/s DPAP were submitted to MB in its meeting held on 12 April 2019 at Rabat, Morocco (MB-1/19) and MB approved the option which will create more additional area of about 2715 sq. m so as to get more revenue by renting out the additional available area. The total cost of construction as per preliminary estimate shall be around Rs. 140 million and this amount is proposed to be arranged through a loan from Banks. From the additional rental income, ICID shall be able to repay the loan amount in a period of 5 years and thereafter it is expected that ICID shall be having additional income to the tune of about Rs. 43.50 million per annum. However, MB suggested that CO shall have more consultations with the banks and the Architect before firming up the design and layout and proceeding in the matter.

88. As advised by the MB, the issue has been discussed with the Banks to explore the possibility of a loan for construction of the new building and further consultations have been made with the Architect to firm up the design and layout. The Architect is now preparing detailed Drawings for submission to NDMC and L&DO for seeking the approval of the competent authorities. Number of Banks and financial institutions viz. Canara Bank, ICICI Bank, Kotak Mahindra Bank, and L&T Financial Services have been approached to explore the possibility of getting a loan for construction and to know their terms and conditions for providing a loan. However so far preliminary proposal from Canara Bank has been received and other banks are yet to submit their offers. Once all statutory approvals are received, banks would be approached to submit their final proposal. During discussions with the Banks, it also transpired that the Banks will be providing loans up to 75% of the estimated cost which is presently approx. Rupees 140 million.

89. It is expected that all statutory approvals may be obtained by 31 December 2019 and then tender for construction new building would be invited. Actual construction of the building is likely to start during April 2020 and the work shall be completed in 18 months' time. As per preliminary construction planning, 70% expenditure (Rs.100 million) will be done during the financial year 2020-21 and rest 30% (Rs.40 million) during the financial year 2021-22

90. Further updates and brief will be provided by Er, Ashwin B Pandya, Secretary-General, ICID during the meeting.

PFC Agenda Item 13. Miscellaneous Financial Issues

PFC Agenda Item 13.1: Dissolution of ICID EPF Trust

91. ICID EPF Trust (as a private trust) has been registered with the 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 an exemption from PF authorities in respect of their private trusts. Due to non-compliance, 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. ICID EPF Trust has paid all dues to its members. Hence, the ICID EPF Trust is in the process of dissolution, which is under progress. As per income tax department notices, liability for AY 2014-2015 & 2015-2016 is about of ₹ 03.81 million (US\$ 54,429) and case is under appeal with IT Department. This is for information of the Committee.

PFC Agenda Item 14. Any other business

Supp. Agenda Item 14.1A: CO is making constant and sincere efforts for FCRA renewal / restoration. Recently Government of India has opened a onetime window for similar organisations like ICID who have not been able to file returns on due to any genuine reason. Subsequently, their cases for renewal/ restoration will be considered. Utilizing this opportunity, CO is actively pursuing formulation of the returns and submission before the due date of 31st October 2019.

This is for the information of the Committee.

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 2019, 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.

- (i) In the case of Balance Sheet, of the state of affairs of the Society as at March 31, 2019; and
- (ii) In the case of Income and Expenditure Account, of the excess of Expenditure over income for the year ended on that date; and
- (iii) And in case of the Receipts and Payments Account, of the Receipts and Payments for the year ended on that date.

Further we report that

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

Place: New Delhi
Date: 17th May 2019

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

Sd/-
Arvind Mongia
Partner
Membership No. 085176

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
BALANCE SHEET AS ON 31ST MARCH 2019**

PARTICULARS		2018-19 Amount INR	2017-18 Amount INR
Assets			
Property & Equipment	1	9,829,590	11,016,757
Receivables	2	24,699,765	13,856,911
Bank Balances & Cash in Hand	3	84,149,599	75,930,397
Subscription Accrued		—	3,422,773
Total Assets		118,678,954	104,226,838
Liabilities			
Gulhati Memorial Lecture Fund	4	358,255	256,327
General Fund	5	57,043,515	47,781,706
Gratuity Fund	6	9,060,800	7,874,160
Leave Encashment Fund	7	7,103,806	6,258,806
Corpus Fund-WID Prizes	8	2,835,550	2,607,098
Exchange Fluctuation Reserve Fund		724,446	—
Security from Tenant	9	24,632,200	24,632,200
Unrealized Subscription	10	12,181,160	2,373,520
Sundry Creditor, Payables & Provisions	11	4,069,442	10,929,975
Duties & Taxes Payable	12	669,779	1,513,046
Total Liabilities		118,678,954	104,226,838

Significant Accounting Policies and Notes to Accounts forming part of Accounts-Annexure 45

As per our separate Report of even date
attached

For and on behalf of
International Commission on Irrigation and Drainage

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

Sd/-
Arvind Mongia
Partner
Membership No. 085176

Sd/
Balasaheb Anantrao Chivate
Director (Technical)

Sd/-
Ashwin Kumar Balwantray
Pandya
Secretary General

Place: New Delhi
Dated: 17th May 2019

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2018 TO 31ST MARCH 2019**

PARTICULARS		2018-19 Amount INR	2017-18 Amount INR
Income			
Membership & Subscriptions	13	19,490,246	16,673,089
Sale of Publication	14	13,418	1,063,971
Special Contribution to the Budget	15	6,178,416	62,700
Interest on Fixed Deposits	16	4,870,889	4,607,794
Other Incomes	17	1,041,088	23,918
Rent and Provision of Services on Let Out Property		49,263,828	49,263,828
Special Subscriptions		343,700	—
Total		81,201,585	71,695,300
Expenditure			
Opening Stock of Publications		—	251,130
Compensation for Secretary General	18	4,035,597	3,938,238
Salaries & Allowances	19	22,773,901	28,538,103
Superannuation Relief to Retd. Employees		4,416,948	3,397,226
Service & Maintenance	20	8,423,441	5,052,653
Taxes and Utilities	21	16,870,566	16,978,262
Rehabilitation or Refurbishing and Maintenance of ICID Center Office Building	22	283,072	3,529,600
Publication, Knowledge Management and Dissemination	23	3,513,626	4,156,766
Conference Expenditure	24	1,809,468	2,527,464
Cooperation with Other Organization		—	23,305
Travel Expenditure	25	1,653,563	1,303,723
Depreciation on Fixed Assets	1	1,378,293	1,486,452
Workshop, Training and Studies	26	4,908,560	956,568
Other Expenditure	27	193,485	5,705,712
Excess of Income over Expenditure		10,941,066	(6,149,902)
Total		81,201,585	71,695,300

Significant Accounting Policies and Notes to Accounts forming part of Accounts-Annexure 45

As per our separate Report of even date
attached

For and on behalf of
International Commission on Irrigation and Drainage

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

Sd/-
Arvind Mongia
Partner
Membership No. 085176

Sd/
Balasaheb Anantrao Chivate
Director (Technical)

-Sd/-
Ashwin Kumar Balwantray
Pandya
Secretary General

Place: New Delhi
Dated: 17th May 2019

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
RECEIPT AND PAYMENT ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2018 TO 31ST MARCH 2019**

PARTICULARS		2018-19 (Rs.)	2017-18 (Rs.)
RECEIPTS			
Cash & Banks (Balance Brought Forward)	28	75,930,397	75,760,429
Membership Subscriptions	29	17,709,864	16,742,447
Sale of Publications	30	13,418	1,089,818
Special Contribution to the Budget	31	6,680,016	62,700
Interest on Fixed Deposits	32	5,112,321	4,797,114
Special Subscription		343,700	—
Other Receipts	33	1,429,669	1,459,371
Rent and Provision of Services on Let Out Property	-	48,401,695	47,789,130
Income Tax Refund	34	1,150,720	—
Total		156,771,800	147,701,010
PAYMENTS			
Compensation package for Secretary General	-	4,035,597	3,938,238
Salaries and Allowances	35	22,410,162	27,224,770
Superannuation Relief to Retired Employees	-	4,416,948	3,397,226
Services & Maintenances	36	8,452,786	5,103,228
Taxes and Utilities	37	16,793,137	16,983,611
Rehabilitation or Refurbishing and Maintenance of ICID CO Building	38	283,072	3,529,600
Publications, Knowledge Management and Disseminations	39	3,506,298	4,158,824
Conference Expenditure	40	1,809,468	2,243,164
Cooperation with Other Organisation		—	23,305
Travel Expenditure	41	1,653,563	1,303,723
Workshops, Trainings and Studies	42	5,122,457	1,016,574
Purchase of Fixed Assets	43	191,127	1,276,721
Other Payments	44	3,947,587	1,571,629
Cash & Banks (Balance Carry Forward)	28	84,149,599	75,930,397
Total		156,771,800	147,701,010

Significant Accounting Policies and Notes to Accounts forming part of Accounts-Annexure 45

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage

For **P.K. Chopra & Co.**
Chartered Accountants
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Ashwin Kumar Balwantray
Pandya
Secretary General

Place: New Delhi
Dated: 17th May 2019

SUMMARY OF APPROVED BUDGET 2018-2019, ACTUAL RECEIPTS/ EXPENDITURE 2018-2019, PROPOSED REVISED BUDGET 2019-2020 AND PROPOSED BUDGETS 2020-2021, PRELIMINARY BUDGET 2021-2022 AND FORECAST BUDGET 2022-2023

	Approved Revised Budget 2018-2019	Actual Receipts/ Expenditure 2018-2019	Approved Budget 2019-2020	Proposed Revised Budget 2019-2020	Proposed Budget 2020-2021	Proposed Preliminary Budget 2021-2022	Proposed Forecast Budget 2022-2023
	₹	₹	₹	₹	₹	₹	₹
I RECEIPTS							
1. Membership Subscriptions	17,249,000	18,138,902	19,295,000	22,929,000	16,418,000	16,418,000	16,418,000
2. Sale of Publications	1,205,000	1,072,875	1,055,000	1,055,000	1,055,000	1,055,000	1,055,000
3. Special Contribution to ICID Budget	6,795,000	6,680,016	3,347,500	9,782,500	16,645,000	2,000,000	8,000,000
4. Interest on Fixed Deposits	4,852,000	5,112,321	5,167,000	6,044,000	6,044,000	6,044,000	6,929,000
5. Other Receipts	1,875,000	3,737,476	5,614,000	6,706,000	889,000	889,000	5,508,000
6. Rent and Maintenance Charges	49,264,000	48,401,695	58,132,000	56,461,000	58,137,000	58,137,000	66,625,000
7. Loan for Extension of Building	-	-	-	-	100,000,000	40,000,000	-
TOTAL RECEIPTS	81,240,000	83,143,285	92,610,500	102,977,500	199,188,000	124,543,000	104,535,000
II EXPENDITURE							
1. Compensation Package for Secretary General	4,136,000	4,035,597	4,343,000	4,198,000	4,378,000	4,578,000	4,857,000
2. Salaries and Allowances	24,707,000	22,773,901	27,538,000	23,577,000	24,401,800	26,617,600	26,184,000
3. Superannuation Relief to Retired Employees	3,568,000	4,416,948	3,747,000	3,823,000	3,895,000	4,230,000	4,606,000
4. Service & Maintenance	6,160,000	6,615,046	6,647,000	7,927,000	7,375,000	7,657,000	7,952,000
5. Taxes & Utilities	17,570,000	16,870,566	19,986,000	18,534,000	18,732,000	18,782,000	19,581,000
6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building	2,800,000	283,072	1,800,000	830,000	830,000	1,330,000	1,330,000
7. Publication, Knowledge Management and Dissemination	4,627,000	3,570,446	5,432,000	4,742,000	4,468,000	4,510,000	4,859,000
8. Conference Expenditure	2,100,000	1,809,468	2,800,000	2,700,000	3,700,000	2,100,000	2,600,000
9. Cooperation with Other Organisations	300,000	0	360,000	110,000	50,000	50,000	110,000
10. Travel Expenditure	2,400,000	1,653,563	2,900,000	2,400,000	2,400,000	2,400,000	2,400,000
11. Fixed Assets	800,000	191,127	1,500,000	2,900,000	101,900,000	44,200,000	1,200,000
12. Workshops, Training and Studies	3,870,000	5,134,427	4,000,000	5,700,000	6,300,000	3,800,000	3,800,000
13. Independent Service Unit (ISU)	-	-	-	300,000	300,000	300,000	300,000
14. Other Expenditure	1,150,000	2,144,711	1,050,000	1,385,000	1,310,000	1,060,000	1,060,000
TOTAL EXPENDITURE	74,188,000	69,498,872	82,103,000	79,126,000	180,039,800	121,614,600	80,839,000
Surplus/(Deficit)	7,052,000	13,644,413	10,507,500	23,851,500	19,148,200	2,928,400	23,696,000



**BACKGROUND INFORMATION PROVIDED FOR
VIRTUAL MEETING OF TF-FASCIB ON 29 APRIL 2019**

1. Chair of C-CONGR while providing the background on the Letter of Agreement between host NCs and ICID at the Committee meeting held at Saskatoon on 14 August 2018, indicated that it was important that ICID had a very active events program and that member countries should be competing vigorously for future events. However, this was not the case and currently no events are formalized after 2020. (Even though, presently there are bids in pipeline for 2022 WIF and regional conferences). After discussing this with several member countries, there was a view that the 35% share of registration fees payable to ICID was a disincentive to host forums and congresses.
2. It would be relevant to provide a historical context for the issue, as given in the succeeding paragraphs. In the initial years of ICID's formation, the source of income to ICID was from membership subscriptions and grants received from the National Committees, in the form of cash and office equipment, etc. During initial periods, the activities of ICID were also quite limited, incurring expenditure in tune with the receipts.
3. However, on account of considerable expenditure on account of printing Congress Transactions, which resulted in huge deficit in ICID budget, it was decided and approved at the 6th International Executive Council (IEC) meeting held at Montreux, Switzerland that 50% of the share of the registration fee for the 3rd Congress be given to the Central Office for meeting the expenses towards the printing of Congress transactions, etc. The decision was also in line with the practice followed by other International Organizations.
4. At the 55th IEC meeting held in Moscow, Russia in 2004, the then Chairman of PFC Mr. Peter Lee made a presentation on the need to augment the meeting receipts in order to meet the direct and indirect expenditure from ICID budget for the successful organization of ICID annual events. This was reported in IEC minutes as follows:
 5. "Vice President Hon. Peter S. Lee came to the issue of ICID share of registration fee and said that currently ICID received 50% share from the Congress fee, which however varied considerably from a high of US\$ 352,000 in Cairo (1996) to as low as US\$ 144,000 from Montreal Congress (2002). Analysis of 9 years registration fees that accrued from 1994 to 2002 showed that the average registration fees received in Congresses was US\$ 261,000, while in IEC meetings it was US\$ 234,000. In that cycle of 9 years i.e. 3 cycles of 3 years each, the 50% share yielded an average of US\$ 391,000 or 18% of total fees. However, since Montreal Congress receipt could be considered as an outlier and making an adjustment for that typical case, the 0/0/50% share from respectively 2 IECs and a Congress would have been 21% of the total fees. With the help of graphs, VPH Peter Lee explained how the same amount of share could also be received by varying the receipts from Congress and IECs. For example, he said, if instead of 50% from the Congress a receipt of 35% was assumed from the Congress and 10% from the other IEC meetings, on an average it would give the same income. Therefore, he proposed to go progressively to a formula of 10% / 10% / 50% of receipts from IEC/Congress as the ICID share of 3 years between 2006 and 2008, yielding 27% overall. Alternatively, he proposed that a fixed fee of US\$ 150,000 from Congress and US\$ 20,000 from each IEC could be charged that would guarantee to ICID US\$ 190,000, which was equivalent to 8% / 8% / 43% or equivalent to an overall 22% share. VPH Peter Lee further said that the ICID share for the next 3-year cycle i.e. 2009-11 provisionally could be considered at 20% / 20% / 40%, yielding 28% of the fee overall. Or alternatively, a fixed fee of US\$ 125,000 from Congress and US\$ 40,000 from each of two IEC meetings could be charged, yielding a guaranteed US\$ 205,000 at present prices, equivalent to 16%/16%/36% or 24% overall. He, however, added that this could be finalized in 2006 after the Beijing Congress for which already a 50% share for ICID had been decided."
6. However, this recommendation was kept in abeyance as the venues of 2005 and 2008 Congresses were decided on the basis of 50% share of registration fees. With the continued dismal receipt of actual share of registration fees compared to the projected ones in ICID Budgets for 19th ICID Congress at Beijing, China in 2005 and 20th ICID Congress at Lahore, Pakistan 2008, resulting into substantial deficit in ICID Budgets; the 60th IEC meeting at New Delhi, India in December 2009 also recalled the recommendation made at the PFC meeting in Sacramento in 2007 by Prof. Chandra Madramootoo, Convenor, Special Committee to Review the Revenue and Cost Options to Improve ICID's Finances and the subsequent discussions (as recorded under item 12 of Minutes of the PFC and Item 13 (External and Internal Reviews of ICID)) in the 58th IEC Minutes. The IEC decided after long deliberations that in the light of some of the key recommendations made by the Internal Review Committee and looking to the critical financial condition of the Commission, it had become imperative that the ICID share of registrations from ICID meetings be fixed as follows and the payments be made within three months of conclusion of an event.
 - (a) A 50% share of all registration fees for the Congress
 - (b) 15% share of registration fees for the IEC meeting (with or without Regional Conference), and
 - (c) 5% share in case of a separate Regional Conference / Micro irrigation Congress / International Drainage Workshop approved by IEC where ICID logo or banner was used.

7. With the introduction of World Irrigation Forum at Mardin, Turkey in 2013, the 64th IEC meeting (Mardin, Turkey) carried out an in-depth analysis about the share of registration fees as stipulated by ICID By-law 7.4, considering the (i) significant time resources invested by CO in supporting the efforts of the host NCs, (ii) the actual share contributed by the host NCs to ICID budget in the past, after the financial projections in the budgets, (iii) the financial feasibility of the events for the host NCs and (iv) special contributions being made by the host NCs to the ICID budget were being ploughed into supporting the activities of the ICID events. After proper analysis, the 64th IEC vide its Resolution IEC-1/64 decided:

- (a) To reduce the contribution of the host National Committees towards ICID Budget from 50 to 35 per cent of the total registration proceeds in case of Congress; and
- (b) To fix the contribution at 35 percent for the NCs hosting World Irrigation Forum and continue with a contribution of 15 per cent in case of ordinary IEC, and 5 percent in case of stand-alone Regional Conferences, International Workshops, Symposiums etc., as share of the total registration proceeds.

8. As could be seen from the narrative given above, the fixation of special contribution to ICID budget from ICID events as stipulated in ICID By-laws 7.4 has been time and again revisited and deliberated upon, before reviewing and deciding a number of times since the inception of the Commission.

9. It may also be noted that ICID incurs considerable direct and indirect costs, including the man hours contributed by the Central Office Staff in terms of providing technical support to the host NC which include technical papers management, identifying and inviting key notes and other speakers, organization of supporting events and international workshops and so on; the costs for editing, formatting and printing the proceedings and promotional material; support for YP participation, etc. which eventually help in supporting the host NCs for the successful organization of ICID events, with a larger participation of delegates. It has been seen that promotion of the event requires sustained effort for all the three preparatory years. National committees generally do not have adequate resources in place in the run up to the event and consequently the central office has to virtually own up the event in its initial phases and build the tempo based on which the success and revenues are generated. Thus, in the present circumstances, the central office plays a prime mover role. On the other hand, the actual realization of the contribution as against the projected and agreed one is generally remaining short as shown in **Annexure**. Thus, it is a moot point whether the support activities provided by the central office can be discounted further.

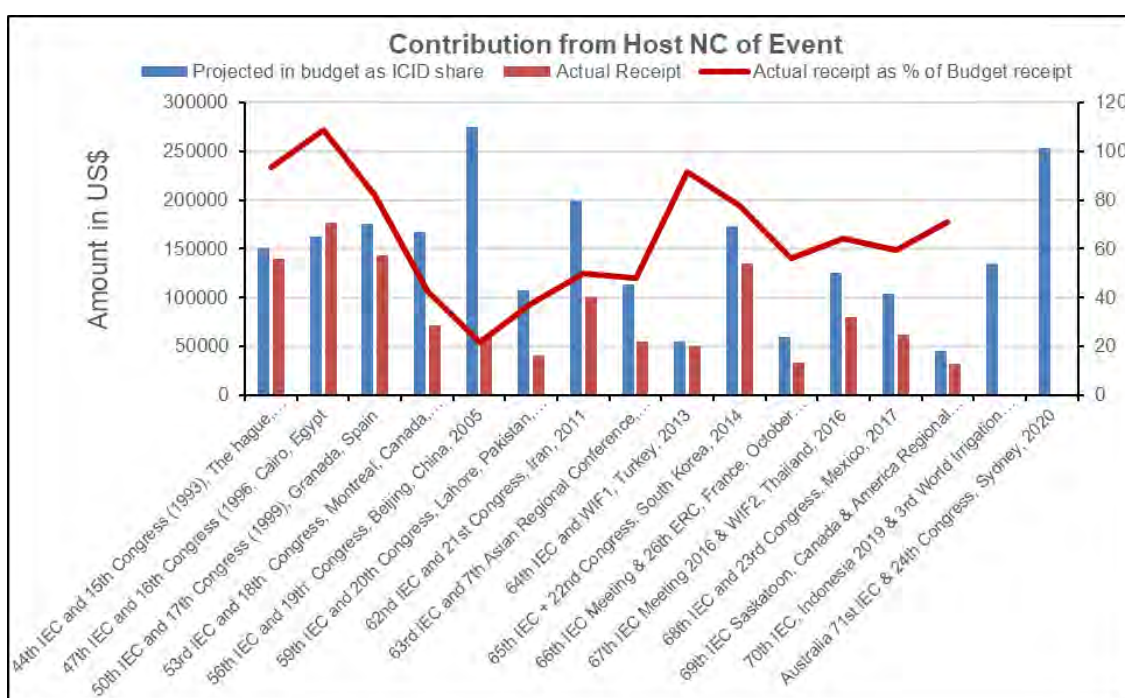


TASK TEAM TO LOOK INTO FINANCIAL ASPECTS OF SPECIAL CONTRIBUTION TO ICID BUDGET FROM ICID EVENTS (TT-FASCIB)

Contribution from Host NC of Event - Budgeted and Actual

(Figure in US \$)

Sl. No.	Conferences/Particulars	ICID share from event (%)	Projected in budget as ICID share	Actual Receipt	Sortfall (-)/ Excess (+)	Actual receipt as % of Budget receipt
1	44th IEC and 15th Congress (1993), The Hague, The Netherlands	50	150000	140000	10000	93.3
2	47th IEC and 16th Congress (1996, Cairo, Egypt	50	162500	176426	-13926	108.6
3	50th IEC and 17th Congress (1999), Granada, Spain	50	175000	143487	31513	82
4	53rd IEC and 18th Congress, Montreal, Canada, 2002	50	167500	71841	71841	42.9
5	56th IEC and 19th Congress, Beijing, China, 2005	50	275000	60000	63006	21.8
6	59th IEC and 20th Congress, Lahore, Pakistan, 2008	50	107337.5	40267	40267	37.5
7	62nd IEC and 21st Congress, Iran, 2011	50	200000	100000	201250	50
8	63rd IEC and 7th Asian Regional Conference, Australia, 2012	15	113475	54626	54689	48.1
9	64th IEC and WIF1, Turkey, 2013	35	55194	50594	60255	91.7
10	65th IEC + 22nd Congress, South Korea, 2014	35	173375	134844	134844	77.8
11	66th IEC Meeting & 26th ERC, France, October 2015	15	60000	33573	33573	56
12	67th IEC Meeting 2016 & WIF2, Thailand, 2016	35	124939	80159	74480	64.2
13	68th IEC and 23rd Congress, Mexico, 2017	35	104545	62187	62187	59.5
14	69th IEC Saskatoon, Canada & America Regional Conference 2018	15	45000	31909	31909	70.9
15	70th IEC, Indonesia 2019 & 3rd World Irrigation Forum	35	135000			
16	Australia 71st IEC & 24th Congress, Sydney, 2020	35	253000			



**AGENDA FOR THE 30TH MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**
05 September 2019, 14.00-18.15 hours
Bali, Indonesia

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 Dr. Brian T. Wahlin, Chairman (USA, 2017); (2) Mr. Amali Abraham Amali, Coordinator, IYPeF, Vice Chair (Nigeria); (3) Vice President Hon. Prof. Dr. Charlotte de Fraiture (The Netherlands, 2015); (4) Vice President Hon. Mr. Ian William Makin (UK, 2015); (5) Vice President Hon. Prof. Dr. Abdelhafid Debbarh (Morocco, 2015); (6) Vice President Dr. (Mrs.) Irena G. Bondarik (Russia, 2016); (7) Vice President Mr. Waseem Nazir (Pakistan, 2016); (8) Vice President Er. Madhav Belbase (Nepal, 2016); (9) Vice President Er. Naoki Hayashida (Japan, 2017); (10) Vice President Dr. K. Yella Reddy (India, 2017); (11) Vice President Dr. Marco Arcieri (Italy, 2018); (12) Vice President Dr. Kamran Emami (Iran, 2018); (13) Vice President Mr. Ahmed El Bouari (Morocco, 2018) and (14) Er. Ashwin B. Pandya, Secretary General, ICID.

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

Ex-Officio Members: Chairpersons of all Regional Working Groups and Working Groups/Committees.

PCSO Agenda Item 1: ATR on the Minutes of the 29th Meeting of PCSO

1. An Action Taken Report on the minutes of the 29th 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 Bali, Indonesia 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 70th 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 June 2019 is given in **Annex 2**. The statement below summarizes the region-wise membership status:

Region	Active	Associate Members	Total
Africa	13	04	17
Americas	03	03	06
Asia and Oceania	25	03	28
Europe	15	12	27
Total	56	22	78

5. During the first Cairo Water Week (CWW1) held in Cairo, Egypt in October 2018, the African Regional Working Group (AFRWG) has organized a three-day workshop for the newly established African Young Water Professionals Forum (Af-YWPF) along with its first meeting from 14-16 October 2018, attended by YPs from Chad, Ethiopia, Malawi, Mali, Niger, Madagascar Somalia, and Tanzania, with partial support from ICID. These YPs have been urged to get connected with ICID network in their respective country, and facilitate for their reactivation/membership of ICID. Eng. Amy Mchelle, Agricultural Engineer (Acting Assistant Director for

Research) from the National Irrigation Commission (NIRC), which hosts the Tanzanian NC of ICID, has responded positively in March 2019, about the reactivation of the membership of Tanzania, so as to continue enjoying the benefits of ICID membership. However, they are yet to clear the membership arrears and still remain as an Associate Member of ICID. VPH Dr. Mohamed Wahba has also used his good offices in enhancing the membership of ICID in Africa region and followed up with Tanzania, in particular. The response from others has so far been not encouraging and progress, if any, will be reported at the meeting.

6. Saudi Arabia became an Associate Member of ICID with effect from 01 January 2018. As reported last year, the Royal Embassy of Saudi Arabia in New Delhi was impressed upon the need for the Kingdom of Saudi Arabia to clear the arrears of the membership for the years 2014, 2015, 2016, 2017 and 2018 so as to become an active member of ICID. The Saudi Arabian National Committee (SACID) has cleared their dues up to 2018 and now is an active member of ICID. ICID acknowledges the key role played by the Royal Embassy of Saudi Arabia in New Delhi and the Ministry of Environment, Water and Agriculture, Saudi Arabia for their constant support to reactivate the membership of Saudi Arabia.

7. ICID has approached the authorities in Bhutan, Ghana, Mauritania, Singapore and Rwanda for their membership of ICID. The response from Mauritania, Rwanda and Singapore were initially encouraging. However, the duly filled in application forms for membership of ICID from these countries are yet to be received at ICID Central Office.

8. The Spanish National Committee has not been reactivated; though the Deputy Directorate General of Irrigation at the Ministry of Agriculture, Fishery and Food, Spain has expressed interest in joining as a direct member of ICID which is awaited. The Spanish Embassy in New Delhi agreed to provide ICID with services such as translation of ICID periodicals into Spanish for circulation among the Spanish speaking countries and uploading on ICID website. Since then few bulletins and concise ICID roadmap have been translated and circulated to Spanish speaking countries. ICID Central Office is still pursuing with the Spanish Embassy in New Delhi, who have continued to express their support in the activities of the Commission.

9. Secretary General has taken up the reactivation of Swiss National Committee of ICID with Prof. Dr. Bernard Lehmann, Secretary of State for Agriculture/Director General, Federal Office for Agriculture (FOAG), Education and Research (EAER), whom he had met at Rabat, Morocco in April 2019 and followed it up with a letter. However, the reactivation of Swiss NC is yet to be realized.

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

SUPP: 10A. Ms. Adey Mersha, a YP from Ethiopia, informed that she had taken up with the State Minister for Water and Irrigation of Ethiopia for clearing of membership dues of ICID since 2015 so as to avoid the relegation of Ethiopia as an Associate Member of ICID from next year.

10B. In response to a communication dated 25 July 2019 received from H.E. Mr. EL Hadji Ibou Boye, Ambassador of the Republic of Senegal in New Delhi informing that the Senegalese Authorities have in principle accepted ICID's invitation to become of member of ICID and sought more information about the membership modalities, which have been provided thenceforth.

10C. On receiving information from ADB contacts, Mr. Badruun Dashdorj, Director of International Cooperation, Ministry of Food, Agriculture and Light Industry of Mongolia, who will be attending WIF3 with two more delegates, has explored the possibility of Govt. of Mongolia could become a member of ICID so as to discuss the same during Bali events. They have been provided with the necessary information and it is expected that they will submit the formal proposal at Bali during 70th IEC.

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

11. Consequent upon the election of three new Vice Presidents at the 69th IEC meeting held at Saskatoon on 17 August 2018, the redistribution of the Regions / National Committees amongst the newly elected and current Vice Presidents for the year 2018-19 was affected. The NCs are always encouraged to hold web conference with ICID Central Office or the Vice President in-charge on any issue that they may want to discuss or seek clarification and the Central Office is always facilitating such web meetings.

12. VP Irene Bondarik has been pursuing ICID membership by holding talks with the authorities in Azerbaijan, Latvia, etc. VP Irene Bondarik will apprise the Committee about the progress, if any.

13. VP Waseem Nazir in-charge of ICID member countries in South Asia region approached Kuwait, Jordan and Saudi Arabia for familiarizing them with ICID activities and for membership of ICID. Saudi Arabia has already cleared their dues, and now an active member of ICID. VP Nasir will apprise the Committee about the outcome of his efforts in furthering the objectives of ICID in the region.

14. ICID has supported the regional cooperation amongst the NCs by organizing the training programs, workshops, research in irrigation and drainage. This has resulted in the in-principle approval to the establishment of the Regional Nodes under IRPID Scheme in Central Asia-Caucasus, Mediterranean and Africa Regions, with NCs of Tajikistan, Italy and Egypt taking the lead, by involving the countries located in that region and even soliciting the cooperation of countries beyond a particular geographic area.

15. To encourage regional cooperation among NCs in Africa region, ICID supported the YP Training Programs for African Young Water Professionals organized by African Regional Working Group under the chairmanship of VPH Dr. Mohamed Wahba in Cairo, Egypt from 14-16 October 2018. A five-day International Young Professionals Training Programme (YPTP) including one day workshop to improve the skills of the budding young irrigation professionals on the theme “Climate Resilient Smart Irrigation Systems” was organized by ICID in association with the Korean National Committee (KCID) and the Chinese National Committee (CNCID) at the Rural Community International Education and Exchange Center (RC-IEEC) in Republic of South Korea from 22-26 April 2019. The YP training programs has fostered the regional cooperation among the NCs all over the world, with participation from 17 member countries of ICID, viz. namely Afghanistan, China, Egypt, India, Iran, Italy, Korea (Republic of), Myanmar, Nigeria, Russia, South Africa, Sri Lanka, Sudan, Tajikistan, Ukraine, USA and Zambia.

16. The Ministry of Water Resources of China launched the Government Scholarship on Water Professionals under the “Belt and Road Initiative” jointly with the Ministry of Education of China in 2018. Under the Scholarship, designated government officials in charge of technical affairs in the water sector from the “Belt and Road” countries and other related countries have been offered Master Program at the Hohai University, the first university in China specially dedicated to the education of professionals in water-related sciences. The program is of 3 years’ duration. A number of ICID member countries have been approached for availing the Scholarship offered for the program.

17. In accordance with the ICID’s mission to promote exchange of information, knowledge and networking, it is reported that linkages among various NCs in Asian Regional Working Group (ASRWG) have been achieved profoundly. At Saskatoon in 2018, the Chinese Taipei Committee (CTCID) and the Indonesian National Committee (INACID) have inked a five-year bilateral Memorandum of Understanding (MoU) on 14 August 2018 to enhance mutual cooperation in three areas including technology, human resource development and knowledge management. A mutual consensus to initiate future cooperation has already been initiated among CTCID, INACID and Malaysian National Committee on Irrigation and Drainage (MANCID).

18. The Nepal-Australia Joint Advisory Committee has agreed to continue their bilateral partnership focused on river basin planning, ecosystem management and exchange about water management policy options. Joint Secretary of the Water and Energy Commission Secretariat, Mr. Madhav Belbase, VP ICID highlighted the partnership as a good example of cooperation among Nepal and Australian scientists and government officials.

19. VPH Mr. Ian Makin held a meeting with SLNICID on 28 November 2018 at Irrigation Department conference room to discuss with SLNICID members, including its Office Bearers, the update on the activities pertaining to submission details to World Heritage Irrigation Structures (WHIS); training of young professionals; participation in the 70th IEC meeting and WIF3 and the future activities to be undertaken by SLNICID.

20. Associate Members have been requested to reinstate the activities within the countries and at the same time renew their membership by paying the subscription fees due. Vice Presidents of the concerned regions have also been requested to use their good offices for reactivation of such NCs. With the active support of Central Office, the Vice Presidents have been in correspondence with countries in their region in order to reactivate or motivate the Associate Members 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.

SUPP: 20A. Vide her e-mail dated 15 August 2019 addressed to VP Dr. Irene Bondarik, Nataša Milić, Acting Director, Water Directorate, on behalf of the Ministry of Agriculture, Forestry and Water Management expressed their keen interest in reactivating the Serbian NC, an Associate Member, at the earliest. The requested information has been provided forthwith and update, if any, will be provided at the meeting.

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

21. This year, the CO has received the following applications for Direct Membership which have been found to be complete in all respects.

SI. No.	Name of Applicants	Country	Type of Membership Applied for
1.	Maharashtra Water Resources Regulatory Authority (MWRPA)	India	The institution (3 years)
2.	Ningbo Yaofeng Hydraulic Electrics Co. Ltd.	China	Company (3 years)
3.	Prof. (Dr.) Mitthan Lal Kansal	India	Individual (Life Membership)
4.	Dr. Ajay Pradhan	India	Individual (Life Membership)

22. The Direct Membership Administering (DMA) Sub-Committee has granted provisional direct membership to the applicants as per the criteria laid down for DM.

23. The following 19 Direct Members have been active in ICID activities at the time of preparing this agenda notes:

SI. No.	Name of Direct Member	Country	Category and duration of Membership
1	Dayu Water-Saving Group Co. Ltd.	China	Company (3 years)
2	WAPCOS Limited	India	Company (3 years)
3	Electrosteel Castings Limited	India	Company (3 years)
4	Jain Irrigation System Ltd.*	India	Company (3 years)
5	India Water Foundation	India	Institution (1 year)
6	Central Board of Irrigation and Power (CBIP)	India	Institution (3 year)
7	Asian Development Bank (ADB)	Multilateral	Institution (3 year)
8	Irrigation Australia Ltd**	Australia	Company (Dual Membership)
9	Dubai Municipality	UAE	Institution (3 year)
10	Institute of Hydraulics and Rural Management	Austria	Institution (3 year)
11	Mr. Deepak Khare	India	Individual (Life Membership)
12	Prof. P.K. Bordoloi	India	Individual (Life Membership)
13	Dr. Ashish Pandey	India	Individual (Life Membership)
14	Prof. Umesh Chandra Chaube	India	Individual (Retiree) (Life Membership)
15	Prof. Lal Bahadur Roy	India	Individual (Life Membership)
16	Mr. Y. Abdul Basheer	India	Individual (Retiree) (3 years)
17	Mr. Aytakin Turgay	Turkey	Individual (Life Membership)
18	Prof. Dr. Klaus Rottcher	Germany	Individual (3 years)

Sl. No.	Name of Direct Member	Country	Category and duration of Membership
19	Mr. Sajid Ali Bhutto	Pakistan	Individual (Retiree) (3 years)

SUPP: 23A. In addition to the applications received for Direct Membership as provided under para 21 of the agenda notes, the Central Office has received the application of Agricultural Growth of Rural India (AGRI), New Delhi for one year institutional membership, which has been found to be complete in all respects. The Islamic Development Bank (IsDB) has submitted duly filled in application for Institutional category under Direct Membership for 3 years, as a follow up of the discussions held during 9th International Micro Irrigation Conference in India in January 2019 and invoice has been sent to IsDB for making payment.

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

24. The Committee reviewed the activities identified by RWGs and WGs reporting to PCSO in the Action Plan 2017-21 at its last meeting in Saskatoon, Saskatchewan, as appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) committed to be achieved over a period of five years.

25. The Action Plan, which is designed to be living and dynamic and rolling in nature and includes activities for converting vision to action, may be monitored annually and reviewed triennially, as envisaged in 'Road Map to ICID Vision 2030'.

26. Accordingly, under the existing monitoring mechanism, PCSO may monitor the activities identified under Action Plan 2018-22 based on the progress achieved by RWGs and workbodies reporting to the Committee and suggest appropriate ways and means to achieve them.

PCSO Agenda Item 5: Knowledge Management Strategy (KMS)

27. The need for an integrated approach of Knowledge Management within ICID, being a knowledge-based network, and particularly in view of the adoption of the 'Road Map for ICID Vision 2030' has already been acknowledged. Accordingly, a "Concept note on the Knowledge Management Strategy (KMS)" was presented at Mexico City meeting of the Committee in 2017. The Committee broadly agreed to the approach adopted in the draft strategy presented and desired that the draft strategy may be firmed up in consultation with various stakeholders so as to be presented at Saskatoon in 2018. Following Committee's recommendation, a revised version of KMS (named ICID Knowledge Portal) was presented last year at Saskatoon in 2018, and the Committee recommended that KMS as presented may be followed up and launched in about a year's timeline, by involving YPs for content generation and management.

28. With an objective to provide more support to the WGs to be able to contribute to the implementation of the strategy, the Central Office has a dedicated team for KM activities.

29. Based on an extensive keyword analysis of ICID publications since its inception, proceedings of two recent Congresses, i.e. 22nd and 23rd ICID Congresses in 2014 and 2017, and two World Irrigation Forums (WIFs), WIF1 (2013) and WIF2 (2016); a master keyword list has been prepared to make the search in Knowledge Portal more intuitive and efficient. The Knowledge Portal prototype is in testing phase and will be shared with ICID stakeholders for their feedback and suggestions.

30. Any further progress will be presented at the Committee's meeting.

PCSO Agenda Item 6: Independent Service Unit (ISU) - Relevance to ICID Mission

31. Vide Resolution IEC-1/69, the 69th IEC meeting has granted an 'in principle' approval to the recommendation of Special Task Force on Independent Service Unit (STF-ISU), for the development of a detailed project proposal and obtain necessary statutory approvals, with endorsement from the Management Board (MB) in consultation with NCs for the potential launch of Independent Service Unit (ISU) as part of 70th ICID Celebrations of ICID at Bali, Indonesia in September 2019.

32. Accordingly, the Detailed Project Report (DPR) for the techno-economic feasibility of the establishment of ISU has been prepared and subsequently approved by STF-ISU, including the statutory modalities for the launch of ISU at Bali during ICID's 2019 annual events.

33. Secretary General Er. Ashwin Pandya will apprise the Committee about the salient features of ISU and its relevance to ICID mission.

34. The Committee may consider the organizational and strategical aspects of ISU and provide its inputs for its successful functioning, while meeting the needs of ICID stakeholders.

SUPP: 34A. In view of the views and suggestions received from Members of the STF-ISU on detailed proposal for establishment of ISU, approach for establishment of ISU was reviewed and renewed consultations were made with the financial advisors and other experts in order to explore the modular approach for establishment of ISU. Experts suggested phasing out of the service provision by making use of revised provision under Income Tax Act where ICID can generate incidental additional income by providing its fee based services up to the extent of 20% of its total receipts. Based on the discussions with the experts, following two phases for providing services by ICID were suggested and discussed in the meeting of STF-ISU in August 2019:

- (i) **Phase I:** Start ISU as a Service Unit (SU) of ICID and provide services for generating incidental income up to the extent of 20% of total receipts of ICID. Note on proposal for Phase I can be accessed through link <https://www.icid.org/ISU-1.pdf>
- (ii) **Phase II:** Once SU reaches a turnover of 20% of ICID receipts (likely period of this phase is 3-4 years), incorporate ISU as a separate legal entity under Indian Companies Act as suggested in the DPR, if considered necessary.

PCSO Agenda Item 7: Collaboration and Cooperation between ICID and other International Organizations

35. This year too, ICID has been giving utmost importance to its partnership with likeminded international and regional organizations in water sector. ICID collaborated with global partners like ADB, CSIRO, DWFI, FAO, GWP, ICRISAT, IFAD, IWMI, UN-Water, WMO, World Bank and WWC and regional organizations like AARDO on a number of issues which are mutually beneficial. For more details about ICID's international cooperation, please refer **Chapter 2** "Working Together" of Annual Report 2018-19.

36. ICID is in the process of entering into a fresh Memorandum of Understanding (MoU) with WMO, given the dynamic changes that have been taking place around the world in terms of identified areas of cooperation between both the organizations. Some concrete joint activities have been included in the newly proposed MoU, which is in agreement by WMO and at present under their administrative scrutiny.

37. As usual, ICID's global partners are actively involved in the planning and successful organization of WIF3 in Bali, Indonesia in 2019 and 24th ICID Congress in Sydney, Australia in 2020.

38. ICID and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia have signed a Memorandum of Understanding (MoU) for furthering scientific cooperation to encourage joint research and development activities in the development of Basin Futures -- a web-based capacity development and planning tool (developed by CSIRO with broad technical input from ICID) – among different stakeholders. As part of the MoU, ICID and CSIRO jointly organized a Beta Testing workshop on Basin Futures at ICID Central Office in New Delhi, India from 8-12 April 2019.

39. Secretary General will present a brief overview of the on-going collaborative activities. The members are requested to provide suggestions to make the collaborative efforts with other international organizations result oriented in achieving the vision, mission and goals of ICID.

SUPP: 39A. Efforts were made with regard to the management of World Water System Heritage (WSH) Program, as a joint program between ICID and WWC as envisaged during its conception, through a formalized agreement through Memorandum of Understanding (MoU) with regard to its structure, operation and financial aspects, etc. However, after going through the concerns expressed by WWC President Loic Fouchon and his conclusion that WWC was not in a position to enter into a formal MoU to manage WSH as a joint activity, other than agreeing to continue supporting the Program as a Member Initiative, it has been decided that ICID may undertake WSH program as a separate one under ICID banner, independent of currently on-going WHIS Program, rather than as a member initiative with WWC without any substantial support from WWC side. ICID Central Office is exploring the possibility of collaborating on WSH with water heritage related international organizations and groups, including ICOMOS, who have expressed their interest in this respect.

39B. The Islamic Development Bank (IsDB) has expressed their desire to be a Direct Institutional Member of ICID and will collaborate in the conduct of WIF3 sessions as Chair and Panelists in order to share Bank's experience through their leads in Central Asia, MENA, African Regions, besides proposing to organize an International Workshop on "Mainstreaming water sector and towards the development of water policy in the Bank".

PCSO Agenda Item 8: Review of reports of Regional Working Groups (RWGs)

PCSO Agenda Item 8.1: African Regional Working Group (AFRWG)

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

PCSO Agenda Item 8.2: American Regional Working Group (AMRWG)

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

PCSO Agenda Item 8.3: Asian Regional Working Group (ASRWG)

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

PCSO Agenda Item 8.4: European Regional Working Group (ERWG)

43. VPH Ian Makin, Chair of ERWG will present the report of the meeting of the RWG.

PCSO Agenda Item 9: Review of reports of Working Groups/Committees

PCSO Agenda Item 9.1: Committee on Congresses/Conferences (C-CONGR)

44. Mr. Bryan Ward, Chair will present the report of the meeting of the Committee.

PCSO Agenda Item 9.2: ICID Young Professional's e-Forum (IYPeF)

45. Mr. Amali Abraham Amali, New Coordinator (Nigeria), Coordinator will present the report of the meeting of the e-Forum.

PCSO Agenda Item 10: Task Team to develop Promotional Material and Review ICID Web Presence

46. Vide Resolution IEC-2/69, the constitution of a Task Team to develop promotional material and review ICID web presence has been approved by the Council. The erstwhile Committee on Public Relations and Publications (C-PR&P), which was closed vide Resolution IEC-2/68 at Mexico City, was looking after these tasks, though explicitly mandated to. The development of promotional material for ICID activities and review of ICID web presence are currently being undertaken by ICID KM team and the progress will be reported at the Committee meeting by SG. Hence, a dedicated KM team with expertise is already undertaking the assigned tasks, the Committee may consider reviewing the constitution of such a TT.

PCSO Agenda Item 11: Organizational issues related to IEC, Congresses, Forums and Conferences

PCSO Agenda Item 11.1: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

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

PCSO Agenda Item 12: Any other business



ACTION TAKEN REPORT FOR THE 29TH MEETING OF PCSO
15 August 2018, Saskatoon, Saskatchewan, Canada

Item	Recommendation	Decision of 69 th IEC	Action Taken
3. Membership of ICID			
3.2. Task Team to Study the Feasibility of Single Membership for Regional Organizations (TT-RO)			
	Recommended that the regional organizations may join as Direct Members as granting single membership to countries through regional organizations is a very complicated and complex issue.	Endorsed (Para 28 of 69 th IEC Minutes).	Regional organizations have been accordingly advised to join ICID as Direct Members, and those from same country are encouraged to work together for better projection of the concerned country.
4. Knowledge Management Strategy (KMS)			
	Recommended that the strategy named ICID Knowledge Portal (weblink) as presented in WG-CDTE may be followed up and can be launched in about a year's time line.	Endorsed (Para 29 of 69 th IEC Minutes).	The necessary action for content generation and management has been initiated by involving YPs and approaching Research and Development Institutions to share their knowledge objects for inclusion in the portal.
7. Review of reports of Regional Working Groups (RWGs)			
7.4 European Regional Working Group (ERWG)			
	Recommended that efforts need to be continued for encouraging the European countries in participating in the activities of ICID and bring in larger organizations in the region as Direct Members. Recommended that the recommendations of ERWG in terms of remaining ToRs 3 and 4 of erstwhile TF-REV to study the financial operational arrangements of European NCs and the reasons for their withdrawal of them from membership of ICID in the recent past be accepted.	Approved (Resolution IEC-2/69)	Action has been initiated so that ICID be more relevant to the problems being faced by European countries and steps initiated to encourage direct members from the region.
8. Review of reports of Working Groups/Committees			
8.2 Committee on Congresses/Conferences (C-CONGR)			
	Recommended that the Letter of Agreement (LoA) for Hosting Congresses/World Irrigation Forums/Regional Conferences/International Micro Irrigation Conferences/International Drainage Workshops for the acceptance by the Council.	Approved (Resolution IEC-2/69)	Notified among the NCs.



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

ICID NETWORK COUNTRIES AS ON JUNE 2019

No.	National Committees	Acronym	Year of Joining
1.	Afghanistan	AFGICID	2018
2.	Australia	IACID	1952
3.	Bangladesh	BANCID	1973
4.	Burkina Faso	CNID-B	2014
5.	Canada	CANCID	1956
6.	Chad	ATID	2012
7.	China	CNCID	1983
8.	Croatia	CRCID	1993
9.	Egypt*	ENCID	1950
10.	Estonia	ESTICID	2001
11.	Ethiopia	ETCID	1976
12.	Fiji	FIJICID	2010
13.	Finland	FINCID	2000
14.	France	AFEID	1953
15.	Georgia	GEAMCID	2018
16.	Hungary	HUCID	1955
17.	India*	INCSW	1950
18.	Indonesia*	INACID	1950
19.	Iran	IRNCID	1955
20.	Iraq	IRQCID	2006
21.	Ireland	IRCID	1978
22.	Italy*	ITAL-ICID	1950
23.	Japan	JNC-ICID	1951
24.	Kazakhstan	KAZCID	2006
25.	Korea, Rep. of	KCID	1969
26.	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.	The 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.	Sri Lanka*	SLNICID	1950
46.	Sudan	SNCID	1964
47.	Tajikistan	TAJCID	2014
48.	Thailand*	THAICID	1950
49.	Turkey*	TUCID	1954
50.	Ukraine	UACID	1996
51.	United Kingdom	IWF/ICID.UK	1951
52.	United States of America	USCID	1951
53.	Uzbekistan	UzNCID	1994
54.	Vietnam	VNCID	2018
55.	Zambia	ZACID	1966
Committee			
56.	Chinese Taipei	CTCID	1969
Associate Members			
57.	Austria	AUNCID	1954 (2015) ¹
58.	Brazil*	ABID	1970 (2018)
59.	Bulgaria	BNCID	1960 (2006)
60.	Czech Republic	CZNC-ICID	1997 (2017)
61.	Germany	GECID	1957 (2015)
62.	Greece	GRCID	1957 (2012)
63.	Guyana	GUCID	1957 (2012)
64.	Israel	ISCID	1950 (2012)
65.	Kyrgyz Republic	KYRCID	2004 (2010)
66.	Lithuania	LTCID	1994 (2014)
67.	Macedonia	MAKCID	1995 (2010)
68.	Madagascar	MADCID	2014 (2018)
69.	Mozambique	MOCID	1978 (2006)
70.	Poland	POCID	1967 (2006)
71.	Serbia (erstwhile Yugoslavia*)	YUGCID	2002 (2012)
72.	Slovak Republic	SKNC-ICID	1996 (2006)
73.	Spain	CERYD	1955 (2018)
74.	Switzerland*	CH-AGRAM	1951 (2018)
75.	Syria	SYCID	1962 (2014)
76.	Tanzania	TANCID	2011 (2018)
77.	Uruguay	URUCID	2007 (2012)
78.	Zimbabwe	ZwCID	1955 (2018)

* Founder Member

¹ Year in parenthesis is of the NC becoming inactive



**AGENDA FOR THE 30TH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)**
05 September 2019, 09:00-11:00 hours (Session I) and 11:15-13:15 hours (Session II)
Bali, Indonesia

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 Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No virtual meeting of the WG could be arranged during the period since last meeting in Canada. But discussions and sharing suggestions through emails and chatting were very effective during the year.
3. As a follow-up of reactivation of National Committees (NCs) of African countries as well as active contribution of the NCs in ICID activities, ICID Central Office has followed-up with the young professionals from Ethiopia, Malawi, Mali, Niger, Madagascar Chad, Somalia, and Tanzania who attended the First African Young Water Professional's Forum (Af-YWPF) in October 2018 at Cairo to liaise with their National Committee/ Ministry in their country to find about the status and possibilities of payment of annual membership subscription of their National Committee. Also, direct communications from the chair to some non-active NC's have been carried out to encourage them to join the ICID and AFRWG activities (Tunisia-Algeria).
4. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

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

5. During Saskatoon meeting, the group reviewed and discussed the Road Map to ICID Vision 2010 (refer **Annex 2**). With efforts from the Chair, a Memorandum of Understanding (MoU) between Morocco National Committee on Irrigation and Drainage (ANAFIDE) and Egyptian National Committee on Irrigation and Drainage (ENCID) was proposed to be signed during the Cairo Water Week in October 2018, but it is still under processing. Also, a draft MoU between ENCID and each of Sudanese, Russian and Italian NCs is also under discussion. Chair encouraged all African NCs to take actions towards the bilateral cooperation to promote exchange of knowledge, experiences and information.
6. The Chair encouraged the establishment of YP-WG at African NC's level and informed that the National Committee of Egypt, Morocco and Sudan had already taken action and the established relevant YP-WG. A group on WhatsApp has also been established for exchange of information on activities of the RWG. Actions have been taken for dissemination of publication, bulletin, and news update to the members of the YP-WG. Chair encouraged other NCs like South Africa, Nigeria, Ethiopia and Somalia to take the same action towards the establishment of YP-WG at their national levels.
7. In March 2019, VPH Dr. Wahba has approached Dr Eman Elsayed, Chairman of Planning Sector, MWRI for collaboration of India Water Week and Cairo Water Week. The India Water Week (IWW) 2019 on the theme "Water Cooperation – Coping with 21st Century Challenges" will be organized from 24-28 September 2019 at New

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

Delhi (India). The event will be organized by the Ministry of Jal Shakti in co-ordination with nodal Ministries of Agriculture; Environment, Forest and Climate Change; Rural Development; Urban Development; Drinking Water Supply and Sanitation; Power; New and Renewable Energy; Niti Aayog along with their associated expert organizations and Public Sector Units, key International Bodies and Private and Public business houses. ENCID representative will provide further updates at the meeting.

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

8. During the Saskatoon meeting, WG deliberated on the preparation of the Position Paper on Green Revolution in Africa and reviewed the table of contents and circulated to the different NCs. WG noted the slow progress made so far towards the first draft of the position paper. In order to get information for preparation of the paper and initiatives from different areas in Africa, Chair encouraged members to capitalise on the planned event of Alliance for Green Revolution in Africa (AGRA) in September 2018. During meeting, ANAFIDE agreed to provide support for development of the position paper, considering the availability of information within their reach and willingness to share such information for the benefit of the entire region. The group stressed the need to finalise the position paper before the Bali meeting. The need to collaborate and discuss with other organisations such as the Alliance for Green Revolution (AGRA) was also highlighted during Saskatoon meeting. The Vice-Chair further re-emphasised the position of SADC to lease and collaborate with other organisations involved in agriculture and stressed to finalize a draft report before Bali meeting and encouraged the support of other NCs so as to produce a report reflective of the strides the continent is making towards Green Revolution. Chair/ Vice Chair will provide further updates at the meeting.

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

9. At Saskatoon, the group noted very poor response to the Training Needs Assessment (TNA) questionnaire and requested NCs to make possible inputs to have a clear reflection about activities taking place and need to be undertaken within the African Region. The Vice Chair agreed to facilitate inputs from South African National Committee (SANCID) for which the Chair agreed to follow up with SANCID. The group was of the view that the initiative should not be seen as once-off process but as an ongoing activity of continuous monitoring.

10. Secretary Engr Amali presented analysis and report of the TNA based on information received from the NCs on TNA till that time. Due to the sparse distribution of received submissions and gaps in the information, the group highlighted on the need to have more applicants covered within the TNA to have an analysis that reflect the situation in the entire African region. Accordingly, the group decided to wait for further responses on TNA from NCs till 30 November 2018 and then to proceed with the analysis of the information received and finalisation of the report.

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

11. During the Saskatoon meeting, WG discussed on the need and mechanism of exchange of information between African NCs and the need for NCs to share and exchange information, upload reports and scientific papers generated through different sources for uploading on the website by the ICID Central Office. During deliberation, the need for NCs to sign MoUs within themselves and other organisations within and outside Africa was highlighted so that it will help in achieving set objectives, to facilitate information exchange within the continent ranging from technical to scientific information. The group's attention was drawn to rising need for Young professionals and the need for their capacity building. Like formation of a Young Water Professional Forum (YWPF) in Egypt and Morocco and the efforts of establishing the YWPF by Somalia NC, the group emphasized the need for other NCs to take up the initiative to activate such groups within their committees.

12. Chair/ Vice Chair will provide further updates at the meeting.

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

13. Towards achieving ICID's vision in Africa, ICID has drawn up a number of initiatives for African region in collaboration with regional associations like Southern Africa Regional Irrigation Association (SARIA), Alliance for Green Revolution (AGRA), Regional Association on Irrigation and Drainage for West and Central Africa (RAID-ARID) and North African Regional Association for Irrigation and Drainage (NARAID), which is under establishment, such as Capacity Development Program and Training Workshops for Young Professionals from the Region and encouraging bilateral cooperation between the NCs of ICID in the region by way of formal MoUs.

14. The South African Committee on Irrigation and Drainage (SANCID) organized its 2018 Symposium from 13-15 November 2018 at Ingwenyama Conference & Sport Resort, White River under the theme 'Opportunities to Manage Climate Change'. The symposium aimed to attract a multi-disciplinary group of professionals involved with irrigation drainage in Southern Africa. Academics, professionals, practitioners, policy makers, researchers

and consultants participated in this event that concerns an industry where engineering, agricultural science, economics, development and the environment come together to exchange ideas, share experiences and identify new opportunities and also highlight new challenges in the water sensitive sectors including agriculture. At least more than 80 participants in the fields of irrigation, drainage, agriculture water management, climate change, environment and related fields attended the symposium representing different organizations/ institutions within the country. SANCID provides a wonderful platform for the irrigation community and interested development professionals to debate issues plaguing irrigated agriculture, in a time of depleting freshwater resources, climate challenges, population increases etc.

15. Representative from Regional Associations may provide further updates on their activities at the meeting.

AFRWG Agenda Item 7: First African Young Water Professional's Forum (Af-YWPF) in October 2018 in Cairo, Egypt and Establishment of AF-IYPEF - Feedback

16. The Ministry of Water Resources and Irrigation of Egypt in collaboration with other Ministries and international partners organized the First Cairo Water Week (CWW) from 14-18 October 2018. During the 1st CWW, the AFRWG, seized the occasion to establish the African Young Water Professionals Forum (Af-YWPF) and organized its first meeting to discuss the forum's objectives and mandate. The Af-YWPF was organized from 14-16 October 2018 under the auspices of AFRWG and the Egyptian National Committee on Irrigation and Drainage (ENCID). The forum was supported by Ministry of Water Resources and Irrigation of Egypt (MWRI), International Commission on Irrigation and Drainage (ICID), Korea Rural Community (KRC), International Water Management Institute (IWMI), Global Water Partnership-Mediterranean (GWP-MED), the Nile Basin Capacity Building Networks (NBCBN) as well as National Committees on Irrigation and Drainage of Morocco, Italy and South Africa. The main aim was to create awareness among Young Professional's on water resources, irrigation and drainage challenges and capacity development to facilitate sharing of experiences between the Young Professional's (YP's) in water related fields.

17. The three-day Training Workshop of the forum brought together 24 African future water leaders from 12 African countries including Sudan, Morocco, Ethiopia, Kenya, Mauritania, South Africa, Uganda, Nigeria, Malawi, Tanzania, Ghana and Egypt. The workshop included opening and closing sessions, four training workshops and four keynote speeches given by international experts, with hopes to challenge and inspire young water professionals within the continent about leadership in the research and innovative space and motivate their action.

18. The training workshop exposed participants to important issues such as Water Food Energy Nexus, value engineering, current trends, technologies and research gaps in water resources, irrigation and drainage as well as simulation modelling in irrigation and drainage. Discussions ranged from climate change impact and vulnerability assessments in the Arab Region to using solar energy in irrigation. It was a fantastic opportunity for YP's to showcase their knowledge and broaden their perspective to sustainable water management in an international setting, learn from shared experiences to broaden their minds and thinking of new and experienced water professionals. This gave them the opportunity to reflect on the skills and attributes they can bring to leadership in their different organizations, encourage innovative thinking and motivate societal-driven research. It also provided an exceptional networking platform for YPs to mingle with themselves and establish meaningful connections to promote their innovations among organizations and future engagement in research and development and other work-related matters. Chair will provide further updates on Af-YWPF at the meeting.

AFRWG Agenda Item 8: 5th African Regional Conference on Irrigation and Drainage, 16-19 March 2020, Marrakesh, Morocco

19. The Moroccan National Committee of ICID (ANAFIDE) will be organizing the 5th African Regional Conference on Irrigation and Drainage (ARCID) from 16-19 March 2020 in Marrakesh, Morocco to exchange experiences about lessons drawn, innovative technologies and irrigation development strategies to reduce deleterious impacts of climate change on African agriculture. The 5th ARC will focus on the theme "Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa" considering the need to address the aforementioned challenges to improve resilience in agriculture productivity for ensuring food security for the present and future generations in the African region. The following four sub-themes will be covered under the main theme: (i) Strategies to cope with water scarcity; (ii) Valorization of irrigation water; (iii) Management of irrigation schemes at different scales; and (iv) Drainage and ecological issues. The conference will bring together a wide range of participants, including policy decision makers, professionals, academicians and researchers from Africa and beyond working in irrigation and drainage or closely related fields and will provide an opportunity to revisit Moroccan achievements in modernized irrigated agriculture and appreciate historical attractive places in the country. It also proposed to organise technical visits and post conference tours to some major irrigation projects financed and implemented through the PPP model in the southern coastal region of Agadir. ANAFIDE invites all prospective delegates to attend and contribute to this important regional conference. During Mexico meeting, it was agreed that a training programme for YP's from African region will also be organized preceding 5AfRC.

20. ICID Central Office has disseminated the information to all National Committees, International Organisations, and various professionals and publish it on ICID News Update http://www.icid.org/nup2019_2.pdf besides uploading it on ICID website. Members are requested to contribute to the Conference by submitting the abstract(s) through email at bartali.h@gmail.com, anafide.ma@gmail.com; or by visiting the website <http://5arcid.ma/login/>. Representative from ANAFIDE will provide further updates at the meeting.

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

21. At Saskatoon meeting, with regards to the third node for IRPID, the group discussed the need to work jointly to maximise limited resources and find common grounds with which they can relate. Vice Chair stressed the need to take advantage of the new opportunity of the equipment in the Irrigation and Drainage Centre, proposal for new efficient drip irrigation materials to be subsidised for farmers. In May 2019, ICID Central Office has requested Egyptian National Committee (ENCID) to provide further progress for hosting the Regional Node of International Research Program for Irrigation and Drainage (IRPID) for North African countries. Similarly, Chair VPH Wahba has requested the newly elected Chair Hesham Mostafa of ENCID to take the approval of board members however, response is awaited. ENCID representative will provide further updates at the meeting.

AFRWG Agenda Item 10: Af-YWPeF - Program of 2019 and future activities

22. The objective of the African Young Water Professional's e-Forum (Af-YWPeF) is to bring together Africa's future leaders from the private sector, research and government institutions around the central theme of water conservation for sustainable development. The water professionals would get an opportunity to showcase their knowledge and contribution to sustainable water management in an international setting, discuss what they learned from their experiences, to broaden the mind and thinking of new and experienced water professionals etc. Chair VPH Dr Wahba proposed the Rules and Regulations and schedule for Af-YWPeF activities in 2019 and is given as **Annex 3**.

23. It was also proposed that sharing useful documents or links to events is highly encouraged. Members are requested to access the LinkedIn page of <https://www.linkedin.com/in/icidonline> or <http://www.icid.org/afrwg.html> for more details and encourage YPs from their country to join the Af-YWPeF. Chair will provide further updates at the meeting.

AFRWG Agenda Item 11: Capacity building training and technology transfer for Africa

24. Chair VPH Dr Waha has initiated the future cooperation for the capacity building for the African YP's especially for the North African countries. In this respect, Chair Dr. Wahba has approached international organizations for cooperation with them and the topics for training programs or training workshops will be part of the global initiatives like SDG's, climate change adaptation and mitigation, drought and flood management.

25. In response, Dr. Tarek Sadek, First Economic Affairs Officer (Water Resources and Climate Change), Water Resources Section Sustainable Development Policies Division (SDPD), Economic and Social Commission for Western Asia (ESCWA) of United Nations (UN) has kindly agreed for the cooperation between ESCWA, AFRWG - ICID and ICID and have a MOU for this kind of cooperation. Dr Tarek Sadek has informed that they are ready to jointly organize with ICID and AFRWG the coming training workshop for North African countries on the topics of mutual interest and proposed to conduct this training in 2019 in Beirut or any North African country, preferably back to back with one of the regional events. Chair Dr. Wahba will provide further updates at the meeting.

26. In November 2018, VPH Dr Mohamed Wahba has informed about the proposal of a training course for African young professionals titled "Vocational Training Program of Canal Protection & Economy Developing" in 2019 in cooperation with World Historic and Cultural Canal Cities Cooperation Organization (WCCO), Yangzhou Polytechnic College (YPC), and ICID. Dr Wahba also informed that the fund will be from the Chinese side and proposed to organize training once a year. Chair Dr Wahba will provide further updates at the meeting.

AFRWG Agenda Item 12: Any other business

SUPP: Pr. El Houssine Bartali, Vice President of Moroccan National Committee (ANAFIDE) vide his email of 26 August 2019 has submitted a proposal for organization of 10th International Micro Irrigation Conference (IMIC) on the theme "Micro irrigation in the era of technology innovation and digital transformation" and 72nd International Executive Council (IEC) meeting from 26 September to 2nd October 2021 in the city of Agadir, Morocco. ANAFIDE representative will provide further updates at the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 5 September 2019.

A. Membership of African Regional Working Group (AFRWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	Egypt (1950)	VPH Dr. Mohamed Wahba, Chair (2016)	Attended meetings in 2016 & 2017 and contributed in 2017 & 2018
2.	South Africa (1993)	Dr. Sylvester Mpandeli, Vice Chair (2016)	Attended meetings in 2017 & 2018
3.	Nigeria (1970)	Engr. Amali Abraham Amali – Young Professional, Secretary (2017)	Attended meeting in 2018 and contributed in 2017 & 2018
4.	Burkina Faso (2014)	Mr. Jean Bernard Dambre (2016)	Attended meeting in 2016 and contributed in 2017
5.	Burkina Faso (2014)	Mrs. Salamata Karambiri MIWENDE (2015)	Attended meeting in 2015 and contributed in 2018
6.	Chad (2012)	Mr. Tchouadang Kadjonga (2015)	Attended meeting in 2015 and contributed in 2018
7.	Egypt (1950)	VPH Dr. Samia El-Guindy	Attended meeting in 2015 and represented by ENCID in 2016
8.	Egypt (1950)	Eng. Omnia Hassan Ahmad Salem – Young Professional	
9.	Ethiopia (1976)	Representative from ETCID	
10.	Malawi (1967)	Representative from MALCID	
11.	Mali (2005)	Representative from AMID	
12.	Morocco (1959)	Ms. Sara Boularbah – Young Professional	Represented in 2018
13.	Morocco (1959)	Ms. El Oumlouki Kaoutar – Young Professional	Represented in 2018
14.	Niger (2007)	Representative from ANID	
15.	Nigeria (1970)	Engr. Joe Kwanashie (2014)	Represented by NINCID in 2017 & 2018
16.	Somalia (2017)	Mr. Abdullahi Hassan Hussein – Young Professional	Attended meeting in 2018 and contributed in 2018
17.	Somalia (2017)	Eng. Mohamed Mohamud Abdi	
18.	Sudan (2015)	Eng. (Ms.) Hind Massoud Hamed Elineel	Contributed in 2017
19.	Sudan (2015)	Eng. Marwa Faisal Salman Mohamed – Young Professional	Contributed in 2017
20.	Zambia (1966)	Mr. Mulako Cornelius Sitali (2015)	Contributed in 2016 & 2018
Observers/ Permanent observers			
1.		FAO Representative	
2.		World Bank Representative	
3.	Italy	Mr. Jean Syroganis Camara	
4.	Italy	Mr. A. de Vito	
5.	Sudan	Eng. Omer Yousef	
6.		ARID Representative	Attended meeting in 2015
7.		SARIA Representative	Attended meeting in 2017
8.		AgWA Representative	Attended meeting in 2015



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

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

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



AFRICAN YOUNG WATER PROFESSIONAL'S E-FORUM (AF-YWPEF)

1. Tentative Schedule for Af-YWPeF Activities In 2019

Activity	Topic	Facilitator	Date
E-discussion	Prospects and Barriers to Scaling up Technological Innovations in Irrigation and Drainage	Amali A. Amali	01-15 June 2019
Webinar	Climate Change Adaptation for Water, Food, and Environmental Security	TBA	July 2019
E-discussion	Quality Management for Irrigation and Drainage systems	Richard L. Hay	01-15 August 2019
Webinar	Quality Management for Irrigation and Drainage systems	TBA	September 2019
E-discussion	Water-food-Energy-Ecosystem Nexus: Building technical knowledge on the approach	Adey M. Nigatu	01-15 October 2019
Webinar	Climatic Change Impacts on Water requirements	Prof. Ragab Ragab	November 2019
E-discussion	Water Crisis: Challenges and Management	Eman N. Ragab	01-15 December 2019

2. Rules and Regulations for coordination among YPs

- (a) Af-YWPeF members are Young Professionals (YPs) and experienced stakeholders from government, industry, and academia.
- (b) An Af-YWPeF member is considered a Young Professional (YP) if s/he is ≤ 40 years at the time of joining/consideration
- (c) For Af-YWPeF e-discussions,
 - (i). Documents will be made available in English language but with progressive efforts to translate documents to other working languages within the African continent. Nevertheless, discussions within the Forum are not restricted to English language alone.
 - (ii). Every Af-YWPeF member is allotted a maximum of 10 comment slots per e-discussion topic. (Subject to review depending on the discussion topic)
 - (iii). Participants in e-discussions are required to assign a continuous number at the beginning of every comment for easy correspondence/tracking.
 - (iv). YPs' creative view is the call for e-discussions and complete importing from literature is not acceptable except when ideas need be supported with some facts and figures.



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

04 September 2019, 14:00-16:00 hours
Bali, Indonesia

Presented by the Interim Chairman

Background

1. The International Commission on Irrigation and Drainage (ICID) was established in 1950 and has currently a network of more than 74-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; organize 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, Educator and Venezuela participated in the workshop.
6. Keeping in view the mandate of AMRWG, the group focused on (1) the broad-basing of the ICID National Committee in Latin American countries; (2) to organise national and international discussions on relevant scientific and technical issues, and (3) to act as a catalyst for promoting better contact with other relevant international organizations in the region. Later during Adelaide (2012) meetings, Mr. Maurice Roos (USA) and Mr. Machel Mierzwa from USA and Dr. Clarke Ballard (Australia) discussed ways to enthuse the countries in Americas to get involve in the activities of the Commission. With this objective in mind, VPH Laurie C. Tollefson (Canada), who was Vice-President In-charge of Americas 2012 communicated with several South American countries for reinvigorating the AMRWG. Failing all the efforts, the AMRWG was closed in 2012.

7. Given above, a Preparatory Meeting for establishing American Regional Working Group (AMRWG) was held on 15 August 2018 at Saskatoon, Canada. A Summary of the proceedings of the meeting is available at **Annex**. Given that many National Committees (NCs) from Americas have become inactive in ICID, it is worth exploring the opportunity to re-activate the NCs in the region and re-establish the American Regional Working Group especially when the Third Irrigation Forum (WIF3) and 70th International Executive Council (IEC) meetings has been scheduled to be held from 1-7 September 2019 at Bali, Indonesia.

8. During the Saskatoon (2018) meeting, the possible barriers for South American countries to join ICID were discussed. PH Peter S. Lee (UK) presented the direct membership option for South American countries to join ICID. Dr. Warren Helgason (CANCID) was elected as Interim Chair of the WG to lead the promotional activities of the group and provide a report during the 70th IEC meetings in September 2019 at Bali, Indonesia.

9. In order to strengthen the membership in the Americas, ICID Central Office requested Dr. Brian T. Wahlin (USA) of Vice-President, ICID (*In-Charge of Americas*) to take up matter with Associate Members and New countries in the assigned region to foster and encourage greater country participation in ICID activities. While a number of member countries in Americas are gradually decreasing due to one reason or other, it is extremely important to reactivate the countries who have become 'Associate Members' (*Inactive National Committees*) and bring them into ICID as well as liaising with new countries for becoming ICID members. Vice President Dr. Brian T. Wahlin (USA) and Interim Chair of the RWG may present the current status of the membership of the RWG and explore ways to reinvigorate the membership of Latin countries.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali (Indonesia) after the meeting.
2. Chair to participate and present his report to PCSO meeting on 5 September 2019.

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

15 August 2018, 09:00-10:30 hours (Session-I)
15 August 2018, 11:00-12:30 hours (Session-II)
Saskatoon, Canada

SUMMARY OF THE PROCEEDINGS OF THE MEETING

1. The Working Group had informal discussion on possible barriers for South American countries to join ICID. Observers Ir. Pilar Gil (Chile) suggested that informal networks of professionals who are interested in irrigation and drainage could be used as a 'grassroots' approach to building interest and potential membership in ICID.
2. PH Peter S. Lee (UK) advised on direct membership options. WG members were encouraged to explore existing contacts / networks with South American countries as a mechanism to develop interest in ICID. WG discussed the possibility of asking a VP to write introduction letters and send to WG member contacts, and provide ICID promotional material to be presented at the conferences / meetings.
3. WG appointed Dr. Warren Helgason (CANCID) as Interim Chair for this WG to lead the promotional activities during 2018-19 and provide a report during Bali meetings in September 2019.

Observations

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

4. It was noted that the Special Session of Latin Americas could not be held due to lack of attendance during the event.

(ii) Regional Membership of ICID

5. PH Peter S. Lee, Chair of TT-RO apprised the members and provided updates on direct member options for individuals and associations in South American countries as an option to develop ICID interest / capacity where national committees do not exist.



**AGENDA FOR THE 26TH MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)**

05 September 2019, 09:00-11:00 hours (Session I) and 11:15-13:15 hours (Session II)
Bali, Indonesia

Presented by the Chairman

Year of Establishment: 1996

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

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

ASRWG Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. The last virtual meeting to discuss Draft Project Report on ISU was held on 17 April 2018.

SUPP: Malaysian National Committee (MANCID) has nominated Ir. Hj. Ahmad bin Darus for the membership of the WG.

3. During Saskatoon meeting (2018), participant from the Philippines showed intention to join the WG. Accordingly, ICID Central Office has followed-up with the National Committee of Philippine to nominate a professional for the membership of the WG. However, response is awaited. Chair 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. Meanwhile, from BANCID, IRQCID, KAZCID and AFGICID has been requested to send nomination for our group.

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

4. During the Saskatoon meeting (2018), Chair reviewed the activities of the WG listed in the action plan of the WG towards Road Map to ICID Vision 2030 (refer **Annex 2**). The group discussed the Road Map to ICID Vision 2030 and Chair provided latest updates including the new activity to promote the Technical Support Program (TSP) among Asian NCs. ICID CO has followed-up with the members and requested them to take actions to achieve milestones decided by the WG in the action plan. WG was also requested to consult with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG. WG Chair and members will provide updates on actions initiated to achieve milestones as per agreed Action Plan during the meeting and further update the Action plan. The latest update including the new activity to promote the Technical Support Program (TSP) among Asian Nc's.

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

5. The ICID Central Office has followed-up with "CTCID and INACID", "CTCID and MANCID", "INACID and MANCID" and requested them to provide status of mutual cooperation. In response to ICID Central Office's request, Chinese Taipei Committee (CTCID) has informed that in 2018, CTCID signed a Memorandum of Understanding (MoU) with the Indonesian National Committee (INACID) in August 2018 during Canada event to accelerate the cooperation in the field of technical cooperation, human resource development and knowledge management in agriculture and rural development.

6. After MOU, KCID & CTCID in 2017 and CTCID and INACID in 2018, in May 2019, CTCID has informed that another MoU will be signed with MANCID during Bali event in September 2019. Further, in 2019, CTCID also desires

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

to extend its communication and interaction with countries in the region and also organize an international forum within CTCID, PNC-ICID and THAICID in October 2019. Representative from CTCID, PNC-ICID, MANCID, INACID, THAICID and other NCs may provide further updates at the meeting. May CTCID to apprise the WG about this coming event of October 2019.

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)

7. The PAWEES-INWEPF International Conference 2018 was organized from 20-22 November 2018 in Nara city, Nara prefecture, Japan. The conference was jointly organized by the International Society of Paddy and Water Environment Engineering (PAWEES) and the International Network for Water and Ecosystem in Paddy Fields (INWEPF) in collaboration with the ICID's Asian Regional Working Group (ASRWG). During the conference, the Japanese National Committee of ICID (JNCID), in close cooperation with ASRWG, organized the ICID-PAWEES-INWEPF collaborative workshop to strengthen the partnership between PAWEES and INWEPF and to further contribute to the development of sustainable agriculture in Asia. The workshop provided a great opportunity for stimulating discussions as well as promoted better communication and partnership among ICID, PAWEES and INWEPF. Dr. Yohei Sato (Chair-JNCID) stressed on the significance of strengthening the collaboration among the three organizations. During the presentation session, Dr. Maher Salman (Senior Land and Water Officer, FAO), VPH Dr. Karim Shiati and VP Naoki Hayashida shared their views and experiences in the context of SDGs including role of water in agricultural development, challenges in irrigated agriculture in Asia, innovative/advanced irrigation and drainage technology including other ASRWG activities. During the conference, all 552 participants, including researchers, policy makers, engineers and private sectors from 21 countries and regions including 4 international organizations deliberated on issues related to paddy farming highlighting water use, water management and water environment under the joint theme "Promoting sustainable paddy farming to achieve the SDGs".

8. VP Dr. Marco Arcieri, Secretary General (ITAL-ICID) was invited as a speaker and gave a presentation on "Rice cultivation in Italy under the threat of climate change. A joint meeting was also organized to deliberate the mutual cooperation among PAWEES-INWEPF, ICID, as well as other international organizations such as FAO. Representative from PAWEES/ INWEPF may provide further updates about future cooperation at the meeting. It has been decided that the next PAWEES/INWEPF joint International Conference will be held in South Korea in November 2019 where the ASRWG will further strengthen partnership through cooperation for next conference.

9. VPH Karim Shiati, VP Naoki Hayashida, Dr. Maher Salman, FAO and VP Dr. Marco Arcieri may provide their feedback during the meeting.

ASRWG Agenda Item 5: Capacity development programme for Young Professionals from Asian region, April 2019, Republic of Korea

10. ICID in association with the Korean National Committee (KCID) and the Chinese National Committee (CNCID), organized a five-day International Young Professionals Training Programme to hone the skills of the budding young professionals on the theme "Climate Resilient Smart Irrigation Systems" from 22-26 April 2019 in Republic of South Korea. The International YP training program was attended by 34 participants from 17 countries namely, Afghanistan, China, Egypt, India, Iran, Italy, Korea (Republic of), Myanmar, Nigeria, Russia, South Africa, Sri Lanka, Sudan, Tajikistan, Ukraine, USA and Zambia -- mainly focused on building resilient irrigation systems around the world in the face of climate change, how these systems may be implemented in different biophysical environments and the advanced technologies that are currently in practice. The inaugural session began with a welcome address by Mr. Kim In Sik, Chairman, Korean National Committee on Irrigation and Drainage (KCID) and CEO, Korea Rural Community Corporation (KRC) who gave a brief introduction about ICID and its endeavour to promote capacity development program to attract young minds to agricultural water management sector by organizing training programs for YPs internationally.

11. As part of the training, KCID conducted a survey with five questions to find the goals, vision and challenges in the agricultural sector from Young Professionals from around the world. The questions were discussed in detail during an interactive session steered by Dr. Marco Arcieri, VPICID and Secretary General ITAL-ICID on 24 April 2019. Besides, all the YPs provided a detailed write-up of their country profile on the current status of technology usage in the irrigation sector, prior to the training program. The training programme also included a one-day technical tour (25 April 2019) to nearby dams and irrigation systems to understand practical aspects of operational performance of irrigation systems in addition to classroom lectures and demonstrations. The training program was followed by an international expert consultation workshop on "Irrigation Technologies to Mitigate Climate Change" (26 April 2019) that provided an opportunity to the young professionals (YPs) to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. Representative from KCID and CNCID will provide further updates at the meeting.

ASRWG Agenda Item 6: The 8th Asia Regional Conference (ARC) on the theme "Irrigation in Support of an Evergreen Revolution was successfully organized and succeeded on May 2018 Kathmandu, Nepal

12. Mr. Bashu Dev Lohani from NENCID may apprise the Working Group about the event and also upload the proceedings on the website.

ASRWG Agenda Item 7: Supporting Event 6 (SE 6) by JNCID with WIF3

13. Supporting event by JNCID in cooperation with ASRWG with the title "Development for water, food and nutrition in Asia" will be organized on 2 September at Bali during Third World Irrigation Forum (WIF3).

14. ASRWG and INWEPF act as co-organizers of this event. Mr. Mitsuo Ishijima will apprise the WG about this important event at the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 5 September 2019.

Annex 1 [Appendix V, Item 1]

A. Membership of Asian Regional Working Group (ASRWG)

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

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1.	Ir. Hj. Ahmad bin Darus	Malaysia	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C3. Strategy: Promoting Regional Cooperation	3.5 Enhance Linkages between National Committees for International Cooperation	Technical Report					
	3.6 Broaden relationship and mutual understanding and cooperation between NCs from developing countries and developed countries	Collaboration/ MoU	Exchange visits/ training between TUCID and IRNCID MoU between IRNCID and KCID				
	3.7 International conference/ workshop/ seminar	Compilation of proceedings		8 th Asian Regional Conference , May 2018, Nepal	International forum in Oct 2019		
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	Formal release of the Report at 8 th ARC.	Promote the Technical Support Program (TSP) among Asia NC’s		
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	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)



APPENDIX VII [PCSO Item 9.1]

**AGENDA FOR THE 30TH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**

04 September 2019, 11:15-13:15 hours (Session-I)

04 September 2019, 14:00-16:00 hours (Session-II)

Bali, Indonesia

Presented by the Chairman

Year of Establishment: 1990

Mandate: The mandate of the Committee is:

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

Members: (1) Mr. Bryan Ward, Chairman (Australia, 2017); (2) Dr. Warren Helgason, CANGID representative; (3) Mr. Bashu Dev Lohane, NENCID representative; (4) Mr. Anuj Kanwal, INCSW representative; (5) Mr. M.Z. Fatah, INACID representative; (6) Pr El Houssine Bartali, Moroccan representative; (7) MXCID representative; and (8) Er. B.A. Chivate, Director (Tech.), ICID Central Office.

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

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

1. The Chairman may like to present a report on the actions taken on the various decisions/proposals of the Committee since 29th meeting of C-CONGR at Saskatoon, Canada in 2018.

C-CONGR Agenda Item 2: Membership of the Committee

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

3. However, since MXCID (2017) and NENCID (2018) have already presented their feedback reports at Canada meeting (2018) and may not have anything new to add, it is proposal to not invite NC that has already presented their feedback report in past meetings. They may continue to be part of the Committee to share their experience, if required.

4. In order to enrich the membership of the Committee, it is proposed to invite Expression of Interest (Eoi) from other National Committees / International partners.

C-CONGR Agenda Item 3: Overview of 3rd WIF & 70th IEC meeting, 1-7 September 2019 at Bali, Indonesia

5. The Third World Irrigation Forum (WIF3) and 70th International Executive Council (IEC) meetings are being hosted by Indonesian National Committee on Irrigation and Forum (INACID). The main theme of the Forum is "Development of water, food and nutrition security in a competitive environment" and three sub-themes are: (1) Enabling policy environment for water, food and energy security; (2) Role of civil society and non-state actors with focus on farmers and extension facilities; and (3) Improving agricultural water productivity with focus on rural transformation covered in the Forum. Mr. M.Z. Fatah (Indonesia) may apprise the Committee about the overview of Bali meetings together with organizational matters from the Third World Irrigation Forum (WIF3).

C-CONGR Agenda Item 4: Feedback from the organizers of the past events

C-CONGR Agenda Item 4.1: Feedback from International Conference and 69th IEC in August 2018 at Saskatoon, Canada

6. Dr. Warren Helgason (Canada), President of Canadian National Committee of ICID (CANCID) may brief the Committee on experience while organizing the 69th IEC with the lessons learned / difficulties faced.

C-CONGR Agenda Item 4.2: Feedback from 23rd ICID Congress and 68th IEC, Mexico City, Mexico in October 2017

7. Representative from Mexican National Committee of ICID (MXCID) may brief the Committee on experiences while organizing the 23rd ICID Congress and 68th IEC together with the lessons learned / difficulties faced.

C-CONGR Agenda Item 4.3: Feedback from 8th Asian Regional Conference, Kathmandu, Nepal in May 2018

8. Mr. Bashu Dev Lohane (Nepal), Secretary of Nepal National Committee of ICID (NENCID) may brief the Committee on experiences while organizing the 8th Asian Regional Conference with the lessons learned / difficulties faced.

C-CONGR Agenda Item 4.4: Feedback from 9th International Micro Irrigation Conference, 16-18 January 2019, Aurangabad, Maharashtra State, India

9. Representative from INCSW may brief the Committee on experiences while organizing the 9th International Micro Irrigation Conference with the lessons learned / difficulties faced.

C-CONGR Agenda Item 5: Preparations for the future events for the next 3 years

C-CONGR Agenda Item 5.1: 5th African Regional Conference on Irrigation and Drainage, 16-19 March 2020 at Marrakesh, Morocco

10. The Moroccan National Committee of ICID (ANAFIDE) will be organizing the 5th African Regional Conference on Irrigation and Drainage (ARCID) from 16-19 March 2020 in Marrakesh, Morocco. The main theme of the 5th ARCID will be “*Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa*” and sub-themes would be (i) Strategies to cope with water scarcity; (ii) Valorization of irrigation water; (iii) Management of irrigation schemes at different scales; and (iv) Drainage and ecological issues. More information of the 5th ARCID is available at <http://5arcid.ma/login/>

11. Pr El Houssine Bartali (Morocco), Vice President of ANAFIDE may apprise the Committee about the preparations made and detailed planning for the 5th African Regional Conference on Irrigation and Drainage (ARCID).

C-CONGR Agenda Item 5.2: 24th ICID Congress and 71st IEC Meeting, 22-28 September 2020, Sydney, Australia

12. Mr. Bryan Ward (Australia), Chief Executive Officer (CEO), Irrigation Australia Limited, may apprise the Committee about the preparations made and detailed planning for the 24th ICID Congress and 71st IEC meeting.

C-CONGR Agenda Item 5.3: 4th World Irrigation Forum (WIF4) and 73rd IEC Meeting, in 2022 at Agadir, Morocco & Beijing, China – Proposal for future ICID Event

13. The Moroccan National Committee of ICID (ANAFIDE) has offered to host the 4th World Irrigation Forum (WIF4) and 73rd International Executive Council (IEC) Meetings in 2022 at Agadir, Morocco. Pr El Houssine Bartali (Morocco) may apprise the Committee about the preparations made for the WIF4 and 73rd IEC meeting.

SUPP: ICID Central Office has received (22 July 2019) an ‘*Expression of Interest*’ (Eoi) from Chinese National Committee of ICID (CNCID) for hosting 4th World Irrigation Forum (WIF4) and 73rd International Executive Council (IEC) Meetings in 2022 at Beijing, China. CNCID representative may apprise the Committee about the preparations made for the WIF4 and 73rd IEC Meeting.

SUPP: Pr. El Houssine Bartali, Vice President of Moroccan National Committee (ANAFIDE) vide his email of 26 August 2019 has submitted a proposal for organization of 10th International Micro Irrigation Conference (IMIC) on the theme “Micro irrigation in the era of technology innovation and digital transformation” and 72nd International Executive Council (IEC) meeting from 26 September to 2nd October 2021 in the city of Agadir, Morocco. ANAFIDE representative will provide further updates at the meeting.

C-CONGR Agenda Item 6: Letter of Agreement (LoA) for Hosting Congresses/WIFs/Regional Conferences

14. As per Resolution IEC-2/69, vide notification no.22 of 13 December 2018, the ICID Central Office has notified 'Letter of Agreement (LoA)' between the host NC and ICID for Hosting Congresses/WIFs/Regional Conferences/International Micro Irrigation Conferences/International Drainage Workshops (Annual/Triennial/Regional Events) with effect from 2021 onwards which has been approved during the 69th International Executive Council (IEC) meeting held in August 2018 at Saskatoon, Canada. More information on the Guidelines for Preparation and Conduct of International Executive Council (IEC) Meetings and ICID Congresses / WIFs/ Conferences can be accessed at https://www.icid.org/handbook_procedure.pdf

C-CONGR Agenda Item 6.1: Establishment of a Task Team to look into Financial Aspects of Special Contribution to ICID Budget from ICID Events (TT-FASCIB)

15. During the Saskatoon meeting (2018), Mr. Bryan Ward, Chair, C-CONGR observed that not too many National Committees are coming forward to offer hosting ICID future events and one of the reasons could be that 35% share of registration fee payable to ICID was a bit high and may be a disincentive to host Forums and Congresses. It is important that ICID has a very active events program and that member countries should be competing vigorously for future events.

16. Given above, a Task Team has been established to look into Financial Aspects of Special Contribution to ICID Budget (TT-FASCIB) from ICID events in 2018.

17. Chair of the TT-FASCIB / Committee may apprise the members at the meeting.

C-CONGR Agenda Item 7: Any other business

18. **Discount to individual Direct Members:** ICID Central Office has received requests from Direct Members (Individual) provide to registration fee discount. The members may like to discuss it at the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 5 September 2019.

**AGENDA FOR THE 25TH MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)**

05 September 2019, 09:00-11:00 hours (Session-I)
05 September 2019, 11:15-13:15 hours (Session-II)
Bali, Indonesia

Presented by the Chairman

Year of Establishment: 1995

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

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

ERWG Agenda Item 1: Action Taken Report by Chair¹

1. The Chair of the WG will present report on the actions taken on the decisions and proposals of the European Regional Working Group at its 24th meeting held at Saskatoon, Canada in 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No web-ex meeting of the WG could be arranged during the year.
3. 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. The Chair may provide further updates at the meeting.

ERWG Agenda Item 1.1: Strengthening the membership in Europe

4. During the Saskatoon meeting (2018), the WG felt the need for ICID to facilitate networking among specialists and contact with other relevant entities, such as FAO and other UN organisations to support member countries to address challenges posed by the repeated occurrence of extreme weather events in Europe. The RWG also felt that ICID 'value proposition' is no longer sufficiently attractive in the context of the European countries and there is need to discuss the issue of how to make ICID relevant to European countries in order to (i) retain current members; (ii) re-engage with the current associate member countries; and (iii) attract new member countries and/or individual members to ICID. WG will discuss these issues and Chair will brief the members of any proposed actions in the matter.
5. The Swiss National Committee of ICID under the Swiss National Commission on Agro-Systems and Land Improvement (CH-AGRAM) has been active member of ICID since 1951 and withdrawn their membership from ICID in March 2018 and dissolved its activities. During the Management Board (MB) meeting held on 12 April 2019 at Rabat, Morocco where Secretary General Er. Ashwin B. Pandya also attended the eleventh edition of Conference on Moroccan Agriculture on 15 April 2019 at Meknes, met Prof. Dr. Bernard Lehmann (Switzerland), Secretary of State for Agriculture/Director General of Federal Office for Agriculture (FOAG), Federal Department of Economic Affairs and discussed the issue of reactivation of Swiss National Committee. In this regard, SG wrote a letter to Prof. Dr. Bernard Lehmann giving details of Swiss National Committee with a request to take up matter with the relevant ministry for reactivation of Swiss NC. However, the reactivation of Swiss NC is yet to be realized.
6. Efforts are being made for reactivation of membership of the Spanish National Committee through Spanish Embassy in New Delhi, India. As a part these efforts, the Deputy Directorate General of Irrigation at the Ministry of Agriculture, Fishery and Food, Spain has expressed interest in joining as a 'Direct Member' of ICID however, their membership form is still awaited. The Spanish Embassy in New Delhi agreed to provide ICID with services such as translation of ICID periodicals into Spanish for circulation among the Spanish speaking countries and uploading on ICID website. Since then few bulletins and concise ICID roadmap have been translated and circulated to Spanish speaking countries.

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

7. It has been observed that the member countries in Europe are gradually decreasing due to one reason or other, it is extremely important to reactivate the countries that have become Associate Members (*Inactive National Committees*) and bring them into ICID fold again. This issue was raised and discussed in the 25th meeting of the ERWG and 29th meeting of PCSO in August 2018 at Saskatoon, Canada leading to directions from 69th IEC vide Resolution IEC-2/69 to re-engage these with countries.

8. In order to strengthen the membership in the European countries, ICID Central Office requested Dr. Marco Arcieri (Italy) and Dr. Irena G. Bondarik (Russia), ICID Vice-Presidents (*In-Charge of Europe*) to take up matter with the respective European countries (*Associate Members and New countries*) in their assigned region to foster and encourage greater country participation in ICID activities. Vice Presidents Dr. Marco Arcieri and Dr. Irena G. Bondarik will provide latest status of their efforts in reactivation of associate members and bringing new members to ICID

SUPP: ICID Central Office received an email of 15 August 2019 from Engr. Natasa Milic, Acting Director, Water Directorate, Ministry of Agriculture, Forestry and Water Management, Serbia regarding reactivation of Serbia National Committee of ICID. In this regard, SG wrote a letter to Engr. Natasa Milic, Acting Director, Water Directorate, Ministry of Agriculture, Forestry and Water Management giving details of Serbia with the request to reactivate it. Any updates on the reactivation of Serbia National Committee will be provided in the meeting.

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

9. At Saskatoon, the WG reviewed the Action Plan of Road Map to ICID Vision 2030 towards the milestones on the three goals, such as (i) **B1** - Supporting development of appropriate policies; (ii) **C3** - Promoting regional cooperation; and (iii) **F1** - Enhancing institutional capacity development in member countries. In line with the mandate of the WG and its action plan, the group encouraged its members to organise knowledge sharing events such as workshop, seminars and conferences. In this direction and in order to ensure better participation of European members, the group proposed to organize a workshop on agriculture water management alongside the Baltic region workshop in 2019 on evaluation of irrigation materials for certification on eligibility for inclusion in applications for subsidies for replacement of irrigation infrastructure for water saving to support regional cooperation and knowledge sharing. WG will deliberate on various activities of the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve outcome/feedback as per milestones indicated in the Action Plan.

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

10. During the Saskatoon meeting, the WG proposed to organise a workshop on the preparation of a legislative framework for mitigating drought in Europe during the Third World Irrigation Forum (WIF3) in September 2019 at Bali, Indonesia, which will help in developing a document, a guideline, or scoping document for a Task Force on Legislative Framework on Agricultural Drought Mitigation for European Region. Dr. Marco Arcieri (Italy), member of the ERWG, agreed to coordinate the development of activities and take lead for the workshop during the WIF3 in September 2019. As a follow-up, Dr. Marco Arcieri developed a concept note for the Task Force, details given under agenda item 7. WG Chair/VP Dr. Marco Arcieri will provide further updates/feedback at the meeting.

11. As informed during the Saskatoon meeting, *Association Fran'aise pour l'Etude des Irrigations et du Drainage* (AFEID), French National Committee of ICID would be organizing a two-day Conference titled "Water savings achieved with changes in irrigation equipment or practices" from 13-14 November 2019 at Montpellier, France. The objective of the conference are : (a) Exchange around the levers of water saving and efficiency improvements in irrigation; (b) Share the quantitative feedback on water savings achieved by a change of equipment or the adoption of piloting tools in the different EU countries; (c) Share the methodologies used in the various European countries for the ex-ante evaluation of potential water savings; present the French methodology, established by IRSTEA at the request of the Ministry of Agriculture; and (d) Promote exchanges between operational, institutional, technical and scientific actors. In June 2019, ICID Central Office has circulated the announcement of the Conference to NCs/members of the ERWG for wider dissemination which is available at <<https://watersaving.sciencesconf.org>>. Dr. Dominique Rollin, Secretary General of AFEID and member of the WG will apprise the members latest updates at the meeting.

12. The International Society for Horticultural Science (ISHS) and the University of Basilicata (DiCEM Department) in association with Italian NC (ITALCID) organized the "IX International Symposium on Irrigation of Horticultural Crops" at Matera, Italy during 17-20 June 2019. President Er. Felix Reinders delivered key note address on the topic "Water Resources: Challenges of the water-energy-food nexus" during session on "Climate and water resources perspectives: social and economic aspects". VP Dr Marco Arcieri will brief the members about the symposium and its outcome.

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

13. Review of the policy documents related to water resources impacting irrigation and drainage sector in Europe has been included in the Action Plan 2030 of the ERWG under **Goal B (Activity B2.1: Review of European / NC policy documents related to water resources that impact irrigation and drainage sector)**. During the Saskatoon meeting, VP Dr. Marco Arcieri (Italy) agreed to look at the history of the framework directive with the support of PH Bart Schultz (Netherlands) and VPH Laszlo Hayde (Hungary). VP Dr. Marco Arcieri/VPH Dr. Laszlo Hayde/PH Bart Schultz may apprise the members on any update in the meeting.

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

14. During the Saskatoon meeting, the WG reviewed the list of cooperating organizations, reducing the list to organizations with a reasonable expectation of collaboration in the coming years. ERWG included 7 National Water Management Associations, 5 European professional organizations and 5 European Water Management institutes in the list (**Annex 3**). The WG requested its members/NCs to strengthen linkages and cooperation with these regional and transitional organizations as well as to provide details of the contact person (s). WG will deliberate on actions taken up for interaction and cooperation with these regional and transitional organizations during the meeting.

ERWG Agenda Item 6: Activities of Focus Groups of ERWG

15. During Saskatoon meeting, ERWG decided to have following five Focus groups based on their relevance to Europe: (a) Focus Group on History (WG-HIST) led by VPH Laszlo Hayde; (b) Focus Group on Environment (WG-ENV) led by Mrs. Seija Virtanen; (c) Focus Group on Sustainable Drainage (WG-SDRG) led by Dr. Bernard Vincent and Dr. Irene Bondarik; (d) Focus Group on Water Related Risks led by Prof. Klaus Roettcher & Mr. Olli-Matti Verta and (e) Focus Group on Irrigation and Drainage in the States under Socio-economic Transformation (WG-IDSST) led by VPH Peter Kovalenko. Focus Group lead members will apprise the members of the ERWG on the latest updates/developments in respect of their respective Focus Groups at the meeting.

ERWG Agenda Item 7: Creation of a Task Force on Legislative Framework on Agricultural Drought Mitigation for European Regional (TF-DMD)

16. During the Saskatoon meeting, the WG proposed to establish a Task Force on Legislative Framework on Agricultural Drought Mitigation for European Regional (TF-DMD) which was approved by 69th International Executive Council meeting in August 2018 at Saskatoon, Canada (*Resolution IEC-2/69*). Vice President Dr. Marco Arcieri (Italy) has been requested to take lead in preparing a Concept Note, together with its proposed composition of membership etc. for circulation among the NCs while constituting the TF. In response, VP Dr. Marco Arcieri has shared the Concept Note, together with mandate, scope and objectives for creation of this TF (**Annex 4**). In this regard, the Management Board (MB) held its first meeting on 12 April 2019 at Rabat, Morocco and approved the mandate and the composition of the Task Force which may be drawn from ICID NCs worldwide. MB suggested to invite international and regional agencies such as The World Bank, International Fund for Agricultural Development (IFAD), Asian Development Bank (ADB), Islamic Development Bank (IsDB), besides representatives of Food and Agriculture Organization (FAO), International Water Management Institute (IWMI), International Center for Agricultural Research in the Dry Areas (ICARDA), European Union Commission and United States Army Corps of Engineers (USACE), and Dr. Christopher Neale of University of Nebraska-Lincoln, who is a member of Global Framework on Water Scarcity in Agriculture (WASAG) to join TF. The mandate of the TF will be (i) Improve drought risk management; (ii) Consider additional water-supply infrastructures; and (iii) Promote water efficient technologies and practices. The ERWG may like to deliberate on the mandate and composition of the Task Force keeping in view the mandate of Working Group on Managing Water Scarcity under Conflict Demands (WG-MWSCD) so as to avoid duplicity of the actions and activities.

ERWG Agenda Item 8: Dissemination of activities of WG

ERWG Agenda Item 8.1: Website of the Group

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

18. In order to enrich the contents of the ERWG website, PH Peter S. Lee (UK) presented the outcome of detailed review of the existing ERWG website, including the contents of the ICID website references of the Group and provided recommendations for reviewing of the WG website during the WG meeting. In January 2019, ICID

CO requested PH Peter Lee to share the latest update on upgradation of the website of the WG. WG Chair Ian Makin / PH Peter Lee will further apprise the members of the actions initiated/taken in this connection.

ERWG Agenda Item 8.2: Webinar / Web-based Seminar

19. During the Saskatoon meeting held in August 2018, the Group supported the organization of the webinars to promote sharing of vast expertise available with ICID fraternity with members of the NCs. It was noted that the French National Committee (AFEID) offered to present a webinar on findings of the studies presented in the conference to be held in November 2019 at Montpellier, France. ICID CO followed-up with Dr. Dominique Rollin (France) to provide the title of the webinar along with a brief concept note on the topic and identify a suitable expert who can act as a panellist during the webinar and may assist him in answering the questions raised by the audience. Dr. Dominique Rollin will provide further updates at the meeting.

ERWG Agenda Item 9: Any other business



MEMBERSHIP OF EUROPEAN REGIONAL WORKING GROUP (ERWG)

Sl. No.	Countries (Year of joining)	Present representatives (Year of Joining)	Remarks
1.	United Kingdom (1951)	Mr. Ian Makin (2014), Chairman, 2015	Attended the WG meetings in 2015, 2016, 2017 & 2018. PH Peter S Lee attended the meeting in 2017 and 2018 as Observers.
2.	Ukraine (1996) 2014	VPH Prof. Dr. Peter Kovalenko, Vice Chairman, 2005 (1999)	Attended the meeting in 2016 & 2017
3.	Finland (2000)	Mr. Olli-Matti Verta, Secretary, 2011	Attended the meeting in 2016 & 2017 Represented in the WG meeting in 2018
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 and 2018
8.	France (1953)	Dr. Sami Bouarfa (2013)	Represented in the WG meeting in 2014, 2015, 2016, 2017 & 2018. Dr. Herve Plusquellec attended the meeting in 2018 as Observer.
9.	Germany (1957)	Mrs. Sabine Seidel, as Young Professional (2011) Dr. Klaus-Dieter Vorlop (2012)	Withdrawn from January 2015
10.	Hungary (1955)	VPH Dr. Laszlo Hayde, Ex-Chairman and member	Attended the meeting in 2016, 2017 & 2018
11.	Ireland (1978)	Dr. John Martin (2003)	No contribution during 2013, 2014, 2015 & 2016
12.	Italy (1950)	Mr. Marco Arciero (2015)	Attended WG meeting in 2016, 2017 & 2018
13.	Netherlands (1950)	Representative	PH Bart Schultz and VP Prof Charlotte de Fraiture from Netherlands attended the meeting in 2016, 2017 & 2018 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)	Slovenia Representative	No contribution in 2016
17.	Spain (1955)	Spanish representative	No contribution in 2016
18.	Switzerland (1951)	Switzerland Representative	Mr. Petra Hellemann, Secretary of CH-AGRAM contributed by email in 2016 Switzerland withdrew from ICID membership in 2018
19.	Georgia (2017)	Georgian Representative	Dr. Givi Gavardashvili attended the meeting in 2017 as new country
20.	Russia (1955)	Dr. Irina G. Pankova, as Young Professional (2007) Dr. Irina Bondarik (2012)	No contribution in 2014, 2015 and 2016 Attended the meeting in 2016, 2017 & 2018
Ex-Officio Member			
1.	Russia	Mr. Peter Alexey Yurievich (2014), Chairman, erstwhile European Work Team on Drainage, EWTDRA	No contribution in 2016



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

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

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



EUROPEAN REGIONAL WORKING GROUP (ERWG)

1. Profile

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

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

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

- Chairman** : VPH 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

- (i). *Bosnia & Herzegovina* : Prof. Dr. Mihovil Vlahinic
- (ii). *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) LZHIS - 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

Annex 3 [Continued]

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

- (i) ERWG Letter No. 1 to 20 (newsletters)
- (ii) Irrigation Sector Reform in Central and Eastern European Countries (project report book/CD)
- (iii) European Sector Vision on Water for Food and Rural Development (report)
- (iv) ICID Guide "How to work out a drought mitigation strategy" (guideline)
- (v) Water Resources Management in the Czech Republic, Hungary, Lithuania, Slovenia (book)
- (vi) Diffuse Entries in Rivers of the Odra Basin (research report)
- (vii) Proceedings of several European conferences
- (viii) 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)
- (ix) Danube Valley: History of Irrigation, Drainage and Flood Control (book)

5. Projects

- (i) Flood risk mitigation by agricultural non-structural measures
- (ii) Drought mitigation strategies
- (iii) Implementation of the European Water Framework Directive
- (iv) Flood plain management on Odra, Nemunas and Vistula
- (v) Flood prevention strategies
- (vi) Point and diffused pollutants in the Odra basin
- (vii) Sustainable irrigation and drainage management under the conditions of transitional economy
- (viii) Dialogue on water for food and environmental security in Central and Eastern Europe



TASK FORCE ON DROUGHT RISK MANAGEMENT (TF-DRM)

April 8th 2019

1. Introduction

Drought and water scarcity are becoming increasingly frequent and widespread phenomena in many Countries of the European Union. While Europe has always been considered as having adequate water resources, the long-term imbalance resulting from water demand exceeding available water resources is no longer infrequent.

It was estimated that by 2007 at least 11 % of Europe's population and 17 % of its territory would have been affected by water scarcity, raising the cost of droughts in Europe over the past thirty years at EUR 100 billion. The EU Commission expects further deterioration of the water situation in Europe if temperatures keep rising as a result of climate change. Water is no longer the problem of a few regions, but now concerns just about all of the 500 million Europeans.

2. Relevance For ICID

One of the main goals of ICID Mission to be achieved within the Agenda 2030 is to enable higher productivity with less water and energy, under the constraint and uncertainty of climate change. Thus, mandate and objectives of this Task Force can greatly contribute to reach this goal, enhancing on the one hand role and visibility of ICID in a broader international context and, on the other, offering a substantial contribute to solve the problem.

3. Mandate and Objectives

Following the increasing droughts occurred in the past few years, several Countries have moved from crisis management to Drought Risk Management. The associated measures often result in comprehensive drought risk management plans with water stress area mapping, alert levels, warning systems, etc. The TF-DMD should have all the necessary flexibility to develop specific drought management plans in relevant river basins and, of course, in different area of the World also.

The Task Force on *Drought Management Framework* will offer a contribute to

4. Improve drought risk management

- (a) Set up of specific *Drought Risk Management Plans* to supplement WFD (*Water Framework Directive*) river basin management plans, where needed, in accordance with WFD provisions, in Europe and other areas of the World.
- (b) Conceive operational prototypes and set up of implementing procedures for an Early Warning System and, by the end of 2022, develop recommendations at National Governments level. This system will integrate relevant data and research results on drought monitoring, detection and forecasting on different spatial scales, thus making possible to evaluate future events.
- (c) Foster exchange of information and best practices on drought risk management, besides identify methodologies for drought thresholds and drought mapping.

5. Considering additional water supply infrastructures

- (a) Planning of additional water supply infrastructure such as storage of surface and/or ground waters in order to mitigate the impacts of severe drought events, taking into due account the cost-benefit ratio.
- (b) Analyze the possibility of realization of plants for use of alternative sources (brackish waters, desalinized or waste water). Any definitive position on these options will have to be based on further work on risk and impact assessment, taking into account the specific bio-geographical circumstances of Member States and regions.

6. Promote water efficient technologies and practices

Efficiency of water use in agriculture can still be considerably improved across the EU. In some regions, up to 30% of the volume of water consumed in agriculture could be saved, whereas leakages in agricultural water supply and irrigation networks can exceed 50%. In addition to improving technologies, the upgrading of irrigation management practices is a necessary instrument in all sectors where huge quantities of water are used

- (a) Develop techniques for rainfall harvesting
- (b) Promote the use of low water quantities in paddy fields - (rice dry cultivation)
- (c) Investigate the possible and different adaptation of agriculture to climate change.

7. Work Plan – 3 Years

- (a) Disseminate and facilitate the exploitation of the results of research on water scarcity and drought issues.
- (b) Establish working relationships and disseminate most relevant Drought Risk Management Action Plans in the ICID Community and in the broader International Network.
- (c) Create a water scarcity and drought information system throughout Europe
- (d) Provide Drought Risk Management training and capacity building for Government Officers

8. Potential Partners

All of the NCs that are willing to participate in the program will be joining together to present the lessons learnt.



**AGENDA FOR THE 4th MEETING OF THE
ICID YOUNG PROFESSIONAL'S e-FORUM (IYPeF)**

5 September 2019, 09:00-11:00 hours (Session I)

5 September 2019, 11:15-13:15 hours (Session II)

Bali, Indonesia

Year of Establishment: 2015

Mandate: At the 65th International Executive Council (IEC) held at Gwangju, Korea, in September 2014, the Council approved establishing an ICID Young Professional's e-Forum (IYPeF) with open membership in order to engage all the Young Professionals interested in AWM issues on ICID platform. The e-Forum established as a new LinkedIn Group (<https://www.linkedin.com/groups/6990321>) is an open online membership consisting of more than 600 members to encourage and promote a high standard of professional development amongst the young professionals and network with the national and international youth having interest in water-related subjects or the activities, relevant to ICID objectives.

IYPeF will not only act as a virtual meeting place but also a platform that would serve as a stepping stone to ICID annual events and provide opportunities to the budding professionals for interaction with the best professionals in irrigation and drainage sector, present papers, avail the latest information and join various technical working groups.

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

IYPeF Agenda Item 1. ICID Young Professionals e-Forum (IYPeF)

1. The IYPeF is composed of one coordinator and five joint-coordinators, including Ms. Kathleen Murray (Australia- Hon. Coordinator), Mr. Amali Abraham Amali (Nigeria- New Coordinator), Ms. Sahar Norouzi (Iran), Ms. Adey N. Mersha (Ethiopia), Ms. Eman Ragab (Egypt) and Mr. Shoaib M. Saboory (Afghanistan). To encourage and intensify the active participation of Young Professionals in ICID activities in the domain of irrigation, drainage and flood management, IYPeF is organizing a series of e-discussions and webinars as per their mandate. Accordingly, five e-discussions, as indicated below, have been finalized for 2019 to enable the young professionals to contribute their views on the topics of interest with a specific focus on the theme "Development for water, food and nutrition security in a competitive environment" for the upcoming Third World Irrigation Forum (WIF3) and 70th IEC Meeting to be held from 1-7 September 2019 in Bali, Indonesia. The topics and their lead IYPeF coordinators are: (i) Non-conventional water use/reuse in irrigation (Ms. Eman Ragab), (ii) Solar-Powered Irrigation System: Exploring Opportunities and Threats (Mr. Amali Abraham Amali), (iii) Soil conditions to ensure sustainable agriculture and coping with climate change (Ms. Kathleen and Mr. Shoaib Saboory), (iv) Flood management in agriculture (Ms. Sahar Norouzi), and (v) Cost-effectiveness of Agricultural field drainage (Ms. Adey Mersha and Ms. Kathleen Murray).

IYPeF Agenda Item 2. Report of the 4th Virtual Meeting of ICID Young Professional e-Forum (IYPeF)

2. The 4th Virtual Meeting of IYPeF was held on 28 November 2018 wherein following members participated:

(a) IYPeF Coordinators

- (i) Mrs. Kathleen Murray, Coordinator (Hon.)
- (ii) Mr. Amali Abraham Amali, Coordinator
- (iii) Ms. Sahar Norouzi, Joint Coordinator
- (iv) Ms. Eman Ragab, Joint Coordinator
- (v) Mr. M. Shoaib Saboory, Joint Coordinator
- (vi) Ms. Adey Mersha, Joint Coordinator

(b) ICID Central Office

- (i) Er. Ashwin B. Pandya Secretary General
- (ii) Dr. Sahdev Singh Director (Knowledge Management)
- (iii) Mr. Madhu Mohanan, Communication Officer

- (iv) Mrs. Dipika Srivastava, Assistant Knowledge Officer (IT)
- (v) Ms. Aditi Bhowmick, Assistant Knowledge Officer

(c) Observer: Mr. Paavan Reddy (India)

3. Secretary General Ashwin B. Pandya commenced the meeting and welcomed all the members of IYPeF. He started with the comment that Young Professionals (YPs) are the future of ICID and then informed about the various new initiatives taken by ICID Central Office for the YPs including the 'ICID Knowledge Portal' to make IYPeF more effective and productive. He urged all the YPs to take maximum advantage of the new portal upon its launch and also make it rich and informative through their contributions. SG Pandya then handed over the proceedings of the meeting to Dr. Sahdev Sigh, Dir-KM. Dr. Singh explained that the aim of the meeting was to discuss the action points emerging from the minutes of the 3rd IYPeF meeting held in Saskatoon, Canada in August 2018; finalize the topics for e-Discussions and webinars for year 2018-19 and to receive comments/feedback on the revised IYPeF scheme, approved during the 4th Management Board (MB) Meeting held on 1 November 2018. Ms. Adey Mersha could not attend the meeting due to some technical glitch.

4. A brief summary of discussion and identified actions points are as follows:

(a) Review of minutes of 3rd IYPeF meeting held in August 2018

5. The minutes of the 3rd IYPeF meeting held on 14 August 2018 were circulated for comments and some minor edits were made. The final minutes incorporated with comments from IYPeF members were submitted to the Central Office after a week for inclusion on the ICID website and is now available at http://www.icid.org/min_iyepf.pdf.

(b) Feedback/comments on the revised IYPeF scheme

6. The revised IYPeF scheme which has been modified with the objective to bring necessary changes in the concept and working rules of the Forum and to make the participation of Young Professionals in various ICID activities more productive and effective was approved during the 4th MB meeting (1 Nov 2018) and later shared with the IYPeF members. Mr. Amali and Mr. Paavan shared their views/suggestions on the scheme during the meeting which were duly taken into consideration.

(c) e-Discussions

7. Dr. Singh suggested that similar to the previous year, five e-Discussions on various topics in tandem with the 3rd World Irrigation Forum (WIF3) theme/sub-themes would be organized during the period Jan–May 2019. Dr. Singh emphasized the importance of timing and ending the discussions two months prior to WIF3 event in Bali in Sept 2019 to ensure that sufficient time is available for the selection of YPs eligible for scholarships and to process their travel/visa arrangements. YPs also noted the shorter timeframe for e-Discussions and webinars and accordingly streamline the activities.

8. After discussion the following course of action was agreed:

- (a) IYPeF in consultation with ICID CO will identify topics for each e-discussion which will be organized sequentially (not in parallel) for a duration of 2 weeks beginning on the 15th of every month from January-May 2019.
- (b) One of the coordinators will take the lead for a particular e-discussion. He/she may form a team of 2-3 persons of his/her choice or may invite from IYPeF with facilitation from ICID CO to coordinate and manage the e-discussion and also prepare a concept note giving a brief introduction, objective, scope and expected outcomes from the discussion.
- (c) The Concept note needs to be shared with ICID CO 15 days prior to the e-Discussion so that it can be shared with relevant ICID working groups (WGs) for their views/suggestions, if any.
- (d) IYPeF coordinators are encouraged to approach suitable mentors for their e-Discussions. ICID CO in consultation with the relevant WGs will identify and may assign an expert as Mentor for e-discussion and can also facilitate a formal invitation to potential mentors on request. To make the e-Discussions more engaging and informative, the IYPeF coordinators should follow up with the assigned mentors and make sure to get them engaged by sending reminders or asking for their views whenever needed during the course of discussion.
- (e) After completion of each e-discussion, the lead coordinator(s) will prepare a 2-page publication-ready brief summary and outcome report of the discussion. The report needs to be submitted to ICID CO within two weeks of the e-Discussion.

IYPeF Agenda Item 3. IYPeF e-Discussions (completed)

No	Topic/ Theme	Lead IYPeF Coordinator	Mentor	Schedule
1.	Non- Conventional Water Use/re-use in irrigation	Dr. Eman Ragab	Dr. Ragab Ragab, Vice President Hon. ICID, Head, Water, Soils and Landscapes, Centre for Ecology and Hydrology, CEH, UK	15-31 Jan 2019
2.	Solar-Powered Irrigation System: Exploring Opportunities and Threats	Mr. Amali & Mr. Paavan	Dr. Petra Schmitter (Research Group Leader-Agriculture Water Management, IWMI)	15 Feb -2 March 2019
3.	Soil conditions (wellbeing) to ensure sustainable agriculture and coping with climate change	Mrs. Kathleen Murray & Mr. Shoaib Saboory	Dr. Prashant (Purdue University)	15-31 March 2019
4.	Flood management in agriculture	Ms. Sahar Norouzi	Dr. Kamran Emami (Iran)	15-30 April 2019
5.	Cost effectiveness of field drainage (subsurface drainage or open channel drainage)	Ms. Adey to coordinate; Mrs. Kathleen to support	Dr. Tena Alamirew, AA University, Water and Land Resources Center	15-31 May 2019

IYPeF Agenda Item 4. IYPeF Webinars (completed)

No.	Topic	Speaker	Coordinator	Schedule	Remarks
1.	Open Source Geo-Spatial Tools and Mobile Device for Canal Network Digitization	Mr. Paavan Kumar Reddy Gollapalli (India)	ICID Central Office	14 Dec 2018	Held as per the schedule
2.	Water use efficiency and water productivity, Experience from Afghanistan	Mr. Najum Anjum (Afghanistan)	Mr. Shoaib Saboory, Afghanistan	13 Feb 2019	Mr. Shoaib to coordinate and give date confirmation

IYPeF Agenda Item 5. Upcoming Training and WIF3

9. ICID in close collaboration with the Indonesian Committee on Irrigation and Drainage (INACID), International Water Management Institute (IWMI), and the United Nations University (UNU-FLORES) is organizing the International Young Professionals Training Program during the World Irrigation Forum (WIF3) from 1-7 September 2019 in Bali, Indonesia. The following 12 YPs have been shortlisted for participation in the training and WIF3 out of a total 32 nominations.

No.	Name	Country	NC	Nominated by
1	Mohammad Shoaib Saboory	Afghanistan	AfNCID	Naseer Ahmad Fayez
2	Kathleen Murray	Australia	IACID	
3	Eman Ragab Mohamed Nofal	Egypt	ENCID	Hesham Ali Mostafa
4	Adey Mersha	Ethiopia		Bart Schultz
5	Heidi Salo	Finland	FINCID	Harri Koivusalo

No.	Name	Country	NC	Nominated by
6	Sahar Norouzi	Iran	IRNCID	Mehrzad Ehsani
7	Rafat Nael AbdulGhani Al-Intaki	Iraq	IRQCID	Nisreen Sami
8	Amali Abraham Amali	Nigeria	AFRWG	Mohamed Wahba
9	Engr. Higelaine I. Lapac	Philippines	PNC-ICID	Juris U. Huerta
10	Ekaterina Viktorovna Fedotova	Russia	RuCID	Irene Bondarik
11	Wele Methrige Sumith Priyankara	Sri Lanka	SLNCID	T J Meegastenna
12	Iuliia Danylenko	Ukraine	UACID	Peter Kovalenko

IYPeF Agenda Item 6. Any other Business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali (Indonesia) after the meeting.
2. Chair to participate and present his report to PCSO meeting on 5 September 2019.

**AGENDA FOR THE 39TH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

06 September 2019, 09.00-18.15 hours
Bali, Indonesia

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

Members: (1) Vice President Hon. Dr. Ding Kunlun, Chairman (China, 2015); (2) President Hon. Mr. Peter S. Lee (UK, 2013); (3) Ms. Aysen Pervin Güngör (Turkey, 2014); (4) Vice President Hon. Mr. Chaiwat Prechawit (Thailand, 2014); (5) Vice President Hon. Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2015); (6) Mr. Ali Reza Salamat (Iran, 2015); (7) Prof. Michele Perniola (Italy, 2018); (8) Dr. Tsugihiko Watanabe (Japan, 2018); (9) VP Dr. Brian T. Wahlin (USA, 2018) and (10) Er. Ashwin B. Pandya, Secretary General, ICID

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

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

PCTA Agenda Item 1: Presentation/Lecture by an Expert

1. The Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia, with broad technical input from ICID, have developed a software tool 'Basin Futures', which is a web application that is an entry level modelling tool that aims to support rapid and exploratory basin planning globally. As a cloud-based tool, it brings together high-performance computing and large-scale global data sets to make data analysis accessible and efficient. Basin Futures can be used to explore and plan water-related development and climate scenarios to help in decision making process. ICID and CSIRO have an MOU for furthering scientific cooperation and jointly promote scientific tools such as Basin Futures among different stakeholders.

2. Mr. Amit Parashar, CSIRO, Australia will make a brief presentation on Basin Futures during the meeting.

PCTA Agenda Item 2: ATR on the minutes of the 38th Meeting of PCTA

3. An Action Taken Report (ATR) on the minutes of the 38th PCTA meeting at Saskatoon in 2018 is given at **Annex**.

PCTA Agenda Item 3: Membership of the PCTA and Workbodies

4. As per ICID By-laws 3.8.1(c), PH Peter S. Lee (UK) shall be completing his tenure of six years as member of PCTA at Bali meeting (2019). The Irrigation and Water Forum/British National Committee of the International Commission on Irrigation and Drainage (IWF/ICID.UK) has been requested to nominate a suitable replacement in his place on completion of his term of membership.

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

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

6. Last year, the Committee examined the activities identified in the Action Plan 2017-21, appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) which are committed to be achieved over a period of five years. The Action Plan, which is designed to be living and dynamic and rolling in nature and includes activities for converting vision to action, may be monitored annually and reviewed triennially, as envisaged in 'Road Map to ICID Vision 2030'.

7. As the workbodies play a pivotal role in converting the vision into action, by focussing their activities towards measurable outputs which could form part of the products that could be disseminated to the NCs which might be useful to the NCs in achieving the goals set as part of their national mandates. Accordingly, the Action Plan 2018-

2022 will be scrutinized through the existing monitoring mechanism, based on the progress achieved by the workbodies reporting to the Committee under four Strategy Themes, and suggest appropriate ways and means to achieve them.

8. Efforts are being made to ensure that ICID is an efficient, effective and sustainable organization, in order to achieve its vision and mission and for that, as decided ICID should address policy issues, challenge itself and promote out-of-the-box thinking such as curtailing the presentation of papers within one day, addressing one question per Congress and organizing joint meetings of the WGs under each of the four strategy themes. Following the decision of 68th IEC meeting vide its Resolution IEC-2/68, SC-E-THEMES has been mandated to (i) work out the structure of the meetings, related to IEC, particularly the WGs at the ICID annual meetings to make them more effective and (ii) to draw guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc. As per the recommendation of SC-E-THEMES, a joint session of the workbodies under ST-ON-FARM was held in Saskatoon in August 2018, followed by a virtual meeting in May 2019. A joint session of the workbodies under ST-ON-FARM is scheduled in Bali, Indonesia. The Chair of the Sub-Committee, will present the report of the Sub-Committee on these mandated activities to PCTA and their workability.

9. PCTA may review the Action Plan 2018-22 based on the progress achieved by WGs reporting to the Committee and suggest appropriate ways and means to achieve them.

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

10. The National Committees have been requested to establish Regional Nodes within the framework of the Revised IRPID Scheme (https://www.icid.org/irpid_scheme.pdf) adopted at the 67th IEC meeting (2016) vide Resolution IEC-3/67 and notified vide Notification No.06 of 2017 dated 23 February 2017.

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

PCTA Agenda Item 6: Independent Service Unit (ISU) –relevance to ICID Mission

12. Vide Resolution IEC-1/69, the 69th IEC meeting has granted an ‘in principle’ approval to the recommendation of Special Task Force on Independent Service Unit (STF-ISU), for the development of a detailed project proposal and obtain necessary statutory approvals, with endorsement from the Management Board (MB) in consultation with NCs for the potential launch of Independent Service Unit (ISU) as part of 70th ICID Celebrations of ICID at Bali, Indonesia in September 2019.

13. Accordingly, the Detailed Project Report (DPR) for the techno-economic feasibility of the establishment of ISU has been prepared and subsequently approved by STF-ISU, including the statutory modalities for the launch of ISU at Bali during ICID’s 2019 annual events.

14. Secretary General Er. Ashwin Pandya will apprise the Committee about the salient features of ISU and its relevance to ICID mission.

15. The Committee may consider the technical aspects of ISU and provide its inputs for its successful functioning, while meeting the needs of ICID stakeholders.

SUPP: 15A. In view of the views and suggestions received from Members of the STF-ISU on detailed proposal for establishment of ISU, approach for establishment of ISU was reviewed and renewed consultations were made with the financial advisors and other experts in order to explore the modular approach for establishment of ISU. Experts suggested phasing out of the service provision by making use of revised provision under Income Tax Act where ICID can generate incidental additional income by providing its fee based services up to the extent of 20% of its total receipts. Based on the discussions with the experts, following two phases for providing services by ICID were suggested and discussed in the meeting of STF-ISU in August 2019:

- (i) **Phase I:** Start ISU as a Service Unit (SU) of ICID and provide services for generating incidental income up to the extent of 20% of total receipts of ICID. Note on proposal for Phase I can be accessed through link <https://www.icid.org/ISU-1.pdf>
- (ii) **Phase II:** Once SU reaches a turnover of 20% of ICID receipts (likely period of this phase is 3-4 years), incorporate ISU as a separate legal entity under Indian Companies Act as suggested in the DPR, if considered necessary.

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

16. 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 Adaptive Flood Management (WG-AFM)

17. The Chair of the WG will present the report of the meeting of the WG-AFM.

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

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

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

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

PCTA Agenda Item 7.4: Working Group on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST)

20. The Chair/Representative will present the report of the meeting of WG-IDSST.

PCTA Agenda Item 7.5: Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD)

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

PCTA Agenda Item 7.6: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

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

PCTA Agenda Item 7.7: Task Team on Transboundary Water Management and Effect on Agriculture Water Management (TT-TWM-AWM)

23. Chair/Secretary General will present the report of the meeting of the TT-TWM-AWM.

PCTA Agenda Item 7.8: Synthesis Report by Co-Theme Leaders of ST Basin

24. VP Er. Naoki Hayashida (Japan) and VP Dr. Kamran Emami (Iran), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2018-2022.

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)

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

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

26. VP Dr. Kamran Emami, Chair of the WG will present the report of the first meeting of WG.

PCTA Agenda Item 8.3: ICID Journal Editorial Board (EB-JOUR)

27. 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: Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD)

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

PCTA Agenda Item 8.5: Task Force to Guide ICID Inputs to World Water Forum 9 (TF-WWF9)

29. PH Dr. Saeed Nairizi, Chair of the TF will present the report of the meeting of the TF-WWF9.

PCTA Agenda Item 8.6: Working Group on Value Engineering (WG-VE)

30. The Chair of the WG will present the report of the meeting of the WG-VE.

PCTA Agenda Item 8.7: Synthesis report of Co-Theme Leaders of ST Knowledge

31. VP Waseem Nazir (Pakistan) and VP Dr. Brian T. Wahlin (USA), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2018-2022.

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

PCSO Agenda Item 9.1: Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM)

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

PCSO Agenda Item 9.2: Working Group on Water and Crops (WG-WATER & CROP)

33. VPH Dr. Ragab Ragab, Chair of the WG will present the report of the meeting of the WG-WATER & CROP.

PCSO Agenda Item 9.3: Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI)

34. Dr. (Ms.) Anna Tedeschi, Chair of the WG will present the report of the meeting of the WG-NCWRI.

PCSO Agenda Item 9.4: Synthesis report of Co-Theme Leaders of ST On-Farm

35. VP Madhav Belbase (Nepal) and VP Dr. K. Yella Reddy (India), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2018-2022.

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)

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

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

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

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

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

PCTA Agenda Item 10.4: Working Group on Rain Water Harvesting (WG-RWH)

39. Mr. Geoff Harvey, Chair of the WG will present the report of the meeting of the WG-RWH.

PCTA Agenda Item 10.5: Working Group on Sustainable Drainage Management (WG-SDRG)

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

PCTA Agenda Item 10.6: Working Group on Water Saving in Irrigated Areas (WG-WATS)

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

PCTA Agenda Item 10.7: Synthesis Report by Co-Theme Leaders on ST Schemes

42. VP Dr. Irene Bondarik (Russia), VP Dr. Marco Arcieri (Italy) and VP Ahmed EL BOUARI (Morocco), the Co-theme Leaders may present their report, while taking stock of the progress of WGs in achieving the activities identified under the Action Plan 2018-2022.

PCTA Agenda Item 11: Newly Proposed Workbodies

43. For the 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 (*Annex R2.2 of Resolution IEC-2/63*) approved by 63rd IEC meeting at Adelaide, Australia in June 2012, a Scoping Document (SD) needs to be submitted by a workbody proposing to be established or seeking to be extended, 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 the PCTA to make appropriate recommendation to avoid any overlaps or gaps vis-à-vis workbodies already in action.

44. During the discussion in 36th PCTA meeting in Chiang Mai, Thailand in 2016, the issue of lack of interest in certain WGs was expressed. It was therefore recommended that unless interest is expressed by at least 10 NCs in supporting the WG, it could at best be established as a Task Team for keeping the interest in the topic live. These TTs should essentially work towards a well-defined objective and predominantly through Web based tools. As the implementation of the Road Map needs partnership, it is important that the WG should actively seek potential collaboration with international partners and take those activities into account while drawing up their plan.

45. The 68th Council meeting held at Mexico City, Mexico in 2017 endorsed the recommendations of PCTA that the WG (new or extension) should be approved only, if at least 10 NCs support its activities by way of sponsoring its experts to participate in the WG's activities. For that, the SDs of the proposed new WGs are required to be circulated among all NCs for gauging their interest and support.

46. Any proposal for the establishment of new workbodies or extension of existing workbodies will be put up to the Committee, if SDs in this regard have been received in the Central Office in time.

PCTA Agenda Item 12: Report on the outcome of WIF3

47. INACID Representative will present a report on the outcome of 3rd World Irrigation Forum (WIF3).

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

48. 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: Any other business



ACTION TAKEN REPORT ON THE 38th MEETING OF PCTA
16 August 2018, Saskatoon, Saskatchewan, Canada

Item	Recommendation	Decision of 69 th IEC	Action Taken
4. Road Map to ICID Vision 2030: Review of the Action Plan 2017-2021			
	Recommended that the existing mechanism to monitor the Action Plan 2017-21, under which the WGs have been requested to monitor the progress of activities and report it to their respective Permanent Committees. The strategy theme leaders will also take stock of the progress of the activities to be undertaken by the WGs under four strategy themes and present it in their synthesis reports and later to the Council meeting.	Endorsed (Para 47 of 69 th IEC Minutes).	Strategy Theme Leaders and WG Chairs have been requested to provide report on progress of activities under Road Map.
5. International Program for Irrigation and Drainage (IRPID) Scheme			
	Recommended that the establishment of three Regional Nodes in Africa, Mediterranean and Central Asian & Caucasus Regions be accepted.	Approved in principle vide Resolution IEC-2/69.	The Council's decision has been communicated to the NCs of Egypt for Africa Region, Italy for Mediterranean Region and Tajikistan for Central Asian and Caucasus Region.
6. Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)			
	Recommended that the WG-BIO-FUEL be merged with WG-WATER & CROP.	Approved vide Resolution IEC-2/69.	Notified the merger among the NCs, vide Notification No.21 of 2018 dated 10 December 2018.
	Recommended that the WG on Adaptive Flood Management (WG-AFM) be set up based on the proposed mandate.	Approved vide Resolution IEC-2/69.	Notified the setting up of the WG-AFM among the NCs, vide Notification No.01 of 2019 dated 08 February 2019.
7. Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)			
	Recommended that the revised and renamed scheme of World Heritage Irrigation Structures (WHIS) be approved.	Approved vide Resolution IEC-2/69.	Notified the revised and renamed WHIS Scheme vide Notification No.16 of 2018 dated 30 November 2018.
	Recommended to investigate the need for the establishment of the WG on Value Engineering (WG-VE) subject to completion of out of TF-VE and resubmission of revised Scoping Document for getting support of at least 10 NCs to nominate experts for membership of the WG.	Approved in principle vide Resolution IEC-2/69.	The Chair has been requested to submit the revised SD along with report of completion of mandate of the TF-VE.
10. Newly proposed Workbodies			
	Recommended the establishment of (i) WG on Non-Conventional Water Resources for Irrigation (WG-NCWRI); (ii) TF to Guide ICID Inputs to 9 th World Water Forum (TF-WWF9) and (iii) WG on Rain Water Harvesting (WG-RWH).	Approved vide Resolution IEC-2/69.	Notified the establishment of these WBs.

Item	Recommendation	Decision of 69 th IEC	Action Taken
11. Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)			
	Recommended for approval of the Sub-Committee's recommendations (i) to work out the structure of meetings related to IEC and draw guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by ways of combining the meetings of WGs with areas of common interest and (ii) the topics for Theme and Sub-Themes for 4 th World Irrigation and Forum in 2022 and Questions for 25 th ICID Congress (2023).	Approved vide Resolution IEC-2/69.	As the venues for WIF4 and 25 th Congress are yet to be finalized, the decision has been kept in abeyance.
12. Any other business			
	Recommended for the in-principle approval of the TT on Transboundary Water Management and Effect on Agriculture Water Management (TT-TWM-AWM), based on the SD submitted.	Approved vide Resolution IEC-2/69.	SD circulated and the establishment of TT was notified vide Notification No.20 of 2018 dated 10 December 2018.



**AGENDA FOR THE FOURTH MEETING OF THE
INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION & DRAINAGE:
ADVISORY COMMITTEE (AC-IRPID)**

01 September 2019: 09:00-11:00 Hours
Bali, Indonesia

Members: (1) VPH Dr. Ding Kuntun, Chair (China); (2) Dr. Narges Zohrabi, Head, Ahwaz Regional Node of IRPID-IRN (Iran); (3) Ms. Gao Hong, Vice Secretary, CNCID & Representative of Beijing Regional Node of IRPID (China); (4) Mr. Dilshod Kimsanov, Head, Central Asian and Caucasus Regional Node, (5) Ms. Sasha Koo-Oshima, FAO Representative; (6) Mr. Pieter Waalewijn, World Bank Representative, (7) Dr. Alok Sikka, IWMI Representative; (8) VP Mr. Waseem Nazir, Co-Theme Leader, Strategy Theme-Knowledge (Pakistan); (9) VP Dr. Brian T. Wahlin, Co-Theme Leader, Strategy Theme-Knowledge (USA); (10) VP Er. Naoki Hayashida, Co-Theme Leader, Strategy Theme-Basin (Japan); (11) VP Dr. Kamran Emami, Co-Theme Leader, Strategy Theme-Basin (Iran); (12) VP Dr. Irene Bondarik, Co-Theme Leader, Strategy Theme-Schemes (Russia); (13) VP Dr. Marco Arcieri, Co-Theme Leader, Strategy Theme-Schemes (Italy); (14) VP Mr. Ahmed EL BOUARI, Co-Theme Leader, Strategy Theme-Schemes (Morocco); (15) VP Mr. Madhav Belbase, Co-Theme Leader, Strategy Theme-On-Farm (Nepal); (16) VP Dr. K. Yella Reddy, Co-Theme Leader, Strategy Theme-On-Farm (India) and (17) Mr. Ashwin B. Pandya, Secretary General, ICID.

Terms of Reference (ToR): The Advisory Committee is responsible for developing a Framework Action Plan for the program, guided by the concept document as was presented at the 61st IEC in Yogyakarta in 2010 and keep overall coordination among the Nodes duly supporting their autonomy and maintaining flexibility in fulfilling their roles. These can be categorised as follows:

- (a) Develop the Strategy duly describing the strategic objectives and a Framework Action Plan for the program;
- (b) Review and monitor the implementation of the program to ensure the quality of outputs and their effectiveness; and
- (c) Mobilize and allocate extra-budgetary resources through joint activities.

AC-IRPID Agenda Item 1: Brief introduction by SG, ICID

1. IRPID Scheme was initially notified vide Notification No.16 of 2016 dated 27 April 2016. However, at the AC-IRPID meeting held in Chiang Mai, Thailand on 05 November 2016, the Advisory Committee reviewed the IRPID Scheme and had a relook at the Vision, aligning its focus with the new ICID Vision 2030 concentrating more on AWM for Rural Development. It was also recalled that while IWMI research is aimed at 'management', ICID should continue to work on the technology aspects. Later, the modified IRPID scheme (http://www.icid.org/irpid_scheme.pdf), giving its vision, mission, objectives, organizational structure, coordination mechanism etc. which envisages to have a proper regional balance at global level in fostering collaborative activities amongst the NCs within that region by affiliating NCs to the identified regional node with similar AWM challenges, was adopted by 67th IEC vide Resolution No.IEC-3/67 at Chiang Mai, Thailand on 12 November 2016 which was notified amongst the NCs vide Notification No.6 of 2017 dated 23 February 2017, while urging the NCs to establish more Regional Nodes.

2. SG, ICID will provide a brief introduction and overview on the IRPID Scheme to the Committee members.

AC-IRPID Agenda Item 2: Inputs from Beijing Regional Node

3. The Head/Representative of the Beijing Regional Node will present a report on the activities undertaken so far by the Beijing RN and future plans for the information of the Advisory Committee.

AC-IRPID Agenda Item 3: Inputs from Ahwaz Regional Node

4. The Head/Representative of the Ahwaz Regional Node will present a report on the activities undertaken so far by the Ahwaz RN and future plans for the information of the Advisory Committee.

AC-IRPID Agenda Item 4: Inputs from Central Asian-Caucasus Regional Node

5. Following the in-principle approval of the 69th IEC at Saskatoon, Saskatchewan, Canada in August 2018 vide its Resolution IEC-2/69, the Tajikistan NC has already taken steps to initiate the establishment of the proposed

Regional Node in Central Asian and Caucasus Region (CAC RN), by providing its initial proposal (**Annex**), giving the mission, objectives, and organizational structure, as per the notified IRPID Scheme.

6. On a request from TAJCID, the Central Office has approached the countries of Armenia, Georgia, Kazakhstan, Kyrgyzstan and Uzbekistan to join the RN as direct members and the NCs of Bangladesh, China, India, Indonesia, Japan, Nepal, Russia, South Korea, Turkey and Vietnam, as partners of the proposed RN, requesting them to contact Mr. Dilshod, Kimsanov, Head, IRPID-CAC RN and Secretary, TAJCID for collaborative arrangements under CAC RN.

7. The Head/Representative of the Central Asian and Caucasus RN will provide an update about the establishment of Regional Node in CAC, and activities, if any, undertaken so far and future plans for the information of the Advisory Committee.

AC-IRPID Agenda Item 5: Evolving Collaborative Research Mechanism among the Regional Nodes

8. The Advisory Committee in its last meeting at Saskatoon, Saskatchewan, Canada reviewed the existing collaborative research mechanism among the RNs and requested all RNs and NCs to encourage the research institutions in their country involved in AWM to join the network by projecting key information of their research activities for wider dissemination and fulfilling the objective of research mechanism among RNs.

9. With this objective to help ICID to serve as a repository of knowledge in irrigation and drainage sector, IrriSEARCH (https://www.icid.org/res_tools.html#Irrisearch), an important tool in fulfilling the objectives of IRPID, has been put in place in accordance with the Irrigation Research (IrriSEARCH) database template approved at the 68th IEC meeting in Mexico City, Mexico in October 2017. It aims to bring together all agriculture water management (AWM) research activities from various NCs on a single forum to help others learn from their experiences. The IRPID Scheme is one of the activities that could provide NCs an opportunity to improve its profile within the countries as it provides various research stakeholders in AWM research, a window to exchange and showcase ongoing research activities in the irrigation and drainage sector worldwide.

10. So far, seven research institutes have registered in the portal. All the RNs and NCs are requested to encourage the research institutions in their country involved in AWM to join the network by projecting key information of their research activities for wider dissemination and fulfilling the objective of collaborative research mechanism among the RNs.

11. The Advisory Committee may review the existing collaborative research mechanism among the RNs and advise the ways and means to further improve it.

AC-IRPID Agenda Item 6: Dissemination Mechanism on Exchange of Research Findings

12. With the objective to encourage the exchanges of research findings on an intra-node basis and inter-nodes basis, ICID CO has created a dedicated page on ICID web site for IRPID (<https://www.icid.org/irpid.html>) and also disseminated about IRPID activities through ICID News update and ICID News.

13. AC-IRPID will deliberate on mechanism to improve wider dissemination and exchange of research findings among RNs, NCs and other stakeholders.

AC-IRPID Agenda Item 7: Establishment of Additional Regional Nodes

14. This year also, ICID requested the NCs to establish additional Regional Nodes, by circulating the IRPID Scheme in force, in regions, where the RNs are yet to be formed, keeping in view that new Regional Nodes should be recognized on the basis of their willingness to be able to pursue the research activities from their own resources. The RNs should be proposed voluntarily, based on identified needs. It is necessary to set some guiding principles in defining the scope of Regional Nodes both in terms of its geographical location and region-specific needs.

15. In 2018, the 69th IEC meeting approved in principle vide Resolution IEC-2/69, the establishment of Regional Nodes for North Africa proposed by Egyptian NC supported by NCs of Sudan and Morocco, Mediterranean Countries proposed by Italian NC and Central Asia and Caucasus Regions proposed by Tajikistan NC (TAJCID), while keeping in abeyance the proposal for establishment of a Spanish speaking Regional Node in Mexico consisting of Mexico and other Latin countries, with the initiative of Mexican NC.

16. The representatives of NCs of Egypt and Italy may apprise the Committee about the progress in the establishment of RNs in the proposed regions.

AC-IRPID Agenda Item 8: Leveraging National Funding for Raising Financial Resources by RNs

17. One of the objectives of the IRPID is to support the NCs to receive adequate funding from their own governments. At Chiang Mai meeting of the Advisory Committee, the members were unanimous in their opinion that the NCs, through the outcomes of the Regional Nodes, sharing the best and new technologies, making use of various ICID communication channels, such as web pages, ICID News and Irrigation and Drainage Journal were in the best position to leverage the research and development outcomes for their direct implementation in the field. They should be able to leverage their national funding sources by international collaboration. Although it is recognized that in many cases, the NCs may not be able to raise resources for international activities. In such cases, the Program can approach international funding mechanisms that support AWM activities. However, in order to attract such funding for the IRPID program, there is a need to have a good track record of successful outcomes.

18. Last year, the Committee discussed the means for raising financial resources, including securing supports from government, obtaining enterprise sponsorship and lobbying international organizations like FAO to support IRPID training and research programs.

19. The Committee may deliberate on the ways and means to RNs for raising financial resources and provide its recommendations to the RNs to act upon.

AC-IRPID Agenda Item 9: Any Other Business



REGIONAL NODE OF INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION AND DRAINAGE FOR CENTRAL ASIAN AND CAUCASUS REGION (IRPID – CAC RN)

IRPID – CAC RN will be hosted by Tajikistan National Committee on Irrigation and Drainage for developing and implementing research agenda in the irrigation and drainage sector to meet the challenges of water security and food security.

The names of the countries proposed to be part of the proposed IRPID – CAC RN are followings: Bangladesh, China, Japan, Kazakhstan, Nepal, Turkey, Uzbekistan, Vietnam, Georgia, India, Indonesia, Russia, South Korea and Kyrgyzstan.

- 1. Mission** of CAC RN is to enhance research activities in irrigation and drainage science, technology and management aspects of irrigation and drainage, and capacity development within the member countries to achieve water and food security.
- 2. Objectives** of CAC RN is to:
 - (a) Strengthening cooperation in the region by initiating researches related on development of innovative ideas and technologies for the development of irrigation and drainage;
 - (b) Creating a regional platform for sharing experience and coordinating joint actions for the development and application of advanced technologies;
 - (c) Implementation of regional programs, and the involvement of partners for the development of irrigation and drainage;
 - (d) Generate synergy among member countries to conduct research programs on common irrigation and drainage problems.

The activity of CAC RN will be carried out through conducting of periodical meetings, conferences, workshops and other events in order to share experience, knowledge and outcome of researches in the field of irrigation and drainage.

In addition, Memorandums of Understanding (MoU) are also expected to be signed among country members, which will contribute for exchange the experience and knowledge concerning irrigation and drainage issues. Action plan are also expected to be develop for coordination of joint actions on the development and introduction of advanced technologies, implementation of regional programs as well as determination of the topics that the CAC RN is expected to address.

The joint activities between country members of CAC RN in the framework of the MoU will be carried out in the following forms:

- (a) exchange of experience and published information on advanced technologies in the field of irrigation and drainage;
- (b) holding bilateral meetings, conferences, workshops and organizing working groups;
- (c) the publication of reports, scientific articles and monographs;
- (d) exchange of delegations of researchers and experts from relevant institutions.

3. Management Board of IRPID – CAC RN

Tajikistan NC will constitute a Management Board of IRPID – CAC RN and coordinates and will acts as its Head. IRPID - CAC RN will

- (a) orient research activities according to the agreed Framework Action Plan aligned to overall ICID strategies;
- (b) coordinate high quality research in accordance with the work plan agreed to;
- (c) report research impacts as is required by the Board or any performance contract; and
- (d) empower member countries in fulfilling their objectives.

4. The composition of MB of CAC RN:

- (a) Head of RN – (Mr. Dilshod Kimsanov - Secretary of Tajikistan NCID),
- (b) Representatives of participating member countries,
- (c) Representative of PCTA,
- (d) Executive Secretary (Mr. Sharif Mahmudov- Land reclamation and irrigation Department specialist)
- (e) Regional FAO Representative in Tajikistan (Mr. Daler Domullojonov),
- (f) Regional IDB Representative, or other world/regional development banks, donors.

5. The functions of the IRPID – CAC RN

- (a) Enhance research activities in irrigation and drainage science, technology, and management aspects in a concerted action within the member countries.
- (b) Support uptake of the advanced techniques suitable to the regional conditions,
- (c) Support capacity development activities of members through training and/or workshops,
- (d) Promote efficiency of each member to work individually, and
- (e) Enhance financial resources available to members through joint projects and implement such joint activities.

6. MB of CAC RN responsibilities

Each unit carries out the following duties:

- (a) **Head of CAC RN:** is responsible for all the research and capacity development activities according to the agreed work plan prepared and approved, adhering to the Framework Action Plan,
- (b) **Representatives of member countries:** Are responsible for implementing the work plan and coordination within their countries,
- (c) **Representative of PCTA:** Reporting on research impacts as is required by the management board of the regional node or any performance contract,
- (d) **Executive Secretary:**
 - (i). Is responsible for the day to day works of coordination and shall save and report to the AC.
 - (ii). Support the Node autonomy and flexibility in fulfilling their roles.



APPENDIX I [PCTA Item 7.1]

**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON ADAPTIVE FLOOD MANAGEMENT (WG-AFM)**

05 September 2019, 09:00-11:00 hours (Session-I)
05 September 2019, 11:15-13:15 hours (Session-II)
Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Completion of the Mandate: 2022

Mandate (New): To motivate ICID National Committees in various countries to set up their National Working Groups, (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management; (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject; (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to floods and coping with floods including community participation with focus on impact of floods on agriculture water management; (e) To prepare a paper on “Adaptive Flood Management” for publication in Irrigation and Drainage (IRD); and (f) To finalize a book on “Adaptive Flood Management”.

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

WG-AFM Agenda Item 1: Introduction of the new Working Group

1. At the 69th International Executive Council (IEC) meeting held at Saskatoon, Canada on 17 August 2018, in the absence of the Chair Dr. Kamran Emami (Iran), Mr. Maurice Roos (USA) presented the report based on the finalized Scoping Document for the new Working Group on Adaptive Flood Management (WG-AFM). The Council accepted the recommendation of the PCTA to establish a new Working Group on Adaptive Flood Management (WG-AFM)¹ under the thematic area “Basin”. ICID vide Notification No. 1 of 2019 dated 8 January 2019 notified setting up of the WG-AFM with the following new mandate and invited National Committees to nominate suitable experts/professionals for the new WG.

New mandate of the WG:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups,
- (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management;
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject;
- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to floods and coping with floods including community participation with focus on impact of floods on agriculture water management;
- (e) To prepare a paper on “Adaptive Flood Management” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on “Adaptive Flood Risk Management”.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the ‘Expression of Interest’ to initiate the processes. No WebEx meeting of the WG could be arranged during the year.

3. The ICID CO has invited nominations from the National Committees for the membership of the working group in the month of February 2019. In response, the Afghanistan National Committee of ICID (AFGICID) and U.S. National Committee on Irrigation and Drainage (USCID) have nominated Mr. Sayed Sharif Shobair (Afghanistan) and Mr. Delbert Smith (USA) for the membership of the WG. Chairman in consultation with Vice-Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1 (referelectronic version for latest list)**. New nominations, if any, for the membership received will be dealt suitably after the meeting.

¹IEC Resolution 1/69: Organizational and Technical Matters of ICID [sr. no. 5]

SUPP:The Malaysian National Committee of ICID (MANCID) vide email of 7 August 2019 has nominated Dato's Ir. Mohd Azmi Bin Ismail (Malaysia) for the membership of WG-CDTE.

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

4. During Saskatoon meeting, it was noted that the WG finalised the Action Plan 2030 (Road Map to ICID Vision 2030) of the WG-AFM based on the new mandate by updating the activities on flood management issues (refer **Annex 2**) which could not be discussed due to absence of the members of the group. In this regard, the WG decided to review this item in the next meeting of the WG in September 2019 at Bali, Indonesia. WG Chair/ members will review and finalize its roadmap to vision 2030.

WG-AFM Agenda Item 3: Closure report of erstwhile WG-CAFM and Publication of the Working Group on 'Adaptive Flood Risk Management'

5. In absence of WG Chair Dr. Emami, this item could not be discussed during the WG meeting held in August 2018 at Saskatoon, Canada. Further, WG Chair was requested to provide the closure report of the erstwhile WG-CAFM for records & uploading on the WG website. The chair would update the members on the status of the WG publication titled "Adaptive Flood Risk Management". The publication will cover both structural and non-structural aspects of flood management and it is based on the workshop papers and country presentations on floods. The WG will finalize the schedule for editing and finalizing the publication.

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

6. At Chiang Meeting (2016), it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. ICID Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/update the existing MTD with representatives from various specialized fields at the same time representing various languages. In this connection, a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) was established vide Resolution IEC-2/67 under the Chairman of the PCTA Dr. Ding Kunlun consisting of Chair or representatives of the other WGs and representatives of FAO, IWMI, ADB as its members.

7. Since PCTA would require a feedback from each of the WGs as to how they plan to review/update the terms that fall within the respective scope of activities of the WG, the group will discuss this issue and nominate a suitable expert as a nodal person for reviewing the terms related to the activities of the group. To achieve this goal, it is proposed that WG undertake the review of the concerned terms depending on their domain of expertise suggesting changes / modification and addition of new terms, along with contributing pictures, links and videos related to respective term.

WG-AFM Agenda Item 5: Dissemination of information – Website of the WG

8. The Working Group organized an International Workshop on "Adaptive Flood Management: Recent Great Floods and Lessons Learned" on 12 August 2018 at Saskatoon, Canada where four presentations i.e. (i) "Evaluation of Emergency Operation Procedures for the Central Arizona Project Canal System"; (ii) "Coping with the Biggest Water Year Ever in 2017 on the Sacramento River in California"; (iii) "2018 Floods in Japan" & (iv) "Watershed management in rural area, nutrient runoff from farmland, Water bloom in irrigation pond" were made by Dr. Brian T. Wahlin (USA), Mr. Maurice Roos (USA) and Dr. Ikuo Yoshinaga (Japan) respectively, which have been uploaded on the WG-AFM website (https://www.icid.org/wg_afm.html).

9. In addition, the website of the WG has also been updated with the membership list, agenda, minutes, paper presentations, publications etc. The members of the WG are 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. In order to ensure regular contribution of the members, WG is encouraged to make full use of WebEx platform for virtual meetings in between face-to-face meeting during IEC.

WG-AFM Agenda Item 5.1: Presentation on Floods (Country Case Studies)

10. In reference to the 'Devastating Floods in Iran' in March 2019, the Chair has proposed that a summary of the events, consequences and lessons learned should be presented in the WG meeting. Further, the WG requested

IRNCID to make a presentation on ‘Devastating Floods in Iran’ and nominate a suitable professional/expert in this regard. WG Chair will apprise the members during the WG meeting.

11. It is customary in the WG meeting that a professional/expert from the host national committee make a ‘Presentation on Floods’ (Country case studies) is Indonesian National Committee on Irrigation and Drainage (INACID) this year. The country paper normally covers the flood situation in the host country, major flood events in the past with focus on recent floods in the country. The INACID has been requested to nominate a suitable professional/expert for making such a presentation in the working group meeting. WG Chair/ INACID representative will update the members in the WG meeting.

WG-AFM Agenda Item 6: Webinar / Web-based Seminar

12. During the Chiang Mai (2016) meeting, the WG supported the suggestions of organizing webinars to promote sharing of vast experience available with ICID fraternity. The ICID CO 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-AFM Agenda Item 7: Any other business

13. The Thai National Committee on Irrigation and Drainage (THAICID) has published a Manual on ‘Non-structural Approaches to Flood Management’ in Thai language and distributed it to various stakeholders. ICID CO requested them to send a copy of this manual to the ICID CO for our records. THAICID representative will apprise the members during the WG meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1[Appendix XI, Item1]

A. Members and their attendance at 2018

Sl. No.	Members	2018			Remarks
		Member from (Year)	Self	Contributed by mail	
1	Dr. Kamran Emami (Iran), Chair (2010)	1999			
2	Dr. IkuoYoshinaga (Japan), Vice-Chair	2018	•		
3	Ms. SaharNorouzi – Young Professional (Iran)	2018	•		
4	Engr. SyedMahmood-ul-Hassan (Pakistan)	2018	#		
5	Eng. HindMassoud (Sudan)	2018			
6	Mr. Ahmad BinDakur (Malaysia)	2018	•		
7	Engr. Abdullah Hassan Hussein (Somalia)	2018	•		
8	Mr. Maurice Roos (USA)	2006	•		
9	Mr. Olli-MattiVerta (Finland)	2011	#		
10	Mr. R.K. Agarwal (Direct member), WAPCOS India Limited	2014	•		
11	Mr. Marcel Marchand (Netherlands)	2011			
12	Dr. ArthonSuttigam (Thailand)	2012			
13	Dr. RozalijaCvejic (Slovenia)	2014			
14	AbdelilahTaky (Morocco)	2018			
15	Secretary General, ICID		#		

B. New Nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1	Mr. Sayed Sharif Shobair	Afghanistan	Nomination received
2	Mr. Delbert Smith	USA	Nomination received
3.	Dato' Ir. MohdAzmi Bin Ismail	Malaysia	Nomination received



Through representation

Annex 2[Appendix XI, Item2]

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

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
Strategy B5 : Encouraging Development of Drought Management Policies	5.1 Develop Guidelines on Flood Risk Management strategies	Guidelines		Release first draft guidelines	Release of the finalized guidelines		Updating of the guidelines
	5.3 Publication of the WG on Adaptive Flood Risk Management	Report	Finalization and publication of report				
Goal C: Facilitate exchange of information, knowledge and technology							
Strategy C3 : Promoting Regional Cooperation	3.3 Organise internal/ international workshop on flood management	Proceedings of the workshop	Invite member countries and IOs like WMO, ICOLD, IAHR, APFM etc. (discussion in WG meeting)	Workshop	Workshop	Workshop	
	4.25 Case studies on flood mitigation measures	Technical report		Finalise and publish first set of case studies		Finalise and publish second set of case studies	
SAGoal E: Encourage research and support development of tools to extend innovation into field practices							
Strategy E3 : Developing and Promoting Tools of AWM	3.3 Promote Value Engineering as a tool for enhancing creativity and innovation		Gather case studies of application VE in flood management project	Gather case studies of application VE in flood management project	Prepare a report on the case studies of application VE in flood management project		
Goal F: Facilitate capacity development							
Strategy F3: Technical Training of Young Professionals from member countries	3.10 To launch e-Discussion on Flood Risk Management	Outcome	e-Discussion on Flood Risk Management (discussion in the WG meeting)	To invite member countries/IO s for e- Discussion on Flood Risk Management	Organise a Side Event in WIF3		

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

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

5 September 2019, 14:00-16:00 hours (Session I) and 16:15-18:15 hours (Session II)
Bali, Indonesia

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 academicians, practitioners, decision makers, media as well as farmers and water users in a region; and (e) To join the international dialogue on Climate change and water management.

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

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon, Canada in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. In response, Chair Dr Watanabe has organized the WebEx meeting in March 2019 (*refer item 2*).
3. The PAWEES-INWEPF International Conference 2018 was organized from 20-22 November 2018 in Nara city, Nara prefecture, Japan. The conference was jointly organised by the International Society of Paddy and Water Environment Engineering (PAWEES) and the International Network for Water and Ecosystem in Paddy Fields (INWEPF) in collaboration with the ICID Asian Regional Working Group (ASRWG). WG Chair Prof. Tsugihiko Watanabe steered a session wherein the participants discussed about irrigation and drainage in Asia to achieve the SDGs.

SUPP: Dr. (Ms.) Fransisca Mulyantari (Indonesia) expired in 2018, Chair Dr. Watanabe has requested INACID to nominate a new professional for the membership of the WG however, response is awaited. Representative from INACID may apprise the meeting.

4. Mr. Javeed Iqbal Bokhary (Pakistan) has not contributed to the activities of the group during last two years so recommended to be discontinued and new member would be invited from the National Committee as well as other NCs. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: Ms. Portia S. Angulo from Philippines National Committee (PNC-ICID) vide email of 29 August 2019 has nominated Engr. Reynaldo L. Baloloy (Philippines) for the membership of the working group. The group may like to consider the nomination at the meeting.

WG-CLIMATE Agenda Item 2: Brief of the first WebEx (virtual) meeting organized on 8 March 2019

5. The first WebEx meeting (1/2019) of the WG-CLIMATE was organized on 8 March 2019. Dr. Tsugihiko Watanabe chaired the meeting which was attended by Dr. Ray Shyan Wu, Dr. Fuqiang Tian, Dr. Jih-Shun Liu, Dr. Waleed Hassan M. Abou El Hassan, Eng (Ms.) Nermeen Essam El-Tahan, Dr. Mika Turunen, Mr. Atin Kumar Tyagi, Dr. Nozar Ghahreman, Prof. Choi, Jin-Yong, Prof. Sue Walker, Eng. (Ms.) Talatha Janaki Meegstenna, Ms. DEMIREL YAZICI Dilek, and Mr. Michael Davidson.

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

6. At the outset, Dr. Watanabe welcomed all the participants and then proceeded with the agenda. The meeting deliberated on the brief follow-up of the last meeting of the WG at Saskatoon emanating from the minutes. WG discussed the activities related to the draft table of contents and assignment of corresponding draft authors; publication of the expected outcomes of the WG activities with the Road Map to ICID Vision 2030; workshop plan for WIF3; process of updating the Multilingual Technical Dictionary (MTD) and timetable of the WG Activities for 2019. The Members unanimously agreed to have regular meetings from time-to-time to discuss important emerging issues.

SUPP: The second online WebEx meeting of WG-CLIMATE was organized on 19 August 2019 at 16:30 hours (Indian Standard Time) wherein members discussed about the publication of the WG, updating MTD, international workshop and the participation of Bali meeting etc.

WG-CLIMATE Agenda Item 3: Road Map to ICID Vision 2030 – Status of activities on climate change and agricultural water management

7. At Saskatoon meeting, the group reviewed the revised scope and mandate and availability of resources for achieving various activities. The WG modified the Road Map and assigned certain tasks to its members (refer **Annex 2**). The WG identified following items as the expected activities/outcome/output of the WG under the Action Plan on the Road Map to ICID Vision 2030:

- (a). B2 Strategy : Promoting risk management approaches
- (b). B3 Strategy : Integrated irrigation and drainage management
Organize introduction of the cases to be applied to other regions
- (c). B6 Strategy : Helping development of climate change adaptation strategy
Develop guideline for water management practices under changing climate
Prepare position paper on smart water management for mitigating climate change
Develop position paper on adaptation to climate change
- (d). D2 Strategy : Developing technical documents in non-technical language
Integrated assessment of climate change impacts brief guidelines with compilation of case studies

8. WG members may deliberate on the mechanism of undertaking above activities and latest status of the progress of these activities.

WG-CLIMATE Agenda Item 3.1: Publication of the outcomes of the WG

9. According to the decision of the WG at Saskatoon meeting, Chair confirmed that the previously proposed three publications, which includes “Guideline for Water Management Practices under Changing Climate”, Position Paper on “Smart Water Management for Mitigating Climate Change” and Position Paper on “Adaptation to Climate Change” are to be combined to one publication. It was proposed that the combined publication might have the following parts:

- (a). General introduction on climate change and agricultural water management
- (b). Integrated and innovated assessment of climate change impacts on agricultural water management
- (c). Establishment of adaptation strategy to changing climate
- (d). Development of smart water management for mitigating climate change

10. WG also agreed to deliberate on the table of contents during the coming year, in cooperation with other working groups of ICID. The group adopted the following time line to finalise its table of contents with key statements ready for deliberations in the fourth meeting of WG in Bali in September 2019:

- (a). Draft table of contents, through WebEx meeting and e-mail communication: by November 2018
- (b). Proposal to other WGs for joint editing: by January 2019
- (c). Assignment of corresponding draft authors: by March 2019
- (d). Collection of relevant information including similar publication and international initiatives: by July 2019
- (e). Preparation of sub-chapters and sections with key words or key sentences: by August 2019

11. The proposal for setting up of the editorial team proposed by the Chair Dr. Watanabe was approved. The Chair himself showed his readiness for taking the responsibility of the head of the team, and the following members approved to take part in the team namely Dr. Ray Shyan Wu, Dr. Jih-Shun Liu, Dr. Nozar Ghahreman, Dr. Sue WALKER, Eng. Ms. Talatha Janaki Meegastenna and Mr. Michael Davidson. The editorial team agreed to deliberate the draft table of contents and tentative author assignments before the next meeting of the WG. The team will also make a plan on the expected contribution of all the members of the WG. Chair will provide further updates at the meeting.

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

WG-CLIMATE Agenda Item 4.1: Website of the WG

12. After the Saskatoon meeting, the website of the working group had been updated with the CVs of the members by Dr. Fuqiang Tian, Secretary of the WG, in charge of managing the website of the WG, with the help of the ICID Central Office. ICID Central Office has requested members to provide the interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website.

WG-CLIMATE Agenda Item 4.2: Webinar/ Web based seminar

13. At Saskatoon meeting, Dr. Jaepil Cho of APEC Climate Center (Rep. of Korea) informed about the webinar delivered by him on 5 July 2018 with the title “Seamless Climate Service and Downscaling for Climate Change Adaptation”. WG chair Dr Watanabe stressed the need to plan Webinar by the WG and suggested to discuss and finalise topics and names of experts to deliver webinars through virtual meeting. ICID Central Office has requested the Chair to fill-up the ‘Expression of Interest’ for organization of the WebEx meeting. Accordingly, Chair organized the WebEx meeting in March 2019 (refer **item 2**). Members are requested to participate in the webinar being organized by ICID by accessing the link http://www.icid.org/icid_webinars_past.html.

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

14. During Saskatoon meeting, Chair Dr. Watanabe informed that 129 terms under 10 categories were updated and circulated to the members for their comments by Dr. Waleed Hassan Abou El Hassan (Egypt). It was also proposed to link this with another international global dictionary viz. WMO, IPCC, FAO etc. As decided at Canada meeting, Dr. Waleed Hassan Abou El Hassan circulated the updated Work Plan for updating of MTD on Climate to all members and requested them to edit/ update the terms of MTD related to the scope of the group. Dr Waleed Hassan proposed the following timeframe, steps and target dates for updating the MTD:

- Step 1: Notification of the draft Updated Work Plan. February 15, 2019
- Step 2: Feedback from the WG members on the plan and the categories for terminology: 15 March, 2019
- Step 3: Propose the Updated Work Plan including re-organized categories for terminology: 20 March, 2019
- Step 4: Propose by the WG members on selection of responsible categories: May 31, 2019
- Step 3: Update of the Work Plan with assignment of responsible categories to the WG members: June 30, 2019
- Step 4: Submission of draft for terminologies in the assigned categories: July 5, 2019
- Step 5: Combined draft chapter on climate change: July 15, 2019
- Step 6: The first draft of the MTD chapter on climate change: July 31, 2019

15. According to the work plan, it is proposed that each member of WG-CLIMATE will be assigned two categories and terms of each categories would be drafted by two members (refer **Annex 3**). The team leader Dr. Hassan/ WG Chair will provide further progress on updating MTD at the meeting.

WG-CLIMATE Agenda Item 6: International Workshop on Innovation of developing the strategy for impact assessment during WIF3, September 2019, Bali

16. As agreed during the Saskatoon meeting, WG is organizing an International Workshop on Innovation of Developing the Strategy for Impact Assessment of and Adaptation to the Climate Change as the “New Normal” on 01 September 2019 at Bali. The main objective of the workshop is to discuss the strategies for developing the innovative impact assessment of the climate change on agriculture and the smart water management for adapting to the climate change. Out of total 16 abstracts received for the workshop; the Review Committee/ Chair has accepted 15 abstracts. All the papers received for the workshop will be reviewed by the Committee/ Chair for selection of good papers. Chair will provide further updates of the workshop at the meeting.

WG-CLIMATE Agenda Item 7: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

17. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-two young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

18. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqresponse.pdf> . It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-CLIMATE Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XII, Item 1]

Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Tsugihiko Watanabe, Chairman (Japan)	2015	•	•	•	•	
2.	Dr. Ray Shyan Wu, Vice Chairman (Chinese Taipei)	2015	•	•	•	•	
3.	Dr. Tian Fuqiang, Secretary, (China)	2015	# ²	•		•	
4.	Prof. Dr. Choi, Jin-Yong (Korea)	2015	•	•	•	•	
5.	Dr. Nozar Ghahreman (Iran)	2015	•	•	•	•	
6.	Dr. Waleed Hassan M. Abou El Hassan (Egypt)	2015		•		•	
7.	Mr. Michael Davidson (USA)	2015	•	•		•	
8.	Dr. Guy Jobbins (UK)	2015	•	•			
9.	Mr. Mika Turunen (Finland)	2015	•			•	
10.	Eng. (Ms.) Talatha Janaki Meegastenna (Sri Lanka)	2016		•		•	
11.	Mr. Javeed Iqbal Bokhary (Pakistan)	2016					No contribution during last two years. Recommended for discontinuation
12.	Mr. Sanjay Kumar Singh (India)	2016	#				
13.	Dr. (Ms.) Francisca Mulyantari	2016		•			Dr. (Ms.) Francisca Mulyantari expired in 2018, Chair requested INACID to nominate a new representative
14.	Mr. Atin Kumar Tyagi – Direct Member, JISL (India)	2016				•	
15.	Mr. Jafer Kathom Alwan Alamiryi - Young Professional (Iraq)	2016		•			
16.	Eng. Nermeen Essam El-Tahan – Young Professional (Egypt)	2017		•		•	
17.	Ms. Dilek Demirel Yazici (Turkey)	2017		•		•	
18.	Dr. Jih-Shun, Liu (Chinese Taipei)	2018			•	•	
19.	Prof. Sue Walker (South Africa)	2018			•	•	
20.	Secretary General, ICID		#				
Observers/ Permanent Observers							
(i)	WMO representative						
(ii)	IWMI Representative						
(iii)	FAO Representative						

New nomination received from the National Committee

No.	Name	Country	Remarks
1.	Engr. Reynaldo L. Baloloy	Philippines	Recommended as member, subject to his presence else provisional member

² #Through representation

Annex 2 [Appendix XII, Item 3]

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	Communica tion with International Organization s	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)



Annex 3 [Appendix XII, Item 5]

UPDATING MULTILINGUAL TECHNICAL DICTIONARY (MTD) – CATEGORY-WISE ALLOCATION

Categories	Description	Responsible	Assist
1. Climate/	Global, regional and local, climate variability	Jih-Shun, Liu	Nozar Ghahreman
2. Meteorology/	Main phenomena and elements in meteorology	Michael Davidson	Nozar Ghahreman
3. Climate change/	General terms in global warming and climate change, including climate model, GCMs and RCMs as well as method for downscaling	Michael Davidson	Mika Turunen
4. Extreme events/	Flood, drought and other events resulted of climate change	Nozar Ghahreman	Atin Kumar Tyagi
5. Sea water rise/	Projection, impacts and counter measures	Nozar Ghahreman	Ray Wu
6. Climate change impacts/	Process, impacts, and assessment	Atin Kumar Tyagi	Ray Wu
7. Adaptation to Climate Change/	Policy, method	Atin Kumar Tyagi	Ray Wu
8. Mitigation of Climate Change/	General, policy, and measures	Jih-Shun, Liu	Mika Turunen
9. International frame work/	International and regional major frame works, including UNFCCC and its COPs, WMO, IPCC, etc.	Ray Wu	Jih-Shun, Liu
10. Environmental crisis	Salinity Erosion, air pollution and habitat degradation	Ray Wu	Atin Kumar Tyagi
11. Climate smart	Measures and approaches	Fuqiang Tian	Mika Turunen
12. Economic issues	Climate Funds, climate finance, climate proofing	Fuqiang Tian	Guy Jobbins
13. Related terminologies	Cross-cutting task within each category	Guy Jobbins	Mika Turunen



**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

5 September 2019, 09:00-11:00 hours (Session I) and 11:15-13:15 hours (Session II)
Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

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: https://www.icid.org/wg_env_new.html

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.

SUPP: Mr. Clarke Ballard (Australia) vide his email of 3 August 2019 has informed that due to his commitments to some other activities, he may be replaced by Mr. Carl Walters. Accordingly, ICID Central Office has requested Irrigation Australia's Committee on Irrigation and Drainage (IACID) to endorse the nomination however, response is awaited. Representative from IACID may apprise the WG at the meeting.

3. The Uzbek National Committee (UzNCID) has nominated Akhmadjonov Vokhidjon Mukhammedjonovich for the membership of the working group. Dr. Choi, Joong-Dae (Korea); Dr. Muhammad Basharat Chaudhry (Pakistan); Mr. Mohammad Samiul Ahsan Talucder (Bangladesh) as Direct Member; Dr. Fuqiang Tian (China); and Eng. (Ms.) P.M. Jayadeera (Sri Lanka) have not contributed to the activities of the group during the last two years. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. Chair 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 will be dealt suitably after the meeting.

SUPP: Ms. Portia S. Angulo from Philippines National Committee (PNC-ICID) vide email of 29 August 2019 has nominated Engr. Reynaldo L. Baloloy (Philippines) for the membership of the working group. The group may like to consider the nomination at the meeting.

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

4. During Saskatoon meeting, WG reviewed the Action Plan for WG-ENV and updated the same keeping in view the mandate and availability of resources for achieving various activities. The milestones were decided and updated by the WG in the action plan (*refer Annex 2*). ICID Central Office has requested members to provide suggestions and populate **Annex 2**. The group may like to discuss the action plan and update the same.

WG-ENV Agenda Item 2.1: Publications of the working group

5. At Saskatoon, the group noted that the WG document titled "Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis" by Dr. Sylvain Perret (France) was now available at http://www.icid.org/wg-env_rep_may2018.pdf. During the meeting, it was

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

decided by WG to collect the case studies concerning the “*Positive Ecosystem Services from Irrigation and Drainage Systems*” which may be further developed into ICID technical paper and/or uploaded on a WG website.

6. In April 2019, Dr. Michael van der Laan (South Africa) has provided his comments on the document titled 'Analysis of ecosystem services provided by irrigated agriculture'. Dr Michael also proposed the following topics for discussions viz. (a) Flood control in Nepal, (b) Cape Town wine industry eco-tourism, (c) Filtration of water rich in nitrates e.g. Pretoria, South Africa, (d) Irrigation with acid mine drainage, (e) 'Rice paddy air-conditioning' in Japan.

7. In response to Dr Laan’s suggestion, Dr Seija Virtanen (Finland) has informed that drainage is always needed in cultivated fields since there is a surplus water in Finland during spring and autumn. Dr Seija has also suggested the following topics for consideration by the group: (a) Sub-irrigation and controlled drainage to mitigate acid discharge from acid sulfate soils, (b) Controlled drainage an option to decrease carbon loss from peat fields. Dr. Seija has informed that due to some reason, she cannot take part in the Bali meeting. Chair will provide further updates at the meeting.

WG-ENV Agenda Item 3: Updating Multilingual Technical Dictionary (MTD)

8. During Saskatoon meeting, WG noted the updates provided by Prof Hatcho (Japan) and suggestions provided by Ms. Seija Virtanen (Finland) which are now being forwarded to TF–MTD for further necessary actions. To enrich the MTD further, ICID Central Office has requested members of the WG to further updating the terms, if any, related to the scope of the WG. Chair will provide further updates at the meeting.

WG-ENV Agenda Item 4: Dissemination - Sharing documents on website

WG-ENV Agenda Item 4.1: Website of the group

9. The website of the working group <http://wg-env.icidonline.org/> was updated with new membership list, agenda, minutes, events, etc. ICID Central Office has requested members to provide the interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website.

WG-ENV Agenda Item 4.2: Webinar/ Web based seminar

10. At Saskatoon meeting, the group decided to organize a virtual WebEx meeting concerning the case studies on the “*Positive Ecosystem Services from Irrigation and Drainage Systems*”. ICID Central Office has requested the Chair to fill-up the ‘Expression of Interest’ for organization of the WebEx meeting and/or webinar. The members may discuss the issue further during the meeting.

WG-ENV Agenda Item 5: Workshop to be organized by the working group

11. During Canada meeting, workshop was not organized by the WG due to short time and large number of parallel sessions at Saskatoon. It was, therefore, proposed to organize a workshop during the 70th IEC meeting in September 2019 in Bali, Indonesia. In this regard, ICID Central Office has approached the Chair and requested to organize the workshop jointly with other working groups and fill-up the ‘Expression of Interest’ for organization of the workshop. The group may like to discuss about the organization of the workshop at the meeting.

WG-ENV Agenda Item 6: International Conference on “Promoting sustainable paddy farming to achieve the SDGs”, 20-22 November 2018, Nara City, Japan - Feedback

12. The International Society of Paddy and Water Environment Engineering (PAWEES) in collaboration with International Network for Water and Ecosystem in Paddy Fields (INWEPF) organized the “PAWEES-INWEPF International Conference 2018” from 20-22 November 2018 in Nara city, Japan. PAWEES organized the main technical session entitled “Smart Management of Land, Water and Environment”, divided into three themes namely, (i) Water and Soil Management (ii) Disaster Management and Adaptation; and (iii) Regional Resource Management and Rural Planning. VP Dr. Marco Arcieri, Secretary General (ITAL-ICID) was invited as a speaker and gave a presentation on “Rice cultivation in Italy under the threat of climate change.” Besides the workshop, Prof. Nobumasa Hatcho (Vice Chair-WG-ENV) chaired the INWEPF Steering Meeting and policy and technical sessions. Later a presentation ceremony for the four ICID World Heritage Irrigation Structures (WHIS), presented to Japan in 2018, was organized during the Nara conference. The Kurokawa-Shirakawa Land Improve District introduced the Shirakawa Basin Irrigation System, one of the four registered WHIS, outlining its history, technical features and socioeconomic aspects of the irrigation system.

WG-ENV Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XIII, Item 1]
A. Membership of the group at 2017 and 2018 meetings

Sl. No.	Members	Member from	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. dr. (Ms.) Charlotte de Fraiture, Chair (2016) (Netherlands)	2015	•	•	•	•	
2.	Dr. Michael van der Laan, Vice Chair (South Africa)	2018			•	•	
3.	Dr. Seija Virtanen, Secretary (2018) (Finland)	2015	•	•	•	•	
4.	Prof. N. Hatcho (Japan)	2015	•	•	•	•	
5.	Dr. Choi, Joong-Dae (Korea, Rep. of)	2015					No contribution during last two years. Recommended for discontinuation
6.	Dr. Aynur Fayrap (Turkey)	2015				•	
7.	Ir. Mohd Azmi Ismail (Malaysia)	2015	•			•	
8.	Dr. Muhammad Basharat Chaudhry (Pakistan)	2015					No contribution during last two years. Recommended for discontinuation
9.	Dr. Fuqiang Tian (China)	2015					No contribution during last two years. Recommended for discontinuation
10.	Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh)	2015					No contribution during last two years. Recommended for discontinuation
11.	Dr. Yury Anatolyevich Mozhaiskii (Russia)	2016	•		•		
12.	Eng. (Ms.) P.M. Jayadeera (Sri Lanka)	2016					No contribution during last two years. Recommended for discontinuation
13.	Mr. Usamah Hashim Witwit (Iraq)	2016		•		•	
14.	Prof. (Ms.) Eunmi Hong (Korea, Rep. of)	2018			•	•	
15.	Dr. Ming-Kai Hsieh (Chinese Taipei)	2018			•		
16.	Secretary General, ICID		# ²				

B. New nomination received from the National Committees

No.	Name	Country	Remarks
1.	Akhmadjonov Vokhidjon Mukhammedjonovich	Uzbekistan	Recommended as member, subject to his presence else provisional member
2.	Mr. Carl Walters	Australia	Formal endorsement from IACID is awaited
3.	Engr. Reynaldo L. Baloloy	Philippines	Recommended as member, subject to his presence else provisional member



² # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A6. Strategy: Improving performance of irrigation and drainage systems	6.2 Investigating and documenting positive and negative environmental impacts of irrigation and drainage systems also taking ecosystem services of aquacultures into account.	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)



APPENDIX XIV [PCTA Item 7.4]

**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

04 September 2019, 11:15-13:15 hours (Session I)

04 September 2019, 14:00-16:00 hours (Session II)

Bali, Indonesia

Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: (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.

WG-IDSST Agenda Item 1: Introduction by the Chair¹

1. As per Resolution IEC-2/69, vide notification no.19 of 2018 dated 4 December 2018, the ICID Central Office has informed about the establishment of the Working Group on Irrigation and Drainage in the States under Socio-Economic Transformation (WG-IDSST) and invited nominations from the National Committees. In response, the Irrigation Australia Committee on Irrigation and Drainage (IACID) has nominated Mr Momir Vranes for the membership of the WG.

SUPP: Chinese Taipei Committee (CTCID) has nominated Dr. (Ms.) Ya-Wen Chueh for the membership of the working group.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. The Chair will make a brief introduction of the WG and present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

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

4. At Saskatoon meeting, WG reviewed and updated the activities listed in the action plan of Road Map to ICID Vision 2030 (refer **Annex 2**). After discussion, the WG approved the working plan as follows:

- (a) Organization of training in cooperation with Tajikistan and Chinese National Committees in 2019.
- (b) Organization and holding of the event in Tajikistan dedicated to the theme of 3rd World Irrigation Forum to be held in 2019.

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

5. The group may like to discuss the Road Map to ICID Vision 2030 and firm up the activities at the meeting.

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

6. During Saskatoon meeting (2018), members discussed and deliberated on the development of work plan based on the new mandate and ICID Vision 2030. During the next meeting of the WG-IDSST, the National Committees on Irrigation and Drainage were expected to provide information about their activities such as on ongoing scientific research and the most important smart technologies used (if any). Following suit, UzNCID (Uzbekistan) to highlight the importance of freshwater and advocate sustainable management of freshwater resources organized a one-day conference to celebrate the World Water Day was held on 19 March 2019 at the Tashkent State Institute of Irrigation, Uzbekistan. The conference embraced the theme: “Leaving no one behind” and “Water is life.” R. Mamutov, Deputy Minister of Water Management of the Republic of Uzbekistan delivered the opening address and highlighted the on-going activities for the efficient and economical use of water resources. The conference was well-attended by UN representatives and international organizations including the Asian Development Bank, Swiss Waters Agency, World Bank, scientists, teachers and media; collectively engaging and discussing the importance of water for future development.

7. The Chair may provide update and initiate actions to discuss and develop the work plan based on new mandate at the meeting.

WG-IDSST Agenda Item 3.1: Develop and strengthen the network among the transition states

8. It was proposed 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. Uzbekistan: The Government of the Republic of Uzbekistan, Norway and Japan together with United Nation (on Human Security) organized an event at the United Nations Headquarters in New York in November 2018. Secretary General visited the Aral Sea region and realized the sad social and economic situation, as a result of the desiccation of one of the major continental reservoirs - the Aral Sea. The Aral Sea crisis has already become one of the major environmental concerns. Dust storms from the exposed seabed are spreading about 80 million tons of salts and toxic chemicals over the whole Eastern Europe, to the Himalayan hills, including the coast of Antarctica, glaciers in Greenland and even the forests in Norway. Currently, one of the foreign policy priorities of Uzbekistan is to join the efforts to deal with environmental disasters in the Aral Sea. In this regard, as part of an integrated program to mitigate the impact of the Aral Sea crisis and development of the Aral Sea region, more than 500 projects have been implemented. The efforts of the Heads of the Government for the effective implementation of socio-economic reform in the area within two years refers to the implementation of about 800 projects with the total investment of USD 1.5 billion. Dr. Sukharat (Uzbekistan) may provide an update on the projects taken up as above.

9. The chair may further update and encourage other members to follow suit. The group may like to discuss about strengthening the network among the transition states.

WG-IDSST Agenda Item 3.2: Database of I&D in the states in transition

10. As per mandate of the group, 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. The members of the group may like to discuss at the meeting. The chair may provide further updates and initiate actions.

WG-IDSST Agenda Item 3.3: Case studies and best practices of IWRM

11. The group would like 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. WG may like to discuss about the implementation of IWRM at the meeting. The chair may provide further updates and initiate actions.

WG-IDSST Agenda Item 3.4: Monitor and evaluate the ecological parameter in transition countries

12. WG would like 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. Chair may like to discuss monitoring the ecological situation in the transition states at the meeting. The chair may provide further updates and initiate actions.

WG-IDSST Agenda Item 3.5: Capacity building in transition countries

13. As per mandate, the group would like to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement of young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D. The group may like to discuss about capacity building in transition countries at the meeting. The chair may provide further updates and initiate actions.

WG-IDSST Agenda Item 4: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XIV, Item 1]

A. Members and their attendance at 2018 informal meeting

No.	Members	Member from (Year)	2018		Remarks
			Self	Contributed by mail	
1.	VPH Prof. Peter Kovalenko, Chairman (Ukraine)	2018		•	
2.	VPH Prof. Victor A. Dukhovny, Vice Chairman (Uzbekistan)	2018		•	
3.	Dr. Shukhrat Mukhamedjanov, Secretary (Uzbekistan)	2018		•	
4.	VPH Dr. Mohamed Wahba (Egypt)	2018		•	
5.	Dr. Rajinder Kumar Gupta - Direct Member (India)	2018		•	
6.	Dr. Katsuyuki Shimizu (Japan)	2018	•		
7.	Engr. Peter Yakube Manjuk (Nigeria)	2018	•		
8.	Mr. Razaquat Ali (Pakistan)	2018			
9.	Dr. Alexander Solovyev (Russia)	2018	#		
10.	Eng. W.B. Palugaswewa (Sri Lanka)	2018			
11.	Dr. Hassan Abu Bashir (Sudan)	2018			
12.	Mr. Baratov Rustam Okilovich (Tajikistan)	2018	#		
13.	Dr. Andrii Shatkovskiy (Ukraine)	2018			
14.	Secretary General ICID		#		
	Permanent Observers				
(i)	Prof. Daene C. McKinney (IWRA)				
(ii)	FAO Representative				
(iii)	World Bank representative				

Through representation

B. New nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1	Mr. Momir Vranes	Australia	Recommended as member, subject to his presence else provisional member
2	Dr. (Ms.) Ya-Wen Chueh	Chinese Taipei	Recommended as member, subject to her presence else provisional member

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022	Milestone for Year 2023
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)



**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON MANAGING WATER SCARCITY UNDER
CONFLICT DEMANDS (WG-MWSCD)**

05 September 2019, 09:00-11:00 hours (Session-I)

05 September 2019, 11:15-13:15 hours (Session-II)

Bali, Indonesia

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_mwscd.html

WG-MWSCD Agenda Item 1: Action Take Report by Chair¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon, Canada in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. However, no virtual meeting of the WG could be organized after Saskatoon meeting.
3. The Turkish National Committee of ICID (TUCID) has nominated Mr. Veysel Yildiz (Turkey) in place of Dr. Hakan Aksu for the membership of WG-MWSCD. Mr. Mohammad Sadegh Jafari (Iran), Dr. Graziano Ghinassi (Italy), Mr. Sudhakar (Direct Member) from India, Ms. Jianxin Ju (China) and Mr. Raquib Khan (Pakistan) as provisional members have not contributed to the activities of the group during the last two years. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. Chair 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-MWSCD Agenda Item 2: Road Map to ICID Vision 2030: Status of activities on Managing Water Scarcity under Conflict Demands

4. During the Saskatoon meeting, the group reviewed and discussed the activities of the WG based on the revised Road Map to ICID Vision 2030 by removing all references under Strategy B4: 'Encouraging Development of Drought Management Policies' since they refer to 'Drought' while the WG is not dealing with droughts but rather resolving conflicts due to permanent water scarcity. The updated milestones schedule for the 'Road Map to ICID Vision 2030' of the WG as referred in **Annex 2**. WG will deliberate on actions to be taken to achieve various milestones as per road map. Chair will provide further updates at the meeting.

WG-MWSCD Agenda Item 3: Updating Multilingual Technical Dictionary (MTD)

5. During the Saskatoon meeting, the group noted that Dr. Takanori Nagano (Japan), represented WG on TF-MTD and briefed the members on the process of updation of MTD. Further, WG requested the members to review the MTD term related to the mandate of the WG, including providing picture, links and videos related to respective term (s) for inclusion in MTD. Dr. Nagano / WG Chair will further update on the matter during the WG meeting.

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

WG-MWSCD Agenda Item 4: Internal Workshop on ‘Managing on the National Level, Water Scarcity Resulting from Conflicting Demands’

6. This year, the Working Group on Managing Water Scarcity under Conflict Demands (WG-MWSCD) is organising an Internal Workshop on “Managing on the National Level, Water Scarcity Resulting from Conflicting Demands” during the 70th IEC meeting in September 2019 at Bali, Indonesia. The announcement/call for papers of this workshop has been circulated to NCs / members of the WG for contribution of the papers and their active participation in the workshop has been requested. In response, National Committees of Philippines and Turkey have shared their paper to the WG Chair with a copy to ICID Central Office. The Chairman may apprise the WG members.

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

WG-MWSCD Agenda Item 5.1: Website of the WG

7. During Saskatoon meeting, it was noted that Dr. Jaepil Cho (Korea) updated the WG website to reflect the name of the members of WG-MWSCD. The website of WG-MWSCD http://www.icid.org/wg_mwscd.html is fully updated with new membership list, agenda, minutes etc. In December 2018, the WG requested the members to provide interesting article (s), papers, presentations, documents related to the mandate of the WG and share it to WG Chair Dr. Franklin E. Dimick and Dr. Jaepil Choi/ICID CO for uploading on the ICID website for wider dissemination. WG Chair / Dr. Jaepil Cho will provide further update in the matter during WG meeting.

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

8. During the last meeting, there was no plan for a Webinar / Web-based seminar by the working group. Since webinar provide a good platform to share vast knowledge available with ICID fraternity among members of the NCs, WG may consider use of this platform for exchange knowledge and information with other members. Accordingly, 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 / Web-based seminars along with identifying the relevant professionals / experts for conducting the webinars in 2019.

WG-MWSCD Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Franklin E. Dimick (USA), Chairman	2017	•		•		
2.	Mr. V.C. Ballard (USA), Vice-Chairman	2017	•		•		
3.	Dr. Jaepil Cho (Korea), Secretary	2017	•				
4.	Mr. Mohammad Sadegh Jafari (Iran),	2017					No contribution during last two years. Recommended for discontinuation.
5.	VPH Ragab Ragab (UK)	2017	•		•		
6.	Dr. Graziano Ghinassi (Italy)	2017					No contribution during last two years. Recommended for discontinuation.
7.	Dr. Hakan Aksu (Turkey)	2017	•				
8.	Dr. Takanori Nagano (Japan)	2017	•		#		
9.	Mr. Sudhakar (Direct Member), JISL	2017					No contribution during last two years. Recommended for discontinuation.
10.	Ms. Jianxin Ju (China)	2016					Provisional Member (2016). No contribution.
11.	Mr. Raquib Khan (Pakistan)	2017					Provisional Member (2017). No contribution.
12.	Mr Amali Abraham Amali (Nigeria)	2018	•				
13.	Dr. Jan Ming-Young (Chinese Taipei)	2018	•				
14.	Dr. Hesham Mostafa Mohammed Ali (Egypt)	2018	•				Provisional Member (2018)
15.	Secretary General, ICID				#		



Through representation

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	Milestone for Year 2022
Goal B: Be a catalyst for change in policies and practices								
Strategy B2 : Promoting Risk Management	Encourage entities to reduce risks of water scarcity by planning for competing demands Look for existing indices related to water scarcity	Increased water reliability; Increased understanding of consequences of water scarcity / Links to articles & papers related to water scarcity				Final review article summarizing country case studies related to addressing water scarcity		
Strategy B4 : Encouraging Development of Drought Management Policies	4.1 Advocating role of agricultural drainage under drought	Advocacy material			Evaluate National /international level country papers	Evaluate National papers on area/ basin level country papers	Evaluate National papers on local level country papers	
	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	Complete final review paper on Final review document
Strategy B7: Advocate for Maintaining Balance between Development and Environment	7.1 Compile best practices in irrigation and drainage in the world on managing water caused by competing demands	Report	First meeting of WG	Host workshop at ICID Canada	Prepare summary report on ICID Canada workshop	Final review article summarizing country case studies related to addressing water scarcity/ Conduct an international workshop in Australia for the WG (include appropriate data from workshop in final technical paper)		



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

05 September 2019: 09:00-11:00 hours (Session-I)
05 September 2019: 11:15-13:15 hours (Session-II)
Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2017

Extended the completion of the Mandate: 2023

Mandate : (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; and (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; and (f) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

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

WG-SDTA Agenda Item 1: Action Taken Report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the Working Group at its last meeting held at Saskatoon, Canada in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. In response, the Working Group organized its WebEx meeting in January 2019.
3. 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-SDTA Agenda Item 1.1: A brief report of Online/WebEx Meeting of the Group, 30 January 2019

4. The first WebEx meeting (1/2019) of the WG-SDTA was organized on 30 January 2019. Dr. Ruey-Chy Kao chaired the meeting which was attended by Ir. Henk P. Ritzema (The Netherlands), Vice-Chair; Ir. Hj. Nor Hisham Bin Mohd Ghazali (Malaysia), Secretary; Dr. (Ms.) Hsiao-Weng Wang (Chinese Taipei); Prof. Budi Sasntoso Wignyosukarto (Indonesia); Dr. Jeongryeol Jang (Korea); Dr. Ikuo Yoshinaga (Japan); Mr. Paavan Kumar Reddy (India) as Young Professional; and Dr. Vijay K. Labhsetwar, Ex-Director, ICID Central Office.
5. At the outset, Chair Dr. Rey-Chy Kao welcomed all the members. The members then discussed the new mandate of the group. WG further discussed the activities of WG-SDTA to achieve the Action Plan 2030 (Road Map to ICID Vision 2030), workshop to be held at Bali, Indonesia (WIF3 2019); Side Event on Integrated Development of Tidal Areas (2019), Short Course / Training Workshop on SDTA (2019), Web-based seminars and e-Discussions (2019); process of updating the Multilingual Technical Dictionary (MTD) and timeline for the WG Activities in 2019. As a new member Dr. Ikuo Yoshinaga (Japan) has agreed to undertake the MTD terms related to SDTA. The Members unanimously agreed to have regular meetings from time-to-time to discuss important emerging issues.

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

WG-SDTA Agenda Item 2: ICID Action Plan 2030: Activities on Sustainable Development of Tidal Areas

6. At Saskatoon meeting (2018), the WG populated the Action Plan 2030 (Road Map to ICID Vision 2030) based on the new mandate (refer **Annex 2**). The WG plans to organise the international workshop, WebEx meeting, Webinar and e-Discussion on Sustainable Development of Tidal Areas.

WG-SDTA Agenda Item 3: Upcoming WG Events

WG-SDTA Agenda Item 3.1: International Workshop on ‘Integrated Development of Tidal Areas – An Exchange of Expertise from Basin Perspective’, September 2019 at Bali, Indonesia

7. As agreed during the Saskatoon meeting, WG organized an International Workshop on ‘Integrated Development of Tidal Areas – An Exchange of Expertise from Basin Perspective’ on 01 September 2019 at Bali, Indonesia. The main objectives of the workshop were (1) Furthering the understanding of conservation, management, and sustainable use of tidal areas throughout the world from basin perspective; and (2) Enhancing dialogues and partnerships among researchers, practitioners, managers, and policy-makers, with the overall goal of improving sustainable management of tidal areas. ICID CO has circulated the ‘Call for Papers’ for this workshop to NCs/Members of the Group as well as all stakeholders of the ICID. A total of 13 abstracts were received for the workshop. The Chair may provide feedback from the workshop.

WG-SDTA Agenda Item 3.2: Short Course titled ‘Tidal Prediction and Typhoon Wave Model’ in December 2019 at Taiwan

8. At Saskatoon meeting (2018), the WG decided to organise a Short Course titled ‘Tidal Prediction and Typhoon Wave Model’ in December 2019 in Taiwan after the Third World Irrigation Forum (WIF3). ICID CO requested WG Chair Dr. Rey-Chy Kao to prepare a ‘Background Note’ along with a draft programme such that it can be discussed and firmed up during the meeting at Bali. The Chair may apprise the members during the meeting.

WG-SDTA Agenda Item 3.3: Side Event on ‘Global challenges of land subsidence in tidal areas and the integrated solutions during WIF3

9. During the Saskatoon meeting (2018), the WG decided to organise a Side Event on ‘Global challenges of land subsidence in Model’ during ICID events. In this regard, ICID CO shared the ‘Expression of Interest’ of the Side Event. The Chair may apprise the members on further updates during the meeting.

WG-SDTA Agenda Item 3.4: Web-based seminars and e-Discussions (2019)

10. During the Saskatoon meeting (2018), the WG decided to organise a web-based seminar on ‘Drainage Capacity and Flood Disaster in Tidal Areas under a Variable and Changing Climate’ and e-Discussion on ‘Integration of Drainage tail, Land subsidence, Ground water and management in Tidal Areas’ during the year. Further, ICID CO requested WG Chair to share background note for each and Speaker for Webinar and Lead person for e-Discussion. The Chair may apprise the members on further updates during the meeting.

WG-SDTA Agenda Item 4: Ground Water and the Land Subsidence on the Coastal Areas

11. The Group discussed the issues related with ‘Ground water and the land subsidence on the coastal areas’ during the WG meeting in August 2018 at Saskatoon, Canada, which have been included in the Road Map to ICID Vision 2020. Further, ICID CO requested WG Chair to identify a lead person to take further course of actions under this item. The Chair may apprise the members on further updates during the meeting.

WG-SDTA Agenda Item 5: Dissemination of activities of WG

12. During Saskatoon meeting (2018), the WG noted that the website of the WG <http://wg-sdta.icidonline.org> was updated with new membership list, agenda, minutes, paper presentations, publications etc. It was noted that the members of the WG agreed to provide at least one-page of materials / articles / papers / presentations / reports. Further, WG Chair requested the members of the WG to share information, knowledge & experiences and provide papers, presentations, articles, reports etc. related to scope of the WG to ICID CO for uploading on the WG website for wider dissemination and knowledge enrichment. Accordingly, the ICID CO has followed-up with the members and requested to provide the materials (papers, articles and documents) related to the mandate of the group. In response, Dr. Yoshinaga Iku (Japan) contributed paper on “Lowlands-related agricultural policies and research output in Japan”. WG members may deliberate on evolving mechanism for sharing of information on regular basis.

WG-SDTA Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

13. At the WG meeting held in August 2018, the group discussed the updation of the MTD and nominated Dr. Iku Yoshinaga (Japan) in place of Prof. Hajime Tanji as a nodal person on behalf of WG to undertake the task of reviewing and updating the terms of MTD. In December 2018, ICID CO requested Dr. Iku Yoshinaga to take a lead in the activity of updating Multilingual Technical Dictionary (MTD). Dr. Iku Yoshinaga and WG Chair may like to update the members with the latest status in the matter.

WG-SDTA Agenda Item 7: Cooperation between Institutions from Taiwan and Korea

14. At Saskatoon, it was noted that the Rural Research Institute (RRI) of Korea Rural Community Corporation (KRC), Republic of Korea and Tainan Hydraulic Laboratory (THL) of National Cheng Kung University (NCKU) have MoU for organizing activities thereby sharing knowledge and experience. The Chair may apprise the members during the meeting.

WG-SDTA Agenda Item 8: Any other business

15. During the WG meeting, it was noted that Dr. Jeongryeol Jang (Korea), member of the WG, announced that the Rural Research Institute (RRI) hosted the International Conference together with the Opening Ceremony of High-Center held on 22 November 2018 at Ansan City, Korea. As a follow-up, ICID CO has requested Dr. Jeongryeol Jang to share the feedback/outcome of the Conference. Dr. Jeongryeol Jang may provide the feedback/outcome of the Conference at the WG meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Members and their attendance at 2017 and 2018 Meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Ruey-Chy Kao (Chinese Taipei), Chairman	2017	•		•		
2.	Ir. Henk P. Ritzema (Netherlands), Vice-Chair	2017	•		•		
3.	Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia), Secretary	2017	•		•		
4.	Dr. (Ms) Hsiao-Weng Wang (Chinese Taipei)	2017			#		Young Professional
5.	Prof. Budi Santoso Wignyosukarto (Indonesia)	2017	•				
6.	Prof. Zhang Zhanyu (China)	2017	•				
7.	Dr. Jeongryeol Jang (Korea)	2017	•		•		
8.	Mr. Anuj Kanwal (India)	2017			•		
9.	Mr. Paavan Kumar Reddy (India)	2017	•				Young Professional
10.	Eng. Elaraby Mohamed Gomas Elkashawy (Egypt)	2018	-	-			Provisional Member (2018)
11.	Prof. Dr. Hossam Refaat (Egypt)	2018	-	-			Provisional Member (2018)
12.	Dr. Iku Yoshinaga (Japan)	2018	-	-	•		
13.	Dr. Vijay K. Labhsetwar, ICID Central Office	2018	-	-	•		
14.	Dr. Surat Thanusin (Thailand)	2018	-	-	•		
15.	Secretary General, ICID				#		

¹ Through representation



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

	Activity	Outcomes /Outputs	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	Site tests demons-tration: Hardware construction and software tests	Site tests demons-tration: Hardware, software and system control integrating process	Site tests plan: Workshop observation	Exami-nation Plan results & improve-ment	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
	1.10 Sustainable drainage management experience exchange	Internet of Things Water industry workshop					
Strategy C4 : Compile, Collate and Share Knowledge and Experiences	4.26 Special Issue of ICID Journal on SDTA	Special issue of IRD	Setup Review Committee for selected papers based on the workshops	Submission of final drafts		Publishing Special Issue of IRD	
Strategy C5 : Dissemination of Data, Information, Tools, Knowledge and Know How	5.8 Develop and maintain the ICID web site as a knowledge hub	On-line					
Goal E: Encourage research and support development of tools to extend innovation into field practices							
Strategy E3 : Develop and Promoting Tools for AWM	3.2 The application for output of development tools from academic institutions		Prepare tidal prediction and typhoon wave model				
Strategy F3: Technical Training of Young Professionals from Member Countries	3.7 workshop /Training Workshop on Sustainable Development of Tidal Areas	Technical transfer and internet information short course /training workshop		Short Course/Training Workshop on SDTA		Short Course / Training Workshop on SDTA	Short Course / Training Workshop on SDTA
	3.8 To launch e-Discussion on Sustainable Development	E-discussion		e-Discussion on 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)



APPENDIX XVII [PCTA Item 8.1]

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON CAPACITY DEVELOPMENT, TRAINING AND EDUCATION (WG-CDTE)**

05 September 2019, 14:00-16.00 hours (Session I)
05 September 2019, 16.15-18.15 hours (Session II)
Bali, Indonesia

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

Mandate: (i) Coordinate and guide the knowledge management activities of the Commission and the capacity development activities by various WGs; (ii) Compile the status of training and educational programmes offered in different regions; (iii) Compile the Educational Programs being offered in irrigation and drainage in different regions; (iv) Identify the training and education requirements, and identify gaps in available training programs, explore the feasibility of developing e-learning program and prepare guidelines for their development to support education and training programmes; (v) Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; (vi) Make available various tools required for sustainable development; (vii) Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and (viii) Facilitate the process of balancing education and training requirements, and provision of training services.

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

WG-CDTE Agenda Item 1: Action Taken Report by Chair¹

1. The Chair will present report on the actions taken on the decisions and proposals of the working group from its last meeting held at Saskatoon, Canada in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No WebEx meeting of the WG could be arranged during the year.
3. No new nominations have been received from the NCs during the year. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be processed suitably after the meeting. The Chair may provide further updates at the meeting.

SUPP: The ICID-Chinese Taipei Committee (CTCID) vide email of 24 July 2019 has nominated Dr. Wen-Pin Shu (Chinese Taipei) as member in the WG-CDTE.

The Malaysian National Committee of ICID (MANCID) vide email of 7 August 2019 has nominated Dato' Ir. Haji Hanapi bin Mohamad Noor (Malaysia) for the membership of WG-CDTE.

WG-CDTE Agenda Item 2: Road Map to ICID Vision 2030 – Status of Activities on capacity development, training and education

4. During Saskatoon meeting (2018), the WG decided to review the Action Plan of Road Map to ICID Vision 2030 based on the mandate by updating the activities on capacity development, training and education and education issues (refer **Annex 2**) which could not be discussed due to absence of the majority of the members of the group. In this regard, the WG decided to review this item in the next meeting of the WG in September 2019 at Bali, Indonesia.
5. As a follow-up, the ICID CO has requested WG Chair VPH Prof. Abdelhafid Debbarh to review the progress of various issues indicated in the action plan along with other relevant issues related to the mandate of the WG. The Chair will provide further updates at the meeting and WG members will deliberate on evolving monitoring mechanism of achieving milestones in the action plan.

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

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)

6. During the Saskatoon meeting (2018), the WG apprised on the latest status of Technical Support Programme (TSP) activities. It was informed that Technical Support Unit (TSU) was established in 2016 with the overall objective to “undertake capacity development activities in the field of agricultural water management (AWM) in support of rural development” for the national stakeholders which is available at <<https://www.icid.org/tsu.html>>

7. In accordance with Resolution IEC-2/69, 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 TSP through Technical Support Unit (TSU). National Committees were also requested to volunteer and nominate suitable expert/ professional both for long-term (initially 6 months) as well as short-term (upto 10 days at a time) to support the activities of TSP. Korean Rural Community Corporation (KRC) and Korean National Committee of ICID (KCID) have indicated interest and full support in the activities of the technical support program and supported TSP activities through services of a long-term expert in the ICID Central Office. WG appreciated the KRC and KCID for their support to TSP. The WG also appreciated Iranian National Committee on Irrigation and Drainage (IRNCID) for supporting capacity development program i.e. ‘Workshop on ‘National Water Accounting’ through IRPID in December 2018 under TSP.

8. ICID’s 69th IEC meeting held on 17 August 2018 at Saskatoon, Saskatchewan, Canada, approved (*Resolution IEC-2/69*), a comprehensive Technical Support Programme (TSP) to be implemented by the TSU, giving details of the aims and scope, consultation of Core Group, mechanism to implementation TSP along with Terms of Reference (ToR) for Engaging Experts for TSU, which was shared with the NCs in January 2019. WG may like to discuss nomination of short term and long-term experts to implement TSP through TSU.

WG-CDTE Agenda Item 3.2: International Training Workshop on Water Accounting Programme, 23-26 February 2019 at Tehran, Iran

9. During the year, ICID supported under Technical Support Programme (TSP), an International Training Workshop on ‘Water Accounting – Concepts and Tools’ jointly organised by FAO, ICID and IRPID-IRN from 23-26 February 2019 at two cities of Tehran and Ahwaz (Khuzestan) in Islamic Republic of Iran. The workshop aimed to introduce concepts and tools to a wide range of audiences including high-level decision-makers, academics and professionals in the water, agriculture and environmental sectors, global experiences, international activities and state-of-the-art of knowledge on water accounting; discuss challenges in developing and implementing water accounting frameworks; highlight the need to apply water accounting frameworks for efficient water resources management at different geographical scales (from farm to catchment); and draw the attention of decision-makers at the national level to the use of new concepts and tools for better water resource managements. More than 370 participants were attended the training workshop.

10. During the workshop, several presentations were made by FAO and ICID representatives, which are available at <http://irpid-iran.org/>. ICID supported participation of Dr. Amgad Elmahdi (Australia) as a Resource Person, made a presentation on ‘Australian Water Reform and National Water Account’ during the workshop. While Dr. Pasquale Steduto and Ms. Domitille Vallee from FAO explained the main concept of water accounting that provides valuable information for water resource planning and management. All the participants filled in a feedback questionnaire to evaluate the training course that projected their increased awareness of water accounting concept and its application for water resources management and allocation. The outcome/feedback of the training workshop is available at https://www.icid.org/nup2019_3.pdf

11. Representative from IRNCID will provide further updates at the meeting.

WG-CDTE Agenda Item 3.3: International Young Professionals Training Program (YP-TP), 22-25 April 2019 at Seoul, South Korea

12. ICID in association with the Korean National Committee (KCID) and the Chinese National Committee (CNCID) organized a five-day International Young Professionals Training Programme on the theme “Climate Resilient Smart Irrigation Systems” from 22-26 April 2019 at the Rural Community International Education and Exchange Center (RC-IEEC) in Republic of South Korea. The International Young Programme (YP) training program was attended by 34 participants from 17 countries namely, Afghanistan, China, Egypt, India, Iran, Italy, Korea, Myanmar, Nigeria, Russia, South Africa, Sri Lanka, Sudan, Tajikistan, Ukraine, USA and Zambia, focused on building resilient irrigation systems around the world in the face of climate change, how these systems may be implemented in different biophysical environments

and the advanced technologies that are currently in practice. The Inaugural Session organized on 22 April 2019 began with a Welcome Address by Mr. Kim In Sik, Chairman, Korean National Committee on Irrigation and Drainage (KCID) and Chief Executive Officer, Korea Rural Community Corporation (KRC) who gave a brief introduction about ICID and its endeavor to promote capacity development program to attract young minds to agricultural water management sector by organizing training programs for YPs internationally. ICID President Felix B. Reinders (South Africa), in his keynote address, expressed his jubilation to welcome participants from different countries especially young professionals who are the experts/professionals in irrigation and drainage, Secretary General Er. A.B. Pandya gave an overview of the young professionals training program and an introductory presentation on the knowledge management portal, and Er. Harish K. Varma, Executive Director of ICID gave a brief presentation on ICID activities and various initiatives undertaken for capacity development of young professionals.

13. As part of the training, KCID conducted a survey with five questions to find the goals, vision and challenges in the agricultural sector from Young Professionals from around the world. The questions were discussed in detail during an interactive session steered by Dr. Marco Arcieri (Italy), Vice President, ICID and Secretary General ITAL-ICID on 24 April 2019. Besides, all the YPs provided a detailed write-up of their country profile on the current status of technology usage in the irrigation sector, prior to the training program. The training programme also included a one-day technical tour (25 April 2019) to nearby dams and irrigation systems to understand practical aspects of operational performance of irrigation systems in addition to classroom lectures and demonstrations. The training program was followed by an international expert consultation workshop on “Irrigation Technologies to Mitigate Climate Change” (26 April 2019) that provided an opportunity to the young professionals (YPs) to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. **KCID representative** will provide further updates at the meeting.

WG-CDTE Agenda Item 3.4: 1st African Young Water Professional’s Forum (Af-YWPF) in October 2018 in Cairo, Egypt and Establishment of AF-IYPeF

14. The Egyptian National Committee of ICID (ENCID) organized 1st African Young Water Professional’s Forum (Af-YWPF) during 1st Cairo Water Week (CWW1) from 14-18 October 2018 at Cairo, Egypt. The theme of the Forum was “Water Conservation for Sustainable Development”. VPH Dr. Mohamed Abd-MoneimWahba (Egypt), chaired the African Regional Working Group (AFRWG) of ICID, promoted and established the African Young Water Professionals Forum (Af-YWPF) with the objectives and mandate of the Forum. The Forum was supported by Ministry of Water Resources and Irrigation of Egypt (MWRI), International Commission on Irrigation and Drainage (ICID), Korea Rural Community (KRC), International Water Management Institute (IWMI), Global Water Partnership-Mediterranean (GWP-MED), the Nile Basin Capacity Building Networks (NBCBN) as well as National Committees on Irrigation and Drainage of Morocco, Italy and South Africa. The main aim was to create awareness among Young Professional’s on water resources, irrigation and drainage challenges and capacity development to facilitate sharing of experiences between the Young Professional’s (YP’s) in water related fields. More than 300 members were present during the Forum.

15. A three-day Training Workshop of the Forum brought together 24 African future water leaders from 12 African countries, including Sudan, Morocco, Ethiopia, Kenya, Mauritania, South Africa, Uganda, Nigeria, Malawi, Tanzania, Ghana and Egypt. The workshop included opening and closing sessions, four training workshops and four keynotes speeches given by international experts, with hopes to challenge and inspire young water professionals within the continent about leadership in the research and innovative space and motivate their action.

16. The training workshop exposed participants to important issues such as Water Food Energy Nexus, value engineering, current trends, technologies and research gaps in water resources, irrigation and drainage as well as simulation modelling in irrigation and drainage. Discussions ranged from climate change impact and vulnerability assessments in the Arab Region to using solar energy in irrigation. It was a fantastic opportunity for YP’s to showcase their knowledge and broaden their perspective to sustainable water management in an international setting, learn from shared experiences to broaden their minds and thinking of new and experienced water professionals. This gave them the opportunity to reflect on the skills and attributes they can bring to leadership in their different organizations, encourage innovative thinking and motivate societal-driven research. It also provided an exceptional networking platform for YPs to mingle with themselves and establish meaningful connections to promote their innovations among organizations and future engagement in research and development and other work-related matters. VPH Dr. Mohamed Wahba (Egypt) will provide further updates at the meeting.

WG-CDTE Agenda Item 3.5: 5th African Regional Conference on Irrigation and Drainage, 16-19 March 2020, Marrakesh, Morocco

17. The Moroccan National Committee of ICID (ANAFIDE) will be organizing the 5th African Regional Conference on Irrigation and Drainage (ARCID) from 16-19 March 2020 in Marrakesh, Morocco to

exchange experiences about lessons drawn, innovative technologies and irrigation development strategies to reduce deleterious impacts of climate change on African agriculture. The 5th ARC will focus on the theme “Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa” considering the need to address the aforementioned challenges to improve resilience in agriculture productivity for ensuring food security for the present and future generations in the African region. The following four sub-themes will be covered under the main theme: (i) Strategies to cope with water scarcity; (ii) Valorization of irrigation water; (iii) Management of irrigation schemes at different scales; and (iv) Drainage and ecological issues. The conference will bring together a wide range of participants, including policy decision makers, professionals, academicians and researchers from Africa and beyond working in irrigation and drainage or closely related fields and will provide an opportunity to revisit Moroccan achievements in modernized irrigated agriculture and appreciate historical attractive places in the country. During Mexico meeting, it was agreed that a training programme for YP’s from African region will also be organized preceding 5AfRC.WG Chair

Dr. Abdelhafid DEBBARH and representative of ANAFIDE will provide further updates at the meeting.

WG-CDTE Agenda Item 4: Knowledge Management Strategy (KMS)

18. The need for an integrated approach of Knowledge Management within ICID, being a knowledge based network, and particularly in view of the adoption of the ‘Road Map for ICID Vision 2030’ has already been acknowledged. Accordingly, a “Concept note on the Knowledge Management Strategy (KMS)” was presented at Mexico City meeting of the Committee in 2017. The Committee broadly agreed to the approach adopted in the draft strategy presented and desired that the draft strategy may be firmed up in consultation with various stakeholders so as to be presented at Saskatoon in 2018. Following Committee’s recommendation, a revised version of KMS (named ICID Knowledge Portal) was presented last year at Saskatoon in 2018, and the Committee recommended that KMS as presented may be followed up and launched in about a year’s timeline, by involving YPs for content generation and management.

19. With an objective to provide more support to the WGs to be able to contribute to the implementation of the strategy, the Central Office has a dedicated team for KM activities.

20. Based on an extensive keyword analysis of ICID publications since its inception, proceedings of two recent Congresses, i.e. 22nd and 23rd ICID Congresses in 2014 and 2017, and two recent World Irrigation Forums (WIFs), WIF1 (2013) and WIF2 (2016); a master keyword list has been prepared to make the search in Knowledge Portal more intuitive and efficient. The Knowledge Portal prototype is in testing phase and will be shared with ICID stakeholders for their feedback and suggestions.

21. Any further progress will be presented at the Committee’s meeting.

WG-CDTE Agenda Item 4.1: Dissemination of Knowledge

22. During the Saskatoon meeting, the group noted that the website of the WG-CDTE http://www.icid.org/wg_cdte.html was updated with new membership list, agenda, minutes, presentations, papers etc. In January 2019, the ICID CO has followed-up with the members and 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

23. At Saskatoon meeting, the WG discussed about the organization of webinars to share vast knowledge available with ICID fraternity among members of the NCs with the support of WG experts. In January 2019, the ICID CO has followed-up with the members and requested to participate in the Webinar/Web-based seminar and also to suggest topics along with name of experts who can be consulted to deliver webinar. Response is awaited. WG will discuss the matter and provide list of topics along with name of the experts to deliver webinar. The updated Live recording of webinars organized by ICID so far is available at the ICID website http://www.icid.org/icid_webinar.html.

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

24. During the last meeting, the WG supported the idea of development of e-learning programmes as a part of capacity development mandate and agreed to make effort to gather information on existing e-learning models on subjects related to agricultural water management (AWM) as well as identify the gaps and compile inventory of national institutes and education and training centres through the WG members and the NCs. In January 2019, the ICID Central Office has followed-up with the members of the group to provide any information available with them on various e-learning modules and details of training institutes in their country directly to WG Chair Prof. Abdelhafid Debbarh, with a copy to ICID Central Office. WG may

like to discuss how the existing capacities in the NCs could be used to establish a regular e-learning programme in ICID.

WG-CDTE Agenda Item 5: Any other business



Annex 1 [Appendix XVII, Item 1]

A. Members and their attendance at 2017 and 2018 Meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. Dr. Abdelhafid DEBBARH (Morocco), Chairman	2015					
2.	Dr. Young D. Kim (Korea), Vice-Chairman	2015		# ¹			
3.	Mr. Mirza Asif Baig (Pakistan)	2016			•		Provisional Member. No contribution.
4.	Dr. Nader Heydari (Iran)	2016					Provisional Member. No contribution.
5.	Eng. Abu Obieda Babiker Ahmed Hassan (Sudan)	2016					Provisional Member. No contribution.
6.	Mr. Hasan Basri Yuksel (Turkey)	2016	•		#		Provisional Member. Contributed his paper in WG-IOA workshop in 2018
7.	Ms. Dahile Abdulquader Abdulhammed (YP) [Iraq]	2016					Provisional Member. No contribution.
8.	Mr. Raad F. Amein Taha (Iraq)	2016					Provisional Member. No contribution.
9.	VPH Dr. Mohamed (Egypt)	2018					Provisional Member.
10.	Dr. Shinji Fukuda (Japan)	2018	•				Provisional Member.
11.	Dr. Vijay K. Labhsetwar, ICID Central Office	2018	#				Provisional Member.
12.	Secretary General, ICID			#		•	

1. *Through representation*

S.No.	Name	Country	Remarks
01.	Dr. Wen-Pin Shu	Chinese Taipei	Recommended as member, subject to his presence else provisional member
02.	Dato' Ir. Haji Hanapi bin Mohamad Noor	Malaysia	Recommended as member, subject to his presence else provisional member



Annex 2 (Appendix XVII, Item 2)

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 (development of knowledge portal)	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	Update 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	Update 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				International training for YPs in cooperation with KRC/KCID at RC-IEEC, KRC, Korea (April 2019)	YP training programme prior to 5 th AfRC on I&D 16-18 March 2020 at Rabat, Morocco	
	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	Update of information	Update of information	Update of information	Update 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)



**AGENDA FOR THE 2ND MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND
FLOOD CONTROL (WG-HIST)**

05 September 2019, 14:00-16:00 hours (Session I)

05 September 2019, 16:15-18:15 hours (Session II)

Bali, Indonesia

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2017

Completion of the Mandate: 2023

Mandate: (a) To motivate ICID National Committees in various countries to set up their National Working Groups on History; (b) To provide guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, and flood management; (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic (agricultural, political, socio-economic, climatologically and geographical, aspects) for proper understanding of the technological developments on the subject; (d) To organize seminars at ICID Congresses to enhance awareness of Water history; (e) To prepare a paper on “Historical Water Sustainability” for publication in *Irrigation and Drainage (IRD) Journal*; (f) To finalize a book on “Historical Water Sustainability”; and (g) To encourage member countries to produce documentaries on Water History.

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

WG-HIST Agenda Item 1: Action taken report by the Chair¹

1. The Chair will present the report on the action taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the ‘Expression of Interest’ to initiate the processes.

3. The Korean National Committee (KCID) has nominated Mr Ju-Chang Kim for the membership of the WG. Prof. Dr. Abdul Sattar Shakir (Pakistan), Prof. Jaekyoung Noh (Republic of Korea), Eng. S.P.C. Sugeeshwara (Sri Lanka), and Mr. Charles L Abernethy (UK) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

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

4. During Saskatoon meeting, the group discussed and reviewed the activities as part of the Road Map to ICID Vision 2030 (refer **Annex 2**). As per discussion at Saskatoon meeting, the group is organizing an International Workshop on ‘Historical Water Sustainability’ at Bali in September 2019.

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

5. During Saskatoon meeting, the group thanked the efforts and assistance provided by PH Prof. Bart Schultz (Netherlands) for formatting the book. However, it was suggested that the concluding chapter be prepared by Dr. Kamran Emami as the Chair of the WG. The book has the following chapters:

- (a). Water History and Sustainability in Indonesia – A. Hafied A. Gany
- (b). The Grand Canal (later the Cavour Canal) – Antonio Linoli
- (c). Sustainability of Chinese Civilization and Water Conservation

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

- (d). Creative Sustainability in the context of history – Kamran Emami
- (e). History of Irrigation in Thailand and its Sustainability
- (f). Historical Water Sustainability: Lessons to Learn from Japanese Experiences – N. Hachō and Yutaka Matsuno
- (g). Sustainable Development and Water Resources – Ali Bagheri and Peder Hjorth
- (h). Sustainable Irrigation in South Africa: Evidence from History – Lani van Vuuren
- (i). The roles of management in sustainability of irrigation systems – Charles L Abernethy
- (j). The History of Irrigation Sustainability in Malaysia – MANCID
- (k). The Beemster, A drained lake that already proved to be sustainable for more than 400 years – Bart Schultz
- (l). Qanats of Iran: Sustainable Water Supply Systems – Ali Asghar Semsar Yazdi and Majid Labbaf Khaneiki

6. Chair will provide further updates about the finalization of the book at the meeting.

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

WG-HIST Agenda Item 4.1. Website of the group

7. After discussion, the group suggested that all the presentations made in the workshop be uploaded on the website of the WG. Accordingly, the ICID CO has followed-up with the members and requested to provide papers, articles and documents related to the mandate of the group. However, response is awaited. WG will discuss and evolve better mechanisms for sharing information and its updating on the WG web site.

WG-HIST Agenda Item 4.2. Webinar/ Web based seminar

8. The Chair proposed that WG will concentrate in finalizing the book on Historical Water Sustainability and after that WG would concentrate on organizing webinar. Accordingly, the ICID CO has followed-up with the members and requested them to suggest topics for organization of webinars. Chair will provide further updates at the meeting.

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

9. A Task Team is set up every year to select historical drainage/ drainage structures as received from various National Committees (NCs) to give them recognition on the lines of World Heritage Sites (as recognized by UNESCO). Nominations are invited from ICID National Committees for selection of “World Heritage Irrigation Structures” (WHIS) 2019 that includes both old operational irrigation structures as well as those having an archival value.

10. This year, 14 WHIS schemes have been registered viz. 4 from China, 2 from India, 1 from Italy, 4 from Japan and 3 from Sri Lanka. Chair encouraged members to take initiative by encouraging nominations for WHIS and observed that WHIS is providing opportunity to publicize ICID name and encourage general public to participate in managing such systems, taking example of Japanese experience.

11. Considering the slow progress of ICID discussions with World Water Council (WWC) for jointly operating the World Water Systems Heritage (WSH) program, it is being contemplated that other international partners, such as International Commission on Monuments and Sites (ICOMOS), should also be explored. ICOMOS is also actively promoting "Water As Heritage" and in a recent international conference on this theme ICID initiated a dialogue with ICOMOS. Further progress will be regularly reported to the group.

WG-HIST Agenda Item 6: International Workshop on Historical Water Sustainability, September 2019, Bali

12. As agreed at Saskatoon meeting, the Working Group is organizing an International Workshop on “Historical Water Sustainability” on 1 September 2019 at Bali with the following sub-themes (i) Worldwide experiences on Water Sustainability, (ii) Case studies of sustainable historical water schemes, and (iii) Water Wisdom of the past and relevant case studies. The objectives of the workshop are - (a) to deepen the understanding of World Water Wisdom on sustainability; (b) to discuss different aspects of Historical water sustainability; (c) to present the key conclusions of publication of WG-HIST on Historical Water Sustainability; (d) to present a summary of Recognition of World Heritage Irrigation Structures (WHIS) Scheme. In total, about ten abstracts have been received for the workshop. Chair will provide further updates at the meeting.

WG-HIST Agenda Item 7: Impact of climate events on ancient civilization

13. During Saskatoon meeting, Vice President Marco Arcieri (Italy) expressed his desire of publish document on the impact of climate events on ancient civilization. The group welcomed such initiative and the Chair recognized that it can be proposed as future WG activity after finalizing the book on Historical Water Sustainability.

14. Accordingly, the ICID Central Office has requested Vice President Marco to prepare one-page write up for its circulation to the members of the group for inviting papers from them on 'Impact of climate events on ancient civilization'. However, response is awaited.

WG-HIST Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XVIII, Item 1]

A. Members and their attendance at 2017 and 2018 meetings

No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Kamran Emami, Chairman (Iran)	2017	•		•		
2.	Mrs. Xuming Tan (China)	2017		•	•		
3.	Eng. Ahmed Awad Hag Abd-Elnabi (Egypt)	2017		•		•	
4.	VPH Dr. Laszlo Hayde (Hungary)	2017	•		•		
5.	VPH Dr. A. Hafied A. Gany (Indonesia)	2017				•	
6.	Mr. Antonio Linoli (Italy)	2017	# ²		#		
7.	Prof. Dr. N. Hatcho (Japan)	2017	•			•	
8.	Mr. Jong Myong, Kim (Korea, Rep. of)	2017	•				
9.	Dr. José Luis Martínez Ruiz (Mexico)	2017	•				
10.	Engr. Sirika Ahmad Abubakar (Nigeria)	2017	•		•		
11.	Prof. Dr. Abdul Sattar Shakir (Pakistan)	2017					No contribution during last two years. Recommended for discontinuation
12.	Prof. Jaekyoung Noh (Republic of Korea)	2017					No contribution during last two years. Recommended for discontinuation
13.	VPH Dr. Gerhard Backeberg (South Africa)	2017	•		•		
14.	Eng. S.P.C. Sugeeshwara (Sri Lanka)	2017					No contribution during last two years. Recommended for discontinuation
15.	VPH Chaiwat Prechawit (Thailand)	2017				•	
16.	Mr. Charles L. Abernethy (UK)	2017					No contribution during last two years. Recommended for discontinuation
17.	Dr. Ahmed Adam Ibrahim (Sudan)	2018					Provisional Member
18.	VPH Prof. Dr. Dia El Din Ahmed El Quosy (Egypt)	2018				•	
19.	Dr. Sinite Yu (Chinese Taipei)	2018			•		
20.	Secretary General, ICID						
Permanent Observers							
21.	Dr. Ir. M. Ertsen (IWHA)						
22.	Dr. Ing. Klaus Rottcher (Germany)					•	
23.	Dr. (Mrs.) B. Dolfing (The Netherlands)						

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1.	Mr Ju-Chang Kim	Korea, Rep. of	Recommended as member, subject to his presence else provisional member



² Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals	1.2 International conference/ workshop/ seminar on History	Workshop Proceedings	Workshop/ seminar on Historical Water Sustainability		Workshop/ seminar		
C3. Strategy: Promoting Regional Cooperation	3.10 International conference/ workshop/ seminar	Workshop Proceedings					
C4. Strategy: Compile, Collate and Share Knowledge and Experiences	4.5 Publication on Historical Water Sustainability	Publication	Finalize the publication on Historical Water Sustainability	Compile lessons learned from WHIS/ WSH		Compile lessons learned from WHIS/ WSH	
	4.6 World Historical Irrigation Structures (WHIS)	Register of WHIS	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 countries 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)



**AGENDA FOR THE 26TH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

05 September 2019, 14:00-16:00 hours (Session-I)

05 September 2019, 16:15-18:15 hours (Session-II)

Bali, Indonesia

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 2018 has been disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report will be presented at the beginning of the meeting and will be discussed during the meeting.

2. No new nominations have been received from NCs during the year. Chairman in consultation with Joint Editors of the Working Group 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 will be dealt suitably after the meeting.

SUPP: The ICID-Chinese Taipei Committee (CTCID) vide email of 24 July 2019 has nominated Dr. Ray-Shan Wu (Chinese Taipei) as member in the EB-JOUR.

The International Water Management Institute (IWMI) has desired to nominate Ir. Moshin Hafeez for the membership of EB-JOUR as Associate Editor, subject to receiving his nomination from IWMI.

EB-JOUR Agenda Item 1.1: Special Issues

3. Six new Special Issues may be expected during 2019-2021. These are:

- (a) A Sponsored Special Issue on 'New Developments on Irrigation in Africa' combined with the selected papers from the Regional European Conference in Montpellier (2015). This special issue is based on the results of a European Union supported project with several partners, especially IRSTEA (France) and Wageningen University (The Netherlands);
- (b) A Sponsored Special Issue by the Iranian National Committee (IRNCID) based on selected papers of the 13th International Drainage Workshop, Iran in March 2017. The papers for this special issue have been published online. However, the hard copy of the issue has not been published due to financial problems;
- (c) A Special Issue with invited papers related to the ICID Vision 2030 and Action Plan is being prepared. It will most probably be published in the first half of next year;
- (d) The Chinese National Committee is working on a sponsored Special Issue on '*New development on Irrigation and Drainage in China*';
- (e) The WG-SDTA will prepare a third sponsored Special Issue based on the papers presented during its meetings and workshops. To be published in 2021;
- (f) A special issue with selected papers of the Third World Irrigation Forum will be prepared by the Chairman in consultation with the contact persons of the various sessions. It will be published as a regular issue.

EB-JOUR Agenda Item 1.2: French resumé

4. The check of the French texts has already been transferred from Bernard Vincent to Severine Thomas. The work of check of the French resumes is now going on very well without delays.

EB-JOUR Agenda Item 1.3: Recognition to the reviewers

5. The Guest Editors and Reviewers of 2018 have been recognised in the First Issue of 2019. Since the end of last year, the Joint Editors and Associate Editors that handled the review process are mentioned at an appropriate place of the published paper.

EB-JOUR Agenda Item 1.4: Review process

6. The time for several steps in the review process has been reduced. However, for certain papers there are still significant delays before a final decision on publication can be taken. Regular checks by the chairman and the Joint Editors are being done to prevent this as much as possible. The rapid changes in the publishing world require that the time required for review be kept as short as possible.

7. The 'Ithenticatesoftware' to check submitted papers for overlaps with previous texts is very helpful and effective. All submitted papers are being checked with this software, before they are forwarded to the Associate Editors or reviewers, or directly declined for publication.

EB-JOUR Agenda Item 1.5: Best Paper Award 2019

8. In 2018, eighty-two papers were published in the five regular issues and the sponsored special issue by the Working Group on Sustainable Development of Tidal Areas. The Best Paper is selected by the Chairman in cooperation with the Joint and the Associate Editors of the Journal. The Best Paper Award in the form of a citation plaque along with a cash prize of either US\$ 500 or US\$ 800 in the form of Gift Books (Wiley Publications), which the awardees will have an option to choose. The winner of the 'Best Paper Award 2019' will be announced during the IEC Plenary Meeting on 4 September 2019.

EB-JOUR Agenda Item 1.6: Membership

9. Bryan Thoreson, Jih-Chi Tan and Kendall DeJonge have informed the Chairman that they like to step down as 'Associate Editors'. Because of this there is a need for some more new Associate Editors and Members of the Editorial Board.

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

10. The Action Points of the Editorial Board to the Draft ICID Action Plan 2030 were presented and discussed during the Chiang Mai meeting (2016). One of the action points was a proposal to devote one issue of Irrigation and Drainage (IRD) to the draft ICID Action Plan 2030 with invited papers from high level domain experts. The draft contents of the proposed Special Issue were presented and discussed during the meeting in Mexico City (2017). Since then the envisaged authors have been contacted and the papers for the issue are being prepared. The status will be reviewed during the meeting. As far as the other action points are concerned, in general, the progress has been better than envisaged. The progress with respect to the other activities of EB-JOUR in the framework of the ICID Action Plan 2030 has been summarized in **Annex 2**. Chairman of the EB-JOUR will present the updates during the meeting.

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

11. This year is the first year under the new Agreement (2019-2025) with M/s. Wiley-Blackwell, UK. Under this new Agreement, the 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 2019 to the National Committees and Work body members and Officers Bearers has been prepared by Central Office and sent 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. In addition to the copies for the National Committee, Work Body members and Office Bearers, all members of the ICID National Committees are entitled to receive online access to *Irrigation and Drainage*. In order to expand the accessibility (online only) to ICID Journal on Irrigation and Drainage, M/s. Wiley has created a new category – 'Individual member of the National Committees' for providing free copies of IRD to all individual member of the NCs.

12. The number of subscriptions for 2019 are: **1325** online only, **122** online + print and **82** print only, which makes overall total as **1529**. 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, 729 extra copies have been subscribed under the new Agreement beyond the standard limit of 800 copies.

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

13. The publisher is constantly keeping up with the new developments. This implies, for example:

- (a) better information related to the submission of papers;
- (b) possibility to make a video clip to promote a submitted paper;
- (c) better information at the Wiley web page of the Journal to handle the review process, to record the progress on the submission of papers and to record the downloading of papers by readers;
- (d) webinar presentation by Pres. Felix Reinders on *Trends in sustainable agriculture* for science reporters;

EB-JOUR Agenda Item 5: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

A. Members and their attendance at 2017 and 2018 Meetings

Sl. No	Members	Member From	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	President Hon. Dr. Bart Schultz, Chairman (The Netherlands)	2002	•	•	•	•	
2.	Prof. Dr. Kristoph-Dietrich Kinzli P.E., Joint Editor (2012)	2010	•	•			
3.	Dr. Li Jiusheng (China), Joint Editor (2015)	2012		•	•	•	
4.	VPH Prof. Hector Malano, Editor Emeritus (2015) (Australia)	2001		•	•	•	
5.	Dr. Bryan P. Thoreson, Associate Editor (USA)	2001		•	•	•	
6.	Mr. Bernard Vincent, Associate Editor (France)	2010		•	•	•	
7.	Prof. Daniele de Wrachien, Associate Editor (Italy)	2001		•	•	•	
8.	Dr. Nick C. Van de Giesen, Associate Editor (2013) (The Netherlands)	2007	•	•	•	•	
9.	Dr. Biju George (Australia), Associate Editor (2014)	2013		•	•	•	
10.	Prof. Waldo Ojeda-Bustamante Associate Editor (2014)	2014		•	•	•	
11.	Prof. Kendall C. DeJonge (USA) Associate Editor (2014)	2014	•	•	•	•	
12.	Prof. Saleh Taghvaeian (USA) Associate Editor (2014)	2014		•	•	•	
13.	Prof. Yih Chi Tan (Chinese Taipei) Associate Editor (2013)	2006		•	•	•	
14.	Dr. Henk Ritzema (The Netherlands), Associate Editor (2015)	2013		•	•	•	
15.	Prof. Graziano Ghinassi (Italy), Associate Editor	2015		•	•	•	
16.	VPH Laszlo Hayde (Hungary), Associate Editor	2015	•	•	•	•	
17.	VPH Larry D. Stephens (USA)	2001	•	•	•	•	
18.	Dr. Muhammad Latif (Pakistan)	2002	•	•	•	•	
19.	Dr. Yohei Sato (Japan)	2009		•	•	•	
20.	Prof. Ir. Dr. Mohd Amin bin MohdSoom (Malaysia)	2009	•	•	•	•	
21.	Dr. Marcel Kuper, (France)	2009		•	•	•	
22.	Dr. Mohammad Javad Monem (Iran)	2011		•	•	•	
23.	Prof. Dr.-Ing. Klaus Rottcher (Germany)	2011		•	•	•	
24.	Prof. dr. JoongDae, Choi (Korea)	2013		•	•	•	
25.	Mr. Brent Paterson (Canada)	2013		•	•	•	
26.	Ir. Simon Howarth (UK)	2014		•			
27.	Dr. Poolad Karimi (Iran)	2016		•	•	•	
28.	Prof. Jin-Young Choi (Korea)	2017		•	•	•	
29.	Dr. Severine Tomas (France)	2017	•	•	•	•	
30.	Dr. Takanori Nagano (Japan)	2018	-	-	•	•	
31.	Dr. Luis Garcia (USA)	2018	-	-	•	•	
32.	VPH Prof. Dr. Dia El Din Ahmed El Quosy (Egypt)	2018	-	-	•	•	
33.	Dr. Vijay Labhsetwar (ICID Central Office)	2006	•	•	•	•	

S.No.	Name	Country	Remarks
01.	Dr. Ray-Shan Wu	Chinese Taipei	Recommended as member, subject to his presence else provisional member

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, realization in 2019/2020			
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 72 papers published	5 Issues of IRD 78 papers published	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. No sponsored issue published	One or two sponsored special issues. One sponsored special issue	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. Done	Two working meetings. Renewal of the publishing agreement, preferably with John Wiley & Sons. Done	Two working meetings. One done	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	Action Realised	40,000 62,231	42,000	44,000	46,000	48,000
	5.5 Increase number of downloads of IRD papers	Action Realised	25,000 55,715	26,000 52,220	27,000	28,000	30,000
	5.6 Increase number of institutions with access to IRD via a Wiley License	Action Realized	4,500 5,533	4,500 6,373	4,600	4,600	4,700
	5.7 Increase number of low-cost or free access to current content to developing world institutions	Action Realised	5,000 7,669	5,000 7,911	4,900	4,900	4,800
	5.15 Improvement in the citation index (CI) and in the altmetric scorer (AC)	Action Realised	CI:0.7 AC:5% CI 0.707 AC 63%	CI:0.7 AC 6% CI 1.04 AC	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	Publication of IRD Journals	Publication of IRD Journals	Publication of IRD Journals	Publication of IRD Journals	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 3RD MEETING OF THE
TASK FORCE FOR UPDATING AND MAINTENANCE OF
MULTILINGUAL TECHNICAL DICTIONARY (TF-MTD)**

03 September 2019, 11:15-13:15 hours
Bali, Indonesia

Year of Establishment: 2016

Mandate: (a) To identify priority chapters and terms frequently referred/ consulted by AWM professionals; (b) To consult/invite professional organizations to collaborate in enriching chapters/terms; (c) To identify experts/work bodies to review terms/chapters; (d) To encourage NCs in preparation and building of additional translations along with English/French; (e) To identify interesting pictures/diagrams suitable to illustrate various terms, where required, and (f) To make it accessible on web/ mobile.

TF-MTD Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the Task Force at its last meeting held at Saskatoon in August 2018.
2. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the TF 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.

TF-MTD Agenda Item 2: Process for updation of MTD

3. During Saskatoon meeting, task force members agreed to focus on the possible update of the current English edition by checking the chapters and terms to see if any chapter/ terms need to be modified, new terms to be added, any term to be deleted as well as inclusion of any photos, diagrams, link etc. About 223 such keywords had been selected and provided by Dr Sahdev Singh, Director (KM) from ICID Central Office. Members are requested to continue to update the terms related to their chapters of the MTD and provide the same to the Chair of TF as well as to ICID Central Office.
4. The task force reviewed the categorisation assigned to chapters according to its relevance to the core areas of agriculture water management, irrigation and drainage and agreed with the prioritisation given in the table (*refer Annex 2*). The ICID Central Office has followed-up with the members and requested them to discuss the issue within their respective WG on the assigned chapters and provide feedback to the TF. The members were also requested to go through the relevant chapters to check the existing term definition, any new term/ pictures to be added or deleted. Chair/ members will provide further updates at the meeting.

TF-MTD Agenda Item 3: Translation of MTD in various local languages

5. After discussion at Saskatoon meeting, the Chair suggested that once the English updation is completed, translation of the updated MTD in different languages can be considered by respective NCs facilitated by the Central Office.

TF-MTD Agenda Item 4: Dissemination and maintenance of MTD

6. Due to time constraint, the item not discussed at the Saskatoon meeting. ICID Central Office uploaded e-version of other language versions of the MTD on the ICID website for its wider use and dissemination. Members may note that registered members can login the website <<http://www.icid.org/ximlogin/login.php>> and download/ search the technical terms related to their interest in the languages of English, Chinese, French, Japanese, Russian and Hindi (partially). TF may deliberate on various aspects of dissemination and maintenance of MTD.

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

TF-MTD Agenda Item 5: Organization of online WebEx meeting

7. During Saskatoon meeting, Chair suggested that the TF may organize a WebEx meeting sometime in June/ July 2019, in consultation with the members through DOODLE POLL. Accordingly, the ICID Central Office has followed-up with the Chair on organizing an online WebEx meeting in June/ July 2019.

TF-MTD Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XX, Item 1]

A. Attendance of members at 2017 and 2018 meeting

Sr. No.	Members	Member from	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Ding Kunlun, Chair (China)	2017	•	•	•	•	
2.	Ms. Mary Jean M. Gabriel, Chair, WG-IDM (South Africa)	2017	•		•		
3.	Dr Yu-Chuang Chang from WG-IOA (Chinese Taipei)	2017	•		•	•	
4.	Dr. A.K. Randev, Chair, WG-SON-FARM (India)	2017			•		
5.	Mr. Bernard Vincent, Chair, WG-SDRG (France)	2017	•		•	•	
6.	VPH Ian Makin, Chair, WG-M&R (Sri Lanka)	2017			•		
7.	Representative of FAO						
8.	Representative of IWMI				•		
9.	Representative of ADB						



Annex 2 [Appendix XX, Item 2]

Priority wise listing of MTD Chapters

Category 1	Category 2	Category 3
(5) Head works; (WG-IDM)	(2) Hydrology; WMO, UNESCO, IAHS	(1) General (statistics, units etc.);
(6) Design of irrigation canals; (WG-IDM)	(3) River hydraulics;	(4) Reclamation;
(7) Canal structures; (WG-IDM)	(10) Pumping stations (lifting devices);	(14) Construction materials;
(8) Project water management; (WG-IDM)	(18) Soil and water conservation;	(15) Construction techniques and equipment;
(9) Wells and drilling;	(22) Systems analysis;	(19) Environmental impacts;
(11) Irrigation systems and distribution of irrigation waters; (WG-IOA)	(24) Project planning;	(21) Computer technology;
(12) On-farm water management; (WG-SON-FARM)		(23) Hydraulic research;
(13) Design and construction of drainage systems; (WG-SDRG)		(25) Climate change
(16) Automation in irrigation, drainage and flood control systems; (WG-M&R)		
(17) Operation, maintenance and management; (WG-M&R and IDM)		
(20) Flood control; (WG-CAFM)		



**AGENDA FOR THE 1ST MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO 9TH WORLD WATER FORUM (TF-WWF9)**

04 September 2019, 11:15-13:15 hours
Bali, Indonesia

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2021

TF-WWF9 Agenda Item 1: Introduction by the Chair¹

1. At the 69th International Executive Council (IEC) held in August 2018 at Saskatoon, the Council vide Resolution IEC-2/69 approved the establishment of Task Force to Guide Inputs to World Water Forum 9 (TF-WWF9). The composition of the membership of task force as approved by the Council at its Saskatoon meeting is given as **Annex**. The Uzbek National Committee (UzNCID) has nominated Shamsiddin Qurbonov for the membership of the TF. Chair in consultation with the Central Office have updated the membership of the TF 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.

SUPP: The Iranian National Committee (IRNCID) vide email of 24 June 2019 has nominated Dr. Hossein Dehghanisani for the membership of the task force.

2. In the capacity of previous Chair of the TF, the President Hon. Chandra Madramootoo may enlighten the members on functioning of the TF and feedback from TF-WWF8, if any.

3. Chair President Hon. Dr. Saeed Nairizi (Iran) may like to apprise about the other related meetings held and other activities related to WWF9 since the Saskatoon meeting in 2018.

TF-WWF9 Agenda Item 2: Mandate of the TF

4. Task Force may like to discuss the mandate and evolve activities to be undertaken in the years to come at the meeting:

5. Mandate of the TF:

- (a) To provide overarching lead role on behalf of ICID in monitoring and provide inputs to 9th WWF by liaising with the National Committees and Workbodies;
- (b) To liaise with the National Committee for preparatory work of 9th WWF;
- (c) To liaise with 9th 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 9th WWF and recommend ICID inputs for consideration in 70th IEC;
- (e) To entertain activities to promote ICID's visibility in World Water Council.

6. Chair may lead the discussion and enumerate further activities for the TF.

TF-WWF9 Agenda Item 3: Liaison with the National Committee for preparatory work of 9th WWF

7. The 9th World Water Forum will be held in March 2021 at Senegal on the theme "Water Security for Peace and Development". Since there is no National Committee of ICID in Senegal, it is proposed to request the Burkina Faso, Mali and South African National Committees to liaise with the Forum towards preparatory work on behalf of ICID. TF may like to discuss as to how to liaise with the Forum/ National Committee at the meeting.

TF-WWF9 Agenda Item 4: Liaison with the ICID Work Bodies for Preparatory work of 9th WWF

8. TF members may like to discuss and select the key ICID work bodies in the area of the theme of the WWF9 to secure ICID's contributions to the Forum.

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

TF-WWF9 Agenda Item 5: Identify areas for ICID contributions to the Forum

9. Chair may like to discuss with the members and identify the areas of the WWF9 where ICID can contribute. The profile of the WWF9 is available at <https://www.worldwaterforum.org/>.

TF-WWF9 Agenda Item 6: Any other business

SUPP: World Water Systems Heritage (WSH)

ICID is keen to promote the World Water Systems Heritage (WSH), its joint initiative with the World Water Council (WWC). However, considering the slow process of Memorandum of Understanding (MoU) renewal with WWC, ICID is discussing ways to take the WSH initiative forward with other water heritage related international organizations and groups. Simultaneously, ICID is also developing a paper on identifying and documenting the key learning points from the knowledge embedded in the ICID Register of the World Irrigation Heritage Structures (WHIS). At present, the Register has almost 100 structures and some of them are more than 2000 years old. The paper will be published in an upcoming book on Water as Heritage.

Members of the TF may like to discuss about how to promote WSH at the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the TF report to PCTA meeting on 6 September 2019.

A. Membership of the Task Force

No.	Members	Remarks
1.	President Hon. Dr. Saeed Nairizi, Chair (Iran)	
2.	President Hon. Dr Chandra Madramootoo (Canada)	
3.	Vice President Hon. Laurie C. Tollefson (Canada)	
4.	Vice President Hon. Dr. Ding Kunlun (China)	
5.	Dr. (Ms) Eman Ragab Nofal – Young Professional (Egypt)	
6.	M. Dominique Rollin (France)	
7.	Mr. Anuj Kanwal (India)	
8.	Vice President Hon. Dr. Shinsuke Ota (Japan)	
9.	Mr. Mitsuo Ishijima (Japan)	
10.	Dr. Tsugihiko Watanabe (Japan)	
11.	Vice President Hon. Adama Sangare (Mali) – <i>tbc</i>	
12.	Vice President Hon. Prof. Dr. Abdelhafid Debbarh (Morocco) <i>tbc</i>	
13.	Secretary General, ICID – Member Secretary	

B. New nomination received from the National Committees

No.	Name	Country	Remarks
1	Shamsiddin Qurbonov	Uzbekistan	Recommended as member, subject to his presence else provisional member
2	Dr. Hossein Dehghanisanij	Iran	Recommended as member, subject to his presence else provisional member



APPENDIX XXII [PCTA Item 8.6]

**AGENDA FOR THE SECOND INFORMAL MEETING OF THE
WORKING GROUP ON VALUE ENGINEERING (WG-VE)**

04 September 2019: 11:15-13:15 hours (Session-I)

04 September 2019: 14:00-16:00 hours (Session-II)

Bali, Indonesia

Strategy Theme: Knowledge

Presented by the Chairman

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

1. In the absence of Chair Dr. Kamran Emami (Iran) and Vice-Chairman Mrs. Remziye Yildiz Gulagaci (Turkey) of the WG, Ir. Nor Hisham M. Ghazali (Malaysia), Secretary of the Working Group of the Value Engineering (WG-VE) presented report on the actions taken on the decisions and proposals for the task force at its last meeting held at Saskatoon, Canada in August 2018. WG Chair Dr. Emami will present actions taken on the decisions taken during Saskatoon meeting in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.
3. U.S. National Committee on Irrigation and Drainage (USCID) has nominated Mr. Delbert M. Smith (USA) for the membership of the WG-VE. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-VE Agenda Item 2: Introduction of the Scoping Document for a new WG

4. The Task Force on Value Engineering (TF-VE) completed its tenure in 2017. WG Chair presented the Scoping Document (SD) with the revised mandate for a new Working Group on Value Engineering (WG-VE) during the Mexico (2017) meeting. The revised mandate of the new WG as indicated below. During the last meeting, due poor attendance of the members, the Group agreed to further discuss the mandate for a new WG in the next meeting of the WG-VE at Bali, Indonesia.
5. New mandate for a new WG:
 - (a) To motivate ICID National Committees in various countries to set up their National Working Groups.
 - (b) To provide guidance to compile, publish, update and/or translate documents on Value engineering projects (irrigation, drainage, flood management, and river engineering);
 - (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic;
 - (d) To organize seminars at ICID Congresses and meeting to enhance awareness of importance of Value Engineering;
 - (e) To prepare a paper on "Application of Value Engineering in Irrigation and Flood Projects" for publication in Irrigation and Drainage (IRD);
 - (f) To finalize a book on Application of Value Engineering in Irrigation and Flood Projects".
 - (g) To encourage member countries to produce papers on Value Engineering case studies
6. PCTA in its meeting at Saskatoon in August 2018 recommended establishment of the WG, however IEC, vide its **Resolution IEC-2/69**, recommended to investigate the need for the establishment of the Working Group on Value Engineering (WG-VE) subject to completion of output of TF-VE and resubmission of the revised scoping document for getting support of at least 10 National Committees to nominate experts from their countries to the activities of the WG. In this regard, ICID CO requested WG Chair Dr. Emamito share the report of completion of TF-VE mandate along with analysis of need for establishment of the new WG-VE as well as the revised scoping document for reviewing the need for establishment of the WG on Value Engineering.

7. The revised scoping document will be finalized during the meeting and will be put up to PCTA/IEC for its approval for establishing the new WG. After finalization of the revised Scoping Document, it would be circulated among the NCs for their views/comments and inviting nominations of experts/ professionals for the WG to ascertain interest of at least 10 NCs in the new WG-VE.

WG-VE Agenda Item 3: Internal Workshop of the WG in September 2019, Bali, Indonesia

8. During the Saskatoon meeting, the WG planned to organize an Internal Workshop during the 70th International Executive Council (IEC) meeting to be held in September 2019 at Bali, Indonesia. ICID Central Office requested Dr. Emami to send announcement / call for papers of the internal workshop, including title, scope and sub-topics so that it can be circulated to the members of the working group for their contribution / participation during the next meeting of the WG. Chair will provide further updates of the workshop during WG meeting.

WG-VE Agenda Item 4: Publication of the TF-VE

9. During the Mexico (2017) meeting, it was decided that TF would bring out a publication entitled 'Value Engineering for Saving in Irrigation, Drainage and Flood Projects', including case studies on value engineering of irrigation projects from different regions like five case studies. In January 2019, Chair Dr. Emami has submitted the final draft version of the TF publication to ICID CO for editing & formatting and circulation to NCs and Members of the TF for their suggestions/views, if any. ICID CO is now formatting and editing the document of the TF publication thereafter it will be circulated to the NCs/Members of the TF for reviewing prior to bringing out an e-publication for wider disseminating and uploading on the website. WG Chair may apprise the members about the e-publication of the publication of the TF during the meeting.

WG-VE Agenda Item 5: Dissemination of information - Website

10. The TF organized an Internal Workshop on 'Application of Value Engineering in irrigation and Flood Projects' on 14 August 2018 at Saskatoon, Canada where three presentations i.e. (i) 'Application Case of VE to the design phase of Irrigation Drainage Project in Japan'; (ii) 'Contribution which a member of Japan National Committee can do to the WG-VE'; and (iii) 'Institutionalizing Value Management in the Malaysian Government Procurement System' were made by the members of TF, which have been uploaded on the TF website (<http://tf-ve.icidonline.org/>). During the TF meeting at Saskatoon, Chair requested the members to provide interesting articles, material, documents, reports, presentations etc. related to the activities of the TF for uploading the TF website to enrich contents on the TF website. Members may like to discuss and evolve methodology for sharing of information and updation of TF website.

WG-VE Agenda Item 6: Closure Report of the TF-VE

11. TF Chair will present closure report of the TF-VE in the TF meeting and submit report to ICID CO for record.

WG-VE Agenda Item 7: Any other business

12. Dr. Emami conducted a one-day training workshop on Value Engineering (WG-VE) on 8 March 2018 at Tehran, Iran and outcome of the training workshop is available at http://www.icid.org/nup2018_5.pdf. WG Chair will present a brief report of the workshop during the next meeting of the group to be held in September 2019 at Bali, Indonesia.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

A. Attendance of members in 2017 and 2018

Sl. No.	Members	Member From (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Dr. Kamran Emami, Chairman (2013) (Iran)	2012	•			•	
2.	Mrs. Remziye Yildiz Gulagaci, Vice-Chairman (2013) (Turkey)	2013					Contributed by e-mail in 2016
3.	Ir. Nor Hisham M. Ghazali, Secretary (2013) (Malaysia)	2013	•		•		
4.	Mr. Francois Brelle (France)	2013					Contributed by e-mail in 2016
5.	Mr. Suman Sijapati (Nepal)	2014	•				
6.	Dr. Toshihiko Kuno (Japan)	2014	•		•		
7.	Dr. Yawen, Chueh (Chinese Taipei)	2018				# ¹	
8.	Dr. Vijay K. Labhsetwar, ICID CO	2012	# ²				

B. New Nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1.	Mr. Delbert M. Smith	USA	Recommended as member, subject to his presence else provisional member



¹Through representation

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

04 September 2019, 14.00-16.00 hours
Bali, Indonesia

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2016

Extended the completion of the Mandate: 2022

Mandate: (a) On-farm irrigation structures and water distribution system networks are properly designed, installed, managed and maintained; (b) Soil moisture is monitored, technical and management measures for enhancing the water infiltration and retention capacities of soils are investigated and implemented; (c) Trade-offs among on-farm irrigation technologies, socio-economic and environmental benefits are optimized; (d) Innovative local institutional arrangements are developed and promoted for operation and maintenance; (e) Top-notch scientific and development relevant research is conducted and its results are translated into actionable recommendations.

Website: <http://wg-on-farm.icidonline.org/>

WG-SON-FARM Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No web-ex meeting of the WG could be arranged during the year.
3. Dr. Abraham Mehari Haile (The Netherlands) vide his email 9 October 2018 has confirmed to continue his membership and ready to contribute to the activities of the group hence, the group may like to continue the membership of Dr. Haile. Mr. Mohd Yazid bin Abdullah (Malaysia) has not contributed to the activities of the group during last two years so recommended to be discontinued and new member would be invited from the National Committee 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.

SUPP: Malaysian National Committee (MANCID) has nominated Dr. Teoh Chin Chuang for the membership of the group. WG may like to consider the nomination during Bali meeting.

WG-SON-FARM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable on-farm irrigation

4. The group reviewed the activities as part of Road Map to ICID Vision 2030 and updated the progress (refer **Annex 2**). During Saskatoon meeting, the group agreed to prepare three papers - one position paper, one overview paper and one thematic document to be presented during the Bali meeting in September 2019 for which Dr Ghinassi, Mr Carl Walters and Dr Yu-Min Wang agreed to prepare one paper each. Accordingly, ICID Central Office has requested them to initiate actions to prepare the papers and present it at the Bali meeting. In response, Prof. Yu-Min Wang has informed that he will be presenting a paper titled "An Environment Friendly Approach for Saving Irrigation Water and Fertilizer in Paddy Field" during Bali meeting. Chair/ respective WG members will provide further updates at the meeting.

WG-SON-FARM Agenda Item 2.1: Publications of the working group

5. At Saskatoon, after discussion, the Chair Dr Randev agreed to discuss the finalization of the article titled "Improvement of the on-farm irrigation systems using simple water control, measuring and application devices" and paper titled "Micro irrigation for smallholders and greenhouses" with ex-Chair President Felix Reinders for its

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

possible publication in the ICID Journal. ICID Central Office has requested the Chair to update the status of finalization of the paper. Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 3: Collection and collation of micro and sprinkler data

6. During Saskatoon meeting, the Chair requested members to access the website and provide the updated information in respect of data pertaining to their countries so that the datasheet of Sprinkler and Micro Irrigation can be updated regularly. In response to the circular, National Committees of USA and Turkey were provided the updated data. The updated table of total sprinkler and micro area (in descending order) is available at <http://www.icid.org/sprinklerandmicro.pdf>.

WG-SON-FARM Agenda Item 4: Dissemination of activities of WG

WG-SON-FAMR Agenda Item 4.1: Website of the group

7. The website of the working group <http://wg-on-farm.icidonline.org/> is fully updated with new membership list, agenda, minutes etc. ICID Central Office has requested members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to any outcome of their research or development efforts at their respective working places for uploading on the WG website for wider dissemination.

WG-SON-FAMR Agenda Item 4.2: Webinar/ Web based seminar

8. Dr. Graziano Ghinassi (Italy) delivered an ICID webinar on the topic 'Smart technology to reduce energy consumption for water spreading and pipe production in hose reel sprinkler irrigation' on 5 December 2018. Mr. Sergio Sacchini (Expert Assistant) joined as a panellist during the webinar. The webinar primarily focused on the use and performance of a new device which allows the positioning of an anti-friction plastic tape below the pipe of hose reel machines when sliding over the field surface. The proceeding of the webinar is available at <http://www.icid.org/icid_webinar_13.html>. Members are requested to explore possibility of delivering webinar on the topic related to the mandate of the WG as well as participate in the upcoming webinar by visiting the above website.

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

9. At Saskatoon meeting, WG discussed about updating of MTD and after discussion, the Chair encouraged members to undertake the review of the concerned terms depending on their domain of expertise and suggest changes/ modifications and additions of new term(s), if any along with pictures, links and videos related to respective term(s). Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 6: Joint Session of Strategy Theme On-Farm, September 2019, Bali

10. At Saskatoon, the group successfully organized the Joint Session meeting of Strategy Theme 'On-Farm' on 15 August 2018. Similarly, this year too, a Joint Session of three WGs under Strategy Theme On-Farm will be organized on 5th September 2019 at Bali during 70th IEC and WIF3. WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI fall under the strategy theme 'ON-FARM'. In this respect, 1st online WebEx meeting was organized on 31 May 2019. The minutes of the WebEx meeting are available at **Annex 3**. Members of the WG are requested to participate in the joint session of strategy theme On-Farm on 5 September 2019.

WG-SON-FARM Agenda Item 7: 9th International Micro Irrigation Conference, 16-18 January 2019, Aurangabad, India – Feedback

11. The 9th International Micro Irrigation Conference (9IMIC) was successfully organized from 16-18 January 2019 in Aurangabad, Maharashtra, India on the theme 'Micro Irrigation in Modern Agriculture'. The Conference was hosted by the Indian National Committee on Surface Water (INCSW), which is a part of the Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD&GR), Government of India in association with WAPCOS Limited. The conference was inaugurated by Hon'ble Union Minister Mr. Nitin Gadkari (Ministry of Road Transport and Highways, Shipping and Water Resources, River Development and Ganga Rejuvenation, Government of India); presided by Hon'ble Chief Minister of Maharashtra Mr. Devendra Fadnavis, and Hon'ble Union Minister Mr. Radha Mohan Singh (Ministry of Agriculture and Farmers Welfare, Government of India); Hon'ble Minister Dr. Mahendra Reddy (Ministry of Agriculture, Rural and Maritime Development and Waterways and Environment, Government of Fiji). Mr. U.P. Singh, Secretary, MoWR, RD&GR, Govt. of India); Mr. S. Masood Hussain, Chairman, (INCSW, Central Water Commission); Er. Felix B. Reinders, President and Er. A.B. Pandya, Secretary General from ICID were also present during the conference. The event witnessed a large group of eminent international and national experts and local farmers sharing their experiences in the field of latest development in micro irrigation technology to enhance crop production and water management for optimal use in agriculture, technical and sociological interventions for sustainable water, food and agriculture. Around 700 delegates from 30 countries participated in the conference that provided a global platform to professionals and exhibitors to showcase

their knowledge and technologies from around the world. Broad recommendations of the 9IMIC can be accessed at https://www.icid.org/9th_microirri.html.

WG-SON-FARM Agenda Item 8: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

12. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-four young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

13. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnrresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 9: Any other business

SUPP: Pr. El Houssine Bartali, Vice President of Moroccan National Committee (ANAFIDE) vide his email of 26 August 2019 has submitted a proposal for organization of 10th International Micro Irrigation Conference (IMIC) on the theme “Micro irrigation in the era of technology innovation and digital transformation” and 72nd International Executive Council (IEC) meeting from 26 September to 2nd October 2021 in the city of Agadir, Morocco. ANAFIDE representative will provide further updates at the meeting.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXIII, Item 1]

A. Membership of the working group at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		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	# ²	•	•		
3.	Mr. Suman Sijapati, Secretary, 2016 (Nepal)	2015	•	•		•	
4.	Dr. Graziano Ghinassi (Italy)	2015	•	•	•		
5.	Mr. Hassan Shantia (Iran)	2015			#		
6.	Dr. Abraham Mehari Haile (The Netherlands)	2015					Confirmed to contribute
7.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015					No contribution during last two years. Recommended for discontinuation
8.	Dr. Akira Iwamoto (Japan)	2015	•		•		
9.	Dr. Chen, Ching-Tien (Chinese Taipei)	2015	•	•	•		
10.	Mr. Bashu Dev Lohanee (Nepal)	2015	•		•		
11.	Dr. Hossein Dehghanisani (Iran)	2015	•	•		•	
12.	Mr. S.P. Jadhav (Direct Member), JISL (India)	2015				•	
13.	Mr. Siboniso Phillip Mkhali (South Africa)	2015	•				No contribution during last one year.
14.	Mr. Ömer Faruk Akbulut (Turkey)	2015	•				No contribution during last one year.
15.	Mr. Yao Bin (China)	2016	#				No contribution during last one year.
16.	Dr. Zhang Guohua, Young Professional (China)	2016			•		
17.	Prof. Chang Eon Park (Korea, Rep. of)	2016	•		•		
18.	Eng. S. Mohanarajah (Sri Lanka)	2016		•			
19.	Dr Yu-Min Wang (Chinese Taipei)	2018			•		
20.	Dr. Ibrahim Mohamed Mahmoud (Egypt)	2018					No contribution during last one year
21.	Prof LB Roy, Direct Member (India)	2018				•	
22.	Secretary General, ICID						
	Observers/ Permanent Observers						

² # Through representation

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
(i)	Mr. Sher Singh (India)						
(ii)	Mr. M.S. Sudhakar (Direct Member), JISL (India)						
(iii)	Mr. Abijit Joshi (Direct Member), JISL (India)						
(iv)	Dr. Jano Anter (Germany)						
(v)	Mr. Bruno Molle (ISO)						
(vi)	FAO Representative						

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1.	Dr. Teoh Chin Chuang	Malaysia	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal 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	Hosted 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)



ONLINE/VIRTUAL MEETING OF JOINT SESSION OF STRATEGY THEME – ON FARM

Date: 31 May 2019; Time: 18:30 hours (India Time)

MINUTES

Members present: (1) VP Dr. K. Yella Reddy (India), Strategy Theme Leader – ‘On-Farm’ and Secretary of WG-WATER & CROPS; (2) VPH Ragab Ragab (UK), Chair of WG-WATER & CROPS; (3) VPH Laurie C. Tollefson (Canada), Vice-Chair of WG-WATER & CROPS; (4) Dr. A.K. Randev (India), Chair of WG-SON-FARM; (5) Mr. Carl Walters (Australia), Vice-Chair of WG-SON-FARM; (6) Dr. Wenyong Wu (China), Vice-Chair of WG-NCWRI; (7) Er. A.B. Pandya, Secretary General; (8) Er. Harish Kumar Varma, Executive Director; and (9) Dr. Vijay K. Labhsetwar from ICID Central Office.

ISSUES FOR DISCUSSIONS

Item 1: Background / Introduction

At the onset, Er. A.B. Pandya, Secretary General, welcomed all the members present and briefly narrated the background for the meeting. He reiterated that the consensus during the Canada meeting (2018) was to proceed with the development of a common agenda for the combined meeting of three WGs i.e. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (erstwhile PQW) with the aim to make the meetings more-lively, reduce number of parallel events, if possible.

Item 2: Outcome / Recommendations of the Joint Session of Strategy Theme – On Farm

Name of the Strategy Theme: During the Joint Session of Strategy Theme – On Farm held in Canada (2018), the new names proposed for the Strategy Theme were ‘Water Productivity’ or ‘Water Productivity and Environmental Sustainability’. However, considering reservations from PH Dr. Gao Zhanyi, Chair of SC-E-THEMES, members unanimously agreed to a revised name of “*On-farm Water Management*”. This would be placed for confirmation during the Bali meeting.

Structure of the Joint Session: SG A.B. Pandya brought the attention of the members to four components of the joint meeting i.e. WG Presentations, Workshops / Seminars, Panel Discussions and Webinar/e-Discussions and sought the opinion of the Chairs and members.

It was agreed to make WG presentations of mutual interest in the Jt. Meeting. WG-WATER & CROP is already organizing an International Workshop on ‘*Improving the water use efficiency and productivity within the water-energy-food nexus*’ on 01 September 2019 at Bali and members from the other WGs were invited to contribute to this workshop. As far ‘Panel Discussion’, it was thought appropriate to organize a 60-minute discussion on “*Building capacities for farm level water management*” (tbc) and Chaired by the Theme leader/s. Webinar/e-Discussions are to be organized during the year and not at the Joint Meeting.

Item 3: Tenure and expected output of the WGs of Strategy Theme ‘On-Farm’

Given the variable tenures of the three WGs and to bring out an expected output (guidelines / position papers, technical reports etc.) in due course of time, it was thought appropriate to extend the tenures of the WG-WATER & CROP (closing in 2019) and WG-SON-FARM (closing in 2022) to year 2025 which is closing of the WG-NCWRI (PQW). A proposal to this effect will be made to PCTA at Bali.

Item 4: Draw a combined agenda for the Joint Session on 05 Sept.2019 (13:30 to 17:00 hours)

The task of preparing a combined agenda was assigned to ICID Central Office. Accordingly, a draft agenda has been prepared. Chairs and members are requested to peruse the agenda and improve the same as appropriate by 01 July 2019 as time is scarce and confirmations have to be sought.

Item 5: Any other suggestion / observations



**AGENDA FOR THE 12TH MEETING OF THE
WORKING GROUP ON WATER AND CROPS (WG-WATER & CROP)**

04 September 2019, 11:15-13:15 hours
Bali, Indonesia

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://www.icid.org/wg_crop.html

WG-W&C 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 at its last meeting held at Saskatoon, Canada in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested workbodies to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No web-ex meeting of the WG could be arranged during the year.
3. Uzbekistan National Committee on Irrigation and Drainage (UzNCID) has nominated Eng. Karshiyev Rustam Jurayevih (Uzbekistan) for the membership of the WG. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting. The Chair may provide further updates at the meeting.

WG-W&C Agenda Item 2: Road Map to ICID Vision 2030: Activities on efficient use of water in crop production

4. During Saskatoon meeting (2018), WG reviewed the activities such as Goals/Strategies, Actions, Outcomes/Outputs, Milestones and assigning Lead Persons as part of Road Map to ICID Vision 2030 and updated the progress (**Annex 2**). WG Chair will discuss the status of various activities and report progress to PCTA.

WG-W&C Agenda Item 3: Multi-functionality of water use in paddy (Rice) cultivation

5. At Saskatoon, the WG decided to 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) rain water harvesting and energy crops. In this regard, so far, National Committees of China, Indonesia and Philippines have already contributed their papers for the Technical Report of the WG.
6. As a follow-up, ICID Central Office has requested the members/NCs from Korea, Thailand, and Taiwan to contribute their papers in the area of 'Multi-functionality of water use in Paddy (Rice) cultivation' in their countries for enriching the 'Technical Report' of the working group. Contributions from Dr. Chung-Feng, Ding through Dr. Hsiao-Wen Wang (Taiwan), Prof. Won-Ho Nam (Korea) and Mr. Chalearmkiat Kongvichenwat (Thailand) are awaited. The reports from Dr. Graziano Ghinassi through Vice President Dr. Arcieri Marco (Italy) and Dr. Leon van Rensburg through Prof. Sylvester Mpandeli through (South Africa) are also awaited. Dr. Leon van Rensburg (South Africa) has since declined to contribute as rice paddy is not area of his work. WG Chair may provide further updates at the meeting.

WG-W&C Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

7. At Saskatoon meeting (2018), the WG noted that the issue of updating of the Multilingual Technical Dictionary (MTD) could not be discussed due to absence of Dr. P. Soman (India) which was nominated as a nodal person to undertake the task of reviewing and updating the terms of MTD. In December 2018, ICID CO has requested Dr. Soman to take lead in the activity of updating Multilingual Technical Dictionary (MTD). Dr. Soman/WG Chair may like to update the members with the latest status in the matter.

WG-W&C Agenda Item 5: International Workshop on 'Improving the water use efficiency and productivity within water energy food nexus' in September 2019 at Bali, Indonesia

8. As agreed during the Saskatoon meeting (2018), WG is organizing an International Workshop on 'Improving the Water use Efficiency and Productivity within the Water-Energy-Food-Nexus' on 01 September 2019 at Bali, Indonesia. The objective of the workshop is to bring together experts from all over the world to share information, experience, and views on how to apply the principles of water-food-energy nexus in agriculture. The workshop will be focused on the following topics: (i) How improved water use efficiency and productivity impact the Nexus; (ii) Water-Food-Energy nexus at field, regional and country scales - Examples of Applications; (iii) How the Environment and ecosystem services benefit from the Nexus; (iv) Economic analysis of food production within the Nexus; (v) Management practices that promote the Nexus; and (vi) Institutional and Governance issues in implementing the Nexus. The Review Committee/ Chair has accepted 11 abstracts. Chair may provide the outcome of the workshop at the meeting.

WG-W&C Agenda Item 6: ICID-IWRA Collaboration

9. During the Saskatoon meeting, WG Chair VPH Dr. Ragab informed that the International Water Resources Association (IWRA) was looking for new collaboration between ICID and IWRA for mutual benefits such as (i) organizing joint seminars, and (ii) bring out a Special Issue of the Journal based on selected papers from the WG workshops/seminars, possibly with financial support from IWRA. In December 2018, ICID Central requested Dr. Ragab to explore the opportunities for such collaboration thereby enhancing the scope of activities of the WG. The Chair may provide further updates during the meeting.

WG-W&C Agenda Item 7: Publications of the Working Group

10. At Saskatoon, the Group considered to publish a few selected papers from the past International Workshops (2013 and 2015) and International Workshop (2019) with the support from IWRA. These selected papers of the past International Workshops of the WG could be considered for publication in the ICID Journal and/or Technical Report of the WG referred to item 3. Chair may apprise the members at the meeting.

WG-W&C Agenda Item 8: Disseminate of activities of WG

WG-W&C Agenda Item 8.1: Website of the Group

11. At Saskatoon, the group noted that the website of the working group http://www.icid.org/wg_crop.html was updated with new membership list, agenda, minutes, events, etc. WG Chair Dr. Raqab encouraged and requested the members of the WG to share their materials/ documents/articles/papers/presentations/ related to the activities of the group based on the mandate of the group for uploading on the website. In response, WG Chair Dr. Ragab shared the latest version of SALTMED 2019 and the details of the web-links which have been uploaded on the WG website for use by its members. The Chair may apprise the members during the meeting.

WG-W&C Agenda Item 8.2: Web-based Seminar/e-discussions

12. During the Saskatoon meeting (2018), WG discussed about the organization of webinar to share vast knowledge and expertise available within the WG and members from the NCs. In this regard, the Chairman of the WG encouraged and requested the members of the Group to use the platforms such as e-discussion, web-based seminars on the relevant topics based on the mandate of the WG. In December 2018, ICID CO requested the members of the WG to come forward and organise e-discussions/ webinars as relevant to the mandate of the group. WG requested to Dr. K. Yella Reddy (India) to take lead and coordinate the activity for the WG. The Chair/Dr. Reddy may provide further updates during the meeting.

WG-W&C Agenda Item 9: Merger of WG-BIO-FUEL with WG-WATER & CROP

13. As per Resolution IEC-2/69, vide notification no .21 of 2018 dated 13 December 2018, the ICID Central Office has notified merger the Working Group on Water for Bio-Fuel and Food (WG-BIO-FUEL) with Working Group on Water & Crops (WG-WATER & CROP) as approved by International Executive Council (IEC) during the 69th meeting

of ICID held in August 2018 at Saskatoon, Canada. In this regard, WG has requested Dr. Fuqiang Tian (China), Ex-Chairman of WG-BIO-FUEL to provide a feedback of the WG-BIO-FUEL during the meeting. Dr. Tian may formally join the WG and perhaps lead the BIO-FUEL related activities under this WG.

WG-W&C Agenda Item 10: New Sub-topic ‘Water Use and Productivity’

14. At Saskatoon, it was noted that Dr. Saeed Nairizi (Iran), President Hon. ICID, informed the members of the WG that the water requirements of the greenhouse crops are still estimated in a traditional way and there is a need to work out the actual requirements of various crops under greenhouse conditions.

15. Given above, the new sub-topic ‘Water Use and Productivity’ has since been included in the mandate and a Task Team (TT) has been established with members, such as (i) VP Dr. K. Yella Reddy (India); (ii) PH Dr. Saeed Nairizi (Iran); (iii) VPH Dr. Ragab Ragab (UK); and (iv) Dr. Chung-Feng, Ding (Chinese Taipei). As a follow-up, ICID Central Office has requested the members to take lead, develop a one-page concept note and a short action plan with responsibilities assigned to undertake activities under this item. In response, Dr. Chung-Feng, Ding (Chinese Taipei) has shared a research paper titled “Greenhouse Cultivation of Cherry Tomato and Asparagus in Taiwan”. Dr. Ding may present his paper briefly. WG Chair Dr. Ragab may apprise the WG members at the meeting.

16. Further, it was reported that Mr. Syaiful Mahdi (Indonesia) emphasized on the importance of ‘Effective Rainfall’ in crop water requirement as part of the rain-fed agricultural water management. The WG has since included this topic in the mandate of the group and Mr. Syaiful Mahdi was requested to take lead and develop a short action plan for activities under this topic in cooperation with the members of the Group. Mr. Syaiful Mahdi (Indonesia) has since expressed his inability, due to personal reason, to take up this task. The Chair may re-assign the task to some other WG members.

WG-W&C Agenda Item 11: Joint Session of Strategy Theme On-Farm, September 2019, Bali

17. At Saskatoon, the working group successfully organised the Joint Session meeting of Strategy Theme ‘On-Farm’ on 15 August 2018. Similarly, this year too, a Joint Session of three WGs under Strategy Theme On-Farm will be organised on 5th September 2019 at Bali during 70th IEC and WIF3. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (*formerly known as WG-PQW*) fall under the Strategy theme ‘On-Farm’. In this respect, an Online/WebEx meeting was organised on 31 May 2019. The minutes of the WebEx meeting are available at **Annex 3**. Members of the WG are requested to participate in the Joint Session of Strategy Theme ‘On-Farm’ on 5 September 2019 at Bali, Indonesia.

WG-W&C Agenda Item 12: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on Questionnaire

18. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-four young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long term strategy? (v) What is your view and contribution to promote climate smart agriculture?

19. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnresponse.pdf>. It is felt that some of the responses may be relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss the relevant issues during the meeting.

WG-W&C Agenda Item 13: Tenure of the Working Group (Summary Report)

20. The Working Group on Crops and Water Use was first established in 1986. The Group was renamed as Working Group on Sustainable Use of Natural Resources for Crop Production (WG-CROP) in 1997 with new mandate and further renamed as Working Group on Water and Crops (WG-CROP) in 2007 with another new mandate. The tenure of the WG, however, was extended intermittently and the WG is now expected to complete its

mandate in 2019. Since the WG has prolonged tenure, a “Summary Report” of the WG may be presented during the meeting. The Chair may highlight the achievements of the WG.

21. As far the tenure is concerned, it emerged in the Joint Session (**Item 3, Annex 3**) to extend the tenures of the WG-WATER & CROP (closing in 2019) and WG-SON-FARM (closing in 2022) to year 2025, which is also the closing of the WG-NCWRI. The Joint Session is organized, since 2018, by the three WGs i.e. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (erstwhile PQW) with the aim to make the meetings more-lively, reduce number of parallel events, if possible.

WG-W&C Agenda Item 14: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

A. Members and their attendance at 2017 and 2018 Meetings

Sl. No.	Members	Member from (Year)	2017		2018		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.	Mrs. Gao Hong (China)	2012	•		•		
5.	Dr. Marco Arcieri (Italy)	2014	•				
6.	Ir. Adang Saf Ahmad (Indonesia)	2015	•		•		
7.	Dr. P. Soman (Direct Member), JISL	2015	•				
8.	Prof. Won-Ho Nam (Korea)	2017	-	-	•		
9.	Dr. Chung-Feng, Ding (Chinese Taipei)	2018	-		•		
10.	Prof. Dr. Zeinab Hussien Behairy (Egypt)	2018	-	-			Provisional Member (2018)
11.	Dr. Kazumi Yamaoka (Japan)	2018		-	•		
12.	Secretary General, ICID						
Permanent Observers							
1.	FAO representative						
2.	Mr. Herbert H. Van Lier, CIGR						
3.	Prof. D. Wrachien (Italy)						
4.	ICRISAT representative						
Observer							
1.	Mr. Syaiful Mahdi (Indonesia)	2015	•		•		

B. New Nomination received from the National Committee

Sl. No.	Name	Country	Remarks
1.	Eng. Karshiyev Rustam Jurayevih (Uzbekistan)	Uzbekistan	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 2018	Milestone for Year 2019	Milestone for Year 2020	Resolution Lead Person
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 and publish	Merge Item 5 and B1. Dr Marco Arcieri (Italy)
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 and publish	Dr Marco Arcieri (Italy)
Strategy C3: Promoting Regional Cooperation	3.2 International Workshop/seminar on 'Improving Water Productivity in the frame work of Water Energy Food Nexus'	Workshop proceedings	Announcement of workshop	Orgnaising Workshop in Canada	Publication of papers in the Special Issue of the Journal	VPH Laurie C Tollefson (Canada)
Strategy D2: Developing Technical Documents in Non-technical Language	2.2 Crop – Water-Energy Nexus	Technical Report		Workshop	Workshop	Dr K Y Reddy (India)
Strategy E2: Strengthening Extension Services with AWM information						Dr Nader Heydari (Iran)
Strategy E3: Developing and Promoting Tools of AWM	3.1 Support research and development of modelling tools	Development of suitable Models, Sensors, Tools for field use	Prepare action plan	Draft report on various developments	Consolidation and final report	Dr Ragab Ragab
Strategy F3: Technical Training of Young Professionals from Member countries	3.9 Training on Crop Water Models Aqua Crop	Conduct Training workshops		Training workshops		All Members are responsible.



ONLINE/VIRTUAL MEETING OF JOINT SESSION OF STRATEGY THEME – ON FARM

Date: 31 May 2019; Time: 18:30 hours (India Time)

MINUTES

Members present: (1) VP Dr. K. Yella Reddy (India), Strategy Theme Leader – ‘On-Farm’ and Secretary of WG-WATER & CROPS; (2) VPH Ragab Ragab (UK), Chair of WG-WATER & CROPS; (3) VPH Laurie C. Tollefson (Canada), Vice-Chair of WG-WATER & CROPS; (4) Dr. A.K. Randev (India), Chair of WG-SON-FARM; (5) Mr. Carl Walters (Australia), Vice-Chair of WG-SON-FARM; (6) Dr. Wenyong Wu (China), Vice-Chair of WG-NCWRI; (7) Er. A.B. Pandya, Secretary General; (8) Er. Harish Kumar Varma, Executive Director; and (9) Dr. Vijay K. Labhsetwar from ICID Central Office.

ISSUES FOR DISCUSSIONS

Item 1: Background / Introduction

At the onset, Er. A.B. Pandya, Secretary General, welcomed all the members present and briefly narrated the background for the meeting. He reiterated that the consensus during the Canada meeting (2018) was to proceed with the development of a common agenda for the combined meeting of three WGs i.e. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (erstwhile PQW) with the aim to make the meetings more-lively, reduce number of parallel events, if possible.

Item 2: Outcome / Recommendations of the Joint Session of Strategy Theme – On Farm

Name of the Strategy Theme: During the Joint Session of Strategy Theme – On Farm held in Canada (2018), the new names proposed for the Strategy Theme were ‘Water Productivity’ or ‘Water Productivity and Environmental Sustainability’. However, considering reservations from PH Dr. Gao Zhanyi, Chair of SC-E-THEMES, members unanimously agreed to a revised name of “*On-farm Water Management*”. This would be placed for confirmation during the Bali meeting.

Structure of the Joint Session: SG A.B. Pandya brought the attention of the members to four components of the joint meeting i.e. WG Presentations, Workshops / Seminars, Panel Discussions and Webinar/e-Discussions and sought the opinion of the Chairs and members.

It was agreed to make WG presentations of mutual interest in the Jt. Meeting. WG-WATER & CROP is already organizing an International Workshop on ‘*Improving the water use efficiency and productivity within the water-energy-food nexus*’ on 01 September 2019 at Bali and members from the other WGs were invited to contribute to this workshop. As far ‘Panel Discussion’, it was thought appropriate to organize a 60-minute discussion on “*Building capacities for farm level water management*” (tbc) and Chaired by the Theme leader/s. Webinar/e-Discussions are to be organized during the year and not at the Joint Meeting.

Item 3: Tenure and expected output of the WGs of Strategy Theme ‘On-Farm’

Given the variable tenures of the three WGs and to bring out an expected output (guidelines / position papers, technical reports etc.) in due course of time, it was thought appropriate to extend the tenures of the WG-WATER & CROP (closing in 2019) and WG-SON-FARM (closing in 2022) to year 2025 which is closing of the WG-NCWRI (PQW). A proposal to this effect will be made to PCTA at Bali.

Item 4: Draw a combined agenda for the Joint Session on 05 Sept.2019 (13:30 to 17:00 hours)

The task of preparing a combined agenda was assigned to ICID Central Office. Accordingly, a draft agenda has been prepared. Chairs and members are requested to peruse the agenda and improve the same as appropriate by 01 July 2019 as time is scarce and confirmations have to be sought.

Item 5: Any other suggestion / observations



**AGENDA FOR THE 1ST MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

05 September 2019, 11:15-13:15 hours
Bali, Indonesia

Strategy Theme: On-Farm

Presented by the Chair

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate:(a) Exchanging knowledge, experience and data as well as networking on the topic in order to be up-to-date with new developments, methods and approaches; (b) Preparing comprehensive reviews and prospects with respect to different aspects of NCWR; (c) Producing technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water; (d) Organizing international workshops, seminars and meetings on the NCWR topic; (e) Producing documents on successful case studies with the new developments with respect to NCWR presented by the members from different countries; (f) Enlarging the membership of the WG by encouraging more member countries where the use of non-conventional waters is a common practice for irrigation management; (g) Finalizing the publication of a Technical Paper pending from the activities of the erstwhile Working Group on Use of Poor Quality Water for Irrigation (WG-PQW).

In May 2019, Chair Anna Tedeschi informed that she will not be able to attend the Bali meeting due to some unavoidable reason and requested Vice-Chair Prof. Wenyong Wu to conduct the meeting.

WG-NCWRI Agenda Item 1: Introduction by the Chair¹

1. As per Resolution IEC-2/69, vide notification no.18 of 2018, dated 4 December 2018, the ICID Central Office has informed about the establishment of the Working Group on Non-conventional Water Resources for Irrigation (WG-NCWRI) and invited nominations from the National Committees.

2. In response, the Moroccan National Committee (ANAFIDE) has nominated Mr MohaOuhssain while the Indian National Committee on Surface Water (INCSW) has nominated Dr Ratan Chand Jain for the membership of the WG. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: Chinese Taipei Committee (CTCID) vide email of 24 July 2019 has nominated Dr. Chihhao Fan for the membership of the Working Group.

3. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. The Chair will make a brief introduction of the WG and present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

WG-NCWRI Agenda Item 2: Road Map to ICID Vision 2030 – Activities on non-conventional water resources for irrigation

4. At Saskatoon meeting (2018), the group discussed and reviewed the activities as listed in the action plan of Road Map to ICID Vision 2030 (refer **Annex 2**). During the meeting, two interesting presentations related to the new mandate of the working were made viz:

- (a). "Measurement of soil salinity by hyperspectral reflectance of cotton leaves" by Dr. Takanori Nagano (Japan);

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

- (b). “Pollution potentials and risks of organic pollutants with reclaimed irrigation water” by Dr.Wenyong Wu (China)

5. WG Chair will further discuss the mechanisms to monitor the progress of identified activities under action plan during the meeting and update the action plan.

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

6. Chair and members of the group may like to discuss and develop the work plan based on the new mandate at the meeting.

WG-NCWRI Agenda Item 3. 1: Prepare a state-of-the-art document on use of NCWR

7. In January 2019, Chair Anna Tedeschi circulated an outline proposal to all members for preparing a document on the use of non-conventional waters applied in case studies in their countries. The proposed outline of the document is:

- (a) Description, location, dimension and years of application of the field trial on which the use has been demonstrated and evaluated
- (b) Type of crops on which the water is applied
 - Perennial or seasonal
 - Food chain or other use
- (c) Characteristics of non-conventional water:
 - Source, composition, Temperature, flowrate
- (d) Mode of application
 - Restrictions applying to water quality vs water use (e.g. forage vs human nutrition)
 - Only non-conventional water? Or a mixture of water and non –conventional water?
 - Irrigation scheduling and irrigation system
- (e) Yield response
 - Biomass production
 - food quality

8. Chair requested all members to contribute so that it could be tabled at Bali meeting in September 2019. The document should describe case studies of the application of non-conventional waters resources for crop cultivation, mostly focusing on the effect on crop growth/yield. Chair has informed that Dr. Tasuku Kato, and Dr. Muhammad Munir Ahmad shall report the results of their case studies at Bali meeting.

WG-NCWRI Agenda Item 3. 2: Developing manuals/ standards with respect to NCWR

9. As per mandate of the WG, the group would like to produce technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water. Chair may like to discuss it with the members towards developing such documents at the meeting.

WG-NCWRI Agenda Item 3. 3: Organizing international workshop on NCWR topics

10. The members of the group may like to discuss about organizing international workshops, seminars and meetings on the NCWR topic at the meeting.

WG-NCWRI Agenda Item 3. 4: Joint Session of Strategy Theme On-Farm, September 2019, Bali

11. At Saskatoon, the group successfully organized the Joint Session meeting of Strategy Theme ‘On-Farm’ on 15 August 2018. Similarly, this year too, a Joint Session of three WGs under Strategy Theme On-Farm will be organized on 5th September 2019 at Bali during 70thIEC and WIF3. WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI fall under the strategy theme ‘ON-FARM’. In this respect, 1st online WebEx meeting was organized on 31 May 2019. The minutes of the WebEx meeting are available at **Annex 3**. Members of the WG are requested to participate in the joint session of strategy theme On-Farm on 5 September 2019.

WG-NCWRI Agenda Item 3. 5: Publication of erstwhile WG-PQW

12. The following technical papers have been now received after untiring efforts by the Chair and ICID Central Office:

- (a) Impact of Tsunami on farmland and the progress of rehabilitation after the Great East Japan Earthquake by Dr. Takanori Nagano (Japan)
- (b) Impact of saline irrigation water on soil conditions and soil properties by Dr. Tedeschi Anna et al. (Italy)
- (c) Poor quality water and degraded land for biofuel crops (ArundoDonax, L.) by Dr. Tapas K. Biswas (Australia)
- (d) Modelling the use of irrigation as part of a highly saline mine water management strategy in the Vaal Basin, South Africa by Dr. Michael van der Laan, et al. (South Africa)
- (e) Review and retrospective of reclaimed water irrigation in China by Prof. Wenyong Wu (China) will be preferred to be finished in the end of June.

13. The Chair and the members may discuss ways to synthesise these papers into a Technical Report and e-publish on the ICID website (WG webpage).

WG-NCWRI Agenda Item 3. 6: Capacity building- training and workshop

14. The members of the group may like to discuss about developing and running capacity building program dedicated to the NCWR users.

WG-NCWRI Agenda Item 4: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXV, Item 1]

A. Members and their attendance at 2018 meeting

No.	Members	Member from (Year)	2018		Remarks
			Self	Contributed by mail	
1.	Dr. (Ms.) Anna Tedeschi, Chair (Italy)	2018	•	•	
2.	Dr. Wenyong Wu, Secretary (China)	2018	•	•	
3.	Dr. Tapas Kumar Biswas (Australia)	2018		•	
4.	VPH Dr. Samia El-Guindy (Egypt)	2018			
5.	Dr. Mohamed Shaban M. Abu Salama (Egypt)	2018			
6.	Dr. Hussein Abdel Halim El Gammal (Egypt)	2018		•	
7.	VPH Dr. Karim Shiaty (Iran)	2018		•	
8.	Dr. Tasuku Kato (Japan)	2018	•	•	
9.	Dr. SeungHeon Lee (Korea, Rep. of)	2018	•	•	
10.	Dr. Muhammad Munir Ahmad (Pakistan)	2018		•	
11.	Prof. Leon van Rensburg (South Africa)	2018			
12.	VPH Dr. R. Ragab (UK)	2018	•	•	
13.	Secretary General, ICID				
	Permanent Observers				
14.	FAO representative				
15.	ICBA representative (UAE)	UAE			

B. New nomination received from the National Committees

No.	Name	Country	Remarks
1	Mr MohaOuhssain	Morocco	Recommended as member, subject to his presence else provisional member
2	Dr Ratan Chand Jain	India	Recommended as member, subject to his presence else provisional member
3	Dr Chihhao Fan	Chinese Taipei	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022
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)



ONLINE/VIRTUAL MEETING OF JOINT SESSION OF STRATEGY THEME – ON FARM

Date: 31 May 2019; Time: 18:30 hours (India Time)

MINUTES

Members present: (1) VP Dr. K. Yella Reddy (India), Strategy Theme Leader – ‘On-Farm’ and Secretary of WG-WATER & CROPS; (2) VPH Ragab Ragab (UK), Chair of WG-WATER & CROPS; (3) VPH Laurie C. Tollefson (Canada), Vice-Chair of WG-WATER & CROPS; (4) Dr. A.K. Randev (India), Chair of WG-SON-FARM; (5) Mr. Carl Walters (Australia), Vice-Chair of WG-SON-FARM; (6) Dr. Wenyong Wu (China), Vice-Chair of WG-NCWRI; (7) Er. A.B. Pandya, Secretary General; (8) Er. Harish Kumar Varma, Executive Director; and (9) Dr. Vijay K. Labhsetwar from ICID Central Office.

ISSUES FOR DISCUSSIONS

Item 1: Background / Introduction

At the onset, Er. A.B. Pandya, Secretary General, welcomed all the members present and briefly narrated the background for the meeting. He reiterated that the consensus during the Canada meeting (2018) was to proceed with the development of a common agenda for the combined meeting of three WGs i.e. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (erstwhile PQW) with the aim to make the meetings more-lively, reduce number of parallel events, if possible.

Item 2: Outcome / Recommendations of the Joint Session of Strategy Theme – On Farm

Name of the Strategy Theme: During the Joint Session of Strategy Theme – On Farm held in Canada (2018), the new names proposed for the Strategy Theme were ‘Water Productivity’ or ‘Water Productivity and Environmental Sustainability’. However, considering reservations from PH Dr. Gao Zhanyi, Chair of SC-E-THEMES, members unanimously agreed to a revised name of “*On-farm Water Management*”. This would be placed for confirmation during the Bali meeting.

Structure of the Joint Session: SG A.B. Pandya brought the attention of the members to four components of the joint meeting i.e. WG Presentations, Workshops / Seminars, Panel Discussions and Webinar/e-Discussions and sought the opinion of the Chairs and members.

It was agreed to make WG presentations of mutual interest in the Jt. Meeting. WG-WATER & CROP is already organizing an International Workshop on ‘*Improving the water use efficiency and productivity within the water-energy-food nexus*’ on 01 September 2019 at Bali and members from the other WGs were invited to contribute to this workshop. As far ‘Panel Discussion’, it was thought appropriate to organize a 60-minute discussion on “*Building capacities for farm level water management*” (tbc) and Chaired by the Theme leader/s. Webinar/e-Discussions are to be organized during the year and not at the Joint Meeting.

Item 3: Tenure and expected output of the WGs of Strategy Theme ‘On-Farm’

Given the variable tenures of the three WGs and to bring out an expected output (guidelines / position papers, technical reports etc.) in due course of time, it was thought appropriate to extend the tenures of the WG-WATER & CROP (closing in 2019) and WG-SON-FARM (closing in 2022) to year 2025 which is closing of the WG-NCWRI (PQW). A proposal to this effect will be made to PCTA at Bali.

Item 4: Draw a combined agenda for the Joint Session on 05 Sept.2019 (13:30 to 17:00 hours)

The task of preparing a combined agenda was assigned to ICID Central Office. Accordingly, a draft agenda has been prepared. Chairs and members are requested to peruse the agenda and improve the same as appropriate by 01 July 2019 as time is scarce and confirmations have to be sought.

Item 5: Any other suggestion / observations



**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

05 September 2019, 14.00-16.00 hours (Session I) and 16.15-18.15 hours (Session II)
Bali, Indonesia

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 economic performance enhancement (cost reduction and efficiency improvement).

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

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.
3. Eng. Abd Elsalam Mohamed Salih Idriss (Sudan) and Mr. G.L. Bansal (India) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-IDM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on irrigation development and management

4. During Saskatoon meeting, WG reviewed the activities as part of Road Map to ICID Vision 2030 and updated the progress (refer **Annex 2**). WG will discuss the status of various activities and report progress to PCTA.

WG-IDM Agenda Item 2.1: Publication of the WG

5. During Saskatoon meeting, WG noted two draft documents entitled "Norms and standards of irrigation development" and "Condensed overview of existing documents and practical examples on water balance approach" were submitted for review. ICID Central Office has requested members to give their inputs to these documents and also make presentations related to the mandate of the group during Bali meeting. Chair will provide further updates at the meeting.

WG-IDM Agenda Item 3: Presentation by the working members

6. During Saskatoon meeting, Dr Narges Zohrabi (Iran) made a presentation titled "Water Management and Irrigation Development in Iran". Similarly, Dr Katsuyuki Shimizu (Japan) vide email of 16 May 2019 has informed that he will make a presentation on "Investigating and providing information on the positive amenities, services and goods provided by irrigation systems" during the Bali meeting.

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

WG-IDM Agenda Item 4: Exchange of information, knowledge & networking – website

WG-IDM Agenda Item 4. 1: Website of the WG

7. The website of the working group http://www.icid.org/wg_idm.html is fully updated with new membership list, agenda, minutes etc. ICID Central Office has requested members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to any outcome of their research or development efforts at their respective working places for uploading on the WG website for wider dissemination.

WG-IDM Agenda Item 4. 2: Webinars/ Web based seminars

8. At Saskatoon meeting, the group noted the importance of the webinar and agreed that it is a very good platform of knowledge exchange. ICID Central Office has requested members to suggest topics for organization of the webinar. Chair will provide further updates at the meeting.

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

9. During Saskatoon meeting, WG noted that Dr. Katsuyuki Shimizu (Japan) had volunteered to the task of updating the terms related to the MTD and had proposed to prepare a draft list of terms related to section (5) Head works; (6) Design of irrigation canals; (7) Canal structures; (8) Project water management; and (17) Operation, maintenance and management. During the meeting, Dr. Shimizu made a presentation on the work that has been done so far. ICID Central Office has requested members to undertake a similar exercise and contribute to MTD.

WG-IDM Agenda Item 6: Workshop on water accounting

10. The International Research Program for Irrigation and Drainage-Iran Regional Node (IRPID-IRN) affiliated to ICID successfully organized the “International Training Workshop on Water Accounting- Concepts and Tools” with the support of leading institutions and specialists from 23-26 February 2019 in Iran (23 February in Tehran; 24-26 February in Ahwaz). The workshop which was the first joint professional collaboration of FAO, ICID and IRPID-IRN introduced concepts and tools to a wide range of audiences including high-level decision-makers, academics and professionals in the water, agriculture and environmental sectors. Renowned and experienced researchers and senior experts in the field of water accounting were invited from FAO, ICID, IWMI and academia as speakers and instructors for the workshop. Dr. Narges Zohrabi, Head of Iran Regional Node, IRPID-IRN and workshop organizer expressed her gratitude to discuss the concept of WA framework with specific focus on capacity building of the participants to implement water accounting for agricultural water management. Several presentations were made by FAO and ICID representatives. Dr. Amgad Elmahdi, as ICID resource person, described “Australian Water Reform and National Water Account.” More than 370 participants attended the workshop.

WG-IDM Agenda Item 7: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

11. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-two young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

12. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide 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 Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXVI, Item 1]
A. Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Ms. Mary Jean M. Gabriel, Chair (South Africa)	2015	•		•		
2.	Mr. Ahmet Şeren, Vice Chair (Turkey)	2016		•			
3.	Dr. Katsuyuki Shimizu, Secretary (Japan)	2015	•	•	•		
4.	Dr. Wu Jingwei (China)	2015	# ²		•		
5.	Ir. Mat Hussin Bin Ghani (Malaysia)	2015	#		#		
6.	VPH Francois Brelle (France)	2015		•			
7.	Mr. Ming-Young Jan (Chinese Taipei)	2015	•		•		
8.	Mr. Waleed Hassan (Egypt)	2015		•			
9.	Dr. Amgad Elmahdi (Australia)	2016		•		•	
10.	Dr. Narges Zohrabi (Iran)	2016	•	•	•		
11.	Eng. Abd Elsalam Mohamed Salih Idriss (Sudan)	2016					No contribution during last two years. Recommended for discontinuation
12.	Mr. G.L. Bansal (India)	2016					No contribution during last two years. Recommended for discontinuation
13.	Eng. Mohammed Omar Makram Afify – Young Professional (Egypt)	2017		•			
14.	Mr. Tariq Altaf (Pakistan)	2017		•		•	
15.	Prof. LB Roy – Direct Member (India)	2018				•	
16.	Eng. El Sayed El Yamani Ali Sarkees (Egypt)	2018					
17.	Dr. (Ms) Eman Ragab Mohamed Nofal – YP (Egypt)	2018			•	•	
18.	Secretary General, ICID		•				
Permanent observers/ Observers							
(i)	VPH Ian Makin (UK)	2015	•		•		
(ii)	VPH Hafied Gany (Indonesia)	2015		•			



² Through representation

ROAD MAP TO ICID VISION 2030 – ALLOCATION OF TASKS

Goal/ Strategies	Activities	Outcomes/ Outputs	Responsible person
Goal A: Enable higher crop productivity with less water and energy			
A1. Strategy: Modernizing irrigation systems	1.1 Develop a program for introducing standards for irrigation systems	Standards for Irrigation and Drainage	Dr Ming-Young Jan / Ms M J Gabriel
	1.2 Report or case studies on recent development in Irrigation Drainage Management	Case studies Presented in WG meetings	Dr Narges Zohrabi
A6. Strategy: Improving performance of irrigation systems	6.1 Investigating and providing information on the positive amenities, services and goods provided by irrigation systems (in consultation with WG-ENV)	Technical Report	Dr Shimizu
	6.7 Identify drivers and social resistances within the systems to improve Irrigation management	Report	TBD
Goal B: Be a catalyst for change in policies and practices			
B1.Strategy: Support development of appropriate policies	1.14 Report on South-South cooperation for capacity development in the field of irrigation management	Report	TBD
B3. Strategy: Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	Mr Ian Makin (to assist)
Goal C: Facilitate exchange of information, knowledge and technology			
C1.Strategy: Providing knowledge sharing platform for AWM professionals	1.3 Organize Workshop, Seminar and Symposium on Water Balance Approach	Proceedings	TBD
C4.Strategy: Compile, Collate and Share Knowledge and Experiences	4.9 Condensed overview of existing documents and practical examples on water balance approach	Technical Report	Ms MJ Gabriel
	4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)	Technical Paper	TBD
Goal D: Enable Cross Disciplinary and Inter-Sectoral Engagement			
D2. Strategy: Developing Technical Documents in Non-technical Language	2.3 Investigating and documenting the social and economic impacts of irrigation systems	Technical report	TBD
Goal E: Encourage research and support development of tools to extend innovation into field practices			
E6. Strategy: Dissemination of useful research outputs	6.2 Investigate and report on state of research, barriers or locks and promising paths in the field of irrigation management	Technical report	TBD



**AGENDA FOR THE 5TH MEETING OF
WORKING GROUP ON INSTITUTIONAL ASPECTS OF
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

05 September 2019, 14.00-16.00 hours (Session I)

05 September 2019, 16.15-18.15 hours (Session II)

Bali, Indonesia

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.

Webpage: http://www.icid.org/wg_ioa.html

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No virtual meeting of the WG could be arranged during the period since last meeting in Canada.

3. Mr. Franck Sanfilippo (France), Mr. Houshang Hasouni Zadeh (Iran), Mr. Ghassan Lutfi Ahmed (Iraq), and Ms. Hend Emad Alhendy - Young Professional (Iraq) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-IOA Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on institutional and organizational aspects of irrigation

4. During Saskatoon meeting, WG reviewed the Action Plan for WG-IOA and updated it keeping in view the mandate and availability of resources for achieving various activities (refer **Annex 2**). WG will discuss status of various activities under roadmap and report the progress to PCTA.

WG-IOA Agenda Item 2.1: Publication of the WG

5. At Saskatoon, the WG noted that the Chair had submitted a paper for the 8th Asian Regional Conference (ARC) with the topic "PIM Procedures and Processes under the Small Holding Farming" in May 2018 and also contributed related material on soft publication, as proceeding of the 8th ARC. It was proposed that for building up a complete

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

I&O database system, the WG-IOA will continue to compile all “Outputs” for supporting the completion of its mandate by 2021, by virtue of: investigate, analyse and disseminate information and knowledge among the issues of IOA such as Legal Framework and Organizational Structures of WUA, PIDM, IDMT, and PPP in irrigation/drainage. Chair will provide further updates at the meeting.

6. VPH Hafied Gany has brought out an interesting publication titled “Subak Irrigation System in Bali: An Ancient Heritage of Participatory Irrigation Management in Modern Indonesia” and is available at ICID’s website. ICID Central Office has circulated the above book to all members of the WG.

7. A paper titled “Global Review of Institutional Reform in the Irrigation Sector for Sustainable Agriculture Water Management, including Water Users Associations” was published in Volume 68, Issue 1 (February 2019) in the special issue of Irrigation and Drainage Journal by Wiley Publisher. During Saskatoon meeting, two papers titled “Irrigation management and participation in Thailand” by Mr. Chaiwat Prechawit, Thanar Sutrawattana, Watchara Suiadee, Vipop Teamsuwan (Thailand) and “Tropical Perennial Rice farming systems (SALIBU technology) for the 2nd Green Revolution against climate change” by Mr. Kazumi Yamaoka (Japan) were presented. After discussion, Chair suggested to review and edit the paper for supporting the database of WG and proposed to present the full paper during the 70th IEC meeting in Bali in September 2019. Chair will provide further updates at the meeting.

WG-IOA Agenda Item 3: Presentation by the working group members

8. ICID Central Office has requested members of the WG to make a presentation during Bali meeting in consultation with the Chair VPH Hafied Gany. Chair will provide further updates at the meeting.

WG-IOA Agenda Item 4: Dissemination of activities of WG – Website of the group

WG-IOA Agenda Item 4.1: Website of the WG

9. During Saskatoon meeting, the group noted that the website of WG-IOA http://www.icid.org/wg_ioa.html had not been utilized effectively and hence Chair requested members to actively participate and access the website and upload the appropriate document that would be effectively used by the members of the IOA working group in completing the assignment by 2021 and beyond.

10. Accordingly, ICID Central Office has requested members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to any outcome of their research or development efforts at their respective working places for uploading on the WG website for wider dissemination. WG will deliberate on status and mechanism of sharing/ dissemination of information related to WG.

WG-IOA Agenda Item 4.2: Webinars/ Web based seminars

11. At Saskatoon meeting, the group noted the importance of the webinar and agreed that it is a very good platform of knowledge exchange. In December 2018, Chair proposed a webinar on the material related with Mexico Symposium on the topic “Present Status and Developments with Respect to Roles of Stakeholders in Relation to the ICID Vision 2030” in the month of June 2019.

12. Similarly, Chair proposed for e--Discussion among members of the WG between 22 July 2019 and 3 August 2019 on the topic “Improvement of the functioning and effectiveness of the WGs annual meetings through interrelationship and integrated coordination amongst the WGs’ meetings”. The objectives of the e-discussion is to utilize the facilities and documentation; sharing experiences of good practice on the subject matters. WG Chair will provide further updates in the matter.

13. ICID Central Office has requested encouraged members to suggest topics for organization of the webinar. Chair will provide further updates at the meeting.

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

14. Dr. Yu Chuang Chang as the member of WG-IOA was assigned to represent the WG-IOA at the TF-MTD. Dr. Chang reported that the updating of MTD is being conducted on regular basis, but the progress is slow. During the meeting, some members suggested to start with the simple terms and make updating while discussing the related material with other members of TF from other WG. Dr. Chang presented the report with example of chapter 11 of irrigation system distribution and updated 148 popular terms. Chair VPH Dr. Gany suggested to continue the process of updating and plan to make regular updating with the support of other members of the WG through e-mail on regular basis. WG will deliberate status and way forward for updating MTD terms.

WG-IOA Agenda Item 6: International Workshop on Participatory Irrigation/ Drainage Management – Transfer, Approaches and Condition for Successful PIDM, September 2019, Bali

15. International Workshop on “Institutional and Organizational Setup of Irrigation and Drainage Management System” was conducted successfully on 12 August 2018 with sub-theme as the focus on institutional and organizational (I&O) setup of irrigation and drainage (I&D) management (O&M) schemes with new I&O development, method and approaches wherein 43 persons participated.

16. Similarly, WG is organizing an International Workshop on ‘Participatory Irrigation/ Drainage Management - Transfer, Approaches and condition for successful PIDM’ during Third World Irrigation Forum (WIF3) and 70th International Executive Council (IEC) meeting in September 2019 at Bali. The scope of this workshop will be restricted to institutional and organizational aspects of irrigation drainage management (IDM) schemes for possible updation with the new IOA developments, methodologies and approaches. The workshop will be targeted to managers of irrigation and drainage schemes in the countries or regions that have Organizational Setup with special focus on I&O aspects and having practical experiences on PIDM, IDMT both on conventional irrigation as well as on micro irrigation technology.

WG-IOA Agenda Item 7: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

17. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-four young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

18. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-IOA Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXVII, Item 1]

Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Hafied A. Gany, Chairman (Indonesia)	2015	•	•	•	•	
2.	Dr. Kazumi Yamaoka, Vice Chairman (Japan)	2015	•	•	•	•	
3.	VP Madhav Belbase, Secretary (Nepal)	2015	•	•	# ²		
4.	Mr. Hasan Basri Yuksel (Turkey)	2015	•			•	
5.	Mr. Philip J. Riddell (UK)	2015		•			
6.	Dr. Seong Joon Kim (Korea, Rep. of)	2015		•			
7.	VPH Ding Kunlun (China)	2015	•		•		
8.	Mr. Franck Sanfilippo (France)	2015					No contribution, recommended for discontinuation after Bali 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					No contribution, recommended for discontinuation after Bali meeting if no contribution.
13.	Mr. Ghassan Lutfi Ahmed (Iraq)	2016					No contribution, recommended for discontinuation after Bali meeting if no contribution.
14.	Ms. Hend Emad Alhendy - Young Professional (Iraq)	2016					No contribution, recommended for discontinuation after Bali meeting if no contribution.
15.	Dr. Qazi Tallat Mahmood Siddiqui (Pakistan)	2017		•		•	
16.	Secretary General, ICID	2015	#				



² # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A4. Strategy: Promoting institutional reforms	4.1 Introduce suitable institutional setup	Guidelines		Prepare the first draft report		Finalise the draft report & publication	
A6. Strategy: Improving performance of irrigation systems	6.3 Facilitate policy analysis for improved water governance with a focus on agricultural water management and sustainable rural development.	Technical Paper					
	6.4 Develop generalized legal regulations (guidelines) and implementing changes in the public and private sectors of agriculture and water economies of the countries	Guidelines					
	6.5 Implementing changes in the public and private sectors of agriculture and water economies	Position paper					
A8. Strategy: Encouraging Participatory Management of Irrigation Systems							
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing knowledge sharing platform for AM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium	
C4. Strategy: Compile, collate and share knowledge and experiences	4.10 Condensed overview of existing key books, manuals, guidelines and other relevant publications on the institutional, organizational aspects of	Technical report		Release the first report		Release the second report	Release of final report

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
	irrigation management						
	4.11 Overview paper on the state of the art on the IOA of I&D in Irrigation and Drainage (IRD)	Paper		Preparation of the draft of first paper	Submission of first paper for IRD	Preparation of the draft of second paper	Submission of second paper for IRD
	4.12 Exchange of information and sharing knowledge through case studies on institutional and organizational	Case studies	Exchange of information		Exchange of information		Exchange of information

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



**AGENDA FOR THE 5TH MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

05 September 2019, 14:00-16:00 hours (Session I)

05 September 2019, 16:15-18:15 hours (Session II)

Bali, Indonesia

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.

Webpage: http://www.icid.org/wg_mnr.html

WG-M&R Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.
3. Mr. Vyacheslav Rozhon (Ukraine), Mr. Mehrzad Ehsani (Iran), Mr. Bir Singh Dhami (Nepal), Ms. Meral Cicek (Turkey), Mr. Firas Hussain Ali (Iraq) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. In May 2019, Mr. Mehrzad Ehsani has informed that due to clash of the meetings of WG-WATS and WG-M&R, he is not in a position to attend the WG-M&R meeting as he is also a Chair of WG-WATS. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: Ms. Portia S Angulo from Philippines National Committee of ICID (PNC-ICID) vide email of 27 August 2019 has nominated Ms. Mona Liza Delos Reyes (Philippines) for the membership of the Working Group.

WG-M&R Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on modernization and revitalization

4. At Saskatoon meeting, the group reviewed the action plan to better align the commitments to the capacity of members of the group to deliver against the proposed work plan (refer **Annex 2**); resulting in commitments to deliver actions related to **Goal A** – Enable higher crop productivity (*Strategy A1 Modernizing irrigation systems*), **Goal B** – Be a catalyst for change in policies and practices (*Strategy B1 Support to development of appropriate policies*), **Goal C** Facilitate exchange of information, knowledge and technology (*Strategy C1 Providing knowledge sharing platform for AWM professionals*) as summarized below.
5. **A1- Modernizing Irrigation Schemes** – During Saskatoon meeting, Chair VPH Ian Makin encouraged members to prepare papers for presentation at the proposed workshop of the WG at Bali as well as for the World Irrigation Forums session at Bali 2019 and Congress at Sydney 2020. Five case studies were presented during

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

Canada meeting and it was agreed that the case studies would provide the evidence-based support for the proposed paper on the State of Art on Modernization (output A1.5) contributing to the development of ICID Guidelines on Modernization of Irrigation and Drainage. Accordingly, ICID Central Office has followed-up with members and requested to share more case studies to facilitate development of guidelines on Modernization of irrigation and drainage. A template/ guidelines for preparation of case studies/ country paper is available at http://www.icid.org/mnr_guideline.pdf for reference of the members. The WG is organizing a full-day workshop on Modernization during 3rd WIF to promote further exchange of case studies experiences (refer **item 5**).

6. **B1 – Support to development of appropriate policies** - WG proposed that a joint ICID-FAO position paper on modernization would be prepared with FAO and the WG-M&R for presentation in Sydney in 2020. ICID Central Office has followed-up with Chair to initiate the preparation of position paper. Chair will provide further updates at the meeting.

7. **C1 - Facilitate exchange of information, knowledge and technology** – During Saskatoon meeting, Chair encouraged members to prepare papers for presentation at the Bali workshop and for the Congress sessions at Sydney 2020. Accordingly, ICID Central Office has followed-up with the members for a presentation at the Bali workshop.

WG-M&R Agenda Item 2. 1: Publication of the WG

8. At Saskatoon meeting, Mr. Herve Plusquellec (USA) proposed the publication of an ICID book on the use of geotextiles in irrigation and made a presentation on the proposed book. Members agreed to review the revised book and recommended to consider publication of the book as an ICID publication. Accordingly, ICID Central Office has requested members to get in touch with Mr Plusquellec and review the book. Mr Plusquellec/ Chair will provide further updates at the meeting.

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

9. During Saskatoon meeting, the group discussed the issues related to exchange of information and updating of WG-M&R website. Chair requested members to provide articles/ reports/ documents/ presentations related to the mandate of the activities for its uploading on the website of the WG. Accordingly, ICID Central Office has requested members to provide material for uploading on the web site of the WG to enrich its contents.

10. WG also proposed to organize regular WebEx meeting during 2018/19 to coordinate the preparation of background documents and implementation of the workshop. ICID Central Office has requested Chair to inform the tentative date to initiate DOODLE POLL seeking the concurrence from the members for organizing a WebEx meeting however, however no virtual meeting could be organised. WG members will discuss mechanism of sharing information and updation of its web site.

WG-M&R Agenda Item 4: Updating Multilingual Technical Dictionary (MTD)

11. At Saskatoon, WG discussed and reviewed about updating of MTD. Chair encouraged members to make use of this veritable resources in the course of their work and update the terms related to the activities of the WG. During the meeting, VP Brian Wahlin (USA) has agreed to review the terms of MTD related to canal automation which was accepted by the WG. ICID Central Office has followed-up with the members to update the terms related to the activities of the WG. Chair/ members will provide further updates at the meeting.

WG-M&R Agenda Item 5: International Workshops on Modernizing Irrigation Services for Water, Food, and Nutrition Security, September 2019, Bali

12. During Saskatoon meeting, members presented five case studies. The case studies are intended to provide the evidence base for the proposed paper on the State of Art on Modernization contributing to the development of ICID Guidelines on Modernization of Irrigation and Drainage. In order to bring together researchers and practitioners to discuss the state of the art of modernization of irrigation services and to present further case studies for inclusion in ICID publication, WG is organizing an International Workshop on ‘Modernizing Irrigation Services for Water, Food, and Nutrition Security’ during Third World Irrigation Forum (WIF3) and 70th International Executive Council (IEC) meeting in September 2019 at Bali. In total, about 10 abstracts/papers have been received for the workshop, which have been reviewed by the Review Committee. Chair will provide further updates at the meeting.

WG-M&R Agenda Item 6: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

13. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from

22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-two young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

14. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-M&R Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXVIII, Item 1]

MEMBERS AND THEIR ATTENDANCE AT 2017 AND 2018 MEETINGS

No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Ian Makin, Chairman (UK)	2015	•		•	•	
2.	Dr. Dong Bin, Vice Chairman (China)	2015	•	•	•		
3.	Engr. Muhammad Sani Bala, Secretary (Nigeria)	2015	•	•	•	•	
4.	Mr. Vyacheslav Rozhon (Ukraine)	2015					No contribution during last two years. Recommended for discontinuation
5.	Mr. Mehrzad Ehsani (Iran)	2015					No contribution during last two years. Recommended for discontinuation
6.	Ir. Eko Subekti (Indonesia)	2015	•				
7.	Dr. Yohei SATO (Japan)	2015	•		•	•	
8.	Mr. Bir Singh Dhimi, Young Professional (Nepal)	2015					No contribution during last two years. Recommended for discontinuation
9.	Dr. Kwang-Sik Yoon (Korea)	2015	•	•	•	•	
10.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015	#		#		
11.	Ms. Meral Çiçek (Turkey)	2015					No contribution during last two years. Recommended for discontinuation
12.	Dr. Brian T. Wahlin (USA)	2015	•		•	•	
13.	Mr. Usman-e-Ghani (Pakistan)	2016				•	
14.	Dr. Ali Omran Ali (Iraq)	2016				•	
15.	Mr. Firas Hussain Ali – Young Professional (Iraq)	2016					No contribution during last two years. Recommended for discontinuation
16.	Dr. Sanjay Belsare (India)	2017	•			•	
17.	Mr. Jan Potgieter (South Africa)	2018			•		
18.	Prof. Dr. Tarek Ahmed El-Samman (Egypt)	2018			•		
19.	Dr. Chih-Hung Tan (Chinese Taipei)	2018			•		
20.	Dr. Shinji Fukuda (Japan)	2018			•	•	
21.	Omid Moridnejaad – Young Professional (Iran)	2018				•	
22.	Secretary General, ICID		# ²				
Permanent observers							
(i)	Mr. Alan Kendall Clark (UK)	2015					
(ii)	FAO Representative (Ms. Robina Wahaj)	2015	#				

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1.	Ms. Mona Liza Delos Reyes	Philippines	Recommended as member, subject to her presence else provisional member



² # Through representation

Annex 2 [Appendix XXVIII, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A1. Strategy: Modernizing irrigation systems	1.4 Preparation and presentation of Case studies	Compilation of Case Studies	6 Case Studies	5 case studies presented	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	State of the Art Paper re- arranged		
	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 in Sydney in 2020	
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		Full-day workshop on modernization	Conference Session in Sydney in 2020	
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)



APPENDIX XXIX [PCTA Item 10.4]

**AGENDA FOR THE 1ST MEETING OF
WORKING GROUP ON RAIN WATER HARVESTING (WG-RWH)**
04 September 2019, 11:15-13:15 hours (Session I), and 14:00-16:00 hours (Session II)
Bali, Indonesia

Strategy Theme: Scheme

Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: (a) Promote rainwater harvesting as a natural, local, and efficient source of water in accordance with the key principles of Rainwater Harvesting; (b) Conduct research and provide advice from a range of disciplines: rainwater harvesting, irrigation and agricultural practices including water management, land use planning, policy environments, and stormwater management; (c) Provide Rainwater Harvesting Codes of Practice suitable for urban and agricultural water use.

Webpage: http://www.icid.org/wg_rwh.html

WG-RWH Agenda Item 1: Introduction of the new WG by the Chair¹

1. As per Resolution IEC-2/69, vide notification no.23 of 2018 dated 27 December 2018, the ICID Central Office has notified establishment of the Working Group on Rain Water Harvesting (WG-RWH) and invited nominations from the National Committees and Direct Members. In May 2019, ICID Central Office once again requested National Committees to nominate a suitable professional for the WG. The Chair will make a brief introduction of the WG, its mandate and programme of activities. WG Chair will also present the report on the actions taken on the decisions and proposals at last meeting of TF-RWH held at Saskatoon in August 2018.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.

SUPP: Italy National Committee (ITAL-ICID) vide email of 25 July 2019 has nominated Prof. (Ms.) Elena Bresci for the membership of the working group.

3. The Indian National Committee on Surface Water (INCSW) has nominated Dr Ratan Chand Jain for the membership of the WG. Chair 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-RWH Agenda Item 2: Work plan of the WG and Road Map to ICID Vision 2030 – activities on rain water harvesting

4. Road map to ICID Vision 2030 is available at http://www.icid.org/icid_vision2030.pdf. Based on the road map, a draft activity plan of the group as per road map to vision 2030 is attached (refer **Annex 2**). The group may discuss various activities relevant to the mandate of the WG and populate the action plan along with milestones during the meeting and submit the action plan to PCTA for approval. Chair will provide further updates at the meeting.

5. During the 68th International Executive Council (IEC), the Council encouraged WGs to monitor the progress of 'Activities identified under Various Strategies for Action Plan 2017-21' appended to 'A Road Map to ICID Vision 2030' and report to their respective Permanent Committees.

WG-RWH Agenda Item 2.1: Publication of the WG

6. The group may like to discuss about disseminating key rainwater harvesting research in the broader ICID network and also publishing a Rainwater Harvesting Code of Practice suitable for use in Irrigation and Drainage.

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

WG-RWH Agenda Item 3: Dissemination of activities of WG – website of the group

7. Members are requested 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 innovations in rain water harvesting techniques. Members are also requested 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 group will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of WebEx platform for virtual meetings in between face to face meeting during IEC.

WG-RWH Agenda Item 4: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXIX, Item 1]

A. Members and their attendance at 2018 meeting

No.	Members	Member from (Year)	2018		Remarks
			Self	Contributed by mail	
1.	Mr Geoff Harvey, Chairman (Australia)	2018	# ²		
2.	Mr. Michael Smit (Australia)	2018	#		
3.	Ms. Kathleen Heuvel – Young Professional (Australia)	2018	#		
4.	Dr. A.K. Randev (India)	2018	•		
5.	VPH Dr. R. Ragab (UK)	2018			
6.	Ms. Mary Jean Gabriel (South Africa)	2018	•		
7.	Mr. Warren Helgason (Canada)	2018	•		
8.	Mr. Bashu Dev Lohanee (Nepal)	2018			
9.	Mr. Hisham Ghazali (Malaysia)	2018	•		
10.	Dr. Puspa Raj Khanal (FAO)	2018	•		
11.	Er. Ashwin B Pandya, Secretary General, ICID		#		

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1	Dr Ratan Chand Jain	India	Recommended as member, subject to his presence else provisional member
2	Prof. (Ms.) Elena Bresci	Italy	Recommended as member, subject to her presence else provisional member

² # Through representation

Annex 2 [Appendix XXIX, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022	Milestone for Year 2023
Goal 1: Enable higher crop productivity with less water and energy	WG Activity 1.1		Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5
Goal 2: Be a catalyst for change in policies and practices	WG Activity 2.1		Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5
Goal 3: Facilitate exchange of information, knowledge and technology	3.1 Organize international workshop, seminar or symposium	First workshop		Second workshop		Third workshop	
Goal 4: Enable cross disciplinary and inter-sectoral engagement	WG Activity 4.1		Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5
Goal 5: Encourage research and support development of tools to extend innovation into field practices	WG Activity 5.1		Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5
Goal 6: Facilitate capacity development	WG Activity 6.1		Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5



APPENDIX XXX [PCTA Item 10.5]

**AGENDA FOR THE 6TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DRAINAGE (WG-SDRG)**

05 September 2019, 14:00-16:00 hours (Session I)

05 September 2019, 16:15-18:15 hours (Session II)

Bali, Indonesia

Strategy Theme: Scheme

Presented by the Chair

Year of Establishment: 2013

Completion of the Mandate: 2019

Mandate: (a) To promote drainage as part of integrated water resources management; and (b) To promote sustainable approaches for drainage and related projects through a balanced integration of (i) environmental, (ii) economic, and (iii) social and cultural aspects. The WG will work on – (a) Soil management and (integrated) water (resources) management; (b) Traditional and wise drainage management including (i) dry drainage and bio drainage, (ii) arid and semi-arid zones v/s rain fed zones, and (iii) controlled drainage and regulated drainage; (c) Operation and maintenance; (d) Promotion of multi-stakeholders approaches; (e) Reuse and multiple uses; (f) Promotion of risk assessment under global change, and (g) Assessment of drainage needs.

WG-SDRG Agenda Item 1: Action taken report by the Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. No virtual meeting of the WG could be arranged during the period since last meeting in Canada.
3. The Indian National Committee on Surface Water (INCSW) has nominated Dr. Ratan Chand Jain for the membership of the WG. Mr. Chen Hung-Kwai (Chinese Taipei), and Dr. (Ms.) Bilge Omar (Turkey) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

WG-SDRG Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable drainage

4. During the Saskatoon meeting, the group reviewed the activities on sustainable drainage as part of Road Map to ICID Vision 2030 and updated it (refer **Annex 2**). The group noted that the roadmap and the rolling plan of the WG are in a good way of achievement however, it was felt that the following points will be hard to reach as data are rarely available.

- (a) Promotion of multi-stakeholders' approaches,
- (b) Promotion of risk assessment under global change,
- (c) Assessment of drainage needs,
- (d) Reuse and multiple uses.

WG-SDRG Agenda Item 2. 1: Publication of the WG

5. At Saskatoon, the group noted that the document titled "Bio-drainage for Management of Waterlogging and Soil Salinity" authored by Dr Gurbachan Singh (India) is available at http://www.icid.org/report_bmw_n_ss.pdf for download. Chair will provide further updates of bringing out publication/report at the meeting.

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

SUPP: In August 2019, Mr. Ardavan Azari (Iran) informed that as part of compilation of experiences on bio-saline agriculture, he has prepared a design of pilot complex of bio saline agriculture activities for a region located in southern coastal area of Iran. In this connection, he proposed to make a presentation on "Bio-saline Agriculture Pilot complex in sought coastal area in Iran" during WG-SDRG meeting at Bali. He has also requested all members of the WG to provide the related documents/ experiences from their countries on the issue.

WG-SDRG Agenda Item 3: Updating database on 'Drained area in the world'

6. The updated database of drainage area is available at <http://www.icid.org/world-drained-area.pdf>. During Saskatoon meeting, Chair encouraged members to provide the latest information in respect of their countries every year regularly. ICID Central Office has requested members to provide the updated information about the drained area in their respective countries for uploading the same on the website. Chair will provide further updates at the meeting.

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

7. At Saskatoon meeting, the group discussed the updation of terms related to chapters of MTD however, it was noticed that members never shown willingness to participate in the above job. After discussion, it was proposed that Chair will do the job in consultation with the ICID Central Office. Accordingly, ICID Central Office has requested the Chair to update the status, WG Chair will provide update during the meeting.

WG-SDRG Agenda Item 5: Dissemination of activities of WG

8. The website of the WG http://www.icid.org/wg_sdg.html was fully updated with new membership list, agenda, minutes, events, etc. During Saskatoon meeting, Chair encouraged members to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. ICID Central Office has uploaded the presentation of Ardavan Azari (Iran) on the ICID's website at http://www.icid.org/wg_sdg.html. ICID Central Office has requested members to share relevant documents/ reports/articles related to the mandate of the WG to ICID CO for uploading on the website of the WG. WG will discuss the mechanism of updating information on web site.

SUPP: Dr. Momon Sokik Imanudin (Indonesia) has shared his power point presentation titled "DRAINMOD model adaptation for developing recommendations to maintain water table in the tertiary block of tidal lowland reclamations areas (A Case Study in Sugihan Kanan under Corn Cultivation)".

WG-SDRG Agenda Item 6: Organization of 14th International Drainage Workshop, 2020

9. The National Committee of Georgia had shown their interest for organizing the 14th IDW however, during the Saskatoon meeting, representative from Russian National Committee explained that the Georgian proposal is on hold due to local re-organisation. After discussion, Chair suggested some of the options, all at the stage of proposal and with no formal involvement of NC's viz. (a) 14th IDW should be in 2020 as another world wide event. IDS being organized by ASABE and CIGR will be in 2021 and it is proposed to combine both the events in one to avoid the risk of over competition since the drainage community is not able to feed both events at a short step of time; (b) In China, namely Wuhan University and the National State Key Laboratory could be keen to welcome the event with considerable advantage of the huge capacity of Wuhan University to organize.

10. The representative from the National Committee of Georgia and Chair will provide further updates of the event at the meeting. WG will further discuss how and when 14th IDW can be organised in near future.

WG-SDRG Agenda Item 7: To revisit the mandate and include urban drainage – new item

11. Since urban flooding and its drainage is one of the important aspects of drainage which has direct bearing on live of citizens in urban areas, environment, water quality and to some extent on urban agriculture also so it has been suggested and felt that IDW may also deliberate on the topic of urban drainage. Accordingly, it is proposed to revisit the mandate of International Drainage Workshop (IDW) and explore possibility of including urban drainage etc. also as part of IDW. The group may like to discuss this issue of inclusion of urban drainage in the mandate of IDW at the meeting and provide the recommendation to PCTA.

WG-SDRG Agenda Item 8: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

12. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-four young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

13. The responses received from the YPs have been compiled which is given as **Annex 3**. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-SDRG Agenda Item 9: Closure report and Scoping Document for the new Working Group

14. As per the mandate of the group, the group was established in 2013 for a six-year term i.e. upto 2019. Hence, the group may like to discuss the preparation of closure report or extension for completion of the remaining activities. The group may also like to set up a team of 3-4 persons to prepare the scoping document for the establishment of new WG. WG will discuss the matter and present its recommendations to PCTA.

WG-SDRG Agenda Item 10: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

A. Membership of the group at 2017 and 2018 meetings

No	Members	Member from	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Mr. Bernard Vincent, Chairman (France)	2013	•	•	•	•	
2.	Dr. Momon Sodik Imanudin, Vice Chairman (Indonesia)	2013		•	•	•	
3.	Dr. James Ayars (USA)	2013		•			
4.	Mr. Chen Hung-Kwai (Chinese Taipei)	2013					No contribution during last two years. Recommended for discontinuation
5.	VPH Shinsuke Ota (Japan)	2013		•		•	
6.	Dr. Yuri Yanko (Russia)	2013	# ²		#		
7.	Dr. Gurbachan Singh (India)	2013		•	•		
8.	Mr. Mati Tonismae (Estonia)	2013	#			•	
9.	Mr. Ardavan Azari (Iran)	2013	•	•	•	•	
10.	Ms. Helena Aijo (Finland)	2013	•	•	•	•	
11.	Dr. Ashraf El Sayed Ismail (Egypt)	2013	•	•			
12.	Ms. Wang Shaoli (China)	2013	•	•			
13.	Engr. Mohd Anuar Musardar bin Yusoff (Malaysia)	2013			•		
14.	Dr. Henk Ritzema (Netherlands)	2015		•			
15.	Prof. Seong Joon Kim (Korea, Rep. of)	2016		•			
16.	Dr. (Ms.) Naoko Koshiyama (Japan)	2016	•	•	•		
17.	Prof. Aidan Senzanje (South Africa)	2016	•		•		
18.	Dr. (Ms.) Bilge Omar (Turkey)	2016					No contribution during last two years. Recommended for discontinuation
19.	Mr. Fazal Rehman Kashif (Pakistan)	2017		•			
20.	Prof. LB Roy – Direct Member (India)	2018				•	
21.	Eng. Mohamed Saleh El-Basyony (Egypt)	2018					
22.	Eng. Maiada Mohamed Anwar (Egypt)	2018					
23.	Eng. Dina Mahmoud Mohamed Ali - Young Professional (Egypt)	2018					
24.	Secretary General, ICID						

² Through representation

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1	Dr. Ratan Chand Jain	India	Recommended as member, subject to his presence else provisional member

Annex 2 [Appendix XXX, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal C: Facilitate exchange of information, knowledge and technology							
C4. Strategy: Compile, collate and share knowledge and experiences	4.23 Collection and compilation of drainage irrigation data	Database	Updating database	Updating database	Updating database		
Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices							
E5. Strategy: Compilation of Global Data Sets on Irrigation and Drainage	5.3 Datasets for Drainage Area						

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



APPENDIX XXXI [PCTA Item 10.6]

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON WATER SAVING IN IRRIGATED AREAS (WG-WATS)**

05 September 2019, 14:00-16:00 hours (Session I)
05 September 2019, 16:15-18:15 hours (Session II)
Bali, Indonesia

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.

Webpage: https://www.icid.org/wg_wats2015.html

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.
3. The Uzbek National Committee (UzNCID) has nominated Isomiddin Akramov for the membership of the WG. Dr. Hassan Aboalbasher Ali (Sudan), and Mr. Mohammed Alaa Dheyaa (Iraq) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. Chair 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 - Status of activities on water saving in irrigated areas

4. At Saskatoon meeting, WG reviewed the Road Map to ICID Vision 2030 and identified some initial ideas and deliverable for the WG (refer **Annex 2**).

WG-WATS Agenda Item 2.1: Publication of the WG

5. During Saskatoon meeting, the group discussed and provided the following updates on actions initiated for further deliberation during Bali meeting.
 - (a) **Goal A: Activity 3.2 – Best practices and successful story on water saving:** ICID Central Office has disseminated the book titled "Water Saving in Irrigated Agriculture in Egypt – case studies and lessons learned" jointly authored by Mohamad Hassan Amer, Seyed Ahmed Abd El-Hafez and Mohamed Bakr Abdel Ghani by sharing and uploading it on ICID website at http://www.icid.org/wg_wats2015.html. ICID Central Office has requested members to provide interesting document/ report/ book related to the scope of the WG for the enrichment of the website.
 - (b) **Goal B: Activity 1.4- Policy and legal approaches to water saving:** The group noted that the questionnaire was circulated and finalized subsequently incorporating comments received from the members. WG suggested that Ms. Mu Jianxin (China) may submit the final questionnaire to ICID Central Office for further circulation to all NCs. Accordingly, ICID Central Office has requested Ms Mu Jianxin to

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

submit the final questionnaire for its circulation among the NCs however, response is awaited. Ms Mu Jianxin/ representative from CNCID will provide further updates at the meeting.

- (c) **Goal B: Activity 1.5- Water Charging Policies:** The Chair briefed the group and thanked all the NCs who have responded to the draft framework however, the group felt that response is not enough (at least information from 15 countries is still needed) to prepare the final report. The group discussed about the preparation of a technical book on water charging policies and mechanism to analyze the effect of water charges on water saving in agriculture. During the meeting, WG Chair volunteered to make the first draft of framework and also presented a template to collect data and information from NC. Accordingly, ICID Central Office circulated the template to all NCs and also followed-up with them to provide requisite information for preparation of a technical book on water charging policies and mechanism to analyze the effect of water charges on water saving in agriculture. The technical framework for “Agricultural Water Charging” is available at - http://attachment.benchmarkemail.com/c386762/Agricultural_Water_Charging.pdf for download. National Committees were requested to collect information, complete the content of framework and send it to the WG Chair to enable WG to finalize the draft report for discussion during Bali meeting. Chair Mehrzad Ehsani will provide further updates at the meeting.
- (d) **Goal B: Activity 1.11- State of the art on water saving:** WG decided to prepare an overview paper on the above subject highlighting the most recent research and newest ideas and submit it for publishing in ICID Journal on Irrigation and Drainage. Dr. Joe Stevens and VPH Dr. Gerhard Backeberg finalized the draft framework and circulated to all members for their inputs and contributions before finalizing the paper for submitting it for publishing in the Journal. In May 2019, Dr Stevens has informed that due to poor response from the members on the case studies, Dr. Gerhard and Stevens will draft a paper based on the South African experience and will table the final paper on South African case study. Dr Stevens/ South African representative 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 Saskatoon meeting, WG noted large amount of information and knowledge is available on this area so the group decided that newest and recent books on water saving in irrigated areas be uploaded or the links may be sent to the ICID Central Office for uploading on the website of WG. Mr. Mortaza Yazdekhasti (Iran) volunteered to coordinate and take up the task. Accordingly, ICID Central Office has followed-up with Mr Mortaza to initiate the work however, response is awaited. Mr. Mortaza/ Representative from Iran will provide further updates at the meeting.

WG-WATS Agenda Item 3: Presentation by the WatSave Award winner(s)

6. At Saskatoon meeting, the group noted that the winners of WatSave Awards 2018 were absent and hence there was no presentation. After discussion, the WG recommended that a webinar may be arranged by ICID Central Office and request the winners to present their contributions. Accordingly, ICID Central Office has followed-up with the WatSave Awardees to prepare a brief concept note for organizing the webinar in 2018/19 however, response is still awaited.

SUPP: In August 2019, Ms. Chris Delphin from Irrigation Australia’s Committee on Irrigation and Drainage (IACID) has informed that Mr. Tony Quigley and Mr. James Winter, WatSave winners 2019 from Australia will make a presentation on the subject Trangie-Nevertire during WG-WATS meeting at Bali. In August 2019, ICID Central Office has followed-up with all the winners of the WatSave Awards 2019 to attend and make a presentation during WG meeting. In response, Fuqiang Tian, winner of WatSave Technology Award 2019 has confirmed to participate and make a presentation during WG meeting at Bali.

WG-WATS Agenda Item 4: Dissemination of activities of WG – Website of the group

7. During Saskatoon meeting, the website of the WG was opened on the screen and displayed before the members. However, it was noted that due to busy schedule, Chair was not able to update the website so it was suggested that Mr. Mortaza Yazdekhasti will solve the problem in consultation with the ICID Central Office and regularly update it with all the reports/ documents sent by the Chair and other WG members. Accordingly, ICID Central Office has followed-up with the members and requested them to provide the interesting articles/ papers/ presentations/ documents related to the mandate of the WG from their country for uploading it on the ICID website. Chair/ Secretary of the WG will provide further updates at the meeting.

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

8. The WG discussed about the updating of MTD at Canada meeting and after discussion, it was proposed that the Chair will follow-up with the ICID Central Office to receive the list of the terms to be updated and submit the outputs to the Central Office. It was proposed that Prof (Ms.) Kyung–Sook Choi (Korea) will be nodal person for updating MTD terms related to the WG. ICID Central Office has followed-up with the members and requested them

to contribute towards updating the terms related to the scope of the WG. Prof. (Ms.) Choi/ representative from KCID will provide further updates at the meeting.

WG-WATS Agenda Item 6: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

9. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-two young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

10. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates at the meeting.

WG-WATS Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXXI, Item 1]

A. Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		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	# ²	•		•	
6.	Dr. Hassan Aboalbasher Ali (Sudan)	2015					No contribution during last two years. Recommended for discontinuation
7.	Dr. P. Soman – Direct Member, Jain Irrigation Systems Limited – JISL (India)	2015		•		•	
8.	Dr. Joe Stevens (South Africa)	2016	#		#	•	
9.	Ms. Jianxin Mu (China)	2016	•		•		
10.	Mr. Yalçın Dalgin (Turkey)	2016	•				
11.	Mr. Mohammed Alaa Dheyaa as Young Professional (Iraq)	2016					No contribution during last two years. Recommended for discontinuation
12.	Eng. S. Mohanarajah (Sri Lanka)	2015		•			
13.	Mr. Abijit Joshi – Direct Member, JISL (India)	2015		•			
14.	Dr. Ashfaq Ahmed Sheikh (Pakistan)	2017		•			
15.	Prof. Michele Perniola (Italy)	2017	#		#		
16.	Dr. Tasuku Kato (Japan)	2018			•		
17.	Dr. Ray-Shyan Wu (Chinese Taipei)	2018			•		
18.	Eng. (Ms) Hala Ramadan El-Sayed Ismail (Egypt)	2018					
19.	Dr. Mohamed ElHagarey (Egypt)	2018					
20.	Secretary General, ICID		#				
Permanent observers							
(i)	Mr. S.P. Jadhav – Direct Member, JISL (India)	2015					

² Through representation

SI. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
(ii)	IWMI Representative (Mr. Ian W. Makin – UK)	2015					
(iii)	FAO Representative (Ms. Robina Wahaj)	2015					

B. New nomination received from the National Committee

SI. No.	Name	Country	Remarks
1	Isomiddin Akramov	Uzbekistan	Recommended as member, subject to his presence else provisional member



ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORKBODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal A: Enable higher crop productivity with less water and energy							
A3. Strategy: Improving water saving techniques and technologies	3.1 Support Watsave award winner selection	Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards	Presenting Annual Watsave Awards
	3.2 Best Practices and Successful Story on Water Saving	Documents	Workshop on Watsave awards	Announcing annually for watsave awards and selecting successful stories	Announcing annually for watsave awards and selecting successful stories	Announcing annually for watsave awards and selecting successful stories	Setting up 10 years respective work as the documents and release by CO (2010 - 2020)
Goal B: Be a catalyst for change in policies and practices							
B1. Strategies: Supporting development of appropriate policies	1.3 Disseminate the water saving award technologies	Workshop proceedings					
	1.4 Policy and legal approaches to Water Saving	Policies/ Document	Breakdown the works in the WG	-Workshop -Designing and preparing questionnaire to collect data	Collecting and reviewing relevant laws and regulations from NC	Providing first draft	Finalize the book on policies and strategies drives on water saving
	1.5 Water Charging policies	Position paper	Define responsibility in WG	Designing Standard questionnaire	Reviewing Water Charging procedure on NC	Providing first paper	Final Paper
	1.11 State of the art on water saving	Journal Paper		Preparation of the draft of first paper	Submission of first paper for IRD	Preparation of the draft of second paper	Submission of second paper for IRD
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategies: Providing knowledge sharing platform for AWM professionals	1.1 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Seminar/ Symposium on Water Saving	Workshop			Workshop
C4. Strategy: Compile, collate and share knowledge and experiences	4.8 Condensed overview of existing key books, manuals, guidelines and other relevant publications on water saving	Technical report		Release the first report		Release the second report	Release of third report

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



**AGENDA FOR THE SIXTH MEETING OF THE
SUB-COMMITTEE ON THEMES, TOPICS AND WORK PLANS OF
FUTURE ICID EVENTS (SC-E-THEMES)**

01 September 2019: 16.15-18.15 Hours
Bali, Indonesia

Terms of Reference (ToR): (i) To deliberate and recommend the Themes, sub-themes of World Irrigation Forums and Theme and Questions of future Congresses, (ii) To set out format and technical contents of the Congress and WIFs, (iii) To review the technical outputs and outcomes and suggest follow ups, (iv) To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective and (v) To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc.

Members: (1) PH Dr. Gao Zhanyi, Chair (China, 2017); (2) VPH Dr. Ding Kunlun, Chair, PCTA (China, 2017); (3) Mr. Ali Reza Salamat, Member, PCTA (Iran, 2017); (4) VPH Mr. Franklin E. Dimick, Chair, WG-MWSCD (USA, 2017); (5) VPH Dr. Abdelhafid Debbarh, Chair, WG-CDTE (Morocco, 2017); (6) VPH Mr. Ian W. Makin, Chair, WG-M&R (UK, 2017); (7) VPH Bong Hoon Lee, Ex-Member, ITAC-23rd ICID Congress (Korea, 2017); (8) VP Dr. K. Yella Reddy, Member, ITAC-WIF3 (India, 2019); (9) VP Waseem Nazir (Pakistan, 2017) and (10) Er. Ashwin B. Pandya, Secretary General, ICID.

Sub-Committee Agenda Item 1: ATR on the Minutes of the 5th Meeting of the Sub-Committee

1. The minutes of the 5th meeting of the Sub-Committee on Themes (SC-E-THEMES) had been circulated after the 5th meeting the SC-E-THEMES held at Saskatoon, Saskatchewan, Canada. As decided during Saskatoon meeting, a joint session of WGs under ST-ON-FARM has been scheduled at Bali, Indonesia like that was held at Saskatoon, Canada.

2. Chair, SC-E-THEMES and/or Co-Theme Leaders of ST-ON-FARM will provide update during the meeting. The Sub-Committee may discuss this issue.

Sub-Committee Agenda Item 2: To review the membership of the Sub-Committee

3. As per the notification No.15 of 2017 dated 24 November 2017, the Sub-Committee shall consist of the members as per the following composition:

- (a) Technical Experts – one each drawn from ITAC for immediate past and future WIF and Congresses, within the span of six years.
- (b) Two Experts nominated by PCTA.
- (c) Three Experts drawn from Technical Workbodies of ICID
- (d) Chairperson of SC will be nominated from amongst the members, by the President in consultation with Secretary General.
- (e) The membership will be for a maximum of six years and the nominee of ITAC of past Event will be a member for two years after the conclusion of that particular event.
- (f) The membership shall not exceed more than 10 members.

4. As per the stipulated composition, the Sub-Committee is already having 10 members and a member from ITAC for 24th ICID Congress will be co-opted for membership of the Sub-Committee as and when constituted. The Sub-Committee may review the membership accordingly and make suitable recommendations.

Sub-Committee Agenda Item 3: To work out the structure of meetings related to IEC, particularly the WGs at the ICID's Annual Events, to make them more effective

5. At its last meeting in Saskatoon, the Sub-Committee made the following recommendations:

- (a) Organise online WebEx meetings prior to the main physical meeting to take care of all routine matters such as attendance, membership issues, publications etc.
- (b) Organise shortened separate physical (face to face) meetings of the WGs for 90 minutes each in place of earlier 180 minutes.

- (c) Organising a series of internal workshops (90 minutes) on the specific items related to the mandate of the working group and combining the outcome of these workshops to produce WG output/Report/Document as appropriate.
- (d) Assign the time bound specific tasks emerging from the mandate of the WG to the members for effective results.
- (e) Restructure the Plenary Session of IEC to allow the chairs/WGs to disseminate the work of their WGs to all stakeholders.

6. The Chair of SC-E-THEMES had presented these recommendations as part of the Committee's report to PCTA and PCSO for their consideration and appropriate recommendations.

7. As per the recommendation ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chairs of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. During the year only virtual meetings of three workbodies, viz. WG-SDTA, WG-CLIMATE, IYPeF could be organized. However, a number of WGs are organizing internal workshops during their meetings at Bali, Indonesia.

8. The Sub-Committee may review the progress related to the above recommendations.

Sub-Committee Agenda Item 4: To draw Guidelines to make the WG meetings/sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of workbodies with areas of common interest or holding webinars, etc. – To finalize the recommendations

9. The Sub-Committee considered the mandate and made the following recommendations, while exploring ways of combining the meetings of workbodies with areas of common interest and drawing guidelines for making the sessions technically richer and beneficial to the stakeholders and participating industries:

- (a) Organize combined meetings of the WGs for the duration of time saved from shortening the separate WG meetings, say of 180 minutes. This combined meeting could be in the shape of workshop/seminar/panel discussion on the common issues emerging from the mandate of the concerned WGs.
- (b) While ICID has four strategy themes i.e. Basin, Knowledge, On-farm and Schemes; 'On-farm' has only three WGs; namely, WG-PQW, WG-SON-FARM and WG-WATER & CROP; which can perhaps come together in 2018 on trial basis to understand the actual working of the concept and the benefits thereof.
- (c) Webinars (on-line) on the topics/areas of common interest of the concerned WGs could be held during the year.
- (d) A lot of on-line coordination prior to the annual meetings among the Chairs/members would be prerequisite for successful combined meetings (workshop/seminar/panel discussion) at the time of IEC.
- (e) In order to take final decision on the combined meeting of the WGs for strategy theme 'On-Farm', WG Chair of respective WGs may also be invited to join next meeting.

10. As per recommendation of SC, a joint session of three WGs. Namely WG-NCWRI, WG-SON-FARM, and WG-WATER & CROP was held at Saskatoon, Canada on 15 August 2018. The minutes of meeting of joint session are at **Annex**. It is also proposed to organize joint session of these three WGs at Bali, Indonesia. In order to plan for joint session meeting and develop agenda for the meeting through a web-ex virtual meeting was organised on 31 May 2019. The minutes of the joint session will be presented at the meeting by Strategy Theme Co-Leaders, ST-ON-FARM.

11. The Committee will be apprised about the outcome of the joint session meeting by the Strategy Co-Theme Leaders and/or WG Chairs. The SC will deliberate on how much practical it would be in real terms to have a joint session and present its report at PCTA meeting for its consideration and making appropriate recommendations to the Council meeting.

Sub-Committee Agenda Item 5: To consider the Report of ITAC for WIF3, Bali, Indonesia, 2019

12. PH Dr. Gao Zhanyi, Chair, ITAC for WIF3 may present the Report of ITAC for WIF3 at the meeting.

Sub-Committee Agenda Item 6: To consider the report of ITAC for 24th ICID Congress, Sydney, Australia, 2020

13. VPH Dr. Ding Kunlun, Chair of ITAC for 24th ICID Congress may present the Report of ITAC for 24th ICID Congress at the meeting.

Sub-Committee Agenda Item 7: Theme and Sub-Themes for 4th World Irrigation Forum, 2022

14. The Council vide its Resolution IEC-2/69 approved the following Theme and Sub-Themes for WIF4, following the recommendations of the Sub-Committee and PCTA at Saskatoon, Saskatchewan, Canada in August 2018.

Theme: Modernization of Irrigation Schemes

Sub-Theme 1: Policy and strategy for modernization of irrigation schemes

Sub-Theme 2: Technology for modernization of irrigation schemes

Sub-Theme 3: Investment for modernization of irrigation schemes

Sub-Theme 4: Performance Assessment of Irrigation Schemes

15. The venue of the 4th World Irrigation Forum will be decided at the 70th IEC meeting at Bali, Indonesia, as sufficient expression of interests have been received by the due date for submission of the same at ICID Central Office. This is for the information of the Sub-Committee.

Sub-Committee Agenda Item 8: Theme and Topics for 25th ICID Congress, 2023

16. As reported last year, the venue for the 25th ICID Congress is yet to be identified. However, based on the recommendations of Sub-Committee and later by PCTA, the Council approved the following Theme and Questions for 25th ICID Congress vide Resolution IEC-2/69.

Theme: Tackling Water Scarcity in Agriculture

Question 64: Innovative water resources that could be tapped for irrigated agriculture?

Question 65: On-farm techniques for saving water?

17. Sub-Committee may like to make suitable modifications to the Theme and Questions, if it deemed appropriate.

Sub-Committee Agenda Item 9: Any Other Business



**MINUTES OF THE
JOINT SESSION OF STRATEGY THEME - ON FARM
15 August 2018; 13:30-17:00 Hours
Saskatoon, Canada**

Presented by The Strategy Theme Leader(s)

Members Present: (1) President Hon. Dr. Gao Zhanyi (China), Chair, SC-E-Themes; (2) VP Dr. K. Yella Reddy (India), Strategy Theme Leader – On-Farm and Secretary of WG-W&C; (3) VP Er. Madhav Belbase (Nepal), Strategy Theme Leader – On-Farm; (4) Vice President Hon. Dr. Ragab Ragab (UK), Chair of W&C; (5) Dr. A.K. Randev (India), Chair of WG-SON-FARM; (6) Mr. Carl Walters (Australia), Vice-Chair of WG-SON-FARM; (7) Dr. (Ms.) Anna Tedeschi (Italy), Chair of NCWRI; (8) VP Waseem Nazir (Pakistan), Strategy Theme Leader – Knowledge; and (9) Er. A.B. Pandya, Secretary-General, ICID represented by Dr. Vijay K. Labhsetwar, ICID Central Office.

Observers: (i) Dr. Tasuku Kato (Japan); (ii) Prof. Changeon Park (South Korea); (iii) PH Dr. Saeed Nairizi (Iran); (iv) Dr. Akira Iwamoto (Japan); (v) Dr. Haili Wang (China); and (vi) Prof. Kuang-Ming Chuani (Chinese Taipei).

Summary of the Proceedings of the Meeting

1. At the onset, PH Dr. Gao Zhanyi (China), Chair, welcomed all the members and briefed on the various issues which emerged from the first virtual meeting of Strategy Theme Leaders and WG Chairs held on 7 July 2018. The Chair referred to Annex 2 of Agenda for observations made by members.
2. The consensus was to proceed with development of a common Agenda for the combined meeting of three Working Groups i.e. WG-WATER & CROPS, WG-SON-FARM, and WG-NCWRI. The ultimate aim was to make the meetings more-lively, reduce number of parallel events in turn increasing participation of members in the meetings and reducing duration of the ICID events, if possible.

Item 1: Review of WG mandate and its activities

The Chairs of the Working Groups presented and discussed the respective mandates and its activities. The members discussed the commonalities of the working groups so as to derive maximum outputs. The opinions of the members are summarized below:

- (a). There were six areas where three working groups could jointly work, namely (a) enhancing productivity of crops, (b) multiple use of water, (c) water harvesting techniques, (d) environmental impact assessment, (e) impact of climate change, and (f) development of cost-effective technologies.
- (b). All the three WGs have the common objective of enhancing water use efficiency and thereby water productivity. Therefore, a joint meeting under the renamed theme 'Water Productivity' could be held where all the Chairmen of the WGs could make the presentations.
- (c). The availability of water for crop production is decreasing day-by-day forcing farmers to explore new sources of water for irrigation such as waste (polluted) water use. However, there are consequences and impacts of using such water for irrigation. Therefore, the issues that the WG-NCWRI is mandated with are different than other WGs. Urban/Periurban agriculture using the treated/untreated waste water has given threats and opportunities, which also needs to be given due attention. Therefore, it may be difficult to find the common grounds with the other WGs.
- (d). The existing tenure of the Working Groups are different. The WG-WATER & CROPS is expected to complete its tenure in 2019 whereas WG-SON-FARM's mandate is upto 2022 and WG-NCWRI upto 2025. It may be difficult to harmonize the tenures as these WGs are still operating with 90 minute meetings.
- (e). The concept of water use efficiency needs to be revisited. The deep percolation considered to be a loss of water in the past, actually enriches the groundwater. Therefore, 'On-Farm' water management concept itself needs to be redefined. 'On-Farm' water management needs to be looked into the context of new perspective such as technological development, costs of the water and innovative stakeholders.

Item 2: Role of Strategy Theme Leader to guide and coordinate the combined meeting

It was noted that there are four Strategy Themes, namely, 'Basin', 'Knowledge', 'On-Farm', and 'Scheme' of ICID. Each Strategy Theme has a certain number of workbodies and the Theme Leaders are guiding and monitoring the activities of the workbodies under its umbrella. It was recommended that the Strategy Theme Leader/s to continue to guide and monitor the activities of the concerned Workbodies through the combined meeting as discussed in Item 1 and independent 90 minutes meeting.

Recommendations

1. It was recommended that the name of the Strategy Theme 'On-Farm' be revisited to make it more relevant and / or attractive in view of the modern era developments. The proposed new names were: (i) 'Water Productivity' or (ii) 'Water Productivity and Environmental Sustainability'.
2. It was decided to organise a combined meeting of all the three working groups – (i) WG-WATER & CROPS; (ii) WG-ON-FARM; (iii) WG-NCWRI with the aim to make the meetings more-lively, reduce number of parallel events in turn increasing participation of members in the meetings. The proposed ToRs for the combined meeting of 180 minutes are:
 - (a). The Theme Leader/s will prepare the Agenda for the joint meeting in co-operation with WG Chairs.
 - (b). Each working group will have 45 minutes time and the concerned Chair / members of the WG will make their presentations related to their mandate.
 - (c). The members of all the other working groups will participate in the discussions.
 - (d). A panel discussion will be planned for the remaining 45 minutes to be chaired by Theme Leader/s.
 - (e). In order to make the meetings more meaningful and practical, representatives / members from the National Committees be invited to participate which may help in bringing the respective national perspective to enrich the discussions.
 - (f). One combined workshops/seminars can be proposed and organized separately for 180 minutes, to be lead and chaired by Theme Leader/s.

