

**Minutes of the 67th Meeting of
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID
Chiang Mai, Thailand
Opening Plenary (First Session): 08 November 2016, 16:30 – 18:30 hours
Second Session: 12 November 2016, 09:00 – 12:30 hours
Third Session: 12 November 2016, 13:30 – 17:00 hours**

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

Opening Plenary (First Session): 08 November 2016, 16:30 – 18:30 hours

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

1. President Dr. Saeed Nairizi opened the 67th Meeting of the International Executive Council, the general body and highest decision-making body of ICID on 08 November 2016 in Chiang Mai, Thailand. The meeting was organized in three sessions. The Opening Plenary was aimed at addressing all stakeholders, experts, representatives, partners and observers with the objective to communicate issues of general concern and also presenting ICID annual awards and recognitions. The opening plenary was attended by more than 500 delegates from 56 countries. They participated in the various working groups, task teams and committees in the following four days. The main session of IEC which was conducted in two sessions on 12th November took all decisions, based on the outcomes and recommendations of the work bodies and permanent committees. The list of participants who attended the main session of 67th IEC meeting is given in **Annex 1 (page 27)** and included representatives of 31 National Committees, 8 Office Bearers, past Presidents and Vice Presidents along with Observers.

2. Dr. Saeed Nairizi in his opening address to the Council welcomed the members. He asked the House to observe one minute silence in remembrance of late King of Royal Kingdom of Thailand, His Majesty Bhumibol Adulyadej, who passed away on 13 October 2016 and other departed souls from ICID fraternity. May their souls rest in peace!

3. President then proceeded with his opening remarks, welcoming Somalia to the Council. The President gave an overview of ICID's mission and important tasks before the Council to realize ICID's mission such as ICID Vision 2030 towards Agriculture Water Management (AWM), revitalizing the NCs of ICID, establishing Regional Nodes under IRPID Scheme, besides strengthening the existing partnership with various international organizations and the launching of the WSH Program. He also highlighted the Water-Food-Energy nexus in the backdrop of UN SDGs. He gave a brief account of international meetings attended by him and how these international platforms were useful for enhancing ICID's objectives. He also exhorted the NCs to avail the services of TSU that has been established at ICID Central Office. He thanked the ICID stakeholders and partners for their support and the host National Committee for the highly successful 2nd World Irrigation Forum (WIF2) that was concluded just prior to the plenary of the Council meeting.

4. President then took up the next item, and requested Chairs of PCTA and PCSO and SG to make their presentations.

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

5. Secretary General Er. Avinash C. Tyagi introduced the Agenda for the 67th Council meeting and drew the attention of the members to certain issues that need their special consideration during the meetings, viz. ICID Action Plan 2030 aimed to meet six organizational goals based on UN SDG; IRPID, WSH, and TSU programs. He also informed about the greater involvement of Young Professionals in ICID activities through ICID Young Professionals' e-Forum (IYPeF). He requested the Chairs and members of various workbodies to use the updated agenda notes with supplementary information uploaded on the website for the meetings of the Council, the Permanent Committees and Work Bodies. He introduced the concept of online election system. He urged the

members to use the DropBox share folder for easy dissemination/exchange of information among participants at ICID work body meetings, especially the Chairs and Secretaries for management of information flow.

6. VPH Felix Reinders, Chair, PCTA utilized the occasion to present how the workbodies under PCTA are organized under strategy themes led by Co-Theme Leaders, who are Vice Presidents of ICID. He again stressed the need to improve the functioning of ICID workbodies in achieving their mandates and the ways and means to make them more interesting. He emphasized the need for the presence of the Chairs of the workbodies, who are ex-officio members of PCTA, at the PCTA meeting in order to report the outcome of the meetings of their respective workbodies which would eventually help PCTA in making appropriate recommendations to the Council. He emphasized how the WGs could provide their input and realize the Action Plan 2030 which aimed to meet the needs of NCs and finally briefed on Knowledge Management.

7. VPH Dr. Huseyin Gundogdu, Chair, PCSO introduced the approach towards developing / formulating the Action Plan 2030 and exhorted the NCs to respond to the Questionnaires which were circulated to ascertain their needs and potential contributions towards the Action Plan, in view of the fact that only 18 out of 60 NCs responded to the Questionnaire. The NC response will also help Consultative Group to formulate a realistic assessment as part of the exercise undertaken by the Task Force to Revitalize ICID Membership Network. He pointed out that the Action Plan would be discussed at the WG meetings, Regional WG meetings and meetings of ICID NCs with Office Bearers to enable all stakeholders/members to provide their inputs to develop an inclusive Action Plan.

IEC Minutes Item 3: Presentation by the National Committees: Sri Lanka and Morocco

8. Eng. Janaki Meegastenna Secretary of Sri Lankan National Committee of ICID briefly presented the activities of SLNCID and went on to highlight the water resources management and water saving strategies, food production and challenges faced by Sri Lanka on account of climate change, and key project activities identified for Development of Basin Investment Plans (DBIP). Eng. Janaki's presentation on Sri Lankan scenario of irrigation management was highly useful to the participants. The detailed write-up and the PowerPoint presentation are available at <http://www.icid.org/prstn_slncid.pdf>.

9. Prof. Dr. Abdelhafid Debbarh, Vice President, ICID presented the National Committee presentation on behalf of l'ANAFIDE. He provided an insight into how the Moroccan NC is organized, by providing its objectives, organogram, membership structure, participation in ICID meetings etc. In the second part, VP Debbarh covered the irrigation scenario in Morocco – evolution, challenges and perspectives. He concluded the presentation by providing the lessons that can be learnt from Moroccan experience. The PowerPoint presentation made by VP Debbarh is available at <http://www.icid.org/prstn_anafide.pdf>.

IEC Minutes Item 4: Report on Presentation of WatSave Awards, Best Paper Award and recognition of HIS

IEC Minutes Item 4.1: Presentation of the Award for the Best Paper in the ICID Journal "Irrigation and Drainage"

10. PH Prof. Dr. Bart Schultz announced that out of the papers published in the ICID Journal "Irrigation and Drainage" during the year 2015, the Best Paper Award for 2016 was given to Ludivine Pradeleix, Philippe Roux, Sami Bouarfa, Bochra Jaouani, Zohra Lili-Chabaane and Veronique Bellon-Maurel for their paper titled "Environmental Impacts of Contrasted Groundwater Pumping Systems Assessed by Life Cycle Assessment Methodology: Contribution to the Water–Energy Nexus Study" that was published in the issue 64.1 of the Irrigation and Drainage Journal published as the flagship Journal of ICID by M/s Wiley and sons.

11. President handed over the award to the winners.

IEC Minutes Item 4.2: Presentation of WatSave Awards

12. PH Dr. Gao Zhanyi (China), Chair of the Panel of Judges constituted for the evaluation of the nominations received for WatSave Awards 2015, presented his report to the Council, introducing the works for which the Awards would be presented. He announced that the WatSave Award for Technology was being presented for "Innovation and Extension of Sprinkler and Micro Irrigation Technologies in China" to Prof. Li Jiusheng (China). He announced that the WatSave Award for Innovative Water Management was awarded for "Innovation, Implementation and Extension of the Water Saving Integrated Smart Farming – AWDI Technique in Thailand" to Mr. Va-Son Boonkird and Dr. Watchara Suiadee (Thailand) as the joint winners. Dr. Mohamed El-Hagarey (Egypt) was adjudged the winner of WatSave Young Professional Award for his work "Save Irrigation Water Using the Innovative Machine of Soil and Water Management for Rice Crop Cultivation (SWMR)" and Mr. Chandra Shekhar

H. Bhadsavle, Mr. Changdev K. Nirguda and Mr. Anil D. Nivalkar (India) were adjudged the joint winners of this year's WatSave Farmer Award for their work "Saguna Rice Technique – Zero Till, Conservation Agriculture".

13. President handed over the plaques to the winners while the cheques of US\$ 2000 each to the WatSave Award winners were presented by Mr. Satit Maneepai, VP, THAICID on behalf of THAICID. President thanked THAICID for the financial support for the WatSave Awards for 2016.

IEC Minutes Item 4.3: Recognition of Heritage Irrigation Structures (HIS)

14. Based on the recommendation of the Chair of the Panel of Judges VPH Dr Huseyin Gundogdu, the Council approved the inclusion of the identified heritage irrigation structures, as given in **Annex 2 (page 29)** in the ICID Register of 'Heritage Irrigation Structures'. Some of the representatives of organizations managing these structures received the plaques in person while the NCs were handed over 'Certificates' and 'Plaques' to the rest of the HIS.

Second Session: 12 November 2016, 09:00 – 13:15 hours

IEC Minutes Item 5: Action Taken Report on the decisions of 66th IEC and the decisions taken by the Management Board

15. The Council noted that the actions have been either initiated or completed on all the decisions taken by the 66th IEC during the year. The Secretary General presented to 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. The Council endorsed the decisions of MB as given in **Annex 3 (page 30)**.

IEC Minutes Item 6: Report by the Secretary General

16. Secretary General Er. Avinash C. Tyagi presented the Annual Report 2015-16, (which had already been sent to the NCs) bringing out physical and financial progress on activities undertaken during the period from April 2016 till the date of the Council meeting in Chiang Mai, including the report on cooperation and collaboration with various international organizations. SG informed that presently, CO was sending two hard copies of the AR to all the NCs while the soft copy of AR is made available on the website. He urged the NCs to disseminate the AR to the relevant authorities, in order to inform them of the role being played by ICID as a network and the NCs own contribution. He also informed that the Ambassadors of the member countries in New Delhi are also being provided one copy of the AR starting this year which has been appreciated by some of the Missions. Members appreciated the contents and get up of the AR and suggested that a brief and lighter version of the AR should be prepared in the form of Executive Summary which can be widely circulated and shared by NCs with their stakeholders.

17. Secretary General informed the Council about the increased usage of internet in organizing virtual meetings of workbodies, management board, various technical committees, task forces, etc. SG urged workbody chairs and members to utilize this platform for organizing meetings in between IECs to take stock of their activities. SG then briefed the Council about the publications, including periodicals and e-publications, brought out by ICID and requested the members to contribute articles from their respective countries to share their work/activities. He urged WGs to share the technical outcomes of their meetings in the form of short articles for ICID News, which addressed multi-disciplinary stakeholders and encourage researchers in sharing their findings by making use of this platform and ensure inter-disciplinary exchange in AWM.

18. SG gave a brief account on ICID Website and ILMS. He urged the NCs to encourage the companies and service providers in their countries avail I&D Products and Services Directory which can provide their products and services, wider publicity absolutely free. This service can serve as a means to provide the current and potential private businesses in AWM sector benefits from the membership of NC.

19. SG informed that during the period under report, ICID closely collaborated with FAO, IWMI and ADB in addition to those reported in Annual Report 2015-16 to fulfil common objectives. The Council appreciated the support of WMO and African Asian Rural Development Organization (AARDO) in supporting the participation of Young Professionals in various activities of ICID.

IEC Minutes Item 7: Presentation on Strategy Theme "On-Farm"

20. Co-Theme Leader of Strategy Theme "On-Farm", VP Bong Hoon Lee (Korea) reviewed the activities of Working Groups under the Theme "On-Farm", analyzing the work undertaken by the work bodies under respective strategy themes and identifying gaps, in fulfilling the objectives of ICID relating to that theme as well as exploring/using interconnections with other themes. The presentation undertook creative analysis of functioning of

ICID workbodies, their success in achieving mandates and invigorating them within the framework of ICID mission and objectives.

21. VP Lee emphasized that the role of working groups under the theme “On-Farm” viz. WG-SON-FARM, WG-CROP and WG-PQW was of particular importance. Some of the points highlighted and recommendations made in the presentation are as follows:

- (a) To enhance water and irrigation efficiency, there is need for close cooperation among various organizations and in this direction active participation of various organizations in ICID WGs is recommended.
- (b) ICID should act as an open platform to facilitate communication among all relevant stakeholders, and NCs should encourage participation of various organizations engaged in AWM within their countries and in their region.
- (c) The accumulated knowledge, experience, expertise and technologies should be shared among NCs through various publications being brought out by ICID and other organizations. In this connection NCs can consider utilizing the services of ‘Technical Support Unit’ to realize the application of technology and experiences to the field.
- (d) ICID should foster YPs as future leaders and undertake regular capacity-development program for them. In order to achieve sustainable, stable, and long-term capacity-development of YPs, ICID may seek support of the donor partners and also designate few regional training institutes from among members.
- (e) For financial sustainability of NCs, active promotion of private sector’s participation need to be promoted by ICID as well as NCs. The private companies should be encouraged to become ‘Direct Members’ of ICID so that ICID could, support some NCs financially and new guideline may be developed, if needed for the purpose. Private companies may not hesitate in participating in ICID activities if they can find the business opportunities on the worldwide platform of water (irrigation and drainage) through ICID international network. ICID needs to consider the proper way to derive their active participation.

22. The presentation made by the strategy theme Co-Leader is available at **Annex 4 (page 31)** and PowerPoint presentation is available at http://www.icid.org/prstn_onfarm_vp_bglee.pdf.

IEC Minutes Item 8: International Research Program for Irrigation and Drainage Scheme

23. VPH Felix Reinders, Chair, AC-IRPID presented the revised IRPID Scheme, giving its vision, mission, objectives, organizational structure, coordination mechanism etc. based on the suggestions received during the meeting of the Management Board of Regional Node – Tehran held in August 2016 and approval of the ICID Management Board. He sought the Council’s approval to the revised IRPID scheme which envisages to have 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. After deliberations, the Council adopted the revised IRPID Scheme (**Annex R3.1, page 23**) vide **Resolution IEC-3/67 (page 11)**

IEC Minutes Item 9: World Water System Heritage (WSH) Program

24. Secretary General apprised the Council about the World Water System Heritage (WSH) program that is set to be launched at the 60th Board of Governors (BoG) meeting of World Water Council (WWC) in Marseille, France in November 2016 as a joint member initiative with the World Water Council. He briefed the Council about its genesis and aims and objectives as well as organizational structure. He informed the Council that ICID Central Office has been designated as the Secretariat for WSH Program and its operational modalities are still being worked out. The Council approved the arrangement for the Central Office of ICID to function as WSH Secretariat.

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

IEC Minutes Item 10.1: Permanent Finance Committee

25. VPH Laurie Tollefson, Chairman, PFC presented to the Council, the Report of the 37th meeting of the PFC held on 10 November 2016 at Chiang Mai, Thailand. The Report of PFC is given at **Appendix I (page 41)**.

26. The Chair of PFC, who is also the Chair of TF to Review the Membership Structure and Annual Membership Subscription Formulae (TF-AM), informed that an in-depth study of long term financial sustainability of ICID needs to be undertaken considering various income and expenditure components. Therefore, the TF had authorized SG to engage a consultant to develop a resource mobilization strategy for ICID and its long-term financial sustainability. TF expects to finalize its report by April/May 2017.

IEC Minutes Item 10.2: Permanent Committee on Strategy and Organization

27. VPH Dr. Huseyin Gundogdu, Chairman, PCSO presented to the Council, the Report of the 27th meeting of PCSO held on 10 November 2016 at Chiang Mai, Thailand. The Report of PCSO is given at **Appendix II (page 47)**. Among other recommendations of PCSO, the Council approved the course of action proposed for the finalization of ICID Action Plan 2030 which is dealt under item 11 of the IEC minutes.

28. The Council, on the recommendation of the President, approved the nomination of VP Bong Hoon Lee of Korea, as Chair of PCSO, in compliance with ICID By-laws 3.9.5(c) as the present Chair VPH Huseyin will be completing his term of four years as member of PCSO with the conclusion of Chiang Mai meetings.

29. The Council while considering broad recommendations of TF-REV based on the recommendations of PCSO, approved the TF's suggestion of dual membership for National Committee members in the National Committee as well as in ICID with a single subscription and requested Secretary General to come up with appropriate amendments in ICID Constitution and By-laws consequent upon this decision and present the same in the 2017 meeting of the Council in Mexico City.

IEC Minutes Item 10.3: Permanent Committee for Technical Activities

30. VPH Felix Reinders, Chairman, PCTA presented to the Council, the Report of the 36th meeting of PCTA held on 11 November 2016 at Chiang Mai, Thailand. The Report of PCTA is given at **Appendix III (page 51)**. The Council approved the nomination of VP Dr. Ding Kunlun, as Chair of PCTA in accordance with ICID By-law 3.9.4(b).

31. The Council recalled that the registration fee structure for various ICID events has been constant for last five years and the financial feasibility of the events for the host NCs has to be kept in mind. SG also clarified that the special contributions being made by the host NCs to the ICID budget were being ploughed into supporting the activities of the ICID events.

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

32. The Council deliberated on the recommendations and Reports of PFC, PCSO and PCTA together in totality. The Council adopted resolutions on the Financial Matters of ICID presented through PFC Report, and on the Organizational and Technical Matters of ICID presented through the PCSO and PCTA Reports, placed at **Resolution IEC-1/67 (page 9)** and **Resolution IEC-2/67 (page 10)**, respectively.

33. Based on the PFC report presented by Chair VPH Tollefson, the Council approved the admission of Somalia National Committee on Irrigation and Drainage (SONCID) as a member of ICID. Secretary General of SONCID Mr Abdullahi Hassan Hussein thanked the Council for admitting Somalia as the newest member and FAO for their support.

34. The Council approved the Audited Accounts of ICID for FY 2015-16 as given in **Annex R1.1 (page 13)**, and the Revised Budget for FY 2016-17 and the Budget for FY 2017-18 as given in **Annex R1.2 (page 17)**.

35. The Council approved Registration Fee Structure for the already approved events 13th International Drainage Workshop, Ahvaz City, Khuzestan Province, Iran, 4-7 March 2017; 68th IEC and 23rd Congress on Irrigation and Drainage, Mexico City, Mexico, 8-14 October 2017; 8th Asian Regional Conference, Kathmandu, Nepal, 2018; 69th IEC & 5th American Regional Conference, Saskatoon, Canada, 12-17 August 2018; and 9th International Micro Irrigation Conference, Aurangabad, India, 2019 as given in **Annex R1.3 (page 18)**. The registration fee structure for the forthcoming events that have been approved later during the meeting under Agenda Item 15 was also approved and presented in **Annex R1.3**.

36. The Council approved the membership changes of various workbodies under PCSO and PCTA, including the changes in the membership of PCTA as given in **Annex 5 (page 33)**. The consequent consolidated membership of all workbodies is available at <http://www.icid.org/mbrship_cntrywise.pdf> both format – workbody-wise and country-wise.

37. VPH Ragab Ragab raised the issue of non-participation of members in the WG meetings which in his opinion was mainly due to too many parallel sessions going on. He also suggested that one half-day session should be used for taking the participants for sight-seeing. Chair PCTA drew the attention of the Council to the need for making the WGs sessions more interesting and completing the routine works through WebEx. He pointed out that some of the WGs were having very good attendance. He drew the attention of the Council to the report of ST leader VP Charlotte presented to PCTA.

38. VPH Ragab Ragab also pointed out that people were unable to join ICID meetings due to high registration fee and the long duration of ICID events. It was clarified that the registration fee for the ICID events is largely within the purview of the Host NCs as they have also to ensure that the event is financially viable. Dr Ragab suggested two tier system of registration fee structure. It was informed that Task Force dealing with the issue of rate of subscription and the long-term financial sustainability of ICID was already dealing with such issues. After deliberations, the Council decided to constitute a Task Team (TT) on Registration Fee for ICID Events under the Chairmanship of Chair of PFC VPH Laurie Tollefson. The other members of the team would be Chairs of the Regional Working Groups, representative of TF-REV, representatives of the host NCs that have and will be organizing events between 2014 and 2019. In addition, VPH Ragab Ragab, VP Debbbarh and VPH Dr Adama Sangare were specially invited. The TT will find ways and means to optimize costs and benefits of participation and organization of ICID Events. The TT will submit its report to PFC in Mexico.

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

40. Based on the report of PCTA, the Council approved the revised composition and mandate for SC-E-THEMES. The Council also approved the permanent mechanism suggested by SC-E-THEMES and recommended by PCTA, for formulating themes and topics for various ICID events as given in **Annex R2.1 (page 19)**.

41. The Council approved the theme - 'Innovative and Sustainable Agri-Water Management: Adapting to a Variable and Changing Climate' and topics - (a) Competing Water Demands, (b) Resilient Agriculture and (c) Irrigation in Perspective, for the American Regional Conference to be held in Saskatoon during the 69th IEC Meeting in 2018.

42. As per the recommendations of PCTA which considered the scoping documents for establishment of new workbodies, the Council approved the setting up of two new workbodies, viz. (i) TF for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD), (ii) WG on Water for Bio-Fuel and Food (WG-BIO-FUEL). The mandates for these newly established and re-constituted workbodies are given at **Annex R2.2 (page 20)**.

43. The Council noted that following WGs are in the process of finalizing/have finalized their revised mandates: (i) WG on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST), (ii) WG on Sustainable Development of Tidal Areas (WG-SDTA); (iii) WG on Use of Poor Quality Water for Irrigation (WG-PQW); (iv) WG on History of Irrigation, Drainage and Flood Control (WG-HIST); (v) WG on Comprehensive Approaches to Flood Management (WG-CAFM) as WG on Adaptive Flood Management (WG-AFM); (vi) WG-DROUGHT as WG on 'Managing Water Scarcity under Conflicting Demands (WG-MWSCD) ; and (vii) WG on Value Engineering (WG-VE). The Council recalled the concern raised by members from time to time about the poor attendance of members in certain WGs and the need for limiting the number of parallel meetings of WGs. It therefore desired that the revised Scoping Documents of the WGs with revised mandates or extension of the WGs with revised mandates need to be circulated among the NCs to ascertain their interest in the establishment/ continuation of these WGs.

44. Based on the recommendation of PCTA, the Council approved the setting up of a High Level Advisory Group on "Partnerships for Agriculture Water Management" and also to establish a dedicated Task Force to provide support to the High Level Advisory Group as the Council felt the need to adequately recognize the recommendations made by the Ministerial Roundtable on 'Delivering SDG's through Agriculture Water Management' held on 06 November 2016 as given in **Annex R2.3, (page 21)**.

Third Session: 12 November 2016, 14:00 – 18:30 hours

IEC Minutes Item 11: ICID Vision 2030 – To Develop an Action Plan 2030

45. VPH Dr. Huseyin Gundogdu, Convenor, Consultative Group (CG) presented the Draft Report on ICID Action Plan 2030. He informed the Council that the focus of the ICID Action Plan 2030 is to provide support to NCs in their contribution to fulfil the Sustainable Development Goals (SDGs) related to Agriculture Water Management (AWM). He also emphasized that inputs from ICID Work Bodies to identify actions to achieve six Organizational Goals in their area of activities is also essential for developing the Action Plan 2030.

46. With this aim, CG had formulated and circulated two Questionnaires – one to ascertain the needs of NCs and other to identify actions from WGs in their realm of activities to support the needs of NCs– for circulation among NCs and WBs. Inputs had been received from 21 NCs and five WBs. Based on the information gathered, the CG

had prepared a Draft Report on ICID Action Plan 2030 which was circulated among the National Committees on 10 October 2016 (See Annex S4, page 47 of 67th IEC Agenda). The Council noted that the Draft Action Plan had been presented and discussed at different work body meetings during the meeting. Some of the WGs had also discussed and provided inputs. However, after the discussions during the meeting a number of WGs as well as NCs had expressed the need to provide them time to give their inputs.

47. In view of the above, the Council endorsed the following time line suggested by the convener of CG for finalizing the ICID Action Plan 2030:

- (a) 15th January 2017 New inputs from NC and WGs
- (b) 1st March 2017 CG to finalise 2nd draft Action Plan 2030 and send to MB approval
- (c) 15 March 2017 Approval by MB of 2nd draft Action Plan
- (d) 1st April 2017 Send approved 2nd draft Action Plan to all NCs for their comments and suggestion, if any within 45 days
- (e) 15 May 2017 Finalization and approval of revised Action Plan 2030 incorporating suggestions and comments of NCs and its approval by MB

IEC Minutes Item 12: Task Force on Revitalization of ICID Network

48. In pursuance of the Council's decision at Montpellier IEC meeting, a Task Force has been set up to study the reasons responsible for the gradual withdrawals of National Committees (NCs) from Europe from the membership of ICID and other issues faced by the NCs, with a broadened scope, under the chairmanship of Chair, PCSO. The inputs received from the questionnaire sent by CG for ICID Action Plan 2030 were used in analyzing the situation in various NCs and the kind of support they needed. Vice Presidents of ICID have been involved in the process to undertake specific issues related to each sub-region allocated to them.

49. The Chair of the TF, VPH Dr. Huseyin Gundogdu presented the report of TF, also presented earlier during various work body meetings, to the Council together with the broad recommendations as given in **Annex 6 (page 40)** which have been accepted by the Council. The Chair sought more time, as the information gathered is not sufficient to complete its mandate, and TF expects to finalize the report by May 2017. The Council asked the TF-REV to present its final report at the 68th IEC meeting in Mexico City in 2017. The Council requested Secretary General to come up with the required changes in ICID Bye-Laws, where required, in order to accommodate the recommendations of the Task Force.

IEC Minutes Item 13: Task Force on Annual Membership Subscription Formulae

50. As per the decision of 66th Council meeting in Montpellier last year, a Task Force to Review the Membership Structure and Annual Membership Subscription Formulae has been set up under the chairmanship of Chair, PFC. The TF presented an interim report under item 11 of PFC meeting on 10 November 2016 and informed the Council that it would complete its task by May 2017.

IEC Minutes Item 14: Technical Support Unit – An Update

51. The establishment of TSU has been notified to NCs on 4 January 2016 vide Notification No.4 of 2016 (see Annex 3, page 11 of 67th IEC Agenda), giving its objective, scope, funding and mechanism. One of the unique features of the TSU is that it will be a unit with a nucleus located in the Central Office but mainly running on the voluntary contributions from the national experts. Following the notification, the NCs have been requested to nominate experts, giving the terms of reference for engaging them as part of TSU program in the prescribed application form (see Annex 4, page 13 of 67th IEC Agenda). VP Lee, KCID informed Council that KCID is in the process of deputing one expert to TSU for a period of six months or so.

52. The Council was apprised of the study undertaken by the fact finding mission to DPRK "**To assess capacity development needs for better agriculture water management in DPRK**" so as to support the capacity development in the country for better agriculture water management. This study has been undertaken in response to the request of Embassy of Democratic People's Republic of Korea (DPR Korea) on behalf of their Government.

53. The Council appreciated the study undertaken by the fact finding mission and exhorted the NCs to nominate experts for engaging them under TSU Program in order to operationalize it.

IEC Minutes Item 15: Status of Future ICID Conferences / Congresses / Forums

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

- (a) 13th International Drainage Workshop, Ahvaz City, Khuzestan Province, Iran, 4-7 March 2017
- (b) 68th IEC and 23rd Congress on Irrigation and Drainage, Mexico City, Mexico, 8-14 October 2017
- (c) 8th Asian Regional Conference, Kathmandu, Nepal, 2018
- (d) 69th IEC & 5th American Regional Conference, Saskatoon, Canada, 12-17 August 2018
- (e) 9th International Micro Irrigation Conference, Aurangabad, India, 2019

55. Representative of IRNCID, MXCID, NENCID, CANCID and INCSW presented the status of preparations for holding the above events.

56. The Council thereafter considered the proposals presented by the NCs of Indonesia and Iran for 70th IEC and 3rd World Irrigation Forum in 2019. The Council decided to take a secret ballot on the selection of venue which resulted in a tie. Later based on the draw of lots, the Council declared Bali, Indonesia as the venue for hosting 70th IEC and WIF3 in 2019.

57. The representative of Irrigation Australia Ltd. presented their bid for hosting 71st IEC and 24th ICD Congress on Irrigation and Drainage in Sydney, Australia in September 2020. Based on their presentation, the Council approved the bid by Australian NC to host the 71st IEC and 24th ICID Congress in Sydney, Australia.

IEC Minutes Item 16: Election of the Office-Bearers 2016-2019

58. The Council was informed that as per Article 7.2.4 of the ICID Constitution, the 3-year term of Office (2013-2016) of Vice Presidents Dr. Ir. Basuki Hadimoeljono (Indonesia), Mr. Kadhim Mohsin Ahmed (Iraq) and Er. A.B. Pandya (India) would conclude by the end of the 67th IEC and its adjunct study tours.

59. The Council noted that in response to the Central Office's circular inviting nominations for the positions of Vice President for the term 2016-2019, four nominations were received in the Central Office – Dr. Brian T. Wahlin (USA), Mr. Waseem Nazir (Pakistan), Dr. Irene G. Bondarik (Russia) and Mr. Madhav Belbase (Nepal) – by due date of 12 July 2016.

60. Since USCID has withdrawn the candidature of Dr. Brian T. Wahlin, the Council decided to hold the voting to determine the seniority of the Vice Presidents in accordance with ICID By-laws 2.8. Based on the voting, Dr. Irene G. Bondarik (Russia), Mr. Waseem Nazir (Pakistan) and Mr. Madhav Belbase (Nepal) have been declared as Vice Presidents elected in the order of their seniority for the term 2016-2019. As per Article 7.2.4, of ICID Constitution, the term of VPs elected at the 67th IEC meeting shall begin at the conclusion of the present Council meeting and its appurtenant study tours and expire at the conclusion of the 70th Council meeting and its appurtenant study tours in the year 2019.

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

IEC Agenda Item 17.1: Retiring Vice Presidents

61. Citation plaques were presented to three retiring Vice Presidents -- Dr. Ir. Basuki Hadimoeljono (Indonesia), Mr. Kadhim Mohsin Ahmed (Iraq) and Er. A.B. Pandya (India) – for their services to further ICID activities during their tenure 2013-2016. The plaques have been received by their respective NC representatives.

IEC Agenda Item 17.2: Retiring Chairs of Workbodies

62. The retiring Chairpersons of Workbodies -- VPH Felix B. Reinders (South Africa), Chairman, PCTA (2011-2016); VPH Dr. Hüseyin Gündoğdu (Turkey), Chairman, PCSO (2014-2016) and Dr. Sylvain Perret (France), Chairman, WG-ENV (2011-2016) – were honored with the presentation of citation plaques for their commendable guidance to the activities of the concerned workbodies.

IEC Minutes Item 18: Any other business

63. The President declared the 67th IEC meeting closed.



Resolution IEC-1/67 [IEC Item 10.4, Para 32]**INTERNATIONAL EXECUTIVE COUNCIL****RESOLUTION IEC-1/67: FINANCIAL MATTERS OF ICID****THE Council**

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

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

Considering the recommendation of the Management Board;

Decides Unanimously

1. To approve the nominations of Mr. Ali Reza Salaamat (Iran) as member and Mr. Hazim Ibrahim Othman Mohammed (Iraq) as provisional member of PFC.
2. That the following persons, institutions and companies 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 the subscription.
 - (i) Dr. Ashish Pandey (India)
 - (ii) Prof. Umesh C. Chauhebe (India)
 - (iii) Asian Development Bank (Philippines)
 - (iv) Dr. R. Mahesh (India)
 - (v) Central Board of Irrigation and Power (India)
3. That the National Committee of Czech Republic be declared as “Associate Member” from 1 January 2017 (if they do not clear their dues by 31st December 2016) as they have failed to contribute ICID subscription for last three years in accordance with By-law 13.2.
4. The National Committee with arrears of more than 2 years, viz. Brazil, Italy, Malaysia, Nigeria, Saudi Arabia, Spain and Zimbabwe be debarred from holding office of VP or be a member of Workbody from 1st Jan 2017, if they do not clear their dues by that date, in accordance with By-law 13.1.
5. To approve admission of Somalia as a member of ICID in accordance with ICID By-law 9 governing application for membership.
6. To approve the Audited Accounts of ICID for the Financial Year 2015-16 as given in **Annex R1.1, page 13**.
7. To approve the Revised Budget of ICID for the Financial Year 2016-17 and the Budget for the financial year 2017-18 as given in **Annex R1.2, page 17**.
8. To approve the Registration Fee Structure for the forthcoming ICID events as given in **Annex R1.3, page18**.

Appreciates

1. The NC of France for contributing the appropriate share of the registration fee for the 26th ERC and 66th IEC to the ICID Budget.
2. The Ministry of Water Resources, People’s Republic of China and Chinese National Committee of ICID (CNCID) for providing a grant of US\$ 63,480 for carrying out various ICID activities during the Financial Year 2015-16.
3. The Korean National Committee of ICID (KCID), for providing financial support of US\$ 15,000 for various activities of the Commission.
4. KCID, World Meteorological Organization (WMO) and African Asian Rural Development Organization (AARDO) for supporting participation of Young Professional in various activities of ICID.



Resolution IEC-2/67 [IEC Item 10.4, Para 32]

INTERNATIONAL EXECUTIVE COUNCIL**RESOLUTION IEC-2/67: 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; and

Considering the endorsement by the Management Board;

Decides unanimously

1. To approve the setting up of a permanent mechanism to select themes for various ICID events such as triennial International Congresses on Irrigation and Drainage, triennial World Irrigation Forums, International Micro Irrigation Conferences, International Drainage Workshops and Regional Conferences as given at **Annex R2.1, page 19**.
2. To approve hosting of the Secretariat for World Water System Heritage program being implemented in collaboration with World Water Council and other international partners.
3. To approve the new/existing workbodies with revised mandate (**Annex R2.2, page 20**) on the topics:
 - (i) Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD)
 - (ii) Working Group on Water for Bio-Fuel and Food (WG-Bio-Fuel)
 - (iii) Working Group on Irrigation Development and Management (WG-IDM)
4. To approve the closure of WG-DROUGHT and WG-CAFM.
5. To extend the tenures of WGs on TF-REV, WG-IDSST, WG-SDTA, WG-HIST and WG-PQW for one more year.
6. To approve the proposal of INACID to host 3rd World Irrigation Forum and 70th IEC Meeting in Bali, Indonesia in October 2019; and the proposal of IACID to host 24th ICID Congress and 71st IEC meeting in September 2020, Sydney, Australia.
7. To endorse the setting up of High Level Advisory Group as per the declaration of Ministers' Meeting held during the Second World Irrigation Forum, from 6-8 November 2016 in Chiang Mai, Thailand for "Delivering SDGs through agriculture water management" (**Annex R2.3, page 21**).
8. To approve the setting up of a dedicated Task Force to provide support to the High Level Advisory Group and requests Management Board to take follow up action.

Requests

1. National Committees take full advantage of its establishment of the Technical Support Unit (TSU)
2. National Committees to contribute towards the Fund created for undertaking activities of TSU and encourages NCs to depute volunteers from time to time to undertake the activities of TSU.
3. Secretary General to consolidate Guidelines for the organization of World Irrigation Forum.

Appreciates

4. The Korean National Committee of ICID (KCID), to support the activity of TSU and providing funds for undertaking the activity in Democratic People's Republic of Korea.



Resolution IEC-3/67 [IEC Item 8, Para 23]

INTERNATIONAL EXECUTIVE COUNCIL

RESOLUTION IEC-3/67: REVISED INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION AND DRAINAGE (IRPID) SCHEME

THE Council

Considering the Report of the Advisory Committee on IRPID (AC-IRPID) set up by the MB as part of the IRPID Scheme notified in April 2016 and in view of the inputs received from the regional nodes of IRPID,

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

Decides unanimously

1. To adopt the Scheme for International Research Program for Irrigation and Drainage (IRPID) as given in **Annex R3.1, page 23.**



INDEPENDENT AUDITOR'S REPORT

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

To

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

Report on Financial Statement

We have audited the accompanying financial statements of **International Commission on Irrigation and Drainage (ICID)** ("**the society**"- **PAN AAAAI1084P**), which comprises the Balance Sheet as at 31st March, 2016, Income and Expenditure and Receipts and Payments for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management Responsibility for the Financial Statement

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 also includes maintenance of adequate accounting records in accordance with the provisions of the Societies Registration Act, 1860 for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, 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 entity'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 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 aforesaid financial statements give the information required by the Act in the manner so required (except matters stated in observation) and give a true and fair view in conformity with the accounting principles generally accepted in India.

- (a) in the case of the Balance Sheet, of the state of affairs of the Society as at 31st March, 2016; and
- (b) in the case of the Income and Expenditure account, of the excess of Income over expenditure for the year ended on that date; and
- (c) in the case of the of the Receipt and Payments Account, of the Receipts and Payments for the year ended on that date.

1. 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 account 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 & Expenditure, and Receipt & Payments dealt with by this Report are in agreement with the books of accounts.
- (d) In our opinion, the Balance sheet, Income & Expenditure, comply with the relevant Accounting Standards.

For **P.K. Chopra & Co.**
Chartered Accountants
Firm Registration Number: 006747N

Place: New Delhi
Date: 27/05/2016

Sd/-
Tarun Kandhari
Partner
Membership Number: 074852

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
BALANCE SHEET AS ON 31ST MARCH 2016

PARTICULARS		2015-16 Amount INR₹	2014-15 Amount INR₹
Assets			
Property & Equipment	1	11,413,117	12,381,385
Receivables	2	12,969,440	12,495,808
Stock of Publications	3	241,800	273,600
Bank Balances & Cash in Hand	4	67,442,621	61,413,339
Subscription Accrued		3,083,580	2,815,942
Total Assets		95,150,558	89,380,074
Liabilities			
Gulhati Memorial Lecture Fund	5	362,618	335,603
General Fund	6	48,890,317	51,352,443
Gratuity Fund	7	9,340,742	1,964,010
Corpus Fund-WID Prizes	8	1,644,395	1,218,306
Project Funds	9	228,913	2,604,205
Security from Tenant	10	21,230,000	19,310,000
Subscription Received in Advance	11	2,939,243	2,598,300
Payables & Provisions	12	10,496,051	9,916,016
Taxes Payable	13	18,279	81,191
Total Liabilities		95,150,558	89,380,074

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/-
TarunKandhari
Partner
Membership No. 074852

Sd/-
Vijay K. Labhsetwar
Director

Sd/-
Avinash C. Tyagi
Secretary General

Places: New Delhi

Dated: 27thMay 2016

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE**RECEIPT AND PAYMENT ACCOUNT**For the Year from 1st April 2015 to 31st March 2016

PARTICULARS		2015-16 (Amount INR₹)	2014-15 (Amount INR₹)
RECEIPTS			
Cash & Banks (balance brought forward)	27	61,413,339	35,609,945
Membership Subscriptions	28	14,176,234	11,449,326
Sale of Publications	29	823,217	1,493,594
Special Contribution to the Budget	30	2,081,507	11,529,812
Interest on Fixed Deposits	31	4,805,032	2,699,714
Project Funds Received	32	6,270,123	4,299,686
Other Receipts	33	7,017,318	1,276,182
Rent and Maintenance Charges		39,027,627	38,579,975
Income Tax Refund	34	4,405,085	-
Total		140,019,482	106,938,235
PAYMENTS			
Salaries and Allowances	35	18,371,843	15,912,047
Compensation package for Secretary General		3,320,081	2,870,441
Superannuation Relief to Retired Employee		3,013,507	3,018,191
Professional & Other Services Charges	36	2,379,459	2,678,540
Repair & Maintenance	37	2,757,224	2,050,089
Taxes and Utilities	38	23,754,878	3,728,611
Rehabilitation & Refurnishing		1,104,185	5,243,976
Publication, Printing and Distribution	39	2,884,876	2,637,220
Conference Expenditure	40	1,094,678	1,392,295
Travelling Expenses	41	2,493,886	612,412
Project Funds Utilized	32	7,969,198	3,464,055
Others	42	93,627	144,396
Purchase of Fixed Assets	43	624,158	1,659,531
Workshop and Trainings		2,715,261	-
UNESCO IHE Online Course Sponsorship		-	113,092
Cash & Banks (balance carry forward)	27	67,442,621	61,413,339
Total		140,019,482	106,938,235

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and DrainageFor P.K. Chopra & Co.
Chartered Accountants
Firm Registration No. 006747NSd/-
TarunKandhari
Partner
Membership No. 074852Sd/-
Vijay K. Labhsetwar
DirectorSd/-
Avinash C. Tyagi
Secretary General

Places: New Delhi

Dated: 27thMay 2016

**APPROVED REVISED BUDGET 2016-2017, APPROVED BUDGET 2017-2018 AND
PRELIMINARY BUDGET 2018-2019 AND FORECAST BUDGET 2019-2020**

	Approved Revised Budget 2016-2017	Approved Budget 2017-2018	Preliminary Budget 2018-2019	Forecast Budget 2019-2020
I. RECEIPTS				
1. Membership Subscriptions	17,984,000	17,029,000	18,145,000	18,273,000
2. Sale of Publications	934,000	1,025,000	1,124,000	1,233,000
3. Special Contribution to ICID Budget	8,396,000	7,555,000	4,128,000	9,000,000
4. Interest on Fixed Deposits	5,110,000	4,810,000	4,810,000	5,110,000
5. Other Receipts	3,903,000	1,400,000	1,400,000	1,400,000
6. Rent and Maintenance Charges	47,726,000	49,264,000	49,264,000	57,907,000
Total Receipts	84,053,000	81,083,000	78,871,000	92,923,000
II. EXPENDITURE				
1. Compensation Package for Secretary General	4,567,000	4,836,000	5,417,000	6,068,000
2. Salaries and Allowances	25,763,000	31,356,000	30,327,000	33,655,000
3. Superannuation Relief to Retired Employees	3,493,000	3,805,000	4,262,000	4,774,000
4. Service & Maintenance	6,070,000	6,237,000	6,528,000	6,898,000
5. Taxes & Utilities	27,099,000	17,551,000	17,583,000	19,880,000
6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building	3,100,000	1,210,000	1,331,000	1,465,000
7. Publication, Knowledge Management and Dissemination	4,005,000	4,157,000	4,121,000	4,795,000
8. Conference Expenditure	3,200,000	3,500,000	2,100,000	2,700,000
9. Cooperation with Other Organisations	196,000	330,000	330,000	330,000
10. Travel Expenditure	2,358,000	2,595,000	2,855,000	3,141,000
11. Purchase of Office Equipments	700,000	750,000	800,000	800,000
12. Workshops, Training and Studies	2,900,000	2,500,000	2,500,000	2,500,000
13. Other Expenditure	240,000	242,000	244,000	246,000
Total Expenditure	83,691,000	79,069,000	78,398,000	87,252,000
Surplus / (Deficit)	362,000	2,014,000	473,000	5,671,000



FEE STRUCTURE FOR ICID EVENTS IN 2017, 2018, 2019 and 2020

Year	2017	2017	2018	2018	2019	2019	2020
Venue	Ahvaz City, Iran	Mexico City, Mexico	Kathmandu, Nepal	Saskatoon, Canada	Aurangabad, India	Bali, Indonesia	Sydney, Australia
Event	13 th IDW	68 th IEC and 23 rd Congress	8 th ARC	69 th IEC and Regional Conference	9 th IMIC	70 th IEC and 3 rd WIF	71 st IEC and 24 th Congress
	Rate	Rate	Rate	Rate	Rate	Rate	Rate
Full registration	\$350	\$800	\$500	\$ 750	\$500	\$800	\$800
Non-member fee	\$ 400		\$650				\$ 900
Young Professionals (International)	\$175	\$400	\$250	\$ 375	\$250	\$400	\$400
Retired professionals (International)	\$150	\$ 400	\$ 250	\$ 375	\$250	\$400	\$400
Accompanying Persons (International)	\$150	\$ 300	\$ 150	\$ 300	\$200	\$300	\$ 300
Local / Delegates	\$150	\$ 500	\$ 150	\$ 400	\$200	\$200	\$800
Young Professionals (Local)	\$ 100				\$100		



PERMANENT MECHANISM TO SELECT THE THEMES FOR VARIOUS ICID EVENTS

The mechanism for evolving the Themes and Topics for Congresses, World Irrigation Fora, International Micro Irrigation Conference, International Drainage Workshops and Regional Conferences of ICID, will be as follows.

1. **International Congresses on Irrigation and Drainage and World Irrigation Forums (WIFs):** Sub-Committee on Themes, Topics and Work Plans of Future ICID Events (SC-E-THEMES)
2. **International Micro Irrigation Conference:** Working Group on Sustainable On-Farm irrigation System Development (WG-SON-FARM) reporting to PCTA
3. **International Drainage Workshops:** Working Group on Sustainable Drainage (WG-SDRG) reporting to PCTA.
4. **Regional Conferences:** The Asian Regional Conference, African Regional Conference, European Regional Conference and American Regional Conference may be formulated by the respective Regional Working Groups and the proposal may be routed through PCTA for Council's approval. The membership composition and terms of references for RTACs may be formulated by the respective RWGs.



MANDATES OF NEWLY ESTABLISHED WORKBODIES**A. TF for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD)**

- (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

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

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

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

REVISE MANDATE OF WORKBODY**C. Working Group on Irrigation Development and Management (WG-IDM)**

- (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).





DECLARATION OF MINISTERS' MEETING

6th November 2016, Chiang Mai, Thailand

Delivering SDGs through Agriculture Water Management



RECOGNIZING that Agriculture Water Management (AWM) is key to enhancing water security, ensuring the sustainability of the surface and groundwater resource, achieving food security in a world confronted by limited natural resources while positively influencing the process of achieving almost all Sustainable Development Goals (SDG);

ACKNOWLEDGING the need for advocacy for enhanced investment, means of sharing experiences, exchange of best practices, and transfer of technologies with focused attention on more effective and sustainable management of agricultural water, setting targets and evolving monitoring mechanism;

NOTING that the International Commission on Irrigation and Drainage (ICID), a professional, voluntary, not-for-profit International Organization, dedicated, inter alia, to enhance the world-wide supply of food and fibre for all people by improving water and land management, through application of irrigation, drainage and flood and drought management for achieving sustainable irrigated agriculture and disaster risk reduction, is supported by more than 60 member countries and serves as the required network;

ACKNOWLEDGING that ICID shares mutual goals of poverty alleviation through food and water security with UN entities Food and Agriculture Organization of the United Nations (FAO), International Fund for Agriculture Development (IFAD), World Meteorological Organization (WMO) as well as other International Organizations such as International Water Management Institute (IWMI), International Crop Research Institute for Semi-arid Tropics (ICRISAT) with participation of Asian Development Bank (ADB) and World Bank (WB), and has a mutual interest and commitment to work for better management of agriculture water and mitigation of water-related disasters caused by floods, droughts, etc., using the latest tools and information;

NOTING that the Paris Climate Conference (COP21) through article 7 of the Paris Agreement established the global goal on adaptation and called upon parties to strengthen their cooperation on enhancing action on adaptation by augmenting adaptive capacity, strengthening resilience and reducing vulnerability to climate change;

NOTING also that the Addis Ababa Action Agenda on Financing for Development calls for investing in sustainable and resilient infrastructure, including for energy, water and sanitation for all, as a pre-requisite for achieving many of our goals, and recognizes South-South cooperation as an important element of international cooperation for development as a complement, not a substitute, to North-South cooperation;

NOTING that Agenda 2030 for Sustainable Development recognizes Partnership as a means of implementing the agenda and encourages the establishment of voluntary partnerships for the achievement of these Goals;

NOTING with appreciation the efforts by FAO to bring sustainable agriculture and food systems to the forefront of the global Climate Change Agenda and the 2030 Sustainable Development Agenda and the partnership initiative on “Coping with water scarcity in agriculture: a global framework for action in a changing climate”;

Ministers, participating in the Second World Irrigation Forum, hosted by the Kingdom of Thailand, based on their deliberations on 6th November 2016 decided to:

- (A) **Establish** a High Level Advisory Group on “Partnerships for Agriculture Water Management” as an action-oriented multi-stakeholder partnership to:
 - (i) Facilitate improving agricultural water productivity, especially in irrigated areas where the competition for water is intensifying and/or water supplies are becoming less reliable;
 - (ii) Support member countries in achieving the SDG targets related to AWM by enabling existing partnerships as well as promoting new partnerships, where required;
 - (iii) Support the UN System efforts in monitoring the progress on related SDGs;
 - (iv) Strengthen the World Irrigation Forum, which provides opportunities for reviewing progress made by existing partnerships with inputs from regional and national partnership dialogues;
 - (v) Advocate strong policy support for higher investments in AWM to ensure food and water security;
 - (vi) Review and provide policy recommendations at the regional level for consideration by relevant regional bodies; and
 - (vii) Use the partnership to share experiences on SDG implementation.
- (B) **Allow** the membership of the High level Advisory Group to be open to all Members of the United Nations and its specialized agencies including multi-lateral development agencies, and will be chaired by a Member State of ICID. The High Level Advisory Group shall meet on a regular basis (at least once a year) and constantly monitor and guide the progress
- (C) **Invite** entities of the United Nations system, international and regional organizations, and major groups, to contribute to the efforts, as appropriate. Countries are to participate on a voluntary basis in national, regional, and global multi-stakeholder dialogues;
- (D) **Encourage** member countries to organize national multi-stakeholder partnership platforms in AWM, where possible through their National Committees affiliated with ICID, which could also contribute to the regional and global multi-stakeholder partnership through existing forums and meetings, where applicable; and
- (E) Recommend ICID to establish a dedicated Task Force to provide support to the High Level Advisory Group.



INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION AND DRAINAGE (IRPID) SCHEME

(Notified Vide Notification No.16 of 2016 dated 27 April 2016)

PART A: PROGRAM

International Research Program for Irrigation and Drainage (IRPID) is conceptualized as a program for developing and implementing research agenda in the irrigation and drainage sector to meet the challenges of water security and food security.

1. Vision

“Intensify Irrigation and Drainage Research to Achieve Global Food Security”

2. Mission

To enhance research activities in irrigation and drainage science, technology, and management aspects in order to develop capabilities of member countries in order to achieve water security, food security and poverty alleviation while preserving the environment.

3. Objectives of the Program

- (a) Foster a conducive policy environment for intensifying research and development activities, facilitate technology transfer and meet networking needs of members,
- (b) Identify and promote opportunities for NCs to gain relevance, efficiency and effectiveness within their countries,
- (c) Enhance research and innovations impacts in member countries by fostering increased coherence and convergence among various players, and
- (d) Help NCs raise financial resources required to undertake these research activities.

PART B: ORGANIZATIONAL STRUCTURE

The organizational structure of IRPID consists of an Advisory Committee (AC) established by ICID as a Permanent Committee (PC) to guide the program implemented through a network of Regional Nodes (RN). In order to implement a distributed program, it is important that various actors within the program have a clear understanding of their respective roles and responsibilities which are described in the following paragraphs.

4. The Advisory Committee

The Advisory Committee for IRPID consists of:

- (a) Chair: Chairperson of PCTA,
- (b) Members: Head of regional nodes,
- (c) ICID Secretary General,
- (d) FAO, IWMI and World Bank Representative,
- (e) Theme Leaders (Basin, Knowledge, On-Farm, and Scheme).

5. Terms of reference of the Advisory Committee

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 Regional Nodes duly supporting their autonomy and maintaining flexibility in fulfilling their roles. These can be categorized 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 for joint activities.

5.1 Strategic Planning would broadly include actions that:

- (i) Initiate the necessary steps to establish the program,
- (ii) Provide policy direction and leadership for the program,
- (iii) Oversees the development and review of the Strategy and the Framework Action Plan,

- (iv) Consider proposals for setting up new Regional Nodes based on the Action Plan.
- (v) Develop policies/plan to bring coherence and interaction between the Regional Nodes,
- (vi) Review current and potential organizational structure, and
- (vii) Advise and assist Regional Nodes.

5.2 Review and Monitoring

- (i) Review and endorse Work Plans of the Regional Nodes aligning them with the Framework Action Plan and vice versa,
- (ii) Monitor the output of Regional Nodes and review their performance and efficiency,
- (iii) Evaluate the performance of Regional Nodes and decide on their continuation, or otherwise, as member of the network.

5.3 Resources Mobilization

- (i) Develop a framework for funding, including resource mobilization strategy to address programmatic and structural needs,
- (ii) Ensure financial and operational accountability for all funds received for the implementation of the program by ICID.
- (iii) Take decisions on the allocation and prioritization of funding received by ICID across the RN and reporting progress to donors.

5.4 Coordination and Communication

The Advisory Committee, with the assistance of Central Office, maintain a data base of research institutions working in the field of agriculture water management within each NC of ICID. AC will work by teleconference and e-mails and except for the annual International Executive Council (IEC) of ICID meeting, a face to face meeting may be convened in exceptional circumstances. The AC members shall not commit the Commission to any new program expenditure or impose significant additional administrative costs without the prior approval of the IEC.

6. Regional Nodes

Each regional network shall have minimum of 3 member countries of ICID. The Regional Node is established in one of the countries of the concerned regional network based on the approval of IEC. Funds for the activities of the Regional Node and its members are to be provided by the member countries themselves. Representative of the RN country constitute a Management Board coordinates and acts as its Head. 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.

6.1 Management Board of Regional Node (MBRN) consists of:

- (i) Head of RN,
- (ii) Representatives of participating member countries,
- (iii) Representative of PCTA,
- (iv) Executive Secretary,
- (v) Regional FAO Representative,
- (vi) Regional IDB Representative, or other world/regional development banks, donors.

6.2 Functions of the Regional Nodes

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

6.3 The scope of the activities of Regional Nodes:

RNs as part of their Action Plan may consider undertaking, but not limited to, the following activities:

- (i) Study and research engineering aspects of irrigation and drainage related issues such as reservoirs, canals, drains, and other related infra-structures for storage, conveyance, distribution, collection, and disposal of water.
- (ii) Conduct researches on stakeholders' participation in irrigation and drainage management.
- (iii) Investigate appropriate legislative requirements in different aspects of irrigation and drainage.
- (iv) Facilitate implementation of the research projects related to social and economic considerations of irrigation and drainage.
- (v) Support and coordinate exploration in smallholder irrigation, drainage networks, sustainability, deficit irrigation, water conservation, use of unconventional water, and modernization of irrigation schemes.
- (vi) Facilitate investigations on enhancing the environmental impacts of irrigation and drainage projects leading to more sustainable development.
- (vii) Conceive capacity development in knowledge, skills and know-how in developing and low income countries, through dissemination of research outcomes.
- (viii) Provide a comprehensive data bank on irrigation and drainage research activities and outcomes among ICID member countries.
- (ix) Cooperate with other national, regional, and international organizations, whose interests and activities are related to the mission of IRPID.
- (x) Support research and innovations in irrigation and drainage equipment and technologies.
- (xi) Hold periodical meetings, conferences, exhibitions and workshops, and supporting the publication of conference proceedings, reports, guidelines, documents, and electronic media materials related to irrigation and drainage research outcomes in accordance with ICID's rules and regulations.

6.4 MBRN's responsibilities

Each unit carries out the following duties:

- (a) **Head of Regional Node:** 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:**
 - Is responsible for the day to day works of coordination and shall save and report to the AC.
 - Support the Node autonomy and flexibility in fulfilling their roles.

Regional Nodes Organizational Chart



Abbreviations, wherever are used are meant as follows:

AC	= Advisory committee
FAO	= Food and Agriculture Organization
ICID	= International Commission on Irrigation and Drainage
IDB	= Islamic Development Bank
IEC	= International Executive Committee
IPTRID	= International Program for Technology and Research in Irrigation and Drainage = International Research Program for Irrigation and Drainage
MBRN	= Management Board of Regional Node
NC	= National Committee
PC	= Permanent Committee
PCTA	= the Permanent Committee for Technical Activities
RN	= Regional Node
WGs	= Working Groups
WG-ENV	= Working Group on Environment
WG-M&R	= Working Group on Modernization & Revitalization of Irrigation Schemes
WG-PQW	= Working Group on Poor Quality Water for Irrigation
WG-SDRG	= Working Group on Sustainable Drainage
WG-SON-FARM	= Working Group on Sustainable On-Farm Irrigation System Development



**List of participants at the
67TH INTERNATIONAL EXECUTIVE COUNCIL (IEC) MEETING
12 November 2016, Chiang Mai, Thailand**

(a) OFFICE BEARERS**President**

1. Dr. Saeed Nairizi (Iran)

Vice Presidents

2. Dr. Mohamed Abd-El-Moneim Wahba (Egypt)
3. Dr. Ding Kunlun (China)
4. Mr. Bong Hoon Lee (Korea)
5. Prof. Dr. Charlotte de Fraiture (The Netherlands)
6. Mr. Ian William Makin (United Kingdom)
7. Prof. Dr. Abdelhafid Debbarh (Morocco)

Secretary General

8. Er. Avinash C. Tyagi, ICID (India)

(b) CHAIRPERSONS OF PERMANENT COMMITTEES

1. Vice President Laurie C. Tollefson (Canada), PFC
2. Vice President Hon. Felix B. Reinders (South Africa), PCTA
3. Vice President Huseyin GÜNDOĞDU (Turkey), PCSO

(c) PAST PRESIDENTS

1. Prof. Dr. Chandra Madramootoo (Canada)
2. Dr. Gao Zhanyi (China)
3. Prof. dr. Ir. Bart Schultz (The Netherlands)
4. Mr. Peter S. Lee (United Kingdom)

(d) PAST VICE PRESIDENTS

1. Mr. Laurie C. Tollefson (Canada)
2. Mr. Shinsuke Ota (Japan)
3. Dr. Laszlo G. Hayde (Hungary)
4. Mr. Adama SANGARE (Mali)
5. Dr. A. Hafied A. Gany (Indonesia)
6. Dr. Gerhard R. Backeberg (South Africa)
7. Dr. Huseyin GÜNDOĞDU (Turkey)
8. Dr. Ragab Ragab (United Kingdom)

(e) NATIONAL COMMITTEES / COMMITTEE

- | | |
|--|----------------|
| 1. Mr. Stephen Mills; Ms Kathleen Heuvel | Australia |
| 2. Mr. M. OUANGO D. François | Burkina Faso |
| 3. Mr. Warren Helgasun | Canada |
| 4. Mr. Li Ruoxi | China |
| 5. Mr. Kuang-Ming Chuang; Mr. Ray-Shyan Wu | Chinese Taipei |
| 6. Dr. Mohamed Abd-El-Moneim Wahba | Egypt |
| 7. Mr. Grosclaude Jean-Yves, Dr. Dominique ROLLIN | France |
| 8. Dr. Sándor Szalai; Dr. Laszlo G. Hayde | Hungary |
| 9. Mr. Anuj Kanwal | India |
| 10. Dr. A. Hafied A. Gany; Mr. Ismail Widadi | Indonesia |
| 11. Mr. Mohammad Hajrasouliha; Mr. Ali Reza Salamat; Dr. M. Ehsani | Iran |
| 12. Dr. Marco Arcieri | Italy |
| 13. Mr. Sato Yohei; Mr. Masao Miyazaki; Dr. Kenichi Uno | Japan |
| 14. Mr. Jo Rae Cheong; Dr. Yong Jig Lee; Ms GONG Ju | Korea |
| 15. Ir. Mat HUSSIN; Ir. Moho Anuar Musaroar B. Yusoff | Malaysia |
| 16. Mr. Adama SANGARE | Mali |

17. Mr. Luis Alcocer	Mexico
18. Dr. Abdelhafid Debbarh	Morocco
19. Mr. Mu Mu Than	Myanmar
20. Mr. Madhav Belbase	Nepal
21. Mr. Waseem Nazir	Pakistan
22. Dr. (Mrs.) Irena G. Bondarik	Russia
23. Mr. Abdullahi Hassan Hussein	Somalia
24. Dr. Sylvester Mpandeli; Mr. Felix B. Reinders	South Africa
25. Mr. G.M.R.A. Perera; Mr. N.G.R. Ariyaratne	Sri Lanka
26. Dr. Somkiat Prajamwong; Mr. Thanor Suwattana	Thailand
27. Prof. Dr. Charlotte de Fraiture	The Netherlands
28. Mr. Omer Farut Akbulut; Mr. Ahmet Seren	Turkey
29. Prof. Peter Kovachenko	Ukraine
30. Mr. Peter Lee; Dr. Ragab Ragab; Mr. Ian W. Makin	United Kingdom
31. Mr. Larry D. Stephens	USA

(f) OBSERVERS

1. Mr. Kisty Wiming; Mr. Bryan Ward (Australia)
2. Ms Pei Chun Ni (Chinese Taipei)
3. Mr. Nita Yuliati (Indonesia)
4. Mr. Naoki Hayashida; Mr. Tomoaki Koyama (Japan)
5. Mr. Daesu EO; Dr. Jeong Ryeol Jang; Mr. Youn Sun Lee; Mr. Seung Won Lee; Mr. Kim Syun Tin (Korea)
6. Ms Patricia Nerrera Asencio (Mexico)
7. Mrs. Serpil KÖYLÜ DALGIN; Mr. Bilge Omar (Turkey)



APPROVED FOR INCLUSION IN HERITAGE IRRIGATION STRUCTURE (HIS)

SI. No.	Name of HIS	Country
HIS-2016		
1	Chatan Weir Irrigation System	China
2	Lougang Irrigation and Drainage System of Taihu Lake Basin	China
3	Zhengguo Canal Irrigation System	China
4	Byeokgol-je	Korea
5	Chukmanje Dam	Korea
6	Teruizeki Irrigation Canal	Japan
7	Asakasosui Irrigation System	Japan
8	Naganoseki Irrigation Canal	Japan
9	Asuwagawa Irrigation Canal	Japan
10	Meiji-yousui Irrigation Canal	Japan
11	Kounomizo-Hyakutaroumizo Irrigation System	Japan
12	Mannou-ike Reservoir	Japan
Addition to 2015 HIS List		
13.	Quebei Pond	China
14.	Tuoshan Weir	China
15.	Zhuji Shadoof Irrigation System	China
16.	Aswan Dam	Egypt
17.	Delta Barrages	Egypt
18.	Drainage System in Novgorod Region	Russia
19.	Uchikawa Irrigation System	Japan
20.	Murayama-rokkamurasegi-sosui Irrigation Canal	Japan
21.	Takinoyusegi and Okhawarasegi Irrigation System	Japan
22.	Jikkasegi Irrigation System	Japan
23.	Genbegawa Irrigation Canal	Japan
24.	Minamiieki-kawaguchi-yusui Irrigation System	Japan
25.	Tokiwako Reservoir	Japan



**IMPORTANT DECISIONS TAKEN BY THE
MANAGEMENT BOARD ON BEHALF OF IEC
BETWEEN
66TH IEC MEETING (MONTPELLIER, OCTOBER 2015) AND
67TH IEC MEETING (CHIANG MAI, NOVEMBER 2016)**

(And the actions taken thereon)

Decision by the MB Meetings	Decision of 67 th IEC
I. Virtual Management Board Meeting No.1/16, 29 March 2016 (via teleconferencing)	
1. MB approved the proposal of Iranian National Committee on Irrigation and Drainage (IRNCID) to shift the dates for the 13 th International Drainage Workshop from 3-6 March to 4-7 March 2017.	Endorsed.
2. MB reviewed the budget provision for the Financial Year 2015-16 and expenditure incurred under different items and approved the increase in provision made under item Arrear of Taxes from Rs 8.6 million to Rs 10 million.	Endorsed.
II. Virtual Management Board Meeting No.2/16, 17-23 May 2016 (via e-mail exchange)	
3. MB approved proposed negotiated rates of subscription for "Irrigation & Drainage" for the year 2017 @ US\$ 47 for "Online" and US\$ 57 for "Online + Print" for ICID member subscriptions which will be placed before PFC prior to its approval in 67 th IEC.	Endorsed.



**PRESENTATION ON STRATEGY THEME “ON-FARM”
Vice President Bonghoon Lee**

I. Background

Agriculture faces complex challenges in the near future between now and 2050 to satisfy an estimated population of nine billion. According to the UN statistics, World population is growing by 80 million people per year and expected to reach 9 billion by 2050. Population growth, urbanization, industrialization, and increases in production and consumption have all generated ever-increasing for freshwater.

By 2030, the world is predicted to face a 40% global water deficit. Competing demand increases the risk of localized conflicts and will lead to increasingly difficult allocation decisions and limit the expansion of sectors critical to sustainable development.

Climate change will exacerbate the risks associated with variations in the distribution and availability of water resources. Climate change will lead to more frequent and intense weather extreme events like droughts and floods, with devastating impacts on food production systems. Sound water management is essential for building societal resilience against such increased risks.

International Commission on Irrigation and Drainage (ICID) has contributed to enhance the global production of food and serials by improving water management and the productivity of irrigated and drained lands through appropriate management of water, environment, and application of irrigation, drainage, and relevant experiences and technologies. To realize ICID's missions, the technical activities of the ICID are organized under four strategy themes: ON-FARM, SCHEMES, BASIN, and KNOWLEDGE. The Working Groups (WGs) under the On-Farm theme deals with the application of water at the farm level and the best way to use it to increase the productivity and impacts of application of irrigation water including its quality at the farm level. The WGs falling within the theme Scheme address various aspects of delivery of water from the source to the farm level including the planning, development and management.

II. Review on Strategy Theme On-Farm

The technical activities of ICID are organized under four Strategy Themes: ON-FARM, SCHEME, BASIN, and KNOWLEDGE. Each Strategy Theme comprises WGs or Task Forces (TFs) as work bodies. The topics to be addressed under each theme are as follows:

1. **KNOWLEDGE:** (a) Training, research, technology transfer, publications; (b) Flood management
2. **BASIN:** (a) Policy/planning framework, economic and legal issues, institutional aspects; (b) Water and soil resources management, environment, sustainable development.
3. **SCHEME:** (a) Institutional & Organizational aspects; (b) Revitalization, modernization, development and management with sustainability, and water saving in irrigation
4. **ON-FARM:** (a) Irrigation management and farming techniques; (b) Drainage management and farming techniques in the catchment.

Strategy Theme ON-FARM consists of three WGs: Working Group on Water and Crops (WG-CROP); Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM); and Working Group on Use of Poor Quality Water for Irrigation (WG-PQW).

These three WGs have worked and contributed actively in accordance with ICID's mandates and roles. In various publication with useful data bound contributed to accumulate technologies on irrigation and drainage, and abundant theses and papers reflecting NCs characteristics are presented. The WGs have promoted mutual cooperation, dissemination, and sharing experiences and technologies, and reviews on previous activities. However, they have faced challenges while the participants have decreased and their actions have gradually been undertone. The WGs' action and participation can be activated if various works of NCs can derive many experts attention through productive actions.

❖ **WG-ON-FARM**

The mandates of ON-FARM are as follows: On-farm irrigation structures and water distribution system networks are properly designed, installed, managed and maintained; Soil moisture is monitored, technical and management measures for enhancing the water infiltration and retention capacities of soils are investigated and implemented; Trade-offs among on-farm irrigation technologies, socio-economic and environmental benefits are optimized; Innovative local institutional arrangements are developed and promoted for operation and maintenance; and Top-notch scientific and development relevant research is conducted and its results are translated into actionable recommendations.

Finalizing eighteen years of its working term since 1998, WG-ON-FARM is preparing closure report on finalizing its work for seventeen years as WG-ON-FARM. It starts the new history as WG-SON-FARM in 2016. On that account WG-ON-FARM has worked successfully, it won the Best Performing Work body Award in 2014.

On-farm irrigation circumstance of member countries may vary In accordance with various factors, such as: weather; geographical and geological consideration; and quantity of available water resources. Especially in Asia and Africa, for instance, Pressured irrigation system, such as sprinkler or drip irrigation cannot be adopted to replace traditional flood-based farming system (FBFS) because of the limitation of investment financing. In this regard, proper research will be necessary to improve efficiency on traditional water management.

❖ **WG-PQW**

The mandates of WG-PQW are as follows: To promote a safe and good management of poor quality water for irrigation; To minimize the negative impact on human health and the environment; To promote the multiple use of poor quality water; and To give consideration to the Institutional and legislation aspects with regard to the use of poor quality waters.

It is one of the most important tasks to all countries to secure sufficient amount of water in good quality, under the situation with which the competition on water use is gradually becoming a serious concern. WG-PQW is still facing challenges to adopting new technologies to the field, nevertheless the various accumulated research achievement and experience. Because installation and operation of the plant to treat poor quality water cost need a lot of financial resources, eco-friendly and cost-effective method of treatment is necessary in accordance with local geographic and economic situation.

As the working term of WG-PQW started in 1995 will be expired 2016, it plans to start the new chapter with new mandates out of renewed scoping documents. WG-PQW jointly hosted "Round Table Discussion on the reuse of treated sewage water" with 'Association Française pour l'Etude des Irrigations et du Drainage (AFEID)' side at Montpellier France in 2015.

❖ **WG-CROP**

The mandates of WG-CROP are as follows: 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 biofuel production; To develop techniques for rainfall harvesting; To promote the multi-functionality of water use in paddy rice cultivation; To investigate the adaptation of agriculture to climate change; and To promote low input agriculture.

WG-CROP is planning to publish a technical report on multi-functionality of water use in paddy cultivation through in-depth research and discussion, as well as expecting publication on various topics, such as: crop water models; rainfall harvesting; energy crop; and etc. The WG hold an 'International Workshop on Precision Irrigation for Sustainable Crop Production' in terms of following themes at Montpellier France in 2015. As the WG's working term will be expired by 2016, it is to be requested to extend the term through discussion among members. In terms of its main working scope and name, it is planned to change its name as WG-WATER&CROPS. The WG is facing challenge due to the members' inactive participation. One of the reasons would presumably be the heavy burden on annual registration fee, which ICID is necessary to set a counterplan.

III. Vision and Future Direction

The function and role of the government on development and use of water would be different in each member country. In terms of organizations for water, in general, there are tentatively two different situations: 1) There is an exclusive organization which has full responsibility and authority; and 2) Various stakeholders share water management in terms of multiple purposes on water development and use. To enhance water and irrigation efficiency, it is essential that each organization should closely cooperate together. In this regard, the active participation of various organizations in ICID WGs is advisable. ICID should suggest an open platform to communicate with all relevant stakeholders, and each NC should encourage participation of various organizations in their region.

ICID has published a lot of various technical data and research reports since 1950, and those are under good management. It is necessary, for the next step, to adopt those accumulated experiences and technologies to the field of member countries, especially in developing stages. ICID, as a new attempt, initiated 'a Technical Support Unit' at Montpellier France in 2015. All member countries should endeavor to realize the application of technology and experiences to the field through active participation.

It is anxious that some NCs withdraw from ICID recently. To cope with this situation and revitalize ICID, it would be one possible way to reinforce cooperation between NCs sharing the commonality in geography, culture, socio-economy, and agriculture. The reason of some NCs' withdrawal from ICID (actually, arrears of annual membership fee) is multiple including: lack of finance; generation gap without succeeding young professionals; donors' insufficient understanding on ICID; and others. Sharing experience and technology to foster succeeding young professionals through frequent contacts among NCs with joint projects can contribute to revitalize ICID consequently. It is advisable that NCs in socio-economically good circumstances may support other NCs with challenging condition in various aspects.

A variety of meetings which ICID has held – Congress, International Executive Council (IEC) Meeting, World Irrigation Forum (WIF), Regional Conferences, and etc. – can suggest significantly precious chances for business. It can provide an international platform to NCs and their relevant organizations (including private sector) on which they can meet at a mutually convenient time and discuss together to search for new projects, because the meetings can derive participation of people with influence on irrigation and drainage from NCs as well as corporates with advanced technologies. Especially, if the private sector can find business chances where developing countries search for development chances through those meetings, it may consequently contribute to the revitalization of ICID and to promote food security through irrigation and drainage development.

IV. Recommendation

It is crystal clear that Young Professionals (YPs) are the future of ICID. ICID should foster YPs as future leaders through operating regular capacity-development program by reinforcing support system of YPs. To realize regular capacity-development of ICID, it is necessary to address donor partners and designate a proper training institute from NCs, for sustainable, stable, and long-term capacity-development of YPs.

Active promotion of private sector's participation can significantly contribute to reducing some NCs' burden which needs financial support, and to revitalize their activities. ICID may embrace the private companies as 'Direct Members' so that it reinforce ICID's financial foundation to support some NCs through developing new Guideline to impose different subscription fee to private companies in accordance with their scale and capacity. Private companies will not hesitate participating in ICID if they can find the business opportunities on the worldwide platform of water (irrigation and drainage) which ICID internationally suggests. ICID needs to consider the proper way to derive their active participation.



MEMBERSHIP OF VARIOUS WORKBODIES (As Updated During 67th IEC)

I. PERMANENT FINANCE COMMITTEE (PFC)

No.	Members	Country	Remarks
1.	VPH Mr. Laurie Tollefson	Canada	Chair (2013)
2.	President Hon. Prof. Dr. Bart Schultz	Netherlands	Member (2011)
3.	Mr. Hao Zhao	China	Member (2012)
4.	Ms. Serpil Koylu Dalgin	Turkey	Member (2012)
5.	Mr. Naoki Hayashida	Japan	Member (2014)
6.	Engr. Husnain Ahmad	Pakistan	Member (2014)
7.	Dr. Irene Bondarik	Russia	Member (2014)
8.	Mr. Ali Reza Salamat	Iran	Member (2016)
9.	Mr. Hazim Ibrahim Othman Mohammed	Iraq	Provisional Member (2016)
10.	Secretary General		Member-Secretary

II. PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)

No.	Members	Country	Remarks
1.	Vice President Mr. Bong Hoon Lee	Korea	Chair (2012)
2.	Ms. Kathleen Heuvel	Australia	Vice Chair (2013)
3.	Vice President Hon. Dr. Ir. Basuki Hadimoeljono	Indonesia	Member (2013)
4.	Vice President Hon. Mr. Kadhim Mohsin Ahmed	Iraq	Member (2013)
5.	Vice President Hon. Er A.B. Pandya	India	Member (2014)
6.	Vice President Dr. Mohamed Abd-El-Moneim Wahba	Egypt	Member (2014)
7.	Vice President Dr. Ding Kunlun	China	Member
8.	Vice President Bong Hoon Lee	Korea	Member (2014)
9.	Vice President Prof. Dr. Charlotte de Fraiture	The Netherlands	Member (2015)
10.	Vice President Mr. Ian William Makin	UK	Member (2015)
11.	Vice President Prof. Dr. Abdelhafid DEBBARH	Morocco	Member (2015)
12.	Vice President Dr. Irene G. Bondarik	Russia	Member (2016)
13.	Vice President Mr. Waseem Nazir	Pakistan	Member (2016)
14.	Vice President Mr. Madhav Belabse	Nepal	Member (2016)
15.	Secretary General, ICID		Member-Secretary
16.	FAO representative		Permanent Observer
17.	World Bank representative		Permanent Observer
18.	GWP representative		Permanent Observer

No.	Members	Country	Remarks
19.	WWC representative		Permanent Observer
20.	Chairpersons of all Regional Working Groups and Working Groups/Committees under PCSO.		Ex-Officio Members

II.A. Membership Status of Working Groups under PCSO

II.1 — AFRWG			
No.	Members	Country	Remarks
1.	VP Dr. M.S. Wahba	Egypt	Chair (2016)
2.	Dr. Sylvester Mpandeli	South Africa	Vice Chair (2013)
3.	Mr. Jean Bernard Dambre	Burkina Faso	Secretary (2010)
4.	VPH Samia El-Guindy	Egypt	(2014)
5.	Engr. Joe Kwanashie	Nigeria	(2014)
6.	Mrs. Salamata Karambiri Miwende	Burkina Faso	(2015)
7.	Mr. Tchouadang Kadjonga	Chad	(2015)
8.	Mr. Mulako Cornelius Sitali	Zambia	(2015)
9.	Representative	Zimbabwe	(1995)
10.	Representative	Morocco	(1959)
11.	Representative	Sudan	(1964)
12.	Representative	Malawi	(1967)
13.	Representative	Ethiopia	(1976)
14.	Representative	Mali	(2005)
15.	Representative	Niger	(2007)
16.	Representative	Tanzania	(2011)
17.	Representative	Madagascar	(2014)
18.	Representative	Somalia	(2016)

II.2 — ASRWG			
No.	Members	Country	Remarks
1.	VPH Karim Shiati	Iran	(1997) Chair (2006)
2.	Mr. Uttam Raj Timilsina	Nepal	(2011)
3.	Dr. Kota Tirupataiah	India	(2012)
4.	Mr. Arthon Suttigarn	Thailand	(2012)
5.	Dr. Aynur Fayrap	Turkey	
6.	Ir. Syed Abdul Hamid bin Syed Shuib	Malaysia	(2013)
7.	Dr. Rajinder Kumar Gupta (Direct Member), WAPCOS India Limited	India	(2014)
8.	Mr. Naoki Hayashida	Japan	(2014)
9.	Dr. Mochammad Amron	Indonesia	(2015)
10.	Prof. (Ms.) Kyung Sook Choi	Korea	(2015)
11.	Dr. Gwo-Hsing Yu	Chinese Taipei	(2015)
12.	Mr. Stephen Mills	Australia	(2015)
13.	Mr. Ilkhom Juraev	Uzbekistan	(2015)
14.	Prof. Wang Aiguo	China	(2016)
15.	Mr. Shaimaa Shihab Ahmed	Iraq	Provisional Member (2016)
16.	Mr. Ammar Salah Ahmed Manhee (Young Professional)	Iraq	Provisional Member (2016)
17.	Representative	Sri Lanka	(1950)
18.	Representative	Pakistan	(1953)
19.	Representative	Philippines	(1956)
20.	Representative	Myanmar	(1962)
21.	Representative	Bangladesh	(1973)
22.	Representative	Saudi Arabia	(1977)
23.	Representative	Kazakhstan	(2006)
24.	Representative	Tajikistan	(2014)

II.3 — ERWG			
No.	Members	Country	Remarks
1.	VP Ian Makin	UK	(2014) Chair (2015)
2.	VPH Peter Kovalenko	Ukraine	(1999) Vice-Chair (2005)
3.	Mr. Olli-Matti Verta	Finland	(2000) Secretary (2011)
4.	Representative	Netherlands	(1950)
5.	Representative	Spain	(1955)
6.	Representative	Switzerland	(1955)
7.	VPH Brane Maticic	Slovenia	(1992)
8.	Mr. Pedro Eduardo da Cunha Serra	Portugal	(1996)
9.	Prof. Dr. Ion Nicolaesco	Romania	(1996)
10.	Prof. Dr. Svatopluk Matula	Czech Republic	(1997)
11.	Dr. Davor Romc	Croatia	(2002)
12.	Dr. John Martin	Ireland	(2003)
13.	VPH Laszlo Hayde	Hungary	(2005)
14.	Dr. Irina G. Pankova	Russia	Observer (2007)
15.	Dr. (Mrs.) Sabine Seidelas as Young Professional	Germany	Observer (2011)
16.	Dr. Irena Bondarik	Russia	(2012)
17.	Dr. Klaus-Dieter Vorlop	Germany	Observer (2012)
18.	Dr. Sami Bouarfa	France	(2013)
19.	Mr. Peter Alexey Yurievich, Chair, EWTDR	Russia	Ex-Officio Member (2014)
20.	Mr. Hannes Puu	Estonia	(2015)
21.	Dr. Marco Arcieri	Italy	(2015)

II.4 — C-CONGR			
No.	Members	Country	Remarks
1.	Mr. Luis Felipe Alcocer	Mexico	Chair (2016)
2.	VP Bong Hoon Lee	Korea	Representative
3.	Mrs. Narges Zohrabi	Iran	Representative
4.	Dr. Somkiat Prajamwong	Thailand	Representative
5.	Mrs. Serpil Koylu	Turkey	Representative
6.	Dr. Dominique Rollin	France	Representative
7.	VPH M.H. Amer	Egypt	Representative
8.	Ir. Brad Peters	Canada	Representative
9.	Mr. Madhav Belbase	Nepal	Representative
10.	Mr. Anuj Kanwal	India	Representative

II.5 — WG-IDSST			
No.	Members	Country	Remarks
1.	VPH Peter Kovalenko	Ukraine	Chair (2009)
2.	VPH Victor A. Dukhovny	Uzbekistan	Vice Chair (2009)
3.	Dr. Shukhrat Mukhamedjanov	Uzbekistan	Secretary (2014)
4.	Dr. Katsuyuki Shimizu	Japan	(2013)
5.	Dr. Rajinder Kumar Gupta (Direct Member), WAPCOS India Limited	India	(2014)
6.	Dr. Alexander Solovyev	Russia	(2014)
7.	Engr. Peter Yakube Manjuk	Nigeria	(2014)
8.	Mr. Bakhrom Gafarov	Tajikistan	(2015)

II.6 — IYPeF			
No.	Members	Country	Remarks
1.	Ms. Kathleen Heuvel	Australia	Coordinator (2016)
2.	Ms. Adey N. Mersha	Ethiopia	Joint Co-ordinator (2016)
3.	Mr. Rafat Nael Al-Intaki	Iraq	Joint Co-ordinator (2016)
4.	Mr. Mika Turunen	Finland	Joint Co-ordinator (2016)

5.	Mr. Abdullahi Hassan Hussein	Somalia	Joint Co-ordinator (2016)
6.	Ms. Jakia Akter	Bangladesh	Joint Co-ordinator (2016)

III. PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)

No.	Members	Country	Remarks
1.	VP Dr. Ding Kunlun, Chair	China	Chair (2015)
2.	Prof. Graziano Ghinassi, (Italy)	Italy	Member (2012)
3.	Prof. Masayoshi Satoh (Japan)	Japan	Member (2012)
4.	PH Peter S. Lee (UK)	UK	Member (2013)
5.	Ms. Aysen Pervin Gungör (Turkey)	Turkey	Member (2014)
6.	Mr. Chaiwat Prechawit (Thailand)	Thailand	Member (2014)
7.	Dr. Mohamed Wahba	Egypt	Member (2015)
8.	Mr. Ali Reza Salamat	Iran	Member (2015)
9.	Secretary General, ICID		Member-Secretary
10.	World Bank representative		Permanent Observer
11.	FAO representative		Permanent Observer
12.	IWMI representative		Permanent Observer
13.	ISO representative		Permanent Observer
14.	WWC representative		Permanent Observer
15.	CPWF representative		Permanent Observer
16.	AgWA representative		Permanent Observer
17.	All Strategy Theme Leaders and Chairs of all Workbodies under PCTA. Ex-Officio Member Vice President Hon. Larry D. Stephens (USA), Chair, C-PR&P as Secretary (PCTA).		Ex-Officio Members

III.A. Membership Status of Working Groups under PCTA

III.B.1 — WG-BIO-FUEL			
No.	Members	Country	Remarks
1.	Dr. Fuqiang Tian	China	(2012) Chair (2015)
2.	Mr. Sanjay Belsare	India	(2010)
3.	VPH Laurie C. Tollefson	Canada	(2012)
4.	Mr. Uttam Raj Timilsina	Nepal	(2012)
5.	Mr. Mortaza Yazdkhasti	Iran	(2015)
6.	Mr. André Roux	South Africa	(2015)
7.	Mr. Bassam Hayek	Jordan	Observer (2015)
8.	Dr. Salih Hamad Hamid Omer	Sudan	(2016)
9.	Mr. Rajiv Kumar	India	Provisional Member (2016)
10.	Mrs. Ruaa Khalid Hamdan	Iraq	Provisional Member (2016)

III.B.2 — WG-CAFM			
No.	Members	Country	Remarks
1.	Dr. Kamran Emami	Iran	(1999) Chair (2010)

2.	Dr. Takao Masumoto	Japan	(2009) Vice Chair (2015)
3.	Mohd Adnan bin Mohd Nor	Malaysia	(2013) Secretary (2015)
4.	Mr. Maurice Roos	USA	(2006)
5.	Mr. Olli-Matti Verta	Finland	(2011)
6.	Mr. Marcel Marchand	Netherlands	(2011)
7.	Dr. Arthon Suttigarn	Thailand	(2012)
8.	Ms. Aysen Pervin Gungor	Turkey	(2012)
9.	Dr. Herman Booysen	South Africa	(2012)
10.	Mr. R.K. Agarwal (Direct Member), WAPCOS India Limited	India	(2014)
11.	Dr. Rozalija Cvejic	Slovenia	(2014)
12.	Mr. V.D. Roy	India	Provisional Member (2015)
13.	Prof. Dr.-Ing. Klaus Rottcher	Germany	Observer (2015)
14.	FAO representative		Observer
15.	UNDRO representative		Observer
16.	WMO representative		Observer
17.	World Bank representative		Observer

III.B.3 — WG-CLIMATE

No.	Members	Country	Remarks
1.	Dr. Tsugihiko Watanabe	Japan	(2006) Chair (2014)
2.	Dr. Ray Shyan Wu	Chinese Taipei	(2009) Vice Chair (2014)
3.	Dr. Tian Fuqiang	China	Secretary (2014)
4.	Dr. Juan A. Rodriguez-Diaz	Spain	(2010)
5.	Prof. Dr. Choi, Jin-Yong	Korea	(2013)
6.	Dr. Nozar Ghahreman	Iran	(2015)
7.	Dr. Waleed Hassan M. Abou El Hassan	Egypt	(2015)
8.	Mr. Michael Davidson	USA	(2015)
9.	Dr. Guy Jobbins	UK	(2015)
10.	Mr. Mika Turunen	Finland	(2015)
11.	Eng. (Ms.) Talatha Janaki Meegstenna	Sri Lanka	Provisional Member (2016)
12.	Mr. Javeed Iqbal Bokhary	Pakistan	Provisional Member (2016)
13.	Mr. Sanjay Kumar Singh	India	Provisional Member (2016)
14.	Dr. (Ms.) Fransisca Mulyantari	Indonesia	Provisional Member (2016)
15.	Mr. Atin Kumar Tyagi – Direct Member, JISL	India	Provisional Member (2016)
16.	Mr. Hatem Hameed Hussein	Iraq	Provisional Member (2016)
17.	Mr. Jafer Kathom Alwan Alamiryi (Young Professional)	Iraq	Provisional Member (2016)
18.	WMO representative		Permanent Observer
19.	IWMI Representative		Permanent Observer
20.	FAO Representative		Permanent Observer

III.B.4 — WG-DROUGHT

No.	Members	Country	Remarks
1.	VPH Franklin E. Dimick,	USA	(2008) Chair (2009)
2.	Mr. Mohammad Sadegh Jafari	Iran	(2008) Vice Chair (2009)
3.	Mr. V.C. Ballard	Australia	Secretary (2012)
4.	VPH Ragab Ragab	UK	(2008)
5.	Dr. Graziano Ghinassi	Italy	(2008)
6.	Prof. Chang-Chi Cheng	Chinese Taipei	(2008)
7.	Dr. Takanori Nagano	Japan	(2011)
8.	Dr. Hakan Aksu	Turkey	Young Professional (2012)
9.	Mr. Sudhakar (Direct Member), JISL	India	(2015)
10.	Ms. Jianxin Mu	China	Provisional Member (2016)

III.B.5 — WG-ENV

No.	Members	Country	Remarks
1.	Dr. (Ms.) Charlotte de Fraiture	The Netherlands	(2015) Chair (2016)
2.	Prof. N. Hatcho	Japan	(2008) Vice Chair (2011)
3.	Dr. Sylvain Perret	France	(2010) Secretary (2016)
4.	Prof. Yih-Chi Tan	Chinese Taipei	(2008)
5.	Mr. Mohammad Kazem Siahi	Iran	(2008)
6.	Dr. Choi, Joong-Dae	Korea	(2008)
7.	Mr. V.C. Ballard	Australia	(2010)
8.	Mr. Ahmed Mohammad Aziz	Iraq	(2011)
9.	Dr. Aynur Fayrap	Turkey	(2012)
10.	Ir. Mohd Azmi Ismail	Malaysia	(2013)
11.	Dr. Muhammad Basharat Chaudhry	Pakistan	(2015)
12.	Dr. Fuqiang Tian	China	(2015)
13.	Ms. Seija Virtanen	Finland	(2015)
14.	Mr. Mohammad Samiul Ahsan Talucder (Direct Member)	Bangladesh	(2015)
15.	Dr. Yury Anatolyevich Mozhaiskii	Russia	(2016)
16.	Dr. (Ms.) Bai Jing (Young Professional)	China	Provisional Member (2016)
17.	Mr. H.K. Meena	India	Provisional Member (2016)
18.	Eng. (Ms.) P.M. Jayadeera	Sri Lanka	Provisional Member (2016)
19.	Mr. Ahmed Kamil Hassani (Young Professional)	Iraq	Provisional Member (2016)
20.	Mr. Usamah Hashim Witwit	Iraq	Provisional Member (2016)

III.B.6 — WG-SDTA			
No.	Members	Country	Remarks
1.	Dr. Ruey-Chy Kao	Chinese Taipei	(2007) Chair (2011)
2.	Ir. Henk P. Ritzema	Netherlands	(2002) Vice Chair (2009)
3.	Dr. Hajime Tanji	Japan	Secretary (2013)
4.	Dr. (Ms) Hsiao-Weng Wang	Chinese Taipei	Young Professional (2010)
5.	Prof. Budi Santoso Wignyosukarto	Indonesia	(2011)
6.	Prof. Zhang Zhanyu	China	(2012)
7.	Ir. Hj. Nor Hisham bin Mohd Ghazali	Malaysia	(2012)
8.	Dr. Jeongryeol Jang	Korea	(2014)
9.	Mr. Anuj Kanwal	India	(2016)
10.	Eng. L.S. Sooriyabandara	Sri Lanka	Provisional Member (2016)
11.	Eng. Ibrahim Abbas Dawood (Young Professional)	Iraq	Provisional Member (2016)
12.	Eng. Ghanim Hameed Hassan Alhashimi	Iraq	Provisional Member (2016)
13.	Dr. Jo Jin Hoon	Korea	Permanent Observer
14.	Dr. Daeou Eo	Korea	Permanent Observer
15.	Mr. Robiyanto Hendro Susanto	Indonesia	Permanent Observer
16.	Mr. Harry Denecke (FAO)		Permanent Observer

III.K.1 — C-PR&P			
No.	Members	Country	Remarks
1.	VPH Larry D. Stephens	USA	Chair (1992)
2.	Ms. Anne Currey	Australia	(1998)
3.	PH Bart Schultz	The Netherlands	(2009)
4.	Dr. Yingduo Yu	China	(2012)
5.	Ms. Indica, Direct Member of WAPCOS (India) Limited	India	(2016)
6.	Mr. Oliver Taylor	UK	Provisional Member (2016)
7.	Ms. Sahar Norouzi	Iran	Provisional Member (2016)
8.	Mr. Hiyam Raad Adwan	Iraq	Provisional Member (2016)
9.	Mr. Satit Maneepai	Thailand	Observer

III.K.2 — WG-CDTE			
No.	Members	Country	Remarks
1.	Prof. Dr. Abdelhafid DEBBARH	Morocco	Chair (2015)
2.	Dr. Young D. Kim	Korea	Vice Chair (2015)
3.	Mr. Mirza Asif Baig	Pakistan	Provisional Member (2016)
4.	Dr. Nader Heydari	Iran	Provisional Member (2016)
5.	Eng. Abu Obieda Babiker Ahmed Hassan	Sudan	Provisional Member (2016)

6.	Mr. Ramesh Kumar	India	Provisional Member (2016)
7.	Mr. Hasan Basri Yuksel	Turkey	Provisional Member (2016)
8.	Ms Dahile Abdulqader Abdulhameed (YP)	Iraq	Provisional Member (2016)
9.	Mr. Raad F Amein Taha	Iraq	Provisional Member (2016)

III.K.3 — EB-JOUR			
No.	Members	Country	Remarks
1.	PH Bart Schultz	Netherlands	Chair (2002)
2.	Prof. Dr. Kristoph-Dietrich Kinzli P.E.	USA	(2010) Joint Editor (2012)
3.	Dr. Jiusheng Li	China	(2012) Joint Editor (2015)
4.	VPH Hector Malano	Australia	(2001) Editor Emeritus (2015)
5.	Dr. Bryan P. Thoreson	USA	Associate Editor (2001)
6.	Prof. Daniele de Wrachien	Italy	Associate Editor (2001)
7.	Prof. Yih Chi Tan	Chinese Taipei	Associate Editor (2006)
8.	Dr. Nick C. Van de Giesen	Netherlands	Associate Editor (2007)
9.	Dr. Marcel Kuper	France	Associate Editor (2009)
10.	Mr. Bernard Vincent	France	Associate Editor (2010)
11.	Dr. Takao Masumoto	Japan	Associate Editor (2011)
12.	Prof. Leon van Rensburg	South Africa	Associate Editor (2013)
13.	Dr. Biju George	Australia	Associate Editor (2013)
14.	Dr. Henk Ritzema	Netherlands	(2013) Associate Editor (2015)
15.	Prof. Waldo Ojeda-Bustamante	Mexico	(2014) Associate Editor
16.	Prof. Kendall C. DeJonge	USA	(2014) Associate Editor
17.	Prof. Saleh Taghvaejan	USA	(2014) Associate Editor
18.	Prof. Graziano Ghinassi	Italy	Associate Editor (2015)
19.	VPH Laszlo Hayde	Hungary	Associate Editor (2015)
20.	VPH Larry D. Stephens	USA	(2001)
21.	Dr. Muhammad Latif	Pakistan	(2002)
22.	Dr. Vijay Labhsetwar (ICID Central Office)	India	(2006)
23.	Dr. Yohei Sato	Japan	(2009)
24.	Prof. Ir. Dr. Mohd Amin bin Mohd Soom	Malaysia	(2009)
25.	Dr. Mohammad Javad Monem	Iran	(2011)
26.	Prof. Dr.-Ing. Klaus Rottcher	Germany	(2011)
27.	Prof. dr. Joong Dae, Choi	Korea	(2013)
28.	Mr. Brent Paterson	Canada	(2013)
29.	Ir. Simon Howarth	UK	(2014)
30.	Dr. Poolad Karimi	Iran	Associate Editor (2016)

III.K.4 — WG-HIST			
No.	Members	Country	Remarks
1.	Dr. Kamran Emami	Iran	Chair (2009)
2.	Prof. Dr. N. Hatcho	Japan	(1996)
3.	Mrs. Xuming Tan	China	(1997)
4.	VPH Laszlo Hayde	Hungary	(2001)
5.	VPH Hafied A. Gany	Indonesia	(2005)
6.	Mr. Charles L. Abernethy	UK	(2005)
7.	Prof. Jaekyoung Noh	Korea	(2014)
8.	VPH Chaiwat Prechawit	Thailand	(2014)
9.	Engr. Sirika Ahmad Abubakar	Nigeria	(2014)
10.	Mr. Antonio Linoli	Italy	(2014)
11.	VPH Gerhard Backeberg	South Africa	(2015)
12.	Prof. Dr. Abdul Sattar Shakir	Pakistan	(2015)
13.	Dr. Ing. Klaus Rottcher	Germany	Observer (2006)
14.	Dr. (Mrs.) B. Dolfing	The Netherlands	Permanent Observer
15.	IWHA representative - Dr. Ir. M. Ertsen	The Netherlands	Permanent Observer

III.K.5 — TF-VE			
No.	Members	Country	Remarks
1.	Dr. Kamran Emami	Iran	Chair (2013)
2.	Mrs. Remziye Yildiz Gulagaci	Turkey	Vice-Chair (2013)
3.	Ir. Nor Hisham M. Ghazali	Malaysia	Secretary (2013)
4.	VPH Francois Brelle	France	
5.	Mr. Suman Sijapati	Nepal	
6.	Dr. Toshihiko Kuno	Japan	
7.	Mr. Abijit Joshi (Direct Member), JISL	India	Provisional Member
8.	Mr. Yeolkar (Direct Member), JISL	India	Provisional Member

III.K.6 — TF-WWF8			
No.	Members	Country	Remarks
1.	PH Dr. Chandra Madramootoo	Canada	Chair (2015)
2.	PH Dr. Bart Schultz	Netherlands	(2015)
3.	VPH Dr. Shinsuke Ota	Japan	(2015)
4.	VP Dr. Bong Hoon Lee	Korea, Rep. of	(2015)
5.	VPH Laurie C. Tollefson	Canada	(2015)
6.	Dr. Somkiat Prajamwong	Thailand	(2015)
7.	MXCID representative	Mexico	(2015)
8.	Ing. Helvecio Mattana Saturnino	Brazil	(2015)
9.	Mr. Ali Reza Salamat	Iran	(2016)
10.	Dr. Amgad Elmahdi	Australia	Provisional Member (2016)
11.	Mr. Anuj Kanwal	India	Provisional Member (2016)
12.	Mr. Alaa Turki Khudhair Al-Masoodi	Iraq	Provisional Member (2016)
13.	Mr. Waleed Kh. Qassim Alhadidi (Young Professional)	Iraq	Provisional Member (2016)

14.	Er. Avinash C. Tyagi, Secretary General, Member Secretary		
-----	---	--	--

III.O.1 — WG-WATER & CROP			
No.	Members	Country	Remarks
1.	VPH Ragab Ragab	UK	Chair (2007)
2.	VPH Laurie C. Tollefson	Canada	Vice-Chair (2009)
3.	Dr. K. Yella Reddy	India	Secretary (2009)
4.	Prof. Dr. Mohd Amin Mohd Soom	Malaysia	(2011)
5.	Dr. Magdi T. Abdelhamid	Egypt	(2011)
6.	Mrs. Gao Hong	China	(2012)
7.	Prof. Dr. Allah Bakhsh	Pakistan	(2015)
8.	Ir. Adang Saf Ahmad	Indonesia	Provisional Member (2015)
9.	Dr. P. Soman (Direct Member), JISL	India	Provisional Member (2015)
10.	Dr. Nader Heydari	Iran	Provisional Member (2016)
11.	Dr. Wu Di	China	Provisional Member (2016)
12.	Ir. Abbas Fadhel Mohammed	Iraq	Provisional Member (2016)
13.	Ir. Shatha Salim Maged	Iraq	Provisional Member (YP) (2016)
14.	Mr. Syaiful Mahdi	Indonesia	Observer (2015)
15.	FAO representative		Permanent Observer
16.	CIGR representative - Mr. Herbert H. Van Lier		Permanent Observer
17.	Prof. D. Wrachien	Italy	Permanent Observer
18.	ICRISAT representative		Permanent Observer

III.O.2 — WG-PQW			
No.	Members	Country	Remarks
1.	VPH Samia El- Guindy	Egypt	Chair (2011)
2.	VPH R. Ragab	UK	(1997)
3.	VPH Karim Shiati	Iran	(1997)
4.	Dr. Leon van Rensburg	South Africa	(2010)
5.	Dr. Takanori Nagano	Japan	(2011)
6.	Dr. Tapas Kumar Biswas	Australia	(2012)
7.	Mr. Wu Wenyong	China	(2016)
8.	FAO Representative		Permanent Observer
9.	ICBA Representative	UAE	Permanent Observer

III.O.3 — WG-SON-FARM			
No.	Members	Country	Remarks
1.	Dr. A.K. Randev	India	(2005) Chair (2016)
2.	Mr. Carl Walters	Australia	(2015) Vice Chair (2016)

3.	Mr. Suman Sijapati	Nepal	(2013) Secretary (2016)
4.	VPH Jose A. Ortiz	Spain	(2003)
5.	Dr. Graziano Ghinassi	Italy	(2004)
6.	Mr. Hassan Shantia	Iran	(2006)
7.	Dr. Abraham Mehari Haile	The Netherlands	(2008)
8.	Mr. Mohd Yazid bin Abdullah	Malaysia	(2011)
9.	Dr. Akira Iwamoto	Japan	(2011)
10.	Dr. Chen, Ching-Tien	Chinese Taipei	(2012)
11.	Dr. Dickson Ahagbuje	Nigeria	(2014)
12.	Mr. Bashu Dev Lohanee	Nepal	(2015)
13.	Dr. Hossein Dehghani Sanij	Iran	(2015)
14.	Mr. Muhammad Tahir Anwar	Pakistan	(2015)
15.	Mr. S.P. Jadhav (Direct Member), JISL	India	(2015)
16.	Mr. Siboniso Phillip Mkhalihi	South Africa	(2016)
17.	Mr. Ömer Faruk Akbulut	Turkey	(2016)
18.	Mr. Yao Bin	China	Provisional Member (2016)
19.	Dr. Zhang Guohua (Young Professional)	China	Provisional Member (2016)
20.	Prof. Chang Eon Park	Korea, Rep. of	Provisional Member (2016)
21.	Eng. S. Mohanarajah	Sri Lanka	Provisional Member (2016)
22.	Mr. Suhad Jassim Obeed	Iraq	Provisional Member (2016)
23.	Mr. Hussein Shanan Abid Al-Hussein (Young Professional)	Iraq	Provisional Member (2016)
24.	Mr. Sher Singh	India	Observer (2016)
25.	Mr. M.S. Sudhakar (Direct Member), JISL	India	Observer (2015)
26.	Mr. Abijit Joshi (Direct Member), JISL	India	Observer (2015)
27.	Mr. Jano Anter	Germany	Observer (2011)
28.	Mr. Bruno Molle	France	Permanent Observer
29.	FAO Representative		Permanent Observer

III.S.1 — WG-IDM

No.	Members	Country	Remarks
1.	Ms. Mary Jean M. Gabriel	South Africa	(2015) Chair (2016)
2.	Mr. Ahmet Şeren	Turkey	Vice Chair (2016)
3.	Dr. Katsuyuki Shimizu	Japan	Secretary (2015)
4.	VPH Francois Brelle	France	(2015)
5.	Mr. Mohammad Kazem Siah	Iran	Provisional Member (2015)
6.	Dr. Wu Jingwei	China	(2015)
7.	Ir. Mat Hussin Bin Ghani	Malaysia	(2015)

8.	Mr. Ming-Young Jan	Chinese Taipei	(2015)
9.	Mr. Waleed Hassan	Egypt	(2015)
10.	Dr. Amgad Elmahdi	Australia	(2015)
11.	Dr. Narges Zohrabi	Iran	(2015)
12.	Eng. Abd Elsalam Mohamed Salih Idriss	Sudan	Provisional Member (2016)
13.	Mr. G.L. Bansal	India	Provisional Member (2016)
14.	Dr. Hanan Hussien Abbood	Iraq	Provisional Member (2016)
15.	Ms. Maryam Naeem Odaa Al-Obaidy (Young Professional)	Iraq	Provisional Member (2016)
16.	VP Ian Makin	UK	Observer (2015)
17.	VPH Hafied Gany	Indonesia	Observer (2015)

III.S.2 — WG-IOA

No.	Members	Country	Remarks
1.	VPH Hafied A. Gany	Indonesia	(2014) Chair (2015)
2.	Dr. Kazumi Yamaoka	Japan	Vice Chair (2015)
3.	Mr. Madhav Belbase	Nepal	Secretary (2015)
4.	Mr. Hasan Basri Yuksel	Turkey	(2015)
5.	Mr. Philip J. Riddell	UK	(2015)
6.	Dr. Seong Joon Kim	Korea	(2015)
7.	VP Ding Kunlun	China	(2015)
8.	Mr. Franck Sanfilippo	France	(2015)
9.	VPH Franklin Dimick	USA	(2015)
10.	Mr. Abdullahi Abdul Rahman Ogole	Nigeria	(2015)
11.	Dr. Yu-Chuan Chang	Chinese Taipei	(2016)
12.	Mr. Houshang Hasouni Zadeh	Iran	Provisional Member (2016)
13.	Mr. Ghassan Lutfi Ahmed	Iraq	Provisional Member (2016)
14.	Eng. (Ms.) Hend Emad Abd-Alrahman Alhendy (Young Professional)	Iraq	Provisional Member (2016)

III.S.3 — WG-M&R

No.	Members	Country	Remarks
1.	VP Ian Makin	UK	Chair (2015)
2.	Dr. Dong Bin	China	(2014) Vice Chair (2015)
3.	Engr. Muhammad Sani Bala	Nigeria	Secretary (2015)
4.	Mr. Vyacheslav Rozhon	Ukraine	(2014)
5.	Mr. Mehrzad Ehsani	Iran	(2014)
6.	Ir. Eko Subekti	Indonesia	(2014)
7.	Dr. Yohei SATO	Japan	(2015)
8.	Mr. Bir Singh Dhami (Young Professional)	Nepal	(2015)
9.	Dr. Kwang-Sik Yoon	Korea	(2015)

10.	Mr. Mohd Yazid bin Abdullah	Malaysia	(2015)
11.	Ms. Meral Çiçek	Turkey	(2015)
12.	Mr. Puleng Mofokeng	South Africa	(2015)
13.	Dr. Brian T. Wahlin	USA	(2015)
14.	Mr. Usman-e-Ghani	Pakistan	Provisional Member (2016)
15.	Mr. Ali Omran Ali	Iraq	Provisional Member (2016)
16.	Mr. Firas Husain Ali (Young Professional)	Iraq	Provisional Member (2016)
17.	Mr. Alan Kendall Clark	UK	Permanent Observer (2015)
18.	FAO Representative- (Ms. Robina Wahaj)		Permanent Observer (2015)

III.S.4 — WG-SDRG

No.	Members	Country	Remarks
1.	Mr. Bernard Vincent	France	Chair (2013)
2.	Dr. Momon Sodik Imanudin	Indonesia	Vice Chair (2013)
3.	Dr. James Ayars	USA	(2013)
4.	VPH Brane Maticic	Slovenia	(2013)
5.	Mr. Chen Hung-Kwai	Chinese Taipei	(2013)
6.	VPH Shinsuke Ota	Japan	(2013)
7.	Dr. Yurii Yanko	Russia	(2013)
8.	Dr. Gurbachan Singh	India	(2013)
9.	Mr. Mati Tonismae	Estonia	(2013)
10.	Mr. Ardavan Azari	Iran	(2013)
11.	Ms. Helena Aijo	Finland	(2013)
12.	Dr. Ashraf El Sayed Ismail	Egypt	(2013)
13.	Ms. Wang Shaoli	China	(2013)
14.	Ir. Mohd Anuar Musardar bin Yusoff	Malaysia	(2013)
15.	Dr. M.N. Bhutta	Pakistan	(2013)
16.	Dr. Hajime Tanji	Japan	(2014)
17.	Prof. Ir. Robiyanto Hendro Susanto	Indonesia	(2014)
18.	Dr. Henk Ritzema	Netherlands	(2015)
19.	Mr. Krishna Prasad Rijal	Nepal	(2015)
20.	Mr. Yeolkar (Direct Member), JISL	India	(2015)
21.	Prof. Seong Joon Kim	Korea, Rep. of	(2016)
22.	Dr. (Ms.) Naoko Koshiyama	Japan	(2016)
23.	Dr. (Ms.) Bilge Omar	Turkey	(2016)
24.	Prof. Aidan Senzanje	South Africa	Provisional Member (2016)
25.	Mr. Raed Abbood Awad	Iraq	Provisional Member (2016)
26.	Mr. Amjed Mohammed Abbas (Young Professional)	Iraq	Provisional Member (2016)

III.S.5 — WG-WATS

No.	Members	Country	Remarks
1.	Mr. Mehrzad Ehsani	Iran	Chair (2015)
2.	VPH Adama Sangare	Mali	Vice Chair (2015)
3.	Mr. Mortaza Yazdekhasti (Young Professional)	Iran	Secretary (2016)
4.	Prof. (Ms.) Kyung-Sook Choi	Korea	(2015)
5.	VPH M. Hassan Amer	Egypt	(2015)
6.	Dr. Hassan Aboalbasher Ali	Sudan	(2015)
7.	Dr. P. Soman (Direct Member), JISL	India	(2015)
8.	Dr. Joe Stevens	South Africa	(2016)
9.	Ms. Jianxin Mu	China	(2016)
10.	Mr. Kamal Kumar Jangid	India	Provisional Member (2016)
11.	Mr. Yalçin Dalgın	Turkey	Provisional Member (2016)
12.	Mr. Dhuha Mahmood Hussein	Iraq	Provisional Member (2016)
13.	Mr. Mohammed Alaa Dheyaa (Young Professional)	Iraq	Provisional Member (2016)
14.	Mr. S.P. Jadhav (Direct Member), JISL	India	Observer (2015)
15.	Eng. S. Mohanarajah	Sri Lanka	Follow up with NC (2015)
16.	Mr. Abijit Joshi (Direct Member), JISL	India	Follow up with JISL (2015)
17.	IWMI Representative- Mr. Ian W. Makin	UK	Permanent Observer (2015)
18.	FAO Representative- (Ms. Robina Wahaj)		Permanent Observer

Note: Secretary General, ICID or his representative will be Member of each WG or TF.

Strategy Themes: B - Basin; K - Knowledge; O - On-Farm; S - Schemes



BROAD RECOMMENDATIONS OF THE TASK FORCE ON REVITALIZATION OF ICID NETWORK (TF-REV)

Based on the information collected and evaluated by ICID in an effort to assist NCs to become viable and sustainable, the following recommendations are provided for NCs to consider. It is recognized that the construct of NCs is variable. Therefore not all recommendations may be applicable for each NC. Implementation of the applicable recommendations will assist the NCs to fulfil their respective mandates in light of SDGs and the new ICID vision.

1. On the interrelationships between ICID, the NCs and the national stakeholders engaged with AWM and the effectiveness of the network in fulfilling the new vision and the role of NCs of ICID vis a vis other professional organizations within the countries in water sector such as country water partnerships, the following measures are recommended:

- (a) review their constitution, membership and organization to broad-base their structure to include all stakeholders related to AWM in line with the Peter Lee Committee Report;
- (b) where feasible, broaden their scope to enable it to play a role in national rural development context in accordance with the new ICID vision;
- (c) develop proper linkages with the relevant government departments and ministries to serve as an inter-disciplinary exchange platform;
- (d) consider having a Management Committee and a general body with individual membership from across various AWM disciplines, departments and institutions;
- (e) improve their visibility at the National Level by organizing important technical events, say in the form of a Seminar on ICID Foundation Day or during the Annual general body meeting;
- (f) provide the mailing list of all their members (individual members, members of the National Committees, members of governing boards etc.) to the CO for seamless dissemination of information;
- (g) establish a communication systems with all their members and stakeholders; and
- (h) for those NCs which have lost their bearings due to re-organization of ministries and departments, the past and present ICID members from these countries should come together and make fresh efforts keeping the above points in view.

2. In respect of long-term financial sustainability of the NCs and for improving the profile of NCs within the countries, the following recommendations are provided:

- (a) consider tapping the private sector from their country, particularly those in international consultancy and development works, in making their NCs financially sustainable and less dependent of government support;
- (b) explore the possibility of getting development agencies on board;
- (c) to showcase their activities and provide platform for networking etc. consider organizing at least one annual event;
- (d) inform NC members of dual membership (NC as well as ICID) with a single subscription;
- (e) undertake professional activities to raise resources jointly with other water sector professional groupings;
- (f) maintain a proper information and dissemination mechanism; and
- (g) be proactive and provide strategic advice to governments based on sharing of international experiences through ICID network.

3. Regarding the TOR on the reasons for the withdrawal of the European NCs in the recent past, the TF recommends that the term of the Task Force be extended for one more year to analyse the reasons and make recommendations.



**Report of the 37th Meeting of the
PERMANENT FINANCE COMMITTEE (PFC)
10 November 2016: 09.00-10.30 hours (Session I)
10 November 2016: 11.00-12.30 hours (Session II)
Chiang Mai, Thailand**

Members Present: (1) Vice President Laurie Tollefson, Chairman (Canada, 2013); (2) President Hon. Prof. Dr. Bart Schultz (The Netherlands, 2011); (3) Ms. Serpil Koylu Dalgin (Turkey, 2012); (4) Mr. Naoki Hayashida (Japan, 2014); (5) Dr. Irene Bondarik (Russia, 2014); (6) Mr. Alireza Salamat (Iran, 2016) and (7) Er. Avinash C. Tyagi, Secretary General, ICID.

Observers Present: (i) President Hon. Peter Lee (UK); (ii) Vice President Dr. Hüseyin Gundogdu (Turkey); (iii) Mr. Anuj Kanwal (India); (iv) Secretary Mr. Bashu Dev Lohanee (Nepal); (v) Vice President Mr. Madhav Belbase (Nepal); (vi) Mr. Jean-Yves Grosclaude (France); (vii) Mr. Carl Walters (Australia); (viii) Chairman Mr. Stephen Mills (Australia); (ix) Mr. Warren Hegason (Canada); (x) Vice President Ian William Makin (UK); (xi) Mr. Mikaeil Hosseini (Iran); (xii) Secretary General Mr. Marco Arcieri (Italy); (xiii) Mr. Kirsty Winning (Australia)??; (xiv) Chief Executive Officer Mr. Bryan Ward (Australia); (xv) Mr. Syaiful Mahdi Naumin (Indonesia); (xvi) Prof. Dr. Tsugihiko Watanabe (Japan); (xvii) Mr. Bilge Omar (Turkey); (xviii) Mr. Ashrof Makvandi (Iran); (xix) Mr. Iraj Heidariyan (Iran); (xx) Vice President Hon. Mr. Felix Britz Reinders, ICID (South Africa); (xxi) Secretary General, Masao Miyazaki (Japan); (xxii) Mr. Narges Zohrabi (Iran)

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

1. A conversion rate of US\$1 = ₹ 62 was assumed in the forecast for year 2015-16 on the basis of exchange rate in the preceding 15 months of 2014-2015. Subscriptions actually received were converted based on the prevailing exchange rates. The difference in the budgeted receipts and the actual receipts due to change in exchange rate are accounted for as part of 'other receipts'.

2. Based upon average exchange rate of US \$ and ₹ for the last fifteen months from April 2015 to June 2016, an exchange rate of US\$1 = ₹ 66 has been assumed for the Revised Budget (proposed) for the year 2016-17, Budget for Financial Year 2017-18 and Preliminary Budget for 2018-19 and Forecasted budget for the Financial Years 2019-2020.

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

3. The Committee recommended for the approval of membership of Mr. Alireza Salamat to the PFC as nominated by Iranian National Committee on Irrigation and Drainage (IRNCID) for 6 years term.

4. In view of the absence of Mr. Hazim Ibrahim Othman Mohammed, nominated by Iraq National Committee (IRQCID) PFC recommended his membership to PFC as provisional.

PFC Minutes Item 2: Report of the Direct Membership Administering Sub - Committee

5. Based on the report of DMA Sub-committee, the PFC recommends to IEC for acceptance of the following as Direct Members of ICID.

Sl. No.	Name of Applicants	Country	Category	Duration of membership
1.	Dr. Ashish Pandey	India	Individual	Life Membership
2.	Prof. Umesh C. Chauebe	India	Individual (Retiree)	Life Membership
3.	Asian Development Bank (ADB)	Philippines	Institution	1 Year
4	Dr. R. Mahesh	India	Individual (Young Professional)	1 Year
5	Central Board of Irrigation and Power (CBIP)	India	Institution	1 Year

6. Secretary General informed that Direct Membership with the present fee structure is not financially profitable, however, it fulfils one of the requirements to make the ICID network more inclusive by offering chance to those institutions and individuals who cannot be part of the network through the NCs. As such, he pointed out, there has not been any special drive for getting more direct members. Members appreciated the efforts put in by Central

Office to get Asian Development Bank as member. The Committee stressed the need for inviting other regional and other financial institutions to be part of ICID by taking direct membership. Secretary General sought the opinion of the Committee whether the membership of the institutions could be taken for longer duration. Members feel that three years membership is sufficient.

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

7. PFC noted with regret that the Czech National Committee has not cleared its subscription dues for the years 2013, 2014 and 2015. PFC recommended that Czech may be given the last chance to clear their dues by 31 December 2016, failing which they may be relegated to become “Associate Member” with effect from 1 January 2017.

8. Since National Committees Brazil, Italy, Zimbabwe, Nigeria, Saudi Arab, and Spain have not cleared their outstanding dues of two years, in addition to the current year i.e., 2016, PFC considered and recommended IEC to apply By-law 13.1 debarring the National Committee from holding office – whether it be as Office Bearer or as a member of a work body until such time the arrears are paid.

9. PFC noted that **Somalia (SONCID) (applied for membership)** National Committee of ICID has paid US\$ 1,827 towards membership subscription for the year 2017, calculated on the existing formulae, as an advance subscription. PFC recommends to IEC to admit Somalia as a new member of ICID commencing its membership w.e.f. 01.01.2017. The Committee also recommends to place on record its appreciation of Somalia for paying the advance subscription of 2017. The PFC also noted the appreciation of FAO for sponsoring Somalian Subscription in advance for 2017.

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

PFC Minutes Item 4.1. 66th IEC and 26th ERC Meeting held at Montpellier, France in October 2015

10. PFC thanked the French National Committee on Irrigation and Drainage (AFEID) for making special contribution to ICID budget amounting to the tune of Euro € 29,317 as 15% share from the registration fees collected (Euro € 195,444) from the 66th IEC Meeting and 26th ERC held in Montpellier, France, in October 2015. The Committee recommends that IEC may like to record its appreciation to AFEID.

PFC Minutes Item 4.2. 4th African Regional Conference on Irrigation and Drainage held at Cairo, Egypt during 26-28 April 2016

11. PFC noted that the financial support of about (US\$ 40,000) to Egyptian National Committee (ENCID) was provided for organizing the Training Program for Young Professionals from Africa on ‘On-farm water use and management’ from 17-25 April 2016 in Cairo, Egypt and their participation in 4th African Regional Conference. The Committee also thanked the Egyptian National Committee (ENCID) for facilitating organization of the Training Program.

PFC Minutes Item 5: Financial proposals for the forthcoming ICID events

12. PFC was informed that the Management Board had already allowed IRNCID to reduce the registration fee for the 13th International Drainage Workshop 04-07 March 2017, Ahvaz City, Iran, as they had requested in March 2016. It was clarified that ICID, as a policy was in favour of keeping the registration fees for ICID events.

13. Some members raised the issue of high registration fee for the ICID events, which they expressed was responsible for some of the participants, particularly from developing countries, unable to join the events. It was pointed out that the registration fee in ICID for the last five years have remained almost constant, and that it was largely up to the host NCs to appropriately fix the registration fee keeping other expenditure and revenues for the event in mind.

14. PFC recommended IEC to approve the following financial proposals, including fee structure of the host NCs; IRNCID for the 13th IDW; MXCID for 68th IEC and 23rd Congress, 8-14 October 2017, Mexico City, Mexico,. PFC considered the financial proposal presented by the host NCs for the events that have been already been approved by IEC in its earlier meetings in respect of 8th Asian Regional Conference, Kathmandu, Nepal, 2018 by NENCID; for the 69th IEC and Regional Conference in Saskatoon, Canada in 2018 by CANCID; and for the 9th International Micro Irrigation Conference at Aurangabad, India in February, 2019 by INCSW. It was pointed out that the any concession offered by the host NC for Early Bird Registration would be over the Full Registration.

Year	2017	2017	2018	2018	2019
Venue	Ahvaz City, Iran	Mexico City, Mexico	Kathmandu, Nepal	Saskatoon, Canada	Aurangabad, India
Event	13 th IDW	68 th IEC and 23 rd Congress	8 th ARC	69 th IEC and Regional Conference	9 th IMIC
	Rate	Rate	Rate	Rate	Rate
Full registration	\$350	\$800	\$500	\$ 750	\$500
Non-member fee	\$ 400		\$650		
Young Professionals (International)	\$175	\$400	\$250	\$ 375	\$250
Retired professionals (International)	\$150	\$ 400	\$ 250	\$ 375	\$250
Accompanying Persons (International)	\$150	\$ 300	\$ 150	\$ 300	\$200
Local/Delegates	\$150	\$ 500	\$ 150	\$ 400	\$200
Young Professionals (Local)	\$ 100				\$100

15. PFC also considered the financial proposals presented by IRNCID and INACID representatives for hosting the 3rd WIF and 70th IEC in 2019 in Tehran and Bali respectively. The PFC was also presented the financial proposal for the 71st IEC and 24th Congress proposed to be hosted in Sydney, Australia, by Australia National Committee on Irrigation and Drainage (IAL). PFC noted the following fee structure for these events as follows, subject to approval of the events by IEC.

Year	2019	2019	2019	2020
Venue	Aurangabad, India	Tehran, Iran	Bali, Indonesia	Sydney, Australia
Event	9 th IMIS	70 th IEC and 3 rd WIF	70 th IEC and 3 rd WIF	71 st IEC and 24 th Congress
	Rate	Rate	Rate	Rate
Full registration	\$500	\$ 750	\$800	\$800
Non-member fee				\$ 900
Young Professionals (International)	\$250	\$ 375	\$400	\$400
Young Professionals (Local)	\$100	\$ 100		
Local Delegates	\$200	\$ 200	\$200	\$800
Retired professionals (International)	\$250	\$ 375	\$400	\$400
Retired professionals (Local)	\$100			
Accompanying Persons (International)	\$200	\$ 300	\$300	\$ 300
Accompanying Persons (Local)	\$100			

PFC Minutes Item 6: To discuss the audited accounts of ICID for the year 2015-16 and recommend to the IEC

16. The Committee considered the Audit Report of M/s P.K. Chopra & Co., Statutory Auditors for the financial year 2015-16 presented in **Annex R1.1, page 13**. On a query from the members, Secretary General informed that almost two-third of the revenues are contributed by the income from the rent of office building. The PFC recommended the Audit Report for the FY 2015-16 submitted by M/s P.K. Chopra & Co., for approval.

17. The Committee was informed that the arrears of subscriptions during the current year represent the time lag in remittance of subscription by NCs which is normal. The Committee was informed that in the Financial Statement published in the Annual Report, from the next year, the Balance Sheet would include Income and Expenditure Account as well as Receipt and Payment Account.

18. The Committee was informed that the current Foreign Currency Account in HSBC Bank in London, is presently non-operative as some difficulties are being faced in getting the changes made in the signatories despite best efforts (Refer Minutes of 36th PFC, Item No. 11.2).

19. PFC noted that the Receipts and Payment Account of the ICID Employees Provident Fund Trust for the year 2015-16 were also audited by the auditors. SG informed that these accounts are being presented to PFC/IEC after a long gap. He pointed out that due to this there has been some kind of slackness. It was pointed out that some discrepancies pointed out are being attended to. SG pointed out that the audit of the Employees Provident Fund Trust is being placed before the PFC as the IEC through PFC has to keep a watch on the Employee welfare.

PFC Minutes Item 7: Budget and Actual Payments for the financial year 2015-16

20. The Committee noted that there has been an overall surplus of Rs. 7.75 million against a surplus of Rs. 1.19 million as envisaged in the revised budget for 2015-16 due to higher receipts mainly due to the favourable exchange rate and contribution from AFEID against its registration fee share of the 66th IEC and 26th ERC meeting held at Montpellier, France.

21. The Committee noted that during the financial year 2015-16 an amount of US\$ 50,000 was received as grant from the Ministry of Water Resources, China in four tranches for certain specified activities such as supporting Young Professionals and selected delegates from developing and least developed countries to attend meetings of ICID, Support to translation of the English version of Multilingual Technical Dictionary (MTD) of Irrigation and Drainage in Chinese and publishing the Chinese version, etc. Further, a sum of US\$ 13,480 was also received during the F.Y. 2015-2016 as Special Member contribution from Ministry of Water Resources, China towards the fulfilling of ICID's Mission. The Committee recorded its appreciation to CNCID for the grants provided for specified activities of ICID.

22. The Committee also noted that during the financial year 2015-16, a sum of US\$ 10,000 was also received as a grant from Korean National Committee of ICID (KCID), for specific activities such as modernization of library services, upgradation of web services and upgradation of computer hardware & software, the Training Workshop for Young Professionals on Integrated Flood Management during 66th IEC in Montpellier. PFC also recorded its appreciation to KCID for their support.

23. The committee also noted that during the financial year 2015-16, US\$ 20,156 was received as grants from Korean National Committee (KCID) through Korean Rural Community Corporation (KRC) for the supporting a Fact Finding Mission to Democratic Republic of Korea with a view to develop "Capacity Development Strategy for Agriculture Water Management" at the request of the DPRK Embassy in New Delhi. A sum of Rs. 0.43 million (US\$ 7,029) was also received from KCID for supporting YPs from Africa to attend Training program and 4th ARC in April, 2016 in Egypt. PFC also recorded its appreciation to KCID for their support.

24. Further a sum of US & 10,000 that is US\$ 5,000 each have been received from Korean National Committee and Chinese National Committee for supporting the publication of Special issue of ICID Journal on Sustainable Development Tidal Areas (SDTA).

25. The Committee also noted that during the financial year 2015-16, an amount of CHF 15000 (~US\$ 16,000) was received as grant from the World Meteorological Organization (WMO), Switzerland for supporting organization of 2nd Climate Services User Forum of Water Sector in South Asia (The Water Forum) which was held in Dhaka, Bangladesh in April 2015. Further a sum of US\$ 14,700 was also received during the F.Y. 2015-2016 as a grant from World Meteorological Organization (WMO), Switzerland for the Training Workshop for Young Professionals on Integrated Flood Management during 66th IEC in Montpellier. PFC also recorded its appreciation to WMO for their support.

PFC Minutes Item 8: To consider revised budget proposal for the current FY 2016-2017; budget proposal for FY 2017-2018; proposal for preliminary budgets for FY 2018-2019 and forecast budget for FY 2019-2020

26. The Committee was informed that Central Office is operating with 17 staff members. It may be pointed out that despite the new activities being undertaken and proposed to be undertaken during the next financial year, the work is being accomplished through the existing staff and partly by hiring the services of consultants on temporary basis. During the FY 2015-16, an amount of INR₹ 25.77 million (US\$ 390,348) is budgeted for staff salary for the FY 2016-2017 which includes INR₹ 2.00 million (US\$ 30,303) estimated to be paid to short-term consultants engaged on temporary basis, as their professional fee, for specific jobs.

27. Budget provision include payments due to anticipated revision of salary structure to be undertaken in the light of the revised pay structure of government employees in India, which ICID has to be guided by. An increase of about thirty per cent is assumed due to the anticipated pay increments and inflation as. The revision of the pay scales of CO staff is being taken up separately through the Staff Committee and will be presented to PFC thereafter.

28. It was pointed out that higher allocation has been made towards payment to Land & Development Office (L&DO) which is 10% of the total rental receipts from let out property to M/s Yes Bank and the higher Property Tax, which is calculated based on the total rent, has also increased. The provisions also include arrears of property tax not fully paid during the FYs 2010-2011, 2011-2012 & 2012-2013.

29. The Committee was informed that revised amount of INR₹ 2.90 million (US\$ 43,939) has been provided against an original provision of INR₹ 2.0 million for this financial year for organization of workshops, trainings and studies.

30. The Committee considered the revised budget for the FY 2016-2017 and recommended it to be approved. However, the provision for salaries on the revised rates shall be effected only after the report of the Pay Committee is accepted and approved by IEC.

31. The Committee also considered the budget proposal for the FYs 2017-2018, preliminary budget for 2018-2019 and forecast budget for 2019-2020 as presented at **Annex R1.2, page 17**.

32. The Committee recommends to IEC for the acceptance of the revised budget for FY 2016-2017 and the proposed budget for FY 2017-2018, preliminary budget for FY 2018-2019 and forecast budget for 2019-2020 by IEC as presented in **Annex R1.2, page 17**.

PFC Minutes Item 9: Surplus / Deficit and Cash Reserve

33. The Committee noted that there is likelihood of a surplus of INR₹ 0.36 million for the FY 2016-2017. Also INR₹ 2.01 million, INR₹ 0.47 million and INR₹ 5.67 million are expected to be surplus for the FY 2017-2018, FY 2018-2019 and FY 2019-2020 respectively. PFC was informed that the total Cash Reserves as at the beginning of the FY 2016-17 is INR₹ 18.28 million. The Committee realized that this is not a very healthy sign for the financial sustainability of any organization and recommended that after meeting all the liabilities the Cash Reserve may be allowed to be build up at least equal to the estimated annual payments.

PFC Minutes Item 10: Report of the Task Force on Revitalization of ICID Network

34. The Chairman, VPH Dr. Huseyin Gundogdu of Task Force of Revitalization of ICID Network, will present the report during the 37th PFC meeting of 67th IEC at Chiang Mai, Thailand.

PFC Minutes Item 11: Interim report of the Task Force on Review of Annual Subscriptions

35. The Chairman, VPH Laurie Tollefson has been reviewing the Membership Structure and Annual Membership Subscription Formulae and will present the report during the 37th PFC meeting of 67th IEC at Chiang Mai, Thailand.

36. The Committee noted that on the recommendation of 36th PFC meeting, IEC at its the 66th meeting held at Montpellier decided to set up a Task Force to Review the Membership Structure and Annual Subscription Formulae (Res IEC-1/66). The T.F. held its first virtual meeting on 29 June 2016 and directed SG to undertake in-depth analysis for a long term financial sustainability of ICID, of the major components of income: annual membership subscription, ICID share from the events, interest from investments and part lease of the CO building. The TF agreed to the SG's suggestions of engaging a consultant to develop a resource mobilization strategy for

ICID and its long-term financial sustainability. The Committee was informed that TF plans to finalize its report by April/May 2017. The interim report of TF will be presented by Chair PFC.

PFC Minutes Item 12: Any other items

37. The Committee was informed that as per the latest guidelines of Reserve Bank of India and Foreign Contribution Regulation Act (FCRA) Rules & Regulation in India, an institution cannot hold more than one account and hence the ICID Central office US Dollar Account No. 015741000002 and Euro Account No. 0157243000001 are being closed w.e.f. 1st January 2017. FCRA designated current account 0157201000032 will now be the ONLY account with details of address, SWIFT nos etc as given below will be in operation w.e.f. 1st January 2017.

38. PFC urged all National Committees to transfer their remittances as per details given in the table below. Alternatively, they can send their remittance by Bank Draft in favour of INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE, payable at New Delhi, India.

When Remitting in US\$	When Remitting in Euros
<p>Current A/c No. 0157201000032 International Commission on Irrigation and Drainage Canara Bank Diplomatic Enclave Branch Chanakyapuri NEW DELHI - 110021 INDIA</p> <p>SWIFT Code: CNRBINBBDFS Through Acct No. 6550791917 of Canara Bank, International Division, Mumbai (SWIFT Code: CNRBINBBID) with Bank of America, NY (SWIFT Code: BOFAUS3N)</p>	<p>Current A/c No. 0157201000032 International Commission on Irrigation and Drainage Canara Bank Diplomatic Enclave Branch Chanakyapuri NEW DELHI - 110021 INDIA</p> <p>SWIFT Code: CNRBINBBDFS Through Acct No. 40087502001 of Canara Bank, International Division, Mumbai (SWIFT Code: CNRBINBBID) with COMMERZ bank, Frankfurt (SWIFT Code: COBADEFF)</p>

Note: Both accounts as above are the same except the SWIFT Code in the last line.



Report of the 27th Meeting of the
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)
 10 November 2016, 13.30-17.00 hours
 Chiang Mai, Thailand

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 Present: (1) Vice President Hon. Dr. Hüseyin Gündoğdu, Chairman (Turkey, 2012); (2) Vice President Hon. Mr. Laurie C. Tollefson (Canada, 2012); (3) Vice President Hon. Mr. François Brelle (France, 2012); (4) Vice President Dr. Ir. Basuki Hadimoeljono (Indonesia, 2013); (5) Vice President Mr. Kadhim Mohsin Ahmed (Iraq, 2013); (6) Vice President Er A.B. Pandya (India, 2013); (7) Vice President Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2014); (8) Vice President Dr. Ding Kunlun (China, 2014); (9) Vice President Bong Hoon Lee (Korea, 2014); (10) Vice President Prof. Dr. Charlotte de Fraiture (The Netherlands, 2015); (11) Vice President Mr. Ian William Makin (UK, 2015); (12) Vice President Prof. Dr. Abdelhafid Debbarh (Morocco, 2015) and (13) Er. Avinash C. Tyagi, Secretary General, ICID.

Ex-Officio Members Present: (1) Chairman, African Regional Working Group (AFRWG); (2) Chairman, European Regional Working Group (ERWG); (3) Chairman, Asian Regional Working Group (ASRWG); (4) Convener, ICID Young Professional's e-Forum (IYPeF); (5) Chairman, Committee on Congresses/Conferences (C-CONGR) and (6) Chairman, Working Group on Irrigation and Drainage in States under Socio-Economic Transformation (WG-IDSST).

PCSO Minutes Item 1: ATR on the Minutes of the 26th Meeting of PCSO

1. The Committee noted the Action Taken Report.

PCSO Minutes Item 2: Membership of PCSO and its Workbodies

2. Based on the recommendations of the various workbodies associated with it, PCSO reviewed the membership and recommended for acceptance by IEC. Consequent upon the acceptance by the Council, an updated consolidated membership of all workbodies, including those of PCSO and its workbodies, is given in **Annex 5 (page 33)**.
3. In terms of ICID By-law 3.9.5 (c), the Committee was informed that VP Bong Hoon Lee (Korea) had been designated as the Chairperson of PCSO, which was subsequently approved by IEC. The Chairperson shall serve the Committee during his tenure of membership of the Committee.
4. In order to give fillip to the increasing involvement of Young Professionals in ICID activities, the PCSO nominated Ms. Kathleen Heuval, the Coordinator of IYPeF (Ref: Item 8.2) as Vice Chairman for the Committee.

PCSO Minutes Item 3: Membership of ICID

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

5. The Committee recommended that membership application of Somalia be accepted for membership of ICID, as supported by PFC. The Committee recorded its special appreciation to FAO for promoting ICID in African countries, which resulted in the membership of Somalia. The Committee noted that the Czech NC is likely to become 'Associate Member' with effect from 01 January 2017, if they do not pay their subscription arrears by then.

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

6. The Committee noted the role of Vice Presidents in strengthening the regional cooperation and activities of National Committees allocated to them and expressed its satisfaction. The Committee appreciated the efforts of Royal Irrigation Department of THAICID, INACID, KCID and CNCID for their efforts in furthering the membership of ICID through their government contacts.

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

7. The Committee noted the recommendations of DMA Sub-Committee of PFC's recommendation for the Direct membership of five new members, particularly the Asian Development Bank and recommended that more financial institutions and regional banks may be approached soliciting their membership in ICID as direct members.

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

8. It was recalled that the report had already been presented informally at the Presidents Get-together on 7th November and formal and informal discussions had been held at various fora. The Committee considered the report presented by the Chair of TF-REV, VPH Dr. Huseyin Gundogdu and re-emphasized that NCs are the backbone of ICID. It was recalled that as part of the work of CG for drawing up an Action Plan 2030, a questionnaire had been circulated to all the NCs to get their inputs in order to analyze the role being played by the NCs within the water sector in the country, the administrative, legal and financial set up of the NCs and the networking and dissemination being used by the NCs. It was pointed out that only 22 NCs had provided the requisite information.

9. Based on this limited inputs TF had prepared certain recommendations. However, the TF during its meeting just before the commencement of WIF2 had reviewed the situation and had recommended that more time may have to be given to the NCs for providing their inputs. Broad recommendations of the TF-REV which have been reviewed are presented in **Annex 6 (page 40)** and are recommended by PCSO for Council's approval (and subsequently approved by IEC). PCSO reiterated that implementation of the applicable recommendations will assist the NCs to fulfil their respective mandates in light of SDGs and the new ICID vision. PCSO, based on the request of members and reported by TF-REV, recommended extension of the term of the TF for another year (later approved by the IEC).

PCSO Minutes Item 4: ICID Vision 2030 – ICID Action Plan 2030

10. The Committee was informed that Consultative Group, established to chalk out a Vision and subsequently requested to draw up an Action Plan had invited inputs from the NCs and WGs for the Action Plan. It was also informed that very limited inputs were received from NCs (as reported in Item 3 above) as well as Working Groups. It was recalled that the actions to convert vision to actions and meeting the requirements of the NCs have to be essentially undertaken by the WGs. Considering the limited inputs (from 4 WGs), an item for discussion was included in the Agenda of all WGs. The Draft Action Plan 2030 developed by CG and presented at the meeting was therefore limited in scope. Expecting inputs from various WGs and inputs from NCs the Committee decided not to present the Action Plan to IEC in its present form. At the same time members were of the view that the exercise for developing the Action Plan should not be allowed to linger on. PCSO therefore, agreed to recommend the following way forward with the time schedule as indicated below (which was subsequently approved by the IEC).

- | | | |
|-----|-----------------|--|
| (a) | 15 January 2017 | New inputs from NC and WGs |
| (b) | 1 March 2017 | CG to finalize 2nd draft of the Action Plan 2030 and send for MB approval |
| (c) | 15 March 2017 | Approval by MB of 2nd draft Action Plan |
| (d) | 1 April 2017 | Send approved 2nd draft of the Action Plan to all NCs for their comments and suggestion, if any within 45 days |
| (e) | 15 May 2017 | Finalization and approval of revised Action Plan 2030 incorporating suggestions and comments of NCs and its |
| (f) | June 2017 | Approval of the Action Plan 2030 by the Management Board |

PCSO Minutes Item 5: International Research Program for Irrigation and Drainage (IRPID) Scheme

11. President Dr. Saeed Nairizi, intervening on behalf of VPH Felix Reinders, Chair of the Advisory Committee on IRPID, emphasized the need for ICID and its NCs to be more pro-active in terms of the direction of research in the field of Irrigation and Drainage. He emphasized the need for the network of Regional Nodes (RNs) under IRPID to be expanded and pointed out that, in accordance with the original concept, these RNs can be covering geographical regions as well as also be thematic topics. He also pointed out that as first step the member NCs of the RNs should help collect information about the research institutions engaged in AWM within their countries as the first step. In the second step, information on the research projects they are engaged, need to be listed. This information could be shared on a web page of ICID. There were no objection to the IRPID Scheme approved by MB which was presented to IEC's for its consideration subsequently. IEC after discussion approved the scheme.

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

12. The Committee appreciated the increasing cooperation with International Organizations and collaborative activities undertaken during the year 2015-16 benefitting a number of ICID member countries in Africa, Asia and European regions.

13. The Committee appreciated ICID for the initiation of World Water Systems Heritage (WSH) program in collaboration with the World Water Council, which will be launched in November 2016 at Marseille, France during WWC's 20th anniversary celebrations and 60th Board of Governors (BoG) meeting.

14. The Committee noted the memorandum of understanding (MoU) signed between ICID and IWA for cooperation at NC level in Iran in September 2016 on the use of wastewater for agriculture and encouraged the concerned Working Groups for cooperation with IWA.

15. PCSO also noted the renewed interest of the World Bank to work with ICID and its NCs, particularly for their enhanced participation in the 23rd Congress. It also advised to continue cooperation initiated with the Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia and also recommended to initiate cooperation with the Australian Council of Agriculture Research. The Committee appreciated the efforts of the Secretary General and the President for their efforts to broaden the cooperation with international and regional organizations. However, it cautioned that whenever inviting the partner organizations to ICID meetings, they be informed of the sensitive relationship and understanding regarding the Chinese National Committee and the Chinese Taipei Committee.

PCSO Minutes Item 7: Review of reports of Regional Working Groups (RWGs)**PCSO Minutes Item 7.1: African Regional Working Group (AFRWG)**

16. Dr. Mohammad Wahba, Chair-elect of AFRWG presented the report of the Group. The Committee noted efforts of the AFRWG in the direction of capacity building of professionals from Africa, expansion of membership of the group through Southern African Regional Irrigation Association (SARIA) and other regional associations etc.

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

17. VP Ian Makin, Chair of ERWG presented its report and based on the report, the Committee recommended that the term for the TF- REV may be extended by one year, which was later approved by IEC, in order to collect additional information from NCs and that the report of the TF to be presented at 67th IEC be considered as an interim-report.

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

~~18.~~ VPH Dr. Karim Shiati, Chair of ASRWG presented his report of ASRWG and highlighted the regional cooperation among the CTCID, INACID and MANCID, collaboration with PAWEES and contribution to special issue of the Journal of the African – Asian Rural Development Organization (AARDO). The WG will bring out its technical report in 2017 as well. The Nepal National Committee will be hosting the 8th Asian regional Conference in 2018. The PCSO appreciated the activities of the WG and accepted the memberships of Mr. Jaraev (Uzbekistan) and Prof Wang Aiguo in place of Mr. Wang Xiadong (China).

PCSO Minutes Item 8: Review of reports of Working Groups/Committees**PCSO Agenda Item 8.1: Working Group on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST)**

19. Presenting the report on behalf of the Chair, SG informed that the Group has decided that every year each country prepare/compile/ share information about existing situation in respect of development of irrigation and drainage which should be published through ICID web pages and other available web site such as SIC-ICWC. The Group requested Central Office to provide financial support for e-publication and translation in English. The WG also proposed organization of a regional workshop and training in 2017. The Group also presented the "Scoping Document" with a new mandate for period 2016 – 2021. The Committee has recommended the new mandate and tenure as above after due process of circulating it to the concerned NCs to ascertain their interest.

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

20. Presenting the report on behalf of Mr. Luis Pimentel, Dr. Luis Felipe Alcocer (Mexico) presented its report highlighting the successful organization of the WIF2 at Chaing Mai and the past events such as 22nd Congress in Korea and 26th ERC in France. Dr. Alcocer informed that Iran (2017), Mexico (2017), Canada (2018) and India (2019) have made impressive preparations for their respective events. Iran and Indonesia, both wanted to host the WIF3 in 2019 (Indonesia has since bagged the honor of hosting WIF3 in 2019). The Australian National Committee wanted to host the 24th Congress and has since bagged the honor of hosting the 24th Congress at Sydney in Australia in 2020. The Committee recommended Dr. Luis Felipe Alcocer (Mexico) to be the new Chair of C-CONGR in place of Mr. Luis Pimentel till 2017 when a new Chair from Australia will be in place.

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

21. Secretary General reporting on IYPeF activities, informed that presently there are more than 160 members in the LinkedIn based network of IYPeF (the Forum) with about 20 observers who can also volunteer as mentors. Secretary General expressed his appreciation to PH Prof Bart Schultz, VP Dr. Charlotte de Fraiture and VPH Dr. Huseyin Gundogdu for participating in the e-discussions which took place during the four months preceding WIF2 on four different topics and mentoring the YPs in the Forum.

22. Secretary General also informed that 6 most active members on the Forum have been elected as Coordinator/Joint coordinator by the members of IYPeF through electronic voting who form the Core-group that will be active during the next one year. There will be replacement of the two joint-coordinators every year by new coordinators elected through e-voting.

23. IYPeF has offered to continue their e-discussions and have proposed to organize one e-discussion every quarter. They have also decided to organize two Webinars for which tentative topics have been proposed. Secretary General urged the members to join the IYPeF discussion forums as mentors for which SG will send a request depending on the expression of interest and expertise. SG also urged the NCs to connect the YPs in their countries to the Forum by providing their e-mail addresses to the Central Office. The potential participants will be eventually sent an invitation to join the Forum.

PCSO Minutes Item 9: Organizational issues related to IEC, Congresses, Forums and Conferences**PCSO Minutes Item 9.1: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)**

24. PH Bart Schultz, Chair of the Sub-Committee, presented his report where he informed that the sub-committee will only address the themes of the Congresses and Forums. With respect to the International Drainage Workshop (IDW) and International Micro-Irrigation Conference, the WG-SDRG and WG-SON-FARM respectively will take a decision on the Themes. In respect of the Regional Technical Conferences, the respective Regional Working Groups would take the lead and deliberate and decide on the topics for the Conferences. He appreciated the efforts of the CO in laying down the procedures. The Committee recommended that Guidelines for the organization of World Irrigation Forum be prepared as has been developed for ICID Congress.

25. The mechanism suggested by the Committee is placed at **Annex R2.1, Page 19**).



**Report of the 36th Meeting of the
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
11 November 2016, 09.00-17.00 hours
Chiang Mai, Thailand**

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 Present: (1) Vice President Hon. Dr. Felix B. Reinders, Chairman (South Africa, 2010); (2) Prof. Graziano Ghinassi (Italy, 2012); (3) Prof. Masayoshi Satoh (Japan, 2012); (4) President Hon. Mr. Peter S. Lee (UK, 2013); (5) Vice President Hon. Mr. Chaiwat Prechawit (Thailand, 2014); (6) Vice President Dr. Ding Kunlun (China, 2015); (7) Vice President Dr. Mohamed Abd-El-Moneim Wahba (Egypt, 2015); (8) Mr. Ali Reza Salamat (Iran, 2015); (9) VPH Mr. Larry D. Stephens (USA), PCTA Secretary and (10) Er. Avinash C. Tyagi, Secretary General, ICID

Permanent Observers: Mr. Ian Makin, IWMI Representative.

Ex-Officio Members Present: (i) VP Dr. Mohamed Wahba (Egypt), Co-Theme Leader, Strategy Theme – Basin; (ii) VP Dr. Charlotte de Fraiture (Netherlands), Co-Theme Leader, Strategy Theme – Basin; (iii) VP Dr. Abdelhafid Debbarh (Morocco), Co-Theme Leader, Strategy Theme – Knowledge & Chair, WG-CDTE; (iv) VP Dr. Ding Kunlun (China), Co-Theme Leader, Strategy Theme – Schemes; (v) VP Ian Makin (UK), Co-Theme Leader, Strategy Theme – Schemes & Chair, WG-M&R; (vi) VP Bong Hoon Lee (Korea), Co-Theme Leader, Strategy Theme – On- Farm; (vii) VPH Mr. Larry D. Stephens (USA), Chair, C-PR&P and Secretary, PCTA; (viii) PH Prof. Bart Schultz (The Netherlands), Chair, EB-JOUR, Chair, SC-E-THEMES; (ix) Dr. Kamran Emami (Iran), Chairman, WG-HIST, WG-CAFM & TF-VE; (x) VPH Franklin E. Dimick (USA), Chair, WG-DROUGHT; (xi) Dr. Ruey-Chy Kao (Chinese Taipei), Chair, WG-SDTA; (xii) Dr. Sylvain Perret, Chair, WG-ENV; (xiii) Dr. Tsugihiko Watanabe (Japan), Chair, WG-CLIMATE; (xiv) Dr. Ragab (UK), Chair, WG-CROP; (xv) Dr. Samia El-Guindy (Egypt), Chair, WG-PQW represented by Dr. Ragab; (xvi) VPH Felix B. Reinders, Chair, WG-SON-FARM; (xvii) Dr. Fuqiang Tian (China), Chair, WG-BIO-ENERGY; (xviii) Dr. Bernard Vincent (France), Chair, WG-SDG; (xix) VPH Dr. Hafied Gany (Indonesia), Chair, WG-IOA; (xx) VPH Françoise Brelle (France), Chair, WG-IDM represented by Ms. Mary Jean Gabriel, Provisional Vice Chair, WG-IDM (South Africa) and (xxi) Mr. Mehrzad Ehsani (Iran), Chair, WG-WATS.

Observers Present: (i) President Dr. Saeed Nairizi (Iran); (ii) PH Dr. Gao Zhanyi (China); (iii) VPH Dr. Gerhard Backeberg (South Africa); (iv) VPH Dr. Adama Sangare (Mali); (v) VPH Dr. Huseyin Gundogdu (Turkey); (vi) VPH Prof. Laszlo Hayde (Hungary); (vii) VPH Laurie Tollefson (Canada); (viii) VPH Dr. Peter Kovalenko (Ukraine); (ix) VPH Dr. Shinsuke Ota (Japan); (x) Mr. Waseem Nazir (Pakistan); (xi) Dr. Gong Ju (Korea); (xii) Mr. Kenichi Uno (Japan); (xiii) Dr. Marco Arcieri (Italy); (xiv) Dr. Somkiat Prajamwong (Thailand); (xv) Mr. Maurice Roos (USA); (xvi) Dr. Ahmed M. Adam (Sudan); (xvii) Dr. Sándor Szalai (Hungary); (xviii) Dr. Gurbachan Singh (India); (xix) Kyung Sook Choi (Korea); (xx) Taeseon Park (Korea); (xxi) Youn Sun Lee (Korea); (xxii) L. Wangchai (Thailand); (xxiii) N.G.R. Ariyaratne (Sri Lanka); (xxiv) Mu Than (Myanmar); (xxv) Mr. Warren Helguson (Canada); (xxvi) Nanthawan Sunan Satit (Thailand); (xxvii) Dr. Arthon Suttigarn (Thailand); (xxviii) Sahar Norouzi (Iran); (xxix) Mr. Clarke Ballard (Australia); (xxx) G.M.R.A. Perera (Sri Lanka); (xxxi) Mr. Bashu Dev Lohane (Nepal); (xxxii) Françoise Ouane (Burkina Faso); (xxxiii) Dambre S. Bernard (Burkina Faso); (xxxiv) Mat Hussin Ghani (Malaysia); (xxxv) Mr. Amit Parashar (CSIRO); and (xxxvi) Carmel Pollino (CSIRO).

PCTA Minutes Item 1: ATR on the minutes of the 35th Meeting of PCTA

1. An Action Taken Report (ATR) on the minutes of the 35th PCTA meeting held at Montpellier was noted by the Committee with satisfaction.

PCTA Minutes Item 2: Membership of the PCTA and Workbodies

2. The PCTA noted that VPH Mr. Felix B. Reinders would be completing his tenure of six years as member and five years as Chairman of PCTA by the end of the Chiang Mai meeting of PCTA in accordance with ICID By-laws 3.8.1(c). In accordance with ICID By-laws 3.9.4 (b), Vice President Dr. Ding Kunlun has been nominated as the new Chair of PCTA, subject to approval by IEC. The Committee invited NCs, including South African National Committee to nominate representative to the PCTA.

3. Chairman Reinders reviewed the memberships of the work bodies that have been proposed by various workbodies under the Committee and changes have been proposed and affected as per the consolidated list of membership of workbodies given at **Annex 5 (Page 33)** of 67th IEC minutes.

PCTA Minutes Item 3: Functioning of Workbodies

4. PCTA Chair, earlier during the Plenary session of IEC, encouraged the workbodies to use the facility of web-conferencing/tele-conferencing/video-conferencing to hold interim meetings for more frequent interactions with the members between two IEC meetings, with the objective to help the provisional members of various workbodies, who are unable to physically present during the annual meetings, to enable them to contribute to the activities of the WGs and thereby become active members of WGs. The Committee recalled that establishment or extension of the WGs has to follow the procedures set out to ensure that the WGs get the required support and inputs from the NCs. Later, VP Charlotte, while providing the review of Strategic Theme Basin (Agenda Item 7.7), also made a number of useful suggestions for improving the functioning of Workbodies.

PCTA Minutes Item 4: Revision/Updating of Multilingual Technical Dictionary (MTD) – Establish a Task Force on MTD

5. During the last IEC meeting, the efforts to upgrade the MTD (CD version 2010) to an on-line version were initiated as an important input to meet SDGs. It was also proposed that the irrigation and drainage dictionaries in various national languages would also be amalgamated. While considering a mechanism to review/update the existing MTD as per the background note presented during the Montpellier meeting of PCTA, the Committee recommended that a Task Force be established including representatives from various specialized fields, at the same time representing various languages included in the MTD. It was reported that a Korean version and Indonesian version of the MTD is being prepared and will be made available soon.

6. The Committee considered the Draft Scoping Document for the establishment of a Task Force for Updating and Maintenance of MTD prepared by Central Office and recommended for the establishment of TF-MTD. The TF will be chaired by Chair PCTA and consist of chairs/nominees of WGs IDM, IOA, SON-FARM, SDG, M&R, and CAFM along with co-opted members from specialized organizations like FAO, IWMI, and ADB. The mandate is provided in **Annex R2.2 (Page 20)**. The Committee proposed that TF in its work should find ways and means to align its work with FAO system and reduce duplication of efforts.

PCTA Minutes Item 5: ICID Vision 2030 – Inputs to ICID Action Plan 2030

7. The 66th IEC meeting approved the Vision, Mission and six Organizational Goals and requested the Consultative Group (CG) that has been constituted to develop 'Draft ICID Vision 2030 Document' to develop a Draft Action Plan 2030 including review of structure and other organizational aspects required to achieve the goals of Vision 2030. It was pointed out that the CG Chair VPH Huseyin Gundogdu reviewed the status of preparation of action plans by the WGs as well submission of filled in questionnaire by the NCs during the Chiang Mai meeting.

8. All the WGs were requested to discuss and finalise action plan for their WG as input to prepare ICID Action Plan for Vision 2030. WGs discussed this agenda during their meeting and most of the WGs were of the view that it may take some more time to finalise the action plan for their WGs. Members of the PCTA suggested that WGs and NCs may be provided time for submitting their inputs for the Action Plan by 15 January 2017 so that the Action Plan can be finalized by June 2017 (See PCSO Report Item 4, Page 48).

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

9. Based on the decision of the Management Board of ICID, an IRPID Scheme was notified vide Notification No.16 of 2016 dated 27 April 2016 among ICID National Committees inviting to establish regional nodes, following the examples of regional nodes that are currently working in Beijing and Tehran. The notified IRPID Scheme gives vision, mission and objectives of the Research Program, besides presenting the organizational structure, coordination mechanism etc.

10. PCTA Chair VPH Reinders informed the members the objectives of the Scheme and the progress about the Program, while presenting the Report of AC-IRPID as its Chair (See PCSO Report Item 5, Page 48)..

PCTA Minutes Item 7: Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)**PCTA Minutes Item 7.1: Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)**

11. VPH Mr. Franklin E. Dimick, Chair of the WG presented the report of the meeting of WG and informed that the WG is preparing its report under three themes: (i) Drought Management Strategies in Water Stressed / Scarce

Regions, (ii) Coping with Water Scarcity, and (iii) Rainfall Harvesting and Management for Sustainable Agriculture in Water Stressed /Scarce Regions. Draft reports for theme I and III have been finalized while report for theme II is under finalization by Dr. Jan Ming-Young of Chinese Taipei, which would be available by March 2017 for circulation among members of the WG for their views/comments. The final document is expected to be sent to Central Office by June 2017.

12. WG finalized the closure report of the WG. WG finalized the scoping document for the new WG and recommended creation of a new WG on 'Managing Water Scarcity under Conflicting Demands', which was endorsed by PCTA. It was pointed out that the Scoping Document finalized by the WG will have to be circulated to the NCs and their interest in participating in the activities of WG sought.

PCTA Minutes Item 7.2: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

13. Dr. Ruey-Chy Kao, Chair of the WG presented the 'Summary of Activities' of the WG. The WG successfully organized an International Short Course on 'Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas' from 1-6 August 2016 at Tainan City in Chinese Taipei, followed by an interim meeting of the WG. The WG will be publishing a Special Issue of ICID Journal on SDTA titled "Sustainable Development of Tidal Areas: Climate change and environmental impacts" in 2017. The Chair presented the 'Scoping Document' with a new mandate for the period 2016-2021 which was endorsed by PCTA. The Scoping Document will now be circulated to the NCs and their interest in participating in the activities of WG sought.

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

14. Dr. Sylvain Perret, Chair of the WG presented the summary report of the meeting. A WebEx meeting of the WG is proposed to be held in early 2017. The WG actively participated and organized the two Side events: (a) *Environmental performances of paddy rice systems in the context of climate change*, (b) *Climate change impact and adaptation in agriculture* during WIF2 besides conducting a training workshop on "The environmental impact analysis of irrigation systems: using Life Cycle Analysis" for Young Professionals on 10 November 2016.

15. The WG proposed to organize a joint workshop with WG-SDG on 'Soil and water salinization as results from irrigation and drainage practices' at Mexico in 2017. It was pointed out that the program of the Congress would be finalized by the TAC for the 23rd Congress. PCTA endorsed the proposal for consideration of TAC. The Committee noted that the WG is preparing two documents: (a) "Ecosystem services in irrigation systems" and (b) "Finalization of the LCA methodology", to be published in 2017.

16. The Committee was informed that VP Charlotte Fraiture (the Netherlands) becomes the new chair of the WG whereas Dr. Perret assumes the charge of Secretary for time being. The PCTA recommended these nominations of the WG. PCTA appreciated the efforts of the Dr. Sylvain Perret, Chair of the WG for the intensive activities of the Group, particularly for making use of WebEx tool for furthering the activities of the WG.

PCTA Minutes Item 7.4: Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)

17. Dr. Kamran Emami, Chair of the WG presented the report of the WG and informed that preparation of the publication of the WG titled 'Adaptive Flood Risk Management' covering both structural and non-structural aspects of floods management is continuing and members have been requested to prepare case study reports to complete the publication. WG finalised the closure report of the WG and recommended the establishment of a new WG. The PCTA suggested that the WG members, acting as Core Group prepare and finalise scoping document with new mandate for circulation among the NCs and other partner organizations engaged in flood management activities.

PCTA Minutes Item 7.5: Working Group on Climate Change and Agricultural Water Management (WG-CLIMATE)

18. Dr. Tsugihiko Watanabe, WG Chair presented the report of the meeting of the WG-CLIMATE and informed that as a part of updating of MTD the WG has contributed 127 terms related to climate change to the MTD. He further informed that WG organised a Workshop on "Agricultural Water Management under the Changing Climate" with about 40 participants and would be organizing a similar workshop during the working group meeting in Mexico City in 2017.

PCTA Minutes Item 7.6: Working Group on Water for Bio-Energy and Food (WG-BIO-ENERGY)

19. Dr. Fuqiang Tian, Chair of the WG presented the report of the meeting of the WG and informed that WG has completed its initial mandate and based on the finalized scoping document WG recommended the establishment of

a new WG on 'Water for Bio-Fuel and Food' with revised mandate. PCTA endorsed the recommendation to IEC which approved setting of new WG with the revised mandate as given in **Annex R2.2 (Page 20)**.

PCTA Minutes Item 7.7: Synthesis Report by Co-Theme Leaders of ST Basin

20. The Synthesis Report was presented by VP Dr. Charlotte de Fraiture. She noted that she attended the meetings of the work bodies under the strategy theme. She noted that too much time was spent on procedural matters and not enough time was given on workbody's technical outputs. She recommended more efforts are needed to involve young professionals in workbody activities. She recommended approval of all new mandates that were proposed by the WGs.

21. VP Charlotte made the following observations and recommendations which needs to be considered for improving functioning of the workbodies. She observed that the WGs had variable attendance and all of the WGs had many non-members. She pointed out that two WGs had sought renewal of mandates (DROUGHT, Bio-Energy), WG-ENV sought change in mandate by adding salinization, and WG-CAFM had sought extension which she endorsed. She lamented that the internal communication within the WGs was mostly confined to the annual meeting, and only a few (WG-ENV, WG-CLIMATE) only used Webex or other tools for communicating and carrying out their activities during the intervening period.

22. She noted that the Workplans were developed/revised based on input from CO and as such the emphasis during the meeting was on planning, less on to implement it by identifying responsible persons. She suggested that the Plan should be flexible and updated every year with proper monitoring and accountability.

23. VP Charlotte emphasized that there is need to make the sessions of WGs more lively and full of contents as people wandering in sessions are looking for contents. There is need to establish links with other WGs and broad-basing members/observers by tapping into YP, (e.g. ENV – class for YP). She also emphasized the need for proper scheduling of WG meetings during ICID gatherings.

24. VP Charlotte suggested that emphasis should be more on reinvigorating running groups and new WG should be established only if there is an active "champion" to pull the group along with identification of members interested in the mandate. She recommended that more emphasis should be placed on output and activities, which should form an essential conditions for extension of the WGs. She suggested that these outputs could be in the form of publications, blogs, webinars, e-discussions, Training, as well as sessions in conferences.

25. SG suggested that summaries of the technical discussion in the WG in the form of presentations and workshops be prepared so that the technical material presented can be shared outside the WG. This will provide the publicity to the activities of the WG, as suggested by VP Dr. Charlotte.

26. PH Peter Lee pointed out that, as far as possible, in future work body meetings under a particular theme be scheduled consecutively, not concurrently so that theme leaders and participants can attend all or most of the WG meetings under each theme. After discussions, PCTA agreed that a Small committee be set up with Theme leaders and SG to investigate the structure, scheduling of meetings and membership of WGs.

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

PCTA Minutes Item 8.1: Working Group on Water and Crops (WG-WATER & CROP)

27. VPH Dr. Ragab Ragab, Chair of the WG presented the report of the meeting of the WG-CROP. The Technical Report of the WG will be a consolidation of contributions by members on various topics under the mandate of the group and will be finalised in early 2017. The WG was actively involved in preparation of background paper for Sub-theme 1 besides reviewing abstracts and being Co-Chair/ Rapporteur for several parallel sessions of WIF2. The WG proposed to organize a workshop on '*Improving the water use efficiency within the Water-Food-Energy nexus*' during the Canada Meetings in 2018. Dr K.Y. Reddy (India) volunteered to organize a Webinar in 2017.

28. In view of poor attendance in the meetings affecting the performance of the WG, the Chairman suggested that PCTA/IEC should consider allowing more than one person from a National Committee to be a member of the WG.

29. PCTA recommended to IEC that a methodology be developed to allow more than one member per WG from a given country. VP Ian Makin suggested that all WGs under a theme meet briefly during the IEC week to discuss the items that are dealt with under the WG agendas. It was recommended that NC can nominate more than one member but it must be less than the 20% of the total membership of the WG (for e.g., if there are 20 members on the WG, then the maximum per country shall be 4).

PCTA Minutes Item 8.2: Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)

30. VPH Dr. Ragab Ragab presented the report of the meeting of WG-PQW. The WG requested for a one year extension, and also to change the name of a new WG to 'Non-Conventional Water Resources.' The Committee approved the extension up to 2017 and asked the WG to come up with a Scoping Document to establish a new WG as proposed in Mexico in 2017.

PCTA Minutes Item 8.3: Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM)

31. VPH Mr. Felix B. Reinders, Chair of the WG presented the report of the meeting of the WG-SON-FARM and informed that the WG plans to organize an internal workshop during the WG meeting during 68th IEC meeting in Mexico in 2017 and the 9th International Micro Irrigation Conference (IMIC) in India in January 2019. The report on "Micro irrigation for smallholders and greenhouses" provided by Prof. Yoshisuke Nakano (Japan) would be reviewed and finalized by the end of 2016 for publication. The closure report of the WG will be sent to Central Office by January 2017.

PCTA Minutes Item 8.4: Synthesis report of Co-Theme Leaders of ST On-Farm

32. The Synthesis report was presented by VP Bong Hoon Lee. He gave a brief presentation and reviewed the activities of the WGs under the Theme. He later presented the detailed analysis of the Theme ON-FARM during the IEC meeting.

PCTA Minutes Item 9: Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)**PCTA Minutes Item 9.1: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)**

33. Dr. Kamran Emami, Chair of the WG presented the report of the meeting of the WG. The WG will be finalizing its publication on 'Historical Water Sustainability' in early 2017 and also organize a workshop on the same topic at Mexico in 2017. The WG organized a Side Event on 'History of Irrigation and Drainage around the World' and history exhibition with participation from CNCID, JACID and KCID during WIF2 besides being involved in HIS. The WG was requested to get closely associated with the World Water System Heritage Program, which is being spearheaded by ICID in close collaboration with WWC. PCTA agreed that one member from the WG-HIST should be included in the TAC of WSH.

34. The WG prepared a closure report and has developed a mandate for a new history WG. The PCTA observed that the new mandate should be circulated among the NCs.

PCTA Minutes Item 9.2: Working Group on Capacity Development, Training and Education (WG-CDTE)

35. VP Prof. Dr. Abdelhafid Debbarh, Chair of the WG presented the report of the first meeting of the WG-CDTE and informed that the WG will provide support to the activities of the TSU mainly in terms of capacity building, training and education of the professionals in the area of Agricultural Water Management. The WG welcomed the proposal of ICID Central Office to develop a collaboration with Asian Institute of Technology (AIT-Thailand) in the domain of CDTE in AWM. The WG will seek further in-depth discussions with AIT to define the topics and modalities of collaboration.

PCTA Minutes Item 9.3: Task Force to Guide ICID Inputs to World Water Forum 8 (TF-WWF8)

36. VPH Felix Reinders presented the report of the meeting of TF on behalf of PH Dr. Chandra Madramootoo, Chair of the TF and briefed about the topics of WWF8 and the role of ICID in the Forum. ICID will collaborate with FAO and IWMI on the joint coordination of the topic 'Water for Food Security'. In order to seek broader engagement of Latin America irrigation and drainage professionals and decision makers in water for food security, it was proposed to organize a 'Americas Session' during the Mexico meetings in 2017. The TF identified several areas for ICID contributions to the Forum.

PCTA Minutes Item 9.4: Task Force on Value Engineering (TF-VE)

37. Dr. Kamran Emami, Chair of the TF presented the report and informed that since promoting VE in ICID would need more time so TF recommended the formation of a new working group on VE as term of TF has come to an end. TF Chair also informed that he will prepare its closure report and submit to ICID CO. PCTA suggested that the scoping document with the mandate for the new WG and the potential collaboration with International Partners may be prepared. TF Chair agreed to present the scoping document by the next meeting at Mexico City in 2017 after circulation among the NCs and seeking their interest and nominations for the membership.

PCTA Minutes Item 9.5: Committee on Public Relations and Publications (C-PR&P)

38. VPH Mr. Larry D. Stephens, Chair of the Committee presented the report of the meeting of the Committee. The Committee recommended that a report summarizing the WatSave award winners be prepared by relevant PCTA work bodies. The Committee also reviewed the Irrigation and Drainage Products and Services Directory on the ICID website. The Committee was informed that organizations and companies can be included in the Directory at no charge by completing an online form. C-PR&P urged National Committees to inform organizations and companies within their countries about this opportunity.

PCTA Minutes Item 9.6: ICID Journal Editorial Board (EB-JOUR)

39. PH Prof. Dr. Bart Schultz, Chair of the EB-JOUR presented the report of the meeting of the Editorial Board of the Journal. The EB proposed to devote one issue of IRD to the ICID Action Plan with invited papers. The EB recommended the comments made by Prof. Daniele de Wrachien to be included as a preamble in the Action Plan 2030. It was informed that only about 1/3rd of the papers submitted for the journal were accepted. The Journal is now available in more than 10,000 libraries. The Impact factor for the Journal was 0.561 in 2015. During 2017, the Board will work with Wiley, the publisher, to reach a new agreement for the period beginning in 2018. Dr. Poolad Karimi (Iran) was recommended to be the Associate Editor of the EB-JOUR.

PCTA Minutes Item 9.7: Synthesis report of Co-Theme Leaders of ST Knowledge

40. No synthesis report was presented.

PCTA Minutes Item 10: Review of reports of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)**PCTA Minutes Item 10.1: Working Group on Sustainable Drainage (WG-SDRG)**

41. Mr. Bernard Vincent, Chair of the WG presented the report of the meeting of the WG-SDG and informed that the WG held an internal workshop during the Chiang Mai meeting where papers on bio-drainage, dry drainage, and controlled drainage were presented. It was pointed out that the acronym of the Group WG-SDG is misleading and gives the impression that it deals with Sustainable Development Goals (known popularly as SDG) and needs to be changed. PCTA recommended that the acronym WG-SDRG may be used instead.

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

42. VPH Dr. Hafied A. Gany, Chair of the WG presented the report of the meeting of the WG-IOA and informed that WG is preparing a three-year and six-year work plans. WG Chair also informed that WG plans to provide technical lead in organising the Symposium on 'Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA' as part of 23rd Congress on the theme. Country papers would be invited from NCs covering the following topics:

- **Topic – 1:** Legal Framework and organizational structure including WUA for Water Supply Services;
- **Topic – 2:** Participatory Irrigation Management and Management Transfer -- Approaches and condition for successful PIDM; and
- **Topic – 3:** Public – Private – Partnership (PPPs) in Irrigation and drainage operation and maintenance toward sustainable irrigated agricultural water management.

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

43. VP Ian Makin, Chair of the WG presented the report of the meeting of the WG-M&R and informed that the WG organized a Side Event during WIF2 on 'Developments in Irrigation and Modernization.' The WG is developing a definition of Modernization, and the proposed definition is 'Modernization is the process of upgrading infrastructure, operations and management of irrigation systems to sustain the water delivery service requirements of farmers and optimize production and water productivity.' The WG will solicit comments on the definition towards its finalization and will provide final definition to the ICID Central Office for distribution to the national committees.

PCTA Minutes Item 10.4: Working Group on Water Saving in Irrigated Areas (WG-WATS)

44. Mr. Mehrzad Ehsani, Chair of the WG presented the report of the meeting of the WG-WATS and informed that the WG developed their inputs to Draft ICID Action Plan 2030. WG Chair further informed that the WG will develop a Side Event or Symposium on 'Water Savings' during the IEC Meeting at Mexico City in 2017.

PCTA Minutes Item 10.5: Working Group on Irrigation, Development and Management (WG-IDM)

45. Ms. Mary Jean Gabriel, the new Chair of the WG presented the report of the first meeting of the WG-IDM and informed that after detailed discussions, WG has finalized scoping document with the revised mandate (See WG-IDM Minutes, Appendix XIX, page 181). WG Chair further informed that the final goal of the WG is to bring out a Guideline on the 'Water balance approach in irrigation systems' at the completion of the WG mandate. The WG also recommended that a workbody on 'Groundwater' be established.

PCTA Minutes Item 10.6: Synthesis Report by Co-Theme Leaders on ST Schemes

46. VP Ian William Makin presented the Synthesis Report. He noted that the WGs need to make new efforts to make the WG meetings interesting to outsiders and new members as was already pointed out by VP Charlotte in her presentation under Synthesis Report of ST Basin.

PCTA Minutes Item 11: Newly Proposed Workbodies**PCTA Minutes Item 11.1: Working Group on Groundwater Irrigation**

47. PCTA initially accepted in principle the proposal for the creation of a new workbody on 'Groundwater' as an outcome of the 26th European Regional Conference and suggested that a scoping document for a WG on Groundwater Irrigation be prepared. Since there were no volunteers to move the topic forward and no Scoping Document was prepared, after discussions, PCTA decided that the groundwater issue will form part of the WG-IDM (refer **Annex R2.2, page 20** for revised mandate of WG-IDM).

PCTA Minutes Item 12: Report on the outcome of WIF2

48. THAICID representative presented a detailed report on the results and outcome of WIF2. He also presented the WIF2 Statement released during the Wrap-up Session of WIF2 which is placed at **Annex** to the Report of the Committee.

49. PCTA Chairman VPH Reinders thanked the Thailand National Committee for their outstanding work in the organization of WIF2. VPH Felix emphasized the need to recognize the recommendations (**Annex R2.3, page 21**) made by the Ministerial Roundtable on 'Delivering SDG's through Agriculture Water Management' held on 06 November 2016, to set up a High Level Advisory Group on "Partnerships for Agriculture Water Management" and also to establish a dedicated Task Force to provide support to the High Level Advisory Group. PCTA supported the view of PCTA Chair and recommended to the Council for its approval.

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

50. PH Bart Schultz, Chair of SC-E-THEMES presented the report of the Sub-Committee. Based on the report, PCTA recommended to the Council that the revised composition and mandate of SC-E-THEMES as given below and its report suggesting a permanent mechanism for formulating themes and topics for various ICID events be accepted (**Annex R2.1, Page 19**).

Composition:

- (1) Technical Experts – one each drawn from ITAC for immediate past and future WIF and Congresses, within a span of six years.
- (2) Two Experts nominated by PCTA.
- (3) Three Experts drawn from Technical Workbodies of ICID
- (4) Chairperson of SC will be nominated from amongst the members, by the President in consultation with Secretary General.
- (5) 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.
- (6) The membership shall not exceed more than 10 members.

Mandate:

- (a) To deliberate and recommend the Themes, sub-themes and Work plans of future Congresses and World Irrigation Forums
- (b) To set out format and technical contents of the Congress and WIFs
- (c) To recommend to PCTA the topics of the two Questions and the optimal program for the Congress,
- (d) To review the technical outputs and outcomes and suggest follow ups

51. PCTA approved the recommendation of SC-E-THEMES that the 'Short Communication' be renamed as 'Innovative Products and Services' in future WIFs while the events related to the themes of WIF/Congress will be organized under the banner 'Supporting Event'. The events which are not related to themes of WIF/Congress will be termed as 'Side Event'. The Committee further recommended that Guidelines for the organization of World Irrigation Forum be prepared as has been developed for ICID Congress, in view of the above proposed changes.

52. PCTA was informed that Dr. Warren Helguson of CANCID, presented the themes and topics for the Regional Conference to be held in Saskatoon during the 69th IEC Meeting which were reviewed by the Sub-Committee. The proposed Theme is 'Innovative and Sustainable Agri-Water Management: Adapting to a Variable and Changing Climate.' The proposed sub-themes are (a) Competing Water Demands, (b) Resilient Agriculture and (c) Irrigation in Perspective. PCTA recommended that the theme and sub-themes for Regional Conference during 69th IEC at Saskatoon be approved.

PCTA Minutes Item 14: Technical Support Unit (TSU) in ICID – An Update

53. The Committee was informed that Technical Support Unit (TSU) has been established at ICID Central Office as per 66th IEC decision (Resolution IEC-3/66, Para 7). The establishment of TSU has been notified to NCs on 4 January 2016 (**IEC Agenda Item 14, Annex 3, Page 11**), requesting NCs to nominate experts, giving the terms of reference for engaging them as part of TSU program together with application form. Secretary General requested the NCs to nominate volunteers to the TSU.

PCTA Minutes Item 15: Any other business

54. Mr. Amit Parashar, Australia gave a presentation on the Water Cloud facility that is being developed by CSIRO. As the product being developed directly addresses the needs of developing countries who are particularly handicapped with lack of water resources data, this product will help them easily access the global and satellite data available and use simple modelling tools for quick assessment of resources and their planning at a feasibility level. CSIRO sought cooperation with ICID members in furthering the use of this tool.

55. PCTA Chairman Mr. Felix Reinders informed that his term as Chair of PCTA has ended and thanked the Committee and all the WG members for their support during his term as Chairman. He announced that Vice President Dr. Ding Kunlun will take over the Chairmanship, subject to approval by the Council.

56. PH Peter Lee, on behalf of the Committee thanked the outgoing Chair and Mr. Stevens for their excellent work as Chair and Secretary of PCTA.



Annex to Appendix III [Item 12, Para 48]

FORUM STATEMENT



6-8 November 2016, Chiang Mai, Thailand

Second World Irrigation Forum (WIF2) was held from 6 to 8 November 2016 in Chiang Mai, Thailand. The Forum was organized by the International Commission of Irrigation and Drainage (ICID) and the Thailand National ICID Committee (THAICID) in cooperation with a number of International and National Partners that brought together representatives of various stakeholders involved in irrigation of all types at all scales. About 1200 participants from 71 countries, 10 International Organizations and 9 Ministers attended the Forum.

The main theme **'Water Management in a Changing World: Role of Irrigation for Sustainable Food Production'** recognizes that The world's population is growing rapidly and is expected to reach about 9 billion by 2050, mostly living in urban areas, which pose challenges in meeting the sharply growing water, food and energy demands. In order to feed this growing population it is estimated that agricultural production needs to be increased by about 70 % globally and by as much as 100 % in developing countries. It is likely that increased food production will have to be achieved with a reducing share of water for agriculture due to competition from other sectors including uncertainty due to climate change and variability. This calls for growing more with less water in a sustainable manner. New ways to grow food in ecologically and ethically responsible manners and expansion of irrigation to previously rainfed areas, along with supply and demand side management options will play a significant role in achieving this goal.

The key to sustainable development of irrigated agriculture in the changing environment and the on-going rural transformation lies around modernization of irrigation systems and related services to improve water use efficiency; improving water and land productivity supported by financial mechanisms; reform of management institutions; adoption of efficient water management techniques including recycling and reuse of waste water; use of modern technologies; increasing awareness about water scarcity and capacity development of service providers and farmers etc. with participation of all the stakeholders (public and private sector, academic and research institutions, industry, civil society, farmers' and their organizations etc.).

Within the context of the Main theme, more than 183 papers, short communications and posters were presented and discussed under three Sub-themes: (1) Key issues of irrigation and drainage in balancing water, food, energy and ecology; (2) Management of climatic extremes with focus on floods and droughts; (3) Key and smart actions to alleviate hunger and poverty through irrigation and drainage. In addition to the thematic sessions there were 17 Side events and an Exhibition.

A WIF first was the round table Ministerial meeting where Ministers from Bhutan, Cambodia, China, Ethiopia, Indonesia, Laos, Nepal, Pakistan, Sudan participating in the Second World Irrigation Forum, hosted by the Kingdom of Thailand, under the chairmanship of Honourable Minister of Agriculture and Cooperatives of Thailand, made a press release based on their deliberations on 6th November 2016. They agreed to establish a High Level Advisory Group on **"Partnerships for Agriculture Water Management"** as an action-oriented multi-stakeholder partnership. The objective is to support member countries in achieving the Sustainable Development Goals (SDGs) and share experiences in implementation of targets related to agriculture water management which is key to both water and food security. It will also support the UN System efforts in monitoring the progress on related SDGs. The partnership will advocate strong policy support for higher investments in Agriculture Water Management (AWM) to ensure food and water security.

As a result of the presentations and discussions at the World Irrigation Forum, the following statements were agreed:

1. The great challenge for the coming decades will be to increase food production with fewer resources -water, soil, energy, and biodiversity.
2. In order to foster sustainable development, it is essential to maintain the balance between water, energy, food, and ecosystem services.
3. The issues that irrigation and drainage sector is facing are (a) safeguarding resource availability and its quality when designing new systems, (b) the operation and maintenance of existing systems and in turn their impact on resources and the environments that hold them, and (c) the stakeholder interaction and participation that lead to the governance of the systems and their underlying resources.
4. The future challenges require unconventional thinking and solutions. Thinking within the water-energy-ecosystem-food nexus framework with water resources at its heart is essential.

5. Increasing water supply to meet the future demand requires a more efficient water use, use of non-conventional water resources, and water harvesting.
6. Sustainability can only be achieved within a complete water chain approach and with full stakeholder involvement from start to end and from farmer to minister.
7. We need to adopt a more integrated holistic approach to understand and sustainably manage resources with the aim to produce more from less “more crop per drop per kilowatt” without hampering natural ecosystem services.
8. Climate change is recognized as one of the most serious and urgent issue for human society and global environment. In the context of agriculture, improving irrigation and drainage systems and rural development will play a key role in achieving the rural water and food security under impending climate change, especially in the developing countries.
9. To reduce the disaster risks, the global and local society or community need to assess the magnitudes, frequencies, and variabilities of weather and climate events; the exposure of the society for these events; and the vulnerability of the region and society to these extremes.
10. Under the given uncertainties in climate change impact projections, improving resilience by reinforcing the capability of societies to better cope with the extreme events is one of the most favoured approaches.
11. In the pursuit of information to support the policies and actions to alleviate hunger and poverty from a perspective of the role and impacts of irrigation and drainage, correlation must be provided between water scarcity, community and poverty.
12. One of the main goals of the international community is to eliminate hunger and poverty and in this perspective, through the Millennium Development Goals much progress has been achieved and evidence obtained. Sustainable Development Goals and various United Nations and other initiatives, intend to move forward this agenda by making it a part of the broader development frameworks.
13. The important elements of irrigation and drainage that affect the alleviation of hunger and poverty can be grouped into governance, rights-based development, water rights and pricing, management, efficiency improvement, and role of technology.
14. Both the potential and the need to make use of innovative technology and solutions in irrigation are underlined and these can be used to cater the challenges in different sub-sectors with focus on maximizing productivity and efficiency, reducing water losses, achieving sustainable intensification and managing demands on water resources and the associated trade-offs.

