



**ICID•CIID**

# Minutes

Sixty Fifth Meeting of  
**International Executive Council (IEC)**  
and  
**Pre-Council Meetings of Workbodies**  
16-20 September 2014, Gwangju, Republic of Korea

**International Commission on Irrigation and Drainage (ICID)**  
**New Delhi**

November 2014



# Minutes of the Sixty Fifth Meeting of International Executive Council (IEC) of ICID

16-20 September 2014, Gwangju, Republic of Korea

Opening Plenary (First Session): 16 September 2014, 09:00 – 10:30 hours

Main Session (Second Session): 20 September 2014, 09:00 –17:00 hours

---

## CONTENTS

---

List of Abbreviations

(ix)

Item No.	Description	Page No.
<b>IEC Minutes Item 1:</b>	Welcome and opening remarks by the President	1
<b>IEC Minutes Item 2:</b>	Presentations by the National Committees	1
<b>IEC Minutes Item 3:</b>	Presentation of Awards: Best Performing Workbody, Best Paper, Best Performing National Committee, Heritage Irrigation Structures	2
<b>IEC Minutes Item 4:</b>	Action Taken Report on the decisions of 64th IEC and the decisions taken by the Management Board (MB)	2
<b>IEC Minutes Item 5:</b>	Report by the Secretary General	3
<b>IEC Minutes Item 6:</b>	Report on the outcomes of 22nd ICID Congress	3
<b>IEC Minutes Item 7:</b>	Presentation on Strategy Theme “Knowledge”	3
<b>IEC Minutes Item 8:</b>	Reports by the Chairs of Permanent Committees	4
	<b>IEC Minutes Item 8.1:</b> Permanent Finance Committee (PFC)	4
	<b>IEC Minutes Item 8.2:</b> Permanent Committee on Strategy and Organization (PCSO)	5
	<b>IEC Minutes Item 8.3:</b> Permanent Committee for Technical Activities (PCTA)	5
	<b>IEC Minutes Item 8.4:</b> Discussion and Decisions on the Recommendations of the Permanent Committees	6
<b>IEC Minutes Item 9:</b>	Report of the Chair of the Special Committee for the Amendments to the Constitution and By-laws	6
<b>IEC Minutes Item 10:</b>	Scheme for Recognition of Heritage Irrigation Structures	6
<b>IEC Minutes Item 11:</b>	Status of Future ICID Conferences / Congresses / Forums	6
<b>IEC Minutes Item 12:</b>	Review of the Procedures for Adjudication of various ICID Awards	7

Description	Page No.
<b>IEC Minutes Item 13:</b> Election of Office Bearers 2014-2017	7
<b>IEC Minutes Item 14:</b> Presentation of ICID Awards / Plaques	7
<b>IEC Minutes Item 14.1:</b> Presentation of WatSave Awards	7
<b>IEC Minutes Item 14.2:</b> Retiring President and 3 Vice Presidents	8
<b>IEC Minutes Item 14.3:</b> Retiring Chairs of Workbodies	8
<b>IEC Minutes Item 15:</b> Any other business by the permission of the Chair	8
<b>IEC Minutes Item 16:</b> Remarks by President-Elect and closing remarks by the President, ICID	8

### RESOLUTIONS

<b>Resolution IEC-1/65:</b> Financial Matters of ICID	9
<b>Resolution IEC-2/65:</b> Creation of Corpus Fund for World Irrigation and Drainage (WID) Prize	10
<b>Resolution IEC-3/65:</b> Organizational and Technical Matters of ICID	11
<b>Resolution IEC-4/65:</b> Changes in the Constitution and By-Laws of ICID	12
<b>Resolution IEC-5/65:</b> Schemes for WatSave Awards, Best Performing National Committee Award (BPNCA) and Best Performing Workbody Award (BPWA)	13
<b>Resolution IEC-6/65:</b> Scheme for World Irrigation and Drainage (WID) Prize	14

### ANNEXES TO RESOLUTIONS

<b>Annex R1.1</b> Audit Report for the Year Ending 31 March 2014	15
<b>Annex R1.2</b> Approved Revised Budget 2014-15, Approved Budget 2015-16, Preliminary Budget 2016-17 And Forecast Budget 2017-18	18
<b>Annex R1.3</b> Fee Structure for ICID Events in 2016 and 2017	19
<b>Annex R2.1</b> Rules and Regulations for the WID Prize Corpus Fund	21
<b>Annex R3.1</b> Revised Membership of Working Groups under PCSO	23
<b>Annex R3.2</b> Guiding Principles for Choosing Themes for Future ICID Events	27
<b>Annex R3.3</b> Theme and Topics for 26 <sup>th</sup> ERC, WIF2, and 23 <sup>rd</sup> ICID Congress	29
<b>Annex R4.1</b> By-laws (Relevant Extracts)	31
<b>Annex R5.1</b> WatSave Scheme	35
<b>Annex R5.2</b> Best Performing National Committee Award (BPNCA) Scheme	41
<b>Annex R5.3</b> Best Performing Work Body Award (BPWA) Scheme	49
<b>Annex R6.1</b> ICID's World Irrigation and Drainage Prize	53

Description	Page No.
<b>ANNEXES TO IEC</b>	
<b>Annex 1.</b>	List of participants at the 65 <sup>th</sup> International Executive Council (IEC) Meeting <span style="float: right;"><b>59</b></span>
<b>Annex 2.</b>	ICID Register of Heritage Irrigation Structures (HIS) <span style="float: right;"><b>61</b></span>
<b>Annex 3.</b>	Action Taken Report on the Decisions recorded in the Minutes of 64 <sup>th</sup> IEC Meeting <span style="float: right;"><b>63</b></span>
<b>Annex 4.</b>	Gwangju Statement - Issued at 22 <sup>nd</sup> ICID Congress, 2014 <span style="float: right;"><b>67</b></span>
<b>Annex 5.</b>	Presentation on Strategy Theme 'Knowledge' <span style="float: right;"><b>71</b></span>
<b>APPENDICES TO IEC</b>	
<b>Appendix I</b>	Minutes of the 35 <sup>th</sup> Meeting of the Permanent Finance Committee (PFC) <span style="float: right;"><b>77</b></span>
<b>Appendix II</b>	Minutes of the 25 <sup>th</sup> Meeting of the Permanent Committee on Strategy and Organization (PCSO) <span style="float: right;"><b>81</b></span>
<b>Appendix III</b>	Minutes of the 34 <sup>th</sup> Meeting of the Permanent Committee for Technical Activities (PCTA) <span style="float: right;"><b>85</b></span>
List of Appendices with Minutes of <b>PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)</b>	
<b>Appendix IV:</b>	Asian Regional Working Group (ASRWG) <span style="float: right;"><b>93</b></span>
<b>Appendix V:</b>	European Regional Working Group (ERWG) <span style="float: right;"><b>95</b></span>
<b>Appendix VI:</b>	Working Group on Young Irrigation Professionals Forum (WG-YPF) <span style="float: right;"><b>99</b></span>
<b>Appendix VII:</b>	Committee on Congresses/Conferences (C-CONGR) <span style="float: right;"><b>103</b></span>
<b>Appendix VIII:</b>	African Regional Working Group (AFRWG) <span style="float: right;"><b>107</b></span>
<b>Appendix IX:</b>	Working Group on Irrigation and Drainage in the States Under Socio-Economic Transformation (WG-IDSST) <span style="float: right;"><b>111</b></span>

Description	Page No.
<b>List of Appendices with Minutes of PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)</b>	
<b>Appendix X:</b> Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)	<b>115</b>
<b>Appendix XI:</b> ICID Journal Editorial Board (EB-JOUR)	<b>121</b>
<b>Appendix XII:</b> Working Group on Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)	<b>125</b>
<b>Appendix XIII:</b> Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)	<b>129</b>
<b>Appendix XIV:</b> Working Group on On-Farm Irrigation Systems (WG-ON-FARM)	<b>131</b>
<b>APPENDIX XV:</b> Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)	<b>135</b>
<b>Appendix XVI:</b> Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)	<b>137</b>
<b>Appendix XVII:</b> Task Force to Guide ICID Inputs to 7 <sup>th</sup> World Water Forum (TF-WWF7)	<b>139</b>
<b>Appendix XVIII:</b> Task Force on Water for Bio-Energy and Food (TF- BIO-ENERGY)	<b>143</b>
<b>Appendix XIX:</b> Task Force on Value Engineering (TF-VE)	<b>145</b>
<b>Appendix XX:</b> Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)	<b>149</b>
<b>Appendix XXI:</b> Working Group on Sustainable Development of Tidal Areas (WG-SDTA)	<b>151</b>
<b>Appendix XXII:</b> Committee on Public Relations and Publications (C-PR&P)	<b>155</b>
<b>Appendix XXIII:</b> Working Group on Environment (WG-ENV)	<b>157</b>
<b>Appendix XXIV</b> Working Group on Water and Crops (WG-CROP)	<b>163</b>

Minutes of the 65<sup>th</sup> Meeting of  
**INTERNATIONAL EXECUTIVE COUNCIL (IEC)**

Gwangju, Republic Of Korea

**Opening Plenary (First Session): 16 September 2014, 0900-1030 Hours**

**Main Session (Second Session): 20 September 2014, 0900-1700 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): 16 September 2014, 0900 – 1030 hours**

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

1. The President Dr Gao Zhanyi opened the 65<sup>th</sup> Meeting of the International Executive Council, the general body and highest decision-making body of ICID on 16 September 2014 in Gwangju Metropolitan City, Republic of Korea. The meeting was organized in two sessions. The Opening Plenary on 16 September was aimed at addressing all the stakeholders, experts, representatives, partners and observers with the objective to communicate issues of general concern. The Plenary Session was attended by more than 150 participants from 58 countries. They participated in the various working groups, task teams and committees in the following three days. The main session where all decisions, based on the outcomes and recommendations of these workbodies, are taken on 20 September. The list of participants who attended the main session of 65<sup>th</sup> IEC meeting is given in **Annex 1, page 59** and included representatives of 32 National Committees, 11 Office Bearers, past Presidents and Vice Presidents along with Observers.

2. President Dr Gao Zhanyi welcomed the members and made his opening remarks, giving an overview of ICID's mission, goals, structure and governance, workbodies focusing on strategic and thematic areas. He emphasized the increasing interaction and relationship with international partners. He recalled various new initiatives taken up by ICID like World Irrigation Forums, World Irrigation and Drainage Prize, Knowledge Management, recognition of Heritage Irrigation Structures besides the support to Young Irrigation Professionals to attend and participate in ICID events and activities. President touched upon the increasing role of ICID within the international water community and cautioned on the increased responsibility out of the growing expectations of world water community from ICID to find right solutions to the ever depleting freshwater resources in today's world in view of global warming and climate changes that gradually take place.

3. President Gao informed the Council that the Management Board, in its meeting on 13 September 2014, has recommended that the National Committees of Tajikistan and Burkina Faso may be admitted as Members of ICID as they have fulfilled all the requirements for re-admission and new admission respectively, as a new Members of ICID and the International Executive Council with immediate effect.

4. Secretary General Er Avinash. C. Tyagi introduced the Agenda and drew attention of the members to the issues that need their special consideration. Secretary General informed that all the documents for use during IEC and its appurtenant meetings were being made available on the ICID website <http://www.icid.org/agenda.html>. It was pointed out that the latest supplementary information on various agenda items were also being made available on the website and he urged that members should keep a track of the latest version of the agenda. SG informed that ICID CO had created a DropBox share folder for easy dissemination/exchange of information among OBs, Chairs, Vice Chairs and Secretaries of WBs who have been invited to join this folder for management of information flow.

**IEC Minutes Item 2: Presentations by the National Committees**

5. Dr Marco Arcieri, the Secretary General of the National Committee of Italy made a detailed presentation and showcased ITAL-ICID's activities. He described the structure of the Italian National Committee. Dr Arcieri introduced the Legislative Framework for Water Management in Italy and delved on the innovative approach to water resources management in Italy based on river basins and the natural geographical and hydrological units. In Italy the EC Directive no 2007/60/EC on the assessment and management of flood risks, entered into force on 26 November 2007, which requires Member States to assess, if water courses and coast lines are at risk from flooding based on flood risk maps and finally to take adequate and coordinated measures to reduce

the risk. It has been transposed within the Italian Legal Framework into the D.Lgs. 49/2010. He also described the river basin approach adopted in determining the Hydraulic Security to manage flood risks.

6. He described the work undertaken by the Italian National Committee in bringing out seven volumes of publication 'Land reclamation, irrigation and flood protection in Italy over the centuries'. He also informed that Italy hosts FAO and IFAD; and the Italian National Committee is privileged to represent ICID at its various meetings as a permanent observer. Dr Arcieri introduced IRRIFRAME, an Expert System for Irrigation Consortia in Italy providing each farmer information on irrigation scheduling: crop water requirements and irrigation interval and frequency. The system automatically provides up to date information on the irrigation area, with respect to meteo conditions, water table and soil characteristics. Farmers are able to access the service by introducing his georeferenced data on Google map. He informed that in Italy the use of IRRIFRAME has improved irrigation by saving 15–25% water and increasing quantity and quality of agricultural production.

7. Representative of Philippines National Committee could not attend the meeting and as such, only one presentation could be made. Members of the Council expressed their appreciation at the idea of inviting National Committees to present their important activities and thanked Dr Arcieri for making an excellent presentation.

**IEC Minutes Item 3: Presentation of Awards: Best Performing Workbody, Best Paper, Best Performing National Committee, Heritage Irrigation Structures**

**IEC Minutes Item 3.1: Presentation of 4<sup>th</sup> Best Performing Workbody Award (BPWA-4)**

8. Based on the report by the Panel of Judges chaired by Dr Gao Zhanyi, President, Working Group on On-Farm (WG-ON-FARM) was declared the winner of BPWA-4 based on the work largely undertaken by the WG during the last three years. The Chair of the WG, VPH Felix Reinders was presented with the Winner's Plaque. All the members of the WG who participated in the activities of the Group for more than two years were also honoured with plaques to that effect.

**IEC Minutes Item 3.2: Presentation of Award for the Best Paper in the ICID Journal "Irrigation and Drainage"**

9. Based on the recommendations of the Chair of EB-JOUR, PH Dr Bart Schultz, out of the papers published in the ICID Journal during the year 2013, the Best Paper Award for 2014, was given to Mr Marylou M. Smith and Mr Stephen W. Smith for their paper titled "Case Study - Agricultural/Urban/Environmental Water Sharing in the Western United States: Can Engineers Engage Social Science for Successful Solutions?", published in the issue 62.3.

**IEC Minutes Item 3.3: Presentation of 5<sup>th</sup> Best Performing National Committee Award (BPNA-5)**

10. Based on the work undertaken during the last three years, BPNA-5 was presented to the Korean National Committee (KCID) on the recommendations of the Panel of Judges chaired by PH Peter Lee (UK).

**IEC Minutes Item 3.4: Recognition of Heritage Irrigation Structures (HIS)**

11. Based on the recommendations of the Panel of Judges through its Chair, VPH Dr Ragab Ragab (UK), the Council approved the inclusion of the identified historical irrigation and drainage structures, as given in **Annex 2, page 61** to be included in the ICID Register of "Heritage Irrigation Structures". The representatives of the NC were handed over "Certificates" to that effect. The Council appreciated President Gao for this unique initiative and acclaimed the evaluation work carried out by the Panel of Judges. The President congratulated the Central Office for working against time and help ICID initiate such an important program.

---

**Main Session (Second Session): 20 September 2014, 0900 – 1700 hours**

**IEC Minutes Item 4: Action Taken Report on the decisions of 64<sup>th</sup> IEC and the decisions taken by the Management Board (MB)**

12. The Council noted that the actions on all the decisions taken by IEC at its 64<sup>th</sup> meeting were completed or were initiated during the year (**Annex 3, page 63**). The Secretary General presented before the IEC, the decisions taken by the Management Board (MB) on behalf of IEC in accordance with Article 8.1 of the Constitution and Article 3.9.2 of the By-laws. The main decisions taken by MB placed before the Council for endorsement were: Setting up of a Task Team for establishing a Trust Fund for making financing of the WID Prize sustainable; decision to host the 13<sup>th</sup> International Drainage Workshop in Ahvaz City, Iran in 2017; initiation of the



process of the selection and recognition of the historical irrigation and/or drainage structures as “Heritage Irrigation Structures (HIS)” and calling for nominations from the NCs; and the subscription rates for “Irrigation & Drainage” for 2014. The Council ratified the above decisions of the Management Board.

#### **IEC Minutes Item 5: Report by the Secretary General**

13. Secretary General Er. Avinash Tyagi presented the Annual Report 2013-14, sent earlier to all the National Committees, bringing out physical and financial progress on activities undertaken during the period from April 2014 till date to the Council; report on cooperation and collaboration with the international organizations; and the services introduced by the Central Office for benefit of the members.

14. SG briefly introduced the services provided by CO through activities related to publications, communication, the new initiatives undertaken, capacity building, working with partners and the financial status of ICID. He informed that three new publications: “Food Security by Optimal Use of Water” a synthesis of Theme 2.2 of the 6<sup>th</sup> WWF; “Summary Report – First World Irrigation Forum (WIF1)”; and Congress Transactions were produced as hard copy accompanied with DVD/USB drive. The integrated report contains video recordings, photographs, and also presentations of WIF1 were uploaded on SlideShare portal for wider outreach. SG informed that old ICID publications were being converted to suit web format. The Multilingual Technical Dictionary is proposed to be updated with integration of more language features, images, videos, web links etc. SG also introduced the Integrated Library Management System (ILMS) which includes a special database which seeks to showcase NC publications.

15. SG informed that a new section on “Basic Information” on various facets of Irrigation, Drainage and Flood Management have been collected and placed on ICID web pages. SG requested workbody members to contribute in expanding the above basic information further, based on their valuable expertise and inputs and add new relevant titles/ sub-titles, as they deem fit. He informed that CO will upload the updated version on ICID website with due credits to the contributor.

16. SG informed that CO has established WebEx video conferencing tool and has used this tool to organize Virtual Management Board Meeting No.3/13; Discussion of Chair of TF-WWF7 with AFEID team regarding their contribution at WWF7; Meetings with NOC of 22<sup>nd</sup> ICID Congress; and the informal meeting of the Sub-Committee on Themes, etc.

17. SG informed that as reported under Item 3.4 irrigation structures fulfilling the set criteria, are proposed to be recognized as Heritage Irrigation Structure (HIS) by including them in an “ICID Register of Heritage Irrigation Structures”. The Council was informed that the ICID Register of HIS would be publicized through ICID media and a Plaque citing the salient features of the HIS will be awarded to the National Committees for onward transmission to the authorities responsible for the running and maintenance of the structure.

#### **IEC Minutes Item 6: Report on the outcomes of 22<sup>nd</sup> ICID Congress**

18. Representative of KCID / National Organizing Committee (NOC) for 2014 ICID Congress presented the report on the organization and the outcomes of the 22<sup>nd</sup> ICID Congress. The outcomes of the various sessions, the Special Session, the Symposium and the Round Table Meeting were presented by the Secretary General Avinash Tyagi. The Gwangju Statement which includes these outcomes; issued at the 22<sup>nd</sup> ICID Congress, is placed at **Annex 4, page 67**.

#### **IEC Minutes Item 7: Presentation on Strategy Theme “Knowledge”**

19. Co-Theme Leader of Strategy Theme “Knowledge”, VP Er A.B. Pandya (India) made a presentation on Strategy Theme “Knowledge” and pointed out that managing the knowledge process is a key to the success of the professional network like ICID to fulfil its mission, in the field of irrigation, drainage and flood management. He pointed out that ‘Knowledge’ theme is essentially cross-cutting and the workbodies under this theme are serving other workbodies.

20. VP Er Pandya stressed that almost all workbodies, through their activities, help generate, extract, synthesize and exchange the available knowledge. They compile some of the available knowledge in the form of reports, manuals and guidelines. Their outputs are also publicized on their respective web pages to make it available to all interested groups. He urged all the working groups to contribute to enrich Multilingual Technical Dictionary with latest terms and images/videos/links etc.

21. Vice President also pointed out that the fast changing technologies influence the knowledge process and present a challenge on one hand and opportunities on the other. Today, Information Technology (IT) is crucial in generation, extraction consolidation/ compilation, synthesis, packaging and dissemination of information and knowledge in the field of irrigation, drainage and flood management. He emphasized the need to make use of the latest tools presented by IT appropriately to achieve the objectives of ICID.

22. VP Er Pandya emphasized the need to focus on promoting “state of art” knowledge to users in planning, design and field applications. However, he pointed out that the strategy for theme ‘knowledge’ should aim at addressing, in addition to the irrigation and drainage professionals, a wider audience including stakeholders working in related sectors and at grass root level. It is necessary to widely disseminate the outcomes or conclusions of the deliberations of ICID technical events, policy papers, technical articles, he added. The dissemination should be in layman’s language by publishing/converting some of the technical outputs into material with language that is easy to understand.

23. VP Er Pandya through his report, which is placed at **Annex 5, page 71**, recommended IEC to:

- (a) Revisit the publication policy of ICID;
- (b) Re-establish WG on Capacity Building, Training and Education (WG-CBTE), which completed its mandate in 2007;
- (c) Organize special tailor made trainings on subjects of special interest;
- (d) Initiate distance learning through e-Learning and webinars etc.
- (e) Set up mechanism to review Multilingual Technical Dictionary (MTD) and transfer it into on-line;
- (f) Bring out publications based on the work undertaken by WGs, particularly addressing non-professional or lay stakeholders; and

24. The Council endorsed the report of VP Er Pandya and approved in principle the proposal for re-establishing a new WG on Capacity Building and advised that the other recommendations be duly incorporated in the Scoping Document to be prepared for the same.

## **IEC Minutes Item 8: Reports by the Chairs of Permanent Committees**

### **IEC Minutes Item 8.1: Permanent Finance Committee (PFC)**

25. VPH Saeed Nairizi, Chairman, PFC, presented his report on the 35<sup>th</sup> meeting of the PFC held on 18 September 2014 from 0900-1230 hours. The Council was informed that VP Laurie Tollefson, the Vice Chairman, would begin his term as Chair of PFC at the conclusion of 65<sup>th</sup> IEC, in pursuance of the Council’s decision at Mardin. He recommended for the acceptance of the membership proposals of Mr Naoki Hayashida (Japan), Mrs Irene Bondarik (Russia) and Engr. Husnain Ahmed (Pakistan) based on the nominations received from National Committees.

26. Based on the report of Direct Membership Administering Sub-Committee, the Chair of PFC recommended for the acceptance of the two new Direct Members, viz. (1) Er. Tumaini E.R. Mazengo (Tanzania) and (2) Mr Naty Barak (Israel) in the category of Individual (Young Professional) and Individual (Retiree), respectively.

27. The Council was informed that Committee considered the proposal from DMA sub-committee regarding fee structure for Life Membership for the individuals and recommended that the Life Membership fee structure for the Individuals and Individual (Retirees) may be approved. It agreed with the DMA Sub-Committee’s recommendation that Life Membership for Young Professionals may not be provided.

28. The Chair, PFC reported to the Council that the NCs of Afghanistan, Lithuania and Syria have become Associate Members as they failed to clear their dues by 31 December 2013. The Council was informed that the NCs of Ireland and Nigeria have cleared their outstanding dues and the PFC has recommended them to be accepted as full members of ICID. PFC also recommended applying By-law 13.2 to the NCs of Fiji and Ukraine and relegating them to be “Associate Members”, if they fail to clear their arrears by 31 December 2014. The Council was also informed that certain old dues of NCs of Philippines and Hungary were written off; and the NCs of Tajikistan and Uruguay were allowed to re-join ICID without clearing their outstanding dues by the MB. The Council was informed that since the NCs of Tajikistan and Madagascar have paid their current dues; they have been recommended by PFC to be considered as fresh members of ICID. The Council appreciated the efforts of Central Office in following up with the NCs for clearing their subscription arrears and expressed satisfaction at the good situation.

29. PFC recommended for the approval of the Audit Report for the FY 2013-14 of M/s A. Abhyankar & Company (**Annex R1.1, page 15**). The Chair of PFC informed the Council that the Committee considered the revised budget for FY 2014-15 and the proposed budget for FY 2015-16, preliminary budget for FY 2016-17 and forecast budget for 2017-18 and recommended for its acceptance (**Annex R1.2, page 18**).

30. The Chair of PFC presented to the Council the TT Report on the WID Prize Trust Fund and based on the recommendation of TT, sought for Council’s approval for creating a Corpus Fund and opening a separate bank account for World Irrigation and Drainage Prize. The Corpus Fund that shall be put in Fixed Deposit and the interest earned be used to meet the expenditures related to WID Prize. It was recommended that the Fund will follow the “Rules and Regulations for the WID Prize Corpus Fund” as given in **Annex R2.1, page 21**. As

the Corpus Fund will be part of the ICID General Fund, it will follow the financial regulations as laid down by the IEC and audited by the Statutory Auditor appointed by the Council.

31. The Council endorsed the report presented by the Chair and thanked VPH Dr Nairizi for his leadership and the great efforts made by him over the years in turning around the financial situation of ICID. The Minutes of PFC are given at **Appendix I, page 77**.

**IEC Minutes Item 8.2: Permanent Committee on Strategy and Organization (PCSO)**

32. VPH Dr Ragab Ragab, Chairman, PCSO presented his report on the 25<sup>th</sup> meeting of PCSO held on 18 September 2014 from 1330-1700 hours. The Chair presented the changes in the membership of various Working Groups attached to PCSO as proposed by the various workbody chairs and the appointment of VP Huseyin Gundogdu as the Chair of PCSO (**Annex R3.1, page 23**).

33. The Council noted with satisfaction the efforts being made by the Vice Presidents towards new membership drive in reactivating Associate Members of ICID and also strengthening the regional cooperation between the members. The chair proposed the conversion of WG-YPF into "ICID Young Professionals' Forum (YPF)", with open membership and a core team to be selected by the Forum participants. The Council approved the establishment of the ICID YPF.

34. The Chair informed the Council about the discussion at the PCSO meeting regarding the continuation of the names of some Associate Members for years together and recommended that the Associate Membership status shall be reviewed periodically. The PCSO chair recommended the removal of the names of the Associate Members with whom CO is unable to maintain any contact and who have not revived their membership for more than 10 years.

35. The Council endorsed the reports presented by the Chair and placed on record appreciation of the Executive Council for the leadership provided by VPH Dr Ragab Ragab during his term as Chair of PCSO. The minutes of the PCSO are given at **Appendix II, page 81**.

**IEC Minutes Item 8.3: Permanent Committee for Technical Activities (PCTA)**

36. VPH Felix Reinders, Chairman, PCTA presented his report on the 34<sup>th</sup> meeting of PCTA held on 19 September 2014 from 0900 to 1700 hours. The Chair, PCTA informed the Council about the changes in the membership of PCTA and workbodies functioning under various strategy themes (**Annex R3.1, page 23**). The Council approved the proposal for granting provisional membership to the nominees who are unable to attend the workbody meetings, and confirming them on the basis of their contribution and participation in the virtual mid-session meetings or e-mail exchange.

37. The Council was informed about the PCTA recommendation for establishment of the three WGs on "Modernization and Revitalization of Irrigation Schemes," "Institutional Aspects of Irrigation/ Drainage System Management," and "Sustainable Drainage Management" (with retrospective effect from 2013) based on the scoping documents presented at the PCTA meeting. The Council approved the establishment of these workbodies and agreed with PCTA recommendation that scoping document for the fourth workbody on "Irrigation Development & Management" be further developed and the proposal for its establishment be presented at the 66<sup>th</sup> IEC in Montpellier in 2015.

38. The Chair, PCTA informed the Council that the Committee considered the report presented by PH Bart Schultz, Chair of the Sub-Committee under PCTA to deliberate upon the Themes, Topics and Work plans of the various future ICID events including Congresses and World Irrigation Forums. The Chair informed that PCTA had recommended that the Guiding Principles for choosing themes for future ICID events like WIFs and Congresses be adopted. The Council adopted the Guiding Principles as given in **Annex R3.2, page 27** and approved the Theme and Topics for 26<sup>th</sup> European Regional Conference; Main Theme and Sub-Themes for 2<sup>nd</sup> World Irrigation Forum and Main Theme and topics for Questions 60 and 61, Special Session and Symposium for 23<sup>rd</sup> ICID Congress as given in **Annex R3.3, page 29**. The Council directed that the topics under Sub-Themes of WIF2 and Sub-Questions shall be finalized in consultation with ITAC to be established for this purpose.

39. Based on the recommendations by PCTA, the Council also approved the proposal to establish International Steering Committee and International Technical Advisory Committee (ITAC) for World Irrigation Forums, drawing members from the host NC and other ICID National Committees and partner organizations.

40. The Minutes of PCTA are given in **Appendix III, page 85**. The Council endorsed the report presented by the Chair.

**IEC Minutes Item 8.4: Discussion and Decisions on the Recommendations of the Permanent Committees**

41. The Council, after deliberations on the reports and recommendations of PFC, PCSO and PCTA took decisions through resolutions on the Financial Matters of ICID presented through PFC Report and on the Organizational and Technical Matters of ICID presented through the Reports of PCSO & PCTA, placed at **Resolution IEC-1/65, Resolution IEC-2/65 and Resolution IEC-3/65 (pages 9, 10 and 11)**.

**IEC Minutes Item 9: Report of the Chair of the Special Committee for the Amendments to the Constitution and By-laws**

42. The Special Committee for the Amendments to the Constitution and By-Laws set up under the Chairmanship of PH Peter Lee to have a relook at the Article 7.2 of the Constitution and the By-laws 2 "Election of Office-Bearers" submitted its Report which was circulated to the National Committees of ICID on 29 April 2014 (more than 2 months in advance of the IEC meeting). The Chair presented his report to the Council and informed that no new suggestions have been made by the NCs. The Council approved the proposals made by the Special Committee and took decision on the proposed amendments through **Resolution IEC-4/65, page 12**. The revised Article 7.2 of the Constitution and Article 2 of By-laws is given at **Annex R4.1, page 31**.

**IEC Minutes Item 10: Scheme for Recognition of Heritage Irrigation Structures**

43. The Chair of the Task Team constituted to work out objectives, guidelines and procedures for recognition of Historical Irrigation Structure, presented the 'Scheme for Recognition of "Heritage Irrigation Structures"' which was used to call for nominations from NCs. The Council was informed that based on the experience in adjudication of the first batch of 29 nominations, members of the PoJs presented certain views during the meeting of the WG-HIST. There was a proposal that the HIS should not be restricted only to the operational structures but also be extended to structures that might have been rendered out of use, but have historical archeological value. The working group has proposed that they would present its detailed inputs to include the irrigation and drainage structures which are not operational. The Council decided not to approve the Scheme in its present form and requested the Task Team to revisit the Scheme in view of the discussions at the WG-HIST and the Office Bearers' Committee and present the revised Scheme at 66<sup>th</sup> meeting of IEC in Montpellier.

**IEC Minutes Item 11: Status of Future ICID Conferences / Congresses / Forums**

44. The IEC has so far approved the venue of the following major future ICID events:

- (a) 66<sup>th</sup> IEC and 26<sup>th</sup> European Regional Conference, Montpellier, France, 11-16 October 2015
- (b) 67<sup>th</sup> IEC and 2<sup>nd</sup> World Irrigation Forum, Chiang Mai, Thailand, 06-12 November 2016
- (c) 13<sup>th</sup> International Drainage Workshop, Ahvaz City, Khuzestan Province, Iran, 2017
- (d) 68<sup>th</sup> IEC and 23<sup>rd</sup> ICID Congress on Irrigation and Drainage, Mexico City, Mexico, 08-14 October 2017

45. Representatives of AFEID, THAICID and MXCID presented the status of preparations for holding the 66<sup>th</sup> IEC with 26<sup>th</sup> ERC at Montpellier; 67<sup>th</sup> IEC with WIF2 at Chiang Mai and 68<sup>th</sup> IEC with 23<sup>rd</sup> ICID Congress at Mexico City including the detailed fee structure for the events. Based on the recommendations of the PFC, the Council approved the fee structure for the various events as given in **Annex R1.3, page 19 of Resolution IEC-1/65**. The Council noted that the proposal from IRNCID for hosting 13<sup>th</sup> International Drainage Workshop in 2017 was provisionally accepted at the 64<sup>th</sup> IEC and endorsed the approval of organization of the event by IRNCID as given by MB on the submission of Form A to the CO.

46. The Council was informed that the Central Office through a circular had invited the National Committees to submit proposals for hosting the future events: 8<sup>th</sup> Asian Regional Conference (2015 onwards), 4<sup>th</sup> African Regional Conference (2015 onwards), 9<sup>th</sup> International Micro Irrigation Symposium (2015 onwards), and 69<sup>th</sup> IEC (2018). However, there have not been any offers to host these events. The Council was informed that African Regional Working Group is making special efforts to get a proposal for the 4<sup>th</sup> African Regional Conference and perhaps the 69<sup>th</sup> IEC. The Council appealed to the NCs to make their proposals within the stipulated time.

**IEC Minutes Item 12: Review of the Procedures for Adjudication of various ICID Awards**

47. The Council recalled that based on the experience gained over the years and suggestions from the Panel of Judges from time to time, it had decided vide resolution IEC-2/64 to constitute a Task Team to review the procedures for proposing and adjudication of these awards. The Council noted that the TT was constituted under the chairmanship of PH Chandra Madramootoo to revisit the procedure adopted for calling nominations, adjudication etc. of WatSave, BPNC and BPW Awards. The Council noted that PH Peter S. Lee, Chairman of the Panel of Judges for BPNCA-5 had also suggested certain changes in the Nomination Form for BPNCA, based on his evaluation of the nominations submitted for BPNCA-5. The Chair of the TT presented the schemes for each of the Awards. The Executive Council approved the WatSave Scheme (**Annex R5.1, page 35**), BPNCA Scheme (**Annex R5.2, page 41**) and BPWA Scheme (**Annex R5.3, page 49**) vide **Resolution IEC-5/65, page 13**.

48. The Scheme for WID Prize (*Procedures, Conditions and Criterion*) drawn up by the International Panel of Experts for the first WID Prize in Mardin during WIF1, was notified to National Committees on 08 January 2013. And later the Jury, which was constituted for selecting the candidate for the WID Prize 2013, was also entrusted with the task of suggesting changes, if any, on the “Procedures, Conditions and Criterion”, based on their experience during the evaluation of WID Prize. The Executive Council adopted **Resolution IEC-6/65, page 14**, approving the revised Scheme for WID Prize as given in **R6.1, page 53**.

**IEC Minutes Item 13: Election of Office Bearers 2014-2017**

49. The Council was informed that the 3-year term (2011-2014) of President Gao Zhanyi and three Vice Presidents Prof. Tai Cheol, Kim (Republic of Korea), Mr Adama Sangare (Mali), and Dr Gerhard R. Backeberg (South Africa) would conclude at the end of the 65<sup>th</sup> IEC and 22<sup>nd</sup> ICID Congress at Gwangju and its appurtenant study tours, as per the provision of Articles 7.2.3 and 7.2.4 of the ICID Constitution. The Council put on record the contributions by the retiring President and three VPs during their term and hoped that they would continue to make their contributions.

50. The Council noted that in response to the Central Office’s circulars inviting nominations from National Committees for the positions of President and three Vice Presidents for the term 2014-17, two nominations – Dr Saeed Nairizi (Iran) and Mr Felix B. Reinders (South Africa) – for the position of President, and five nominations, viz. Dr Mohamed Wahba (Egypt), Mr Moussa Amadou (Niger), Mr Bong Hoon Lee (Korea), Dr Ding Kunlun (China) and Prof. Dr Zahoor Ahmad Swati (Pakistan) – for the positions of Vice Presidents were received by the last date for receipt of nominations, i.e. 20 May 2014.

51. The Council based on the voting undertaken in accordance with ICID By-laws 2, elected Dr Saeed Nairizi (Iran) as the President of ICID for a three-year term (2014-2017). In accordance with Article 7.2.3 of ICID Constitution, the term of office of the President shall be three years, starting from the end of one Congress to the end of the next Congress.

52. Based on the voting undertaken in accordance with By-laws 2, the Council elected Dr Mohamed Wahba (Egypt), Mr Bong Hoon Lee (Korea) and Dr Ding Kunlun (China) for a three year term 2014-17 in that order of seniority that was determined based on the number of votes polled by each one of them( ICID By-laws 2.8). As per Article 7.2.4 of ICID Constitution, the term of VPs elected at the 65<sup>th</sup> IEC meeting held at the time of the Congress, shall begin at the conclusion of the Council meeting and its appurtenant study tours and expire at the conclusion of the Congress and its appurtenant study tours.

**IEC Minutes Item 14: Presentation of ICID Awards / Plaques**

**IEC Minutes Item 14.1: Presentation of WatSave Awards**

53. PH Prof. Chandra Madramootoo, Chair of the Panel of Judges constituted for the evaluation of the nominations received for annual WatSave Awards, presented his report at the Council, introducing the works for which the awards would be presented. He announced that Mr Jeff Shaw (USA) is the winner of the WatSave Award for Technology for his work ‘A computerized and automated pressurized irrigation and water supply delivery system for the South San Joaquin Irrigation District’ and Dr Yosri Ibrahim Mohamed Atta (Egypt) is the winner of WatSave Award for Innovative Water Management for his work ‘Furrow design and maize crop planting technique’.

54. President handed over the plaques and the cheques of US\$ 2000 each to the WatSave Award winners. President thanked KCID for the financial support for the award of WatSave Awards and welcomed their offer to contribute the cash award earmarked for other two awards in remaining category, to the World Irrigation and Drainage Prize Corpus Fund.

**IEC Minutes Item 14.2: Retiring President and 3 Vice Presidents**

55. The citation plaques were presented to the three retiring Vice Presidents, Prof. Tai Cheol Kim, Mr Adama Sangare, and Dr Gerhard R. Backeberg by President Dr. Gao Zhanyi for their services to further ICID activities during their tenure 2011-2014. Thereafter the retiring President Dr. Gao was presented with citation plaque by PH Prof Chandra Madarmootoo for his outstanding contribution and the leadership provided by him during the last three years.

**IEC Minutes Item 14.3: Retiring Chairs of Workbodies**

56. The retiring chairpersons of workbodies -- Dr Saeed Nairizi (Iran), Chairman, PFC (2006-2014) Dr Ragab Ragab (United Kingdom), Chairman, PCSO (2011-2014), Dr Mohamed Hassan Amer (Egypt), Chairman, WG-WATS (2010-2013), and Dr Willem F. Vlotman (Australia), Chairman, WG-DRG (2001-2013) -- were honoured with the presentation of citation plaques for their commendable guidance to the activities of the concerned workbodies.

**IEC Minutes Item 15: Any other business by the permission of the Chair**

57. President Dr Gao, placed before the Council his proposal, made after due consultation with the Management Board and the Office Bearers' Committee, about the re-nomination of Avinash Chand Tyagi as the Secretary General of ICID for a further period of three years starting from 2015, which was in accordance with Article 7.7 of ICID Constitution. The Council members expressed their appreciation for the excellent work being undertaken by the Central Office under the leadership of Er Tyagi during his tenure. The Council also recognized that a number of reforms have been implemented in the working of the ICID Central Office and successfully implementing the new initiatives, and putting down a number of processes making use of latest technology, during the current tenure of the SG. However, the Council observed that three year new tenure for the SG will again bring a situation in 2017 where, the President and Secretary General would both be new. With a view to stagger the commencement of tenures of SG and the President, the Council decided to re-appoint Er Avinash C Tyagi, as Secretary General for an unprecedented four-year term as an exceptional case.

58. Secretary General thanked the Council for reposing faith in him for another four years and assured his best of services to the Commission.

**IEC Minutes Item 16: Remarks by President-Elect and closing remarks by the President, ICID**

59. Dr Saeed Nairizi, President-Elect thanked all the members for the support and for expressing confidence in him as the next President of ICID, and said that he was aware of the enormous challenges and responsibilities of the position. He thanked IRNCID and its members for their support by putting forward his nomination. Dr Nairizi asked for a firm support of all National Committees, members and chairs of the various workbodies, the Office Bearers, the Secretary General and staff of the Central Office.

60. Outgoing President Dr Gao Zhanyi commenced his closing remarks by thanking the Council and members for their immense faith in him and the support to various activities initiated during his term of office. President Gao acknowledged the significant contribution of the past and present Office Bearers. President Gao congratulated the incoming President Dr Saeed Nairizi and wished that he would bring new activities to ICID and will take ICID to greater heights. President Gao assured his continued support to ICID as President Hon. in future too. He congratulated three newly elected Vice Presidents and also thanked the host Korean National Committee for their great work and efforts in holding the event magnificently and extending extraordinary hospitality to all delegates. He felt very proud of ICID that the event was successful. President Gao thanked the retiring Vice Presidents and said that they had been a great support in furthering ICID activities and hoped for their continued support to future activities of ICID. Finally, he acknowledged the role of Secretary General and the Central Office as it was a proud part of ICID's success during his tenure.

61. The President declared the 65<sup>th</sup> IEC meeting closed.



## **RESOLUTIONS**





**INTERNATIONAL EXECUTIVE COUNCIL (IEC)****RESOLUTION IEC-1/65: 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 Abhyankar and Company; and

**Considering** the recommendation of the Management Board;

**Decides Unanimously**

1. To approve the nomination of Mr. Naoki Hayashida (Japan), Mrs. Irene Bondarik (Russia), and Engr. Husnain Ahmad (Pakistan) as members of PFC.
2. That the 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 subscription.
3. To approve the Life Membership Subscription for Individual Direct Membership from Developed Countries and Developing Countries, i.e. for Developed Countries: US\$ 900 for Individual and US\$ 600 for Individual (Retiree) and for Developing Countries: US\$ 550 for Individual, US\$ 500 for Individual (Retiree), respectively.
4. That the National Committees of Fiji and Ukraine be declared as "*Associate Members*" from 1 January 2015, if they fail to clear their outstanding subscription by that date, as they have failed to contribute ICID subscription for the last three years in accordance with By-law 13.2.
5. To approve the Audited Accounts of ICID for the financial year 2013-14 as given in **Annex R1.1, page 15**.
6. To approve the Revised Budget of ICID for the financial year 2014-15 and the Budget for the financial year 2015-16 as given in **Annex R1.2, page 18**.
7. To approve the Fee Structure for the 67<sup>th</sup> IEC Meeting and 2<sup>nd</sup> World Irrigation Forum (WIF2), Thailand and 68<sup>th</sup> IEC and 23<sup>rd</sup> ICID Congress, Mexico, as given in **Annex R1.3, page 19**.
8. Thanked Dr. Saeed Nairizi and SG for the hard work undertaken by them during the last three years for improving the financial situation of ICID.

**Appreciates**

9. The NC of Turkey for contributing the appropriate share of the registration fee for the First World Irrigation Forum and 64<sup>th</sup> IEC to the ICID Budget.
10. The Ministry of Water Resources, People's Republic of China for providing grants for carrying out various ICID activities during the Financial Year 2013-14.



**INTERNATIONAL EXECUTIVE COUNCIL (IEC)****RESOLUTION IEC- 2/65: CREATION OF CORPUS FUND FOR  
WORLD IRRIGATION AND DRAINAGE (WID) PRIZE****THE Council**

**Considering** the Report of the Task Team for Establishment of financial mechanism for WID Prize, established on the basis of Resolution IEC-2/64 at Mardin, Turkey, 2013,

**Considering** the Report of the Task Team formed to consider the suggestions made by the members,

**Noting** the endorsement of the PFC and the Management Board,

**Decides unanimously**

1. To establish World Irrigation and Drainage Prize Corpus Fund,
2. To approach various institutions/donors / individuals / corporate bodies / research institutions following the UN Charter with interest in promoting the objectives of WID Prize, for receiving sponsorship,
3. The funds from the Corpus Fund shall be utilised for expenditure exclusively on the following specific account:
  - (a) Payment to the WID Prize winner;
  - (b) To raise voluntary contributions towards the Fund;
  - (c) To undertake publicity; and
  - (d) To meet any other expenditure in connection with WID Prize
4. To adopt the Rules and Regulations for the WID Prize Corpus Fund as given in **Annex R2.1, page 21.**

**Appeals**

5. To the National Committees / Direct Members / International Organizations / Private Sector companies to donate / sponsor the WID Prize

**Appreciates**

6. The National Committees of China and Korea for their commitment to the Corpus Fund.

**Requests**

7. The PFC to review the viability of the WID Prize financially every Congress year, and suggest any modifications if required.



---

**INTERNATIONAL EXECUTIVE COUNCIL (IEC)**
**RESOLUTION IEC-3/65: ORGANISATIONAL AND TECHNICAL MATTERS OF ICID**
**THE Council**

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

**Considering** the endorsement by the Management Board; and

**Decides unanimously**

1. To approve the reactivation of the National Committees of Madagascar, Nigeria and Tajikistan in accordance with By-law 13.5 and to admit the National Committees of Burkina Faso as a new Member of ICID and IEC.
2. To approve the membership changes of various work bodies of PCTA and PCSO as given in **Annex R3.1, page 23** to this resolution (*any discrepancies may be clarified through contact/correspondence with the Central Office.*)
3. To approve the introduction of provisional membership for nominees to working groups who are unable to attend the workbody meetings and confirming the same on the basis of their participation in the virtual mid-session meeting or e-mail exchange and contribution.
4. To approve the conversion of WG-YPF into "ICID Young Professionals' Forum".
5. To adopt the Guiding Principles for choosing the Themes for future ICID events as given in **Annex R3.2, page 27**.
6. To approve the theme and topics for 26<sup>th</sup> IERC, theme and sub-themes for WIF2 and theme and topics for Questions, Special session and Symposium for 23<sup>rd</sup> Congress as given in **Annex R3.3, page 29**.
7. To approve the establishment of the workbodies on the topics under the Thematic Area Scheme
  - (i) Modernization and Revitalization of Irrigation Schemes,
  - (ii) Institutional Aspects of Irrigation/ Drainage System Management, and
  - (iii) Sustainable Drainage. (with retrospective effect from 2013)
8. To approve the closure of WG-POVERTY
9. To approve the extension of WG-DROUGHT, WG-ENV, WG-CLIMATE, WG-BIO-ENERGY and WG-ON-FARM for one year up to 2015 and WG-HIST for two years up to 2016,

**Appreciates**

10. Efforts of VPs for new membership drive and in reactivating the Associate Members.

**Requests**

11. To request the Management Board to establishment an International Steering Committee and International Technical Advisory Committee (ITAC) for WIF2 keeping the topics under sub-themes for 2<sup>nd</sup> WIF and the sub-questions as tentative and finalized after consideration by ITAC of the event so that due consideration to the inputs of our technical partners could be given.
12. SG to revisit the YP mentorship scheme considering new inputs and present a revised proposal at the 66<sup>th</sup> IEC meeting in Montpellier, France.
13. SG to develop rules and assist the organization of Young Professionals Forum (YPF).



---

**INTERNATIONAL EXECUTIVE COUNCIL (IEC)**

**RESOLUTION IEC-4/65: CHANGES IN THE CONSTITUTION AND BY-LAWS OF ICID**

**THE Council**

**Considering** the Report of the Special Committee for Constitutional Amendments, established on the basis of Resolution IEC-3/63 at Adelaide, Australia, 2012

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

**Decides unanimously**

1. To adopt the amendments to the ICID By-laws 2.1, 2.3, 2.5, 2.6 and 2.7 concerning Election of Office Bearers (By-law 2) as listed in **Annex R4.1, page 31**.

**Requests**

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



**INTERNATIONAL EXECUTIVE COUNCIL (IEC)****RESOLUTION IEC-5/65: SCHEMES FOR WATSAVE AWARDS, BEST PERFORMING NATIONAL COMMITTEE AWARD (BPNCA) AND BEST PERFORMING WORKBODY AWARD (BPWA)****THE Council**

**Considering** the Report of the Task Team to Review the Procedure for Proposing and Adjudication of WatSave Awards, constituted in pursuant to the decision of Resolution IEC-2/64 at Mardin, Turkey in 2013

**Noting** the endorsement of the Management Board,

**Decides unanimously**

1. To approve the WatSave Awards Scheme as given in **Annex R5.1, page 35.**
2. To approve the BPNCA Scheme as given in **Annex R5.2, page 41.**
3. To approve the BPWA Scheme as given in **Annex R5.3, page 49.**

**Requests**

4. Henceforth, follow the procedures and time frame laid down in Award Schemes for call for nominations, constitution of panel of judges, evaluation of nominations, announcement of results, etc.

**Authorizes**

5. Management Board to nominate the Panel of Judges for adjudication of the awards in accordance with the each scheme.



**INTERNATIONAL EXECUTIVE COUNCIL (IEC)****RESOLUTION IEC-6/65: SCHEME FOR WORLD IRRIGATION & DRAINAGE (WID) PRIZE****THE Council**

1. **Considering** the detailed procedure for nomination, adjudication and other conditions and criterion for awarding the 1<sup>st</sup> World Irrigation & Drainage Prize in 2013 laid out by the International Panel of Experts constituted to work out further details of the World Irrigation (Achievement) / Prize / Award including its title, scope and procedure for selection,
2. **Considering** the notification No.1 of 2013 notifying the institution of WID Prize to ICID National Committees on 08 January 2013,
3. **Considering** the revised Scheme for WID Prize suggested by the Jury of WID Prize appointed in May 2013,
4. **Noting** the endorsement of the Management Board,

**Decides unanimously**

5. To approve the Scheme for WID Prize as given in **Annex R6.1, page 53.**



## **ANNEXES TO RESOLUTIONS**





**AUDIT REPORT FOR THE YEAR ENDING 31 MARCH 2014****A. ABHYANKAR & COMPANY**  
**Chartered Accountants****International Executive Council**

International Commission on  
Irrigation and Drainage  
48 Nyaya Marg, Chanakyapuri  
**New Delhi 110 021**

Dear Sir,

1. We have audited the attached Balance Sheet of International Commission on Irrigation and Drainage (ICID) as on 31<sup>st</sup> March, 2014, Income & Expenditure and Receipt & Payment Account for the year ending on that date.
2. These financial statements are the responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit.
3. We conducted our audit in accordance with auditing standards generally accepted in India. Those Standards requires that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion. We report that :
  - (i) We have obtained all the information and explanation which, to the best of our knowledge and belief, were necessary for the purpose of our audit.
  - (ii) In our opinion, proper books of accounts, as required by law, have been kept by the ICID, so far as appears from our examination of those books.
  - (iii) The Balance Sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report, are in agreement with the books of account.
  - (iv) The Balance Sheet, Income & expenditure Account and Receipt & Payment Account dealt with by this report generally (if stated otherwise) comply with the accounting standards issued by the Institute of Chartered Accountants of India, so far as applicable.
  - (v) In our opinion and to the best of our information and according to the explanation given to us, the said accounts, read with the notes thereon, 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 ICID as on 31<sup>st</sup> March, 2014
    - (b) In the case of Receipt & Payment Account, of the receipts and payments for the year and
    - (c) In the case of the Income & Expenditure Account, of the excess of Expenditure over Income for the year ended on that date.

Yours faithfully,

**Sd/-**

**For A. Abhyankar & Co.**  
Chartered Accountants  
Firm Registration No-023961N

Place: New Delhi  
Dated: 16<sup>th</sup> July, 2014

Aniruddha Abhyankar  
Proprietor  
M. No. F-077883

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE  
BALANCE SHEET AS ON 31ST MARCH, 2014**

	Year 2013-14 Amount INR	Year 2012-13 Amount INR
<b>ASSETS</b>		
Property & Equipment	12,438,530	7,656,328
Receivables	9,070,255	8,870,877
Stock of Publications	510,125	641,280
Bank Balances & Cash in Hand	35,609,945	35,466,948
<b>Total Assets</b>	<b>57,628,855</b>	<b>52,635,433</b>
<b>LIABILITIES</b>		
General Fund	28,564,058	34,502,731
Gratuity Fund	1,847,061	3,537,664
Gulhati Memorial Lecture Fund	443,477	-
Special Fund Receipts	3,310,230	1,863,132
Dictionary Fund	-	660,595
Security Deposits	19,310,000	9,186,520
Wat Save Award Fund	-	661,479
Subscription Received in Advance	4,154,029	2,223,312
<b>Total Liabilities</b>	<b>57,628,855</b>	<b>52,635,433</b>

*Auditor's Report*

**Sd/-**

**For A. Abhyankar & Co.**  
Chartered Accountants  
Firm Registration No-023961N

Aniruddha Abhyankar  
Proprietor  
M. No. F-077883

Place: New Delhi  
Dated: 16<sup>th</sup> July, 2014

Sd/-  
Aniruddha Abhyankar  
Proprietor

Sd/-  
Dr. Vijay K. Labhsetwar  
Director

Sd/-  
Avinash C. Tyagi  
Secretary General

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE  
RECEIPT AND PAYMENT ACCOUNT  
FOR THE YEAR FROM 1ST APRIL 2013 TO 31ST MARCH 2014**

<b>PARTICULARS</b>	<b>Year 2013.14</b>	<b>Year 2012.13</b>
<b>RECEIPTS</b>	<b>Amount INR</b>	<b>Amount INR</b>
Cash & Banks (balance brought forward)	35,466,948	34,189,469
Membership Subscriptions	14,365,733	12,804,148
Sale of Publications	908,372	1,068,405
Special Contribution to Budget	-	2,909,522
Interest on Fixed Deposits	3,724,392	3,281,633
Grant Received	3,575,000	4,256,870
Other Receipts	15,980,875	3,576,885
Rent on Let out Property	23,328,079	9,529,512
Income Tax Refund	1,326,278	-
<b>Total</b>	<b>98,675,677</b>	<b>71,616,443</b>
<b>PAYMENTS</b>		
Salaries and other incidentals	18,810,881	15,931,795
Compensation package for Secretary General	2,507,400	2,264,408
Superannuation Relief to Retired Employee	2,435,315	-
Service and Maintenance	5,489,680	2,875,607
Taxes and Utilities	20,294,002	2,228,991
Rehabilitation & refurbishing	-	2,642,694
Printing and Distribution	3,577,134	3,179,303
Conference Expenditure	619,894	493,009
Travelling Expenses	760,701	1,011,812
Grants utilized	1,815,479	2,302,622
Subscription to other organization	66,179	-
Others	171,885	179,844
Duties & Taxes Paid	-	2,534,936
Purchase of Fixed Assets	6,517,182	412,417
UNESCO IHE Online Course Sponsorship	-	92,057
Cash & Banks (balance carry forward)	35,609,945	35,466,948
<b>Total</b>	<b>98,675,677</b>	<b>71,616,443</b>

*Auditor's Report*

**Sd/-**

**For A. Abhyankar & Co.**  
Chartered Accountants  
Firm Registration No-023961N

Aniruddha Abhyankar  
Proprietor  
M. No. F-077883

Place: New Delhi  
Dated: 16<sup>th</sup> July, 2014

Sd/-  
Aniruddha Abhyankar  
Proprietor

Sd/-  
Dr. Vijay K. Labhsetwar  
Director

Sd/-  
Avinash C. Tyagi  
Secretary General

**APPROVED REVISED BUDGET 2014-15, APPROVED BUDGET 2015-16,  
PRELIMINARY BUDGET 2016-17 AND FORECAST BUDGET 2017-18**

Sr. No.	Particulars	Approved Revised Budget 2014-15	Approved Budget 2015-16	Preliminary Budget 2016-17	Forecast Budget 2017-18
		Rs.	Rs.	Rs.	Rs.
<b>I</b>	<b>RECEIPT</b>				
	1. Membership Subscriptions	159,28,170	175,44,626	180,20,852	185,16,784
	2. Sale of Publications	12,54,810	12,98,847	13,50,774	14,06,680
	3. Special Contribution to the Budget	135,93,589	42,30,000	79,80,000	1,20,000
	4. Interest on Fixed Deposits	20,82,438	22,70,631	24,75,838	26,99,600
	5. Other Receipts	34,58,629	27,65,938	20,756	21,794
	6. Rent and Maintenance Charges	336,82,440	336,82,440	386,00,012	397,45,200
	<b>TOTAL RECEIPTS</b>	<b>700,00,075</b>	<b>617,92,482</b>	<b>684,48,232</b>	<b>625,10,058</b>
<b>II</b>	<b>PAYMENT</b>				
	1. Compensation Package for SG	26,52,240	28,19,640	29,92,440	32,30,040
	2. Salaries	159,64,268	171,41,462	190,40,490	206,75,100
	3. Superannuation Relief to Retired Employees	32,35,687	37,53,397	43,53,941	50,50,572
	4. Service & Maintenance	60,25,000	62,50,000	64,05,000	69,90,000
	5. Taxes & Utilities	124,92,319	127,43,244	142,23,264	147,92,632
	6. Rehabilitation / Refurbishing of CO Building	56,00,000	15,00,000	0	0
	7. Printing, Purchase and Distribution of Publication	38,03,300	38,68,300	42,38,600	46,09,460
	8. Conference Expenditure	12,00,000	3,75,000	10,30,000	13,90,000
	9. Subscription to other organizations	0	0	80,000	0
	10. Travel Expenditure	9,00,000	10,60,000	12,20,000	13,80,000
	11. Purchase of Office Equipment	16,00,000	5,50,000	6,00,000	6,50,000
	12. Workshops and Training	3,00,000	3,50,000	4,00,000	4,50,000
	13. Other payments	2,00,000	2,50,000	3,00,000	3,50,000
	<b>TOTAL PAYMENTS</b>	<b>539,72,814</b>	<b>506,61,043</b>	<b>548,83,735</b>	<b>595,67,804</b>
	<b>Surplus (Deficit) (1)</b>	<b>160,27,261</b>	<b>111,31,439</b>	<b>135,64,497</b>	<b>29,42,254</b>
	Grant Receipts	11,20,000	20,00,000	20,00,000	20,00,000
	Grants utilisation	11,20,000	20,00,000	20,00,000	20,00,000
	<b>Surplus (Deficit) of Grant (2)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Net Surplus/ Deficit (1)+(2)</b>	<b>160,27,261</b>	<b>111,31,439</b>	<b>135,64,497</b>	<b>29,42,254</b>

**FEE STRUCTURE FOR ICID EVENTS IN 2016 AND 2017**

<b>Year</b>	<b>2016</b>		<b>2017</b>	
<b>Venue</b>	<b>Chiang Mai, Thailand</b>		<b>Mexico City, Mexico</b>	
<b>Event</b>	<b>67<sup>th</sup> IEC with 2<sup>nd</sup> WIF</b>		<b>68<sup>th</sup> IEC with 23<sup>rd</sup> Congress</b>	
	Nos.	Rate	Nos.	Rate
Full registration*	400	\$750	500	\$800
Non-member fee				
Young Professionals (International)	100	\$400	300	\$400
Young Professionals (Local)				
Local/conference rate	400	\$100	100	\$500
Retired Professionals		\$400		\$400
Accompanying person		\$300		\$300



---

**RULES AND REGULATIONS FOR THE WID PRIZE CORPUS FUND****1. Background**

- 1.1 ICID has instituted the World Irrigation and Drainage Prize (WID Prize) in order to recognize the contributions made by an individual or an institution in the field of Irrigation and Drainage that have far reaching and wide impacts. The procedure, conditions and criterion of selection of ICID's World Irrigation and Drainage Prize approved by IEC as given in **Annex R6.1, page 53**.
- 1.2 On the basis of the relative merits and demerits of establishing a separate Trust Fund or set aside a Corpus Fund, based on the comparisons of governing members, trustees, accounting procedures, and operational expenses ICID International Executive Council, ICID's General Body, has created a Corpus Fund with the specific purpose of dispensing the Prize under a separate bank account of ICID. The rules and regulations for the Corpus Fund will be as follows.

**2. Rules and regulations for the WID Prize Corpus Fund**

- 2.1 ICID International Executive Council, ICID's General Body through its Resolution IEC-2/65, has established a Corpus Fund under a separate bank account of ICID but within the overall legal identity of ICID with the specific purpose of meeting the expenditure related to dispensation of the Prize.
- 2.2 The accounting procedures of the Fund shall follow the financial regulations as laid down by the Executive Council of ICID and would be subject to all the checks and balances required including book keeping and auditing following the procedures laid down, and will be using common auditing processes and permissions as granted to ICID.
- 2.3 The Corpus Fund account should be audited by the Statutory Auditor appointed by the Council as part of the ICID Audit.
- 2.4 The funds in this account would be received through voluntary contributions and shall not be used for any purpose other than the purposes specified in the Resolution IEC-2/65 of the IEC.
- 2.5 Any national or international entity can contribute/donate to this Corpus Fund with the instructions to use the contribution only for the specific purpose for which the fund has been created.
- 2.6 The money received for the Corpus Fund shall be put in Fixed Deposit instruments and, as far as possible, the bank interest on this Corpus Fund shall be used for defraying all expenditures related to WID Prize as described in the Resolution.

**3. Raising resources for the Corpus Fund**

- 3.1 The Corpus Fund will raise resources from individual persons, international organizations, research institutions and private companies, following the UN Charter.
- 3.2 The Corporate and International organizations contributing above US\$ 5000 will be appropriately acknowledged on the WID Prize web page, publicity brochures and publications etc. They will find a mention in the acknowledgements at the time of announcement and award of the Prize. The private sector companies contributing to the Corpus Fund will get the privilege of displaying their company profile during the IEC / Congress / WIF events.
- 3.3 Till a sufficient Corpus Fund is generated, host National Committees which will be holding the future WIF and Congress events should be requested to contribute about 50 percent of the award money.





**REVISED MEMBERSHIP OF WORKING GROUPS UNDER PCSO**

<b>A. MEMBERSHIP OF WORKBODIES UNDER PCSO</b>			
<b>Sl. No.</b>	<b>Members</b>	<b>Country</b>	<b>Accepted/Deferred</b>
<b>AFRWG</b>			
1.	Engr. Joe Kwanashie	Nigeria	Accepted
<b>ERWG</b>			
2.	Mr. Ian Makin in place of Mr. Peter S. Lee	UK	Accepted
<b>ASRWG</b>			
3.	Mr. Naoki Hayashida in place of VPH Shinsuke Ota	Japan	Accepted
4.	Dr. Rajinder Kumar Gupta (nominated by WAPCOS (India) Ltd., ICID Direct Member)	India	Provisionally Accepted
<b>WG-IDSST</b>			
5.	Dr. Rajinder Kumar Gupta (nominated by WAPCOS (India) Ltd., ICID Direct Member)	India	Provisionally Accepted
6.	Engr. Peter Y. Manjuk	Nigeria	Accepted
7.	Dr. Alexander Soloviev	Russia	Accepted
<b>WG-YPF</b>			
8.	Mr. Nam Joo Heo in place of Dr. Sung Hee Lee	Korea	Accepted
9.	Engr. Muhammad Ejaz Tanveer	Pakistan	Provisionally Accepted
<b>C-CONGR</b>			
Dr. Luis Rendon Pimentel (Mexico), the representative of MXCID hosting 23 <sup>rd</sup> ICID Congress is the new Chairman of the Committee.			
<b>B. MEMBERS TO BE REPLACED FROM WORKBODIES UNDER PCSO</b>			
<b>AFRWG</b>			
10.	Engr. Raphael L. Daluti	Tanzania	Step Down

**REVISED MEMBERSHIP OF WORKING GROUPS UNDER PCTA**

Sl. No.	Members	Country	Accepted/ Deferred/ Provisional
<b>A. MEMBERSHIP OF WORKBODIES UNDER PCTA</b>			
<b>PCTA</b>			
1.	Ms. Aysen Pervin GÜNGÖR	Turkey	Accepted
2.	Mr. Chaiwat Prechawit	Thailand	Accepted
3.	Mr. Mehrzad Ehsani	Iran	Accepted
<b>WG-ENV</b>			
4.	Engr. S.M.A. Zaidi in place of VPH Dr. Illahi B. Shaikh	Pakistan	Deferred
5.	Dr. Aman Sharma (nominated by WAPCOS (India) Ltd., ICID Direct Member)	India	Deferred
<b>WG-CAFM</b>			
6.	Mr. R.K. Agarwal (nominated by WAPCOS (India) Ltd., ICID Direct Member)	India	Provisionally Accepted
7.	Dr. (Ms) Rozalija Cvejic	Slovenia	Provisionally Accepted
<b>WG-CLIMATE</b>			
Prof. Tsugihiko Watanabe (Japan), Prof. Ray Shyan Wu (Chinese Taipei) and Dr. Fuqiang Tian (China) are elected as Chair, Vice Chair and Secretary of the WG.			
8.	Engr. Riaz Ahmad Khan	Pakistan	Provisionally Accepted
9.	Dr. Tian Fuqiang	China	Accepted
<b>WG-CROP</b>			
10.	Dr. Marco Arcieri	Italy	Accepted
<b>WG-ON-FARM</b>			
11.	Engr. Dickson Ahagbuje	Nigeria	Accepted
<b>WG-HIST</b>			
12.	Prof. Jaekyoung Noh	Korea	Accepted
13.	Dr. Chih-Hung Tan	Chinese Taipei	Provisionally Accepted
14.	Mr. Chaiwat Prechawit	Thailand	Accepted
15.	Engr. Sirika A.A.	Nigeria	Accepted
16.	Mr. Antonio Linoli	Italy	Provisionally Accepted
<b>TF-VE</b>			
17.	Mr Suman Sijapati	Nepal	Accepted
18.	Dr. Toshihiko Kuno	Japan	Accepted

Annex 3.1 (continued)

Sl. No.	Members	Country	Accepted/ Deferred/ Provisional
<b>C-PR&amp;P</b>			
19.	Mr. C.P. Arora (nominated by WAPCOS (India) Ltd., ICID Direct Member)	India	Accepted
<b>EB-JOUR</b>			
20.	Prof. Waldo Ojeda-Bustamante as Associate Editor	Mexico	Accepted
21.	Prof. Kendall C. DeJonge as Associate Editor	USA	Accepted
22.	Prof. Saleh Taghvaejan as Associate Editor	USA	Accepted
23.	Ir. Simon Howarth as Member	UK	Accepted
<b>WG-IOA</b>			
24.	Dr. Masayoshi SATOH	Japan	Accepted
25.	Dr. Hafied Gany	Indonesia	Accepted
<b>WG-M&amp;R</b>			
26.	Dr. Dong Bin	China	Accepted
27.	Mr. Vyacheslav Rozhon	Ukraine	Provisionally Accepted
28.	Mr. Mehrzad Ehsani	Iran	Accepted
29.	Mr. Jonathan Denison	South Africa	Accepted
30.	Ir. Eko Subekti	Indonesia	Provisionally Accepted
<b>WG-SDG</b>			
31.	Prof. (Ms.) Kyung-Sook Choi	Korea	Provisionally Accepted
32.	Dr. Hajime Tanji	Japan	Accepted
33.	Prof. Ir. Robiyanto Hendro Susanto	Indonesia	Provisionally Accepted
<b>B. MEMBERS TO BE REPLACED/RETAINED FROM WORKBODIES UNDER PCTA</b>			
<b>PCTA</b>			
1.	VPH Er. A.K. Bajaj	India	To be replaced
2.	Dr. Willem F. Vlotman	Australia	Stepped down
3.	Dr. Mark Svendsen	USA	Stepped down
<b>WG-DROUGHT</b>			
4.	Dr. T.B.S. Rajput	India	Stepped down
5.	Dr. Kiwook Park	Korea	Stepped down
<b>WG-SDTA</b>			
6.	Engr. Md. Ahasan Ullah	Bangladesh	Stepped down
<b>WG-ENV</b>			
7.	Mrs. Dr. Shaden Abdel-Gawad	Egypt	Stepped down
8.	VPH. Dr. Jose A. Ortiz Fernandez-Urrutia	Spain	Stepped down
9.	Mr. C.K. Agrawal	India	Stepped down
10.	VPH Dr. Illahi B. Shaikh	Pakistan	Stepped down

Annex 3.1 (continued)

<b>WG-CAFM</b>			
11.	Mr. Ahmet Seren	Turkey	To be replaced
12.	Dr. G.S. Purba	India	Stepped down
<b>WG-CLIMATE</b>			
13.	VPH Dr. Karim Shiati	Iran	To be replaced
14.	Dr. Juan A. Rodriguez-Diaz	Spain	To be replaced
15.	Dr. Mark Svendsen	USA	Stepped down
<b>WG-CROP</b>			
16.	Prof. Dr. Rai Niaz	Pakistan	Stepped down
17.	Mr. Chen Yih-Rong	Chinese Taipei	To be replaced
<b>WG-PQW</b>			
18.	Ms. Nur Kuru	Turkey	Stepped down
19.	Dr. Magdy Abdel Hamid	Egypt	Stepped down
<b>WG-ON-FARM</b>			
17.	Mr. Mohan Reddy Junna	USA	Stepped down
18.	Prof. Dr. Rai Niaz Ahmed	Pakistan	Stepped down
<b>WG-HIST</b>			
19.	Mrs. Ela Ekin	Turkey	Stepped down
20.	VPH Dr. Illahi B. Shaikh	Pakistan	Stepped down
21.	Mr. Satit Maneepai	Thailand	Stepped down
<b>WG-POVERTY</b>			
22.	VP Adama Sangare	Mali	Stepped down
23.	Dr. Moussa Amadou	Niger	Stepped down
<b>EB-JOUR</b>			
24.	Dr. Bruce Lankford	UK	Stepped down

### **GUIDING PRINCIPLES FOR CHOOSING THEMES FOR FUTURE ICID EVENTS**

1. In order to bring synergy and coherence in the themes of various ICID events, particularly in the selection of topics for Congress Questions and WIF Themes, the IEC (Resolution IEC-2/64) decided to constitute a Sub-Committee under PCTA to deliberate upon the Themes, Topics and Work plans of the various future ICID events including Congresses and World Irrigation Forums. The Terms of References are given below:

- (a) To deliberate and recommend the Themes, Topics and Work plans of future ICID events including Congresses and World Irrigation Forums;
- (b) To set out format and technical contents of the Congress and WIFs;
- (c) To recommend optimal programme for the Congress to PCTA;
- (d) To recommend to PCTA the topics of the two Questions,
- (e) To review the technical outputs and outcomes and suggest follow ups.

2. The need for such a sub-committee also emerged from the members' concern at the duplication between Congresses and World Irrigation Forums and the need to have a clear distinction between the World Irrigation Forum and the Congresses.

3. The Sub-Committee at its meeting held at Gwangju, Korea on 15 September 2014 proposed the following "Guiding Principles" for choosing the Themes for various ICID events, including its Congresses and World Irrigation Forums for to the PCTA for its consideration and recommendation to IEC for its adoption.

4. The Sub-Committee, while evolving/developing the themes/subthemes, question/sub-questions, or topics / subtopics for the future ICID events, recommended that the following factors should be considered:

- (a) ICID should be able to influence the global debate on water and the role that irrigation and drainage sector can play in moving towards a world which sustainably achieves water security, as well as food security.
- (b) ICID should be able to constantly provide a lead in exchanging the latest technological developments by addressing questions of direct relevance at its Congress sessions.
- (c) It is important that the questions that are deliberated at the various congresses, the themes of the various fora and conferences and the overall plans of various technical working groups are closely interlinked in order for them to address the current issues and meet the overall objects of the commission.

#### **A. ICID Congress**

5. The target audience: The target audience for the Congress should essentially be the technical experts, working in the field of irrigation, drainage and flood management from within the ICID community but also other national and international institutions working in research and development institutions on one hand and extension services on the other, who hitherto have not been closely involved with ICID activities.

6. Objective: The objective of Congress should be to address questions that require deliberated response from and closer collaboration between experts working in separate specialized fields under different working groups. It should aim at synthesizing the work of different groups, identifying the gaps, and identifying the area of collaboration.

7. Nature of Topics: As ICID is the only international professional organization dealing with irrigation and drainage Theme for the Congress should be oriented more towards technical topics. It may not be out of place to mention that Irrigation and Drainage is one area where the rapid advancements in the technology have not taken roots in most of the countries. Therefore the Questions to be addressed at the Congress should be able to help bridge the technology gap between the developing and developed members of ICID.

8. Organization of side events: Since the Congress questions are of specific but of universal interest, the host NC might like to deliberate on certain local or regional issues. Such topics shall form the subject of a Symposium or a Seminar and would fall within the purview of the Technical Organizing Committee of the Congress. Technical exhibition, specialized workshop or courses for young professionals can also form part of the side events.

9. Declaration: The “Congress Declaration” should essentially be the answer to the questions deliberated at the Congress. In exceptional cases where the host organization intends to draw benefit from the deliberation of international experts on a certain topic of the local interest in the form of an outcome, a Statement (called xxxx (city) Statement) can be issued, which essentially should bring out the outcome of the Symposium

#### **B. World Irrigation Forum**

10. The target audience: All stakeholders, technical and non-technical, engineering or social scientists engaged in various facets of agriculture water management ranging from researchers and policy makers to farmers.

11. Objective: The main objective of the World Irrigation Forum is to provide a platform for well-informed dialogue between various actors; understanding various perspectives, motives, capacities and limitations; identifying requirements, synergies and collaborative opportunities; and facilitating mutual understanding and collaboration.

12. Nature of Topics: The Themes of the WIF should be of general interest but providing a sequence of steps moving towards water, energy and food security in the changing world.

13. Organization of side events: Side events will play an important role in various stakeholders putting across their perspectives on Irrigation and Drainage and using an informal setting for dialogues.

14. Declaration: The Forum being just a platform, it may not be advisable to have a declaration, instead a Statement can be issued.



**THEME AND TOPICS FOR 26<sup>TH</sup> ERC, THEME AND SUB-THEMES FOR WIF2 AND THEME AND TOPICS FOR QUESTIONS, SPECIAL SESSION AND SYMPOSIUM FOR 23<sup>RD</sup> ICID CONGRESS**

**A. European Regional Conference (2015), Montpellier, France**

Theme:	Innovate to improve irrigation performances
Topics:	(i) Innovations for smallholders in irrigation (ii) Wastewater use in agriculture (iii) Governance of surface water and groundwater

**B. 2<sup>nd</sup> World Irrigation Forum (2016), Chiang Mai, Thailand<sup>1</sup>**

<b>Theme:</b>	<b>Water management in a changing world: Role of Irrigation for sustainable food production</b>
Sub-theme 1.	Key actors in balancing water, food, energy and ecology
Sub-theme 2.	Managing impacts of climatic extremes with focus on floods and droughts
Sub-theme 3.	Key and smart actions to alleviate hunger and poverty through irrigation and drainage

**C. 23<sup>rd</sup> Congress (2017), Mexico City, Mexico<sup>1</sup>**

<b>Theme:</b>	<b>Modernizing Irrigation and Drainage for a new Green Revolution</b>
Question 60:	Water Productivity: Revisiting the concepts in light of water, energy and food nexus
Question 60.1	Water saving: What is possible, what is not possible?
Question 60.2	Water footprint of crops and derived crop products
Question 60.3	Hydropower generation in irrigation systems: Sharing water and benefits
Question 60.4	Understanding water productivity, water and energy use efficiency
Question 60.5	Water security as incentive for growth and development
Question 60.6	Transferring water out of agriculture: Emerging issues and challenges with respect to food production
Question 61:	State of knowledge of irrigation techniques and practicalities within given socio-economic settings
Question 61.1	Precision irrigation management
Question 61.2	Water use in food value chains
Question 61.3	Modelling and remote sensing for improved irrigation
Question 61.4	Monitor and control systems for irrigation
Question 61.5	Improving surface irrigation under water scarcity
Special Session:	Irrigation techniques with reused water and their impacts
Symposium	Review of experiences with water users associations (For the Symposium only country papers will be invited)

<sup>1</sup> The topics under sub-themes of WIF2 and sub-questions under Questions 60 & 61 of 23<sup>rd</sup> ICID Congress have been tentatively approved by 65<sup>th</sup> IEC, subject to finalization by the International Technical Advisory Committee proposed to be established for this purpose.





## BY-LAWS (RELEVANT EXTRACTS)

### BY-LAW (1) – PREAMBLE

- 1.1 Enactment of By-laws:** These By-laws have been enacted by the International Executive Council for the due implementation of the provisions of the Constitution of the International Commission on Irrigation and Drainage. The words and expressions defined in the aforesaid Constitution will have the same meaning in these By-laws.
- 1.2 Changes of By-laws:** The Council shall have powers from time to time to add, repeal, amend or vary all or any of the By-laws as they shall think expedient or fit for the management of the affairs of the Commission, or implementation of the powers of the Council, under the Constitution. The By-laws shall not be inconsistent with the Constitution of the Commission.

### BY-LAW (2) – ELECTION OF OFFICE-BEARERS

#### 2.1 Office-Bearers Committee

2.1.1 All Office-bearers, Presidents Honoraire, Vice-Presidents Honoraire and Secretaries-General Honoraire, attending a Council meeting shall form themselves into an Office-Bearers Committee (OBC), chaired by the President.

2.1.2 The OBC will meet informally prior to the meeting of the International Executive Council and, after considering all nominations made in accordance with By-law (2), make recommendations to the Council for filling the vacancies in light of the considerations listed in By-law (2.7). After considering the Committees recommendations the Council shall vote to fill the vacancies.

- 2.2 Notification of Vacancies:** Seven (7) months before the date fixed for a Council meeting, the Secretary-General shall inform all National Committees of the vacancies in the office of the President and Vice-Presidents that will exist at the time of the meeting. This intimation may be accompanied with a statement showing, inter-alia, and names of the countries which have held these offices in the past.

#### 2.3 Nomination by National Committee

2.3.1 Should any National Committee so desire, it may submit its written nomination of a candidate from the same country for the post of President and Vice President (in a manner prescribed by the Council – **Annexure**) keeping in view the President or Vice President nominee should be conversant with the functioning of the Executive Council by way of having been an active member of any of the workbodies and having attended the workbody meetings / IEC meetings for at least 3 years. The complete nomination accompanied by a statement of substantiation giving particulars of experience and qualifications of the nominee together with the grounds for the recommendation for the pertinent position shall be received at the Central Office, at least four (4) months before the date of the Council meeting.

2.3.2 Nominations received shall be scrutinized by the President as the Returning Officer and the eligible candidates intimated 3 months before the meeting of the Council except nominations received under By-law 2.5. The eligible list of candidates shall be shown in the agenda of the Council meeting. In the case of postponement of a Council meeting, nominations received four (4) months in advance of the original date of the Council meeting only shall be considered. The National Committee submitting the nomination shall ensure that all arrears of subscription as required under By-law 13.1 shall clear the same before the last date of receipt of nomination in the ICID Central Office.

- 2.4 Nominee Statement:** With the nomination in the prescribed form the National Committee shall also furnish a written statement from its nominee as follows:

“My Government/Organization agrees to my nomination for the office of the President/Vice-President of ICID after taking into account the duties that the responsibilities of my candidature entail. If elected to the office, I will owe allegiance to the Constitution of the International Commission on Irrigation and Drainage and will, to the best of my ability, preserve, protect, defend and uphold this Constitution”.

- 2.5 Nomination by President:** The President may, in consultation with the Secretary-General, invite any National Committee to submit a nomination for the vacancy in the office of the President or of a Vice-President. Such nomination in writing with complete curriculum vitae and other particulars as-already prescribed in By-law 2.3.1 must be received in the Central Office at least one month prior to the effective date of the Council meeting at which it will be actually deliberated. In case of a postponed meeting it must be received at least one month prior to the actual date on which the Council meeting will be held.

- 2.6 Promotion / Canvassing by National Committees:** The National Committees belonging to the eligible candidates, if they so desire, may promote / canvas the candidature of the nominee for election of Office-Bearer.
- 2.7 Office-Bearers Recommendations:** All eligible nominations and the relevant curriculum vitae of such nominees shall also be made available to the Office-Bearers Committee on standardized forms for review and recommendations. The following shall, inter alia be the considerations to guide the Office-Bearers Committee in making its said recommendations to the Council for the election of the President and the Vice-Presidents:
- (a) Subject to administrative and constitutional requirements, it is desirable that the ten offices (of the President and the nine Vice-Presidents) shall be distributed as equitably as may be practical between different geographical regions and among as many participating countries as possible. Thus, no country should hold more than one office (President or Vice-President) at one time, and no geographical region should normally hold more than its due proportionate number of the total number of offices including the office of President.
  - (b) The period for which the country of the nominee has been a member of the Commission, and the extent of interest it's National Committee and/or its nominee has taken in the activities of the Commission. The nominee's activity both at the national and international levels besides the activities of the National Committee should be given prominence.
  - (c) The general or special needs of ICID of persons qualified for developing its activities and the qualifications of the nominee for meeting such requirements. The overall interests of the Commission (the service it can render to the international community in its field of activity) shall always reign supreme.
  - (d) The time and effort the nominee has given in the past to the general affairs and functions of the Commission along with the nominee's likely future availability, time and effort and the likely particular assigned tasks.
  - (e) The national and international status and level of responsibility of the nominee.
- 2.8 Seniority of Vice Presidents:** The relative seniority of three Vice-Presidents elected each year shall be determined by the number of votes obtained by each. If there is no voting or the votes obtained are equal, then the seniority shall be decided by a draw of lots.
- 2.9 Nomination of Secretary General:** The President, acting as Chairperson of the Management Board shall make a nomination to the office of Secretary-General, at the Office-Bearers meeting and to Council.

Annexure to Annex R4.1

**NOMINATION FOR PRESIDENT AND VICE PRESIDENTS**  
**Form and Statement**  
**(To be filled by the Nominee and the National Committee)**  
(As required under By-law 2.3.1)

**1. Country**

**2. Name of the Nominee**

Date of Birth & Age \_\_\_\_\_

(a) Qualification(s) \_\_\_\_\_

(b) Address \_\_\_\_\_

(c) E-mail \_\_\_\_\_

**3. Present Professional Position**

(a) Designation \_\_\_\_\_

(b) Name of the Institution \_\_\_\_\_

(c) Official Address \_\_\_\_\_

(d) Interest of the candidate in the  
activities of ICID \_\_\_\_\_

**4. Contributions to ICID Activities**

(a) Membership of the WBs \_\_\_\_\_

Name of WB(s) \_\_\_\_\_

Period \_\_\_\_\_

(b) Contribution to Publications \_\_\_\_\_

Name of Publication(s) \_\_\_\_\_

Role \_\_\_\_\_

(a) Participation in ICID Meetings \_\_\_\_\_

Meeting \_\_\_\_\_

Year \_\_\_\_\_

**5. Awards (if any)**

- (a) ICID Awards \_\_\_\_\_  
Name of the Award and Year \_\_\_\_\_
  
- (b) National Awards \_\_\_\_\_  
Name of the Award and Year \_\_\_\_\_
  
- (c) Other International Awards \_\_\_\_\_

**6. Career Summary**

Attach in an Annex [(a) Posts held, (b) Professional Association(s), (c) Publications]

**7. Statement**

*“My Government/Organization agrees to my nomination for the office of the President/Vice-President of ICID after taking into account the duties that the responsibilities of my candidature entail. If elected to the office, I will owe allegiance to the Constitution of the International Commission on Irrigation and Drainage and will, to the best of my ability, preserve, protect, defend and uphold this Constitution”.*

Signature of the Candidate

## WATSAVE SCHEME

### I. BACKGROUND

As a follow up to the 15<sup>th</sup> ICID Congress in Netherlands in 1993, a WatSave Work Team was formed, which mooted a proposal in 1997 to institute WatSave Awards with the objective of promoting and recognizing water conservation success amongst member countries. The proposal was approved in principle by PCTA as well as IEC and ICID instituted WatSave Awards in the year 1997. The Work Team prepared the conditions and criteria for the Awards and presented these to the Management Board for approval. These were subsequently revised in 2007 and 2010 by IEC. The WatSave Scheme is presented herein to consolidate all the decisions taken by the IEC based on the recommendations of WG-WATS, Jury Members, and PCTA from time to time. It also includes some of the recommendations made, but not followed up or approved subsequently by IECs of that year, which needs special consideration.

### II. SCOPE AND OBJECTIVE

The award(s) is/are presented to an individual or a team for an innovation that contributes to water conservation / water saving for increasing the beneficial and/or efficient use of water to develop and improve the sustainable use of the critical resource. The WatSave awards aim at:

- (a) Promoting and encouraging the best technological applications or projects which have been successful in saving and/or recovering waste waters/low quality waters.
- (b) Promoting other non-technological interventions and/or innovative land and water management/ techniques for increasing the availability of water for different uses.
- (c) Promoting research that leads to substantial savings in water applications or uses.
- (d) Promoting development of new policies/approaches for water saving leading to cost effective and beneficial use of water.

#### (a) Scope

The primary emphasis of WatSave Award is on the achievement itself. It is “an award for the achievement to the individual or team behind the achievement” in that order. The purpose and spirit behind ICID WatSave awards are as follows:

- (i) The awards are intended to relate to particular activities or related sets of activities and not to highlight the overall professional accomplishments of an individual or any particular group.
- (ii) The awards are not intended to acknowledge research studies, per se, but rather to recognize accomplishments in actually saving water.
- (iii) Savings can be on a pilot scale or over a larger area, but they must have been introduced in the field to farmers or managers and applied by them, rather than remaining purely hypothetical.

The WatSave Awards are given in four categories as under.

#### 1. Watsave Technology Award

This award is given for work promoting and encouraging the best technological applications or projects which have been successful in saving water and/or recovering waste waters/low quality waters.

#### 2. Watsave Innovative Water Management Award

This award is given for innovation promoting non-technological interventions and/or innovative land and water management/techniques for increasing the availability of water for different uses; Promoting research that leads to substantial savings in water applications or uses; or Promoting development of new policies/approaches for water saving leading to cost effective and beneficial use of water.

#### 3. Watsave Young Professional Award

This award is given for water saving/ conservation work by young professionals (less than 40 years).

#### 4. WatSave Farmers' Award

This award is given to farmers for proven water saving success story to promote successful water conservation.

**(b) The Award**

Each of the awards consists of an honorarium of US\$ 2000 and a Citation. In the event of the award being made to a team, the amount shall be made to the nominated leader of the team that will be shared equally by all contributors. The Citation Plaque should bear the name of ICID as the promoter.

**(c) Dissemination of the awarded works**

Based on the awarded works, ICID compiles and disseminates information on water saving/ conservation practices adopted by member countries world over through publications, website and organizing regional workshops. The developers of the innovation in terms of technology or management techniques will have to give an undertaking that they would provide full intellectual support to the Central Office in disseminating the achievement.

**III. PROCEDURE****(a) Application**

Nominations must comply with these rules:

- (i) Nominations for the Awards are open to all professionals/ teams from ICID member countries/associate member countries as well as non-member countries, but the nomination must be made and validated by a member National Committee/ Committee/ Direct Institutional Member of ICID.
- (ii) A completed Nomination Form (See **Annexure**)
- (iii) A type-written discussion of about 1500 words in English or French summarizing nominee's work related to water saving/conservation.
- (iv) A brief curriculum vitae (CV) of the nominee(s)
- (v) Recent photograph(s) of the nominee(s).
- (vi) Entries should be sent electronically to the Secretary General, ICID so as to reach Central Office, New Delhi, by the Last Date of Receipt of Nominations at ICID Central Office announced by the Secretary General.

The idea of routing the nominations through the NC is to receive only one nomination per category per country after an initial scanning of the nominations for a sequential ordering based on merit and recommending only one. ICID member country can support one nomination from a non-member country but every country should present only one candidate per category.

National Committee can nominate newly developed work of previous WatSave Award winners provided it is for a different innovation, as the purpose of the award is to identify successful water saving technologies and management techniques in practice among the ICID family and disseminate them across the world. A nominated innovation once rejected for the WatSave award by ICID should not be re-nominated, even under a different category.

Please note that any nomination papers, as listed in above, if received after the Last Date will not be considered and forwarded to the Panel of Judges. All the papers related to nomination received on or before the due date will be acknowledged within a week by the Central Office by e-mail/fax. In case of non-receipt of the acknowledgement, the concerned National Committee/ Committee should contact the Central Office immediately.

**(b) Jury**

The nominations should be reviewed by a panel of 5 judges -- one each from the four regions of ICID (The Americas, Africa, Asia -Oceania and Europe) and fifth from any region but there shall not be two judges from the same country. The Chair of PoJ shall submit his report to the President of ICID giving reasons for selecting particular innovation for the award along with suggestions for improvement in the Scheme and its implementation or the way to disseminate it. A judge shall not evaluate a nomination from his or her own country. The panel will be appointed by President, ICID in consultation with the Chairman of the Working Group on Water Saving for Agriculture (WG-WATS).

The decision of the President ICID as arrived at through the process described herein will be final and binding. No discussion or correspondence relating to the award will be entered into.

**(a) The time schedule**

Following time schedule for receipt of applications and announcement of the WatSave Awards will be adhered to as far as possible:

- Last date for receipt of nominations - 120 days prior to the IEC date
- Review by the Panel of Judges - Within 60 days from the Last Date
- Declaration/Announcement of the Award - 45 days prior to IEC date.

**(b) Evaluation Criterion****(1) Technology and Management Awards**

- (i) Has the innovation made an outstanding contribution to water conservation and increased the beneficial use of water and/or freed water for other uses?
- (ii) Have the quantities of water saved been quantified and documented in the submission?
- (iii) Is there a reasonable expectation that the innovation will be sustainably practiced?
- (iv) Has the input and responsibility of each involved individual been delineated in the submission?

**(2) Young Professional Award**

- (i) Does the innovation promise to make an outstanding contribution to water conservation and increased the beneficial use of water and/or freed water for other uses?
- (ii) Has the innovation been pilot tested in the field and the potential water savings estimated and documented in the submission?
- (iii) Is there a reasonable expectation that the innovation can be sustainably practiced?
- (iv) Has the input and responsibility of each involved individual been delineated in the submission?

**(3) Farmer Award**

- (i) Is the innovation easily adoptable by other farmers in the region?
- (ii) Has the innovation made an outstanding contribution to water conservation and increased the beneficial use of water and/or freed water for other uses?
- (iii) Is there a reasonable expectation that the innovation will be sustainably practiced?

The Jury is empowered to shift a nomination from the category under which it is submitted to another category if such a shift is appropriate and beneficial and essentially warranted.

**(c) Authentication by the National Committee**

In order for the Jury to adjudicate the awards, which are highly dependent on the actual application of the technology in the field, the nominating National Committee/Committee has to play a crucial role since members of the Jury will often not have detailed first-hand knowledge of the situation in a particular country, and thus would not be in a position to judge the realism of individual submissions.

National Committees should establish a broad based WatSave Awards National Screening Committee for screening the nominations at the national level against criteria laid down for each category of Award for which the nominations are proposed to be submitted to the Central Office and ascertain its eligibility. The Screening Committee should authenticate the innovation and its implementation and ensure that it is an original work carried out by the authors.

**(d) Financial**

The host National Committee of IEC meeting of each year shall sponsor the Awards presented for that year.

Central Office shall make adequate provisions in the annual budget as appropriate to disseminate the works awarded.

**(e) Contact**

The ICID Central Office may be contacted for further information on the WatSave Awards,

The Secretary General  
International Commission on Irrigation & Drainage (ICID)  
48 Nyaya Marg, Chanakyapuri  
New Delhi 110021  
Tel: +91-11-26116837, 2611 5679, 2467 9532, Fax: +91-11-26115962  
E-mail: [icid@icid.org](mailto:icid@icid.org), Website: [www.icid.org](http://www.icid.org)







## Annexure to Annex R5.1

## WATSAVE AWARDS

Nomination Form<sup>1</sup>

## 1. Information on Innovation

Innovations / Title (max. 10 words)			
First introduced: (Year)			
Area covered: Ha	Water saved: MCM/ BCM <sup>2</sup>		
Award category (Please check one)	Technology <input type="checkbox"/>	Management <input type="checkbox"/>	
	Young Professional <sup>3</sup> <input type="checkbox"/>	Farmer <input type="checkbox"/>	

2. Nominee Information<sup>4</sup>

Nominee (1)			
Position			
Organization			
Postal Address			
Telephone		Fax	
Email		Date of birth	
Citizen of		Mobile	

Nominee (2)			
Position			
Organization			
Postal Address			
Telephone		Fax	
Email		Date of birth	
Citizen of		Mobile	

## 3. Nominee Statement of about 1500 Words (in the following format)

- (a) Describe the innovation (essential)
- (b) Describe how the innovation saves water (essential)
- (c) Describe how the innovation was introduced and spread (for Young Professional award, describe how the innovation will be introduced and spread).(essential)
- (d) Describe the scope for further expansion of the innovation (essential)
- (e) Describe the roles of the individual nominees (optional)

<sup>1</sup> One nomination per National Committee for each award category

<sup>2</sup> MCM = Million Cubic Meters; BCM = Billion Cubic Meters

<sup>3</sup> Young Professional award does not require wide-spread implementation, but must have been pilot tested in the field.

<sup>4</sup> Please add additional names and addresses as required.

**(Note)** The Nominee Statement forms the central piece of the nomination and shall be filled in very carefully and is essential for adjudication and further dissemination. The nomination shall be rejected if this statement is not self-explanatory.)

**4. Documents Attached**

- (a) Nomination Form
- (b) Nominee Statement in English/ French (*Sr. No.3*)
- (c) Curriculum Vitae of the Nominee(s)
- (d) Recent Digital Photograph of the Nominee(s) (*in high resolution*)
- (e) Documents/Reports/Technical Papers/Articles technically describing the innovation (*At least -3 technical documents supporting the Nominee Statement in electronic format*)

**5. Authentication<sup>5</sup>**

It is hereby certified that the research/application cited in the nominated work is an original work carried out by the authors to the best of knowledge and belief of the National Committee/Committee/Direct Member and hence the nominated work may be considered for the Award under the category of the WatSave Awards for which it is submitted.

- (a) Name of the National Committee -----
- (b) Name of the person -----
- (c) Position -----
- (d) Address -----  
-----  
-----
- Tel \_\_\_\_\_ Fax \_\_\_\_\_
- E-mail \_\_\_\_\_
- (e) Signature (with Official seal) -----

Date -----

Place -----

National Committees / Committee should forward **electronically** the nomination form(s), complete in all respects to The Secretary General, International Commission on Irrigation and Drainage (ICID), 48, Nyaya Marg, Chanakyapuri, New Delhi, India; E-mail: [icid@icid.org](mailto:icid@icid.org); Tel +91-11-26116837 / +91-11-26115679, <http://www.icid.org>

<sup>5</sup> National Committee must check the originality of the nomination/ submission and should make sure that it has not been submitted earlier/ elsewhere

## BEST PERFORMING NATIONAL COMMITTEE AWARD (BPNCA) SCHEME

### I. BACKGROUND

The 52<sup>nd</sup> International Executive Council (IEC) of ICID held on 21<sup>st</sup> September 2001 at Seoul, Korea approved the institution of an "ICID Award for the Best Performing National Committee" to be presented triennially at every ICID Congress starting from the 18<sup>th</sup> ICID Congress to be held at Montreal in July 2002.

### II. SCOPE AND OBJECTIVE

The objective of institution of Best Performing National Committee Award (BPNCA) is to recognize NC's contribution to ICID's objectives. Within the limits of their capacity and constraints which are considerable, the NCs' contributions are important and valuable.

#### (a) Scope

The NCs who perform exceedingly well need to be encouraged to enable them to continue their peak level of performance, while the others who are not able to perform so well due to one reason or the other, need to be motivated to strive and attain excellence in performance, shoulder to shoulder with better performing NCs. Constraints, if identified in time, will enable NCs to overcome their inhibiting influence in attainment of desired level of contribution to ICID's identified activities, in addition to such national activities as are in line with ICID's mission statement. A healthy competition and timely recognition of excellence are bound to provide them an incentive and an opportunity for introspection, for defining the constraints and targeted removal of weakness, if any

#### (b) The Award

The Award consists of a Trophy and a Citation Plaque.

#### (c) Dissemination of the awarded works

The Jury may identify the works/publications cited in the nomination form credited to/brought out by the winner National Committee/Committee that may be disseminated among ICID fraternity as part of Knowledge Dissemination, one of the means for fulfilling ICID's mission, through ICID website, and periodicals brought out from time to time.

### III. PROCEDURE

#### (a) Application

Nominations must comply with these rules

- (i) Nominations for the Awards are open to the member National Committees/ Committee of ICID. A National Committee which has received the award for their performance in the past shall be eligible to apply again only after 10 years after the date of receipt of the last award.
- (ii) A completed Nomination Form (see Annexure)
- (iii) Entries should be sent electronically to the Secretary General, ICID so as to reach Central Office, New Delhi, on the Last Date announced by the Secretary General.

#### (b) The time schedule

Following time schedule for receipt of applications and announcement of the BPNCA will be adhered to as far as possible

- Last date for receipt of nominations - 120 days prior to Congress date
- Review by the Panel of Judges - Within 60 days from the Last Date
- Declaration/Announcement of the Award - 45 days prior to IEC date.

#### (c) Jury

The Jury should consist of a Panel of Judges for BPNCA, comprising of the members holding the following positions in ICID

Immediate Past President	-	Chairman
Three Senior Most Vice Presidents	-	Members
President, ICID	-	Resource Person
Secretary General, ICID	-	Resource Person

The PoJs shall communicate with each other by e-mail, evaluate the nominations, and submit its report to the President by the set date for evaluation or in advance.

The decision of the President as arrived at through the above process will be final and binding. No discussion or correspondence relating to the award will be entered into.

**(d) Evaluation Criterion**

The main criteria for evaluation of the performance of the nominated 'National Committee' is its performance during the 3-year period between last Congress and till the date of submission of the nomination, prior to the forthcoming Congress. Various factors/facets for rating of excellence in performance of a National Committee are listed below.

- (1) Broadbasing of National Committee
  - (a) Type of institutions covered, e.g., government, research, WUA, University etc.
  - (b) Disciplines represented, e.g. irrigation, drainage, civil engineering, agriculture, sociology, economics etc.
  - (c) No. of members associated
  - (d) Services provided to members
  - (e) Representation of Young Professionals + Women in National Committees/Workbodies of ICID
  - (f) Constitution/By-laws formulation, formal registration
- (2) Technical events organized under the NC banner
  - (a) Training courses.
  - (b) Multilateral, Bilateral cooperation with other countries
  - (c) Conferences, workshops, seminars organized
  - (d) Regional Cooperation
  - (e) Contribution of NC to national policy, strategy or action
  - (f) Fund raising for the NC
- (3) Publications brought out/translations in local languages/periodicals/newsletters Published (please submit if not already sent to Central Office)
- (4) Participation in and/or hosting IECs, Congresses, Regional Conferences, Drainage Workshops and other international events of ICID's interest, including hosting them.
- (5) Contribution to ICID organizational work as member of WG, or as Office-Bearers, Panel Expert etc. and contribution to technical activities of workbodies/ICID by way of collecting information and responding to questionnaires of workbodies and those sent by Central Office.
- (6) Papers submitted for Congresses, Regional Conferences, ICID Journal
- (7) ICID Membership subscription – prompt and up-to-date payment.
- (8) Contribution to ICID's financial resources for its various activities by way of -
  - (a) Grants/support/awards.
  - (b) Advertisement on ICID website.
  - (c) Promotion of sale of ICID publications.

**(e) Financial**

Central Office shall make adequate provisions in the annual budget as appropriate to arrange for the award, like preparation of the Trophy and Citation Plaque.

**(f) Contact**

ICID Central Office may be contacted for further information on BPNCA,

The Secretary General  
 International Commission on Irrigation & Drainage (ICID)  
 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, INDIA  
 Tel +91-11-26116837, +91-11-26115679, 2467 9532, Fax +91-11-26115962  
 E-mail [icid@icid.org](mailto:icid@icid.org), Website [www.icid.org](http://www.icid.org)



Annexure to Annex R5.2

**BEST PERFORMING NATIONAL COMMITTEE AWARD (BPNCA)**

Congress \_\_\_\_\_ Period \_\_\_\_\_

**NOMINATION FORM**

Main factor		Brief description	Remarks		
<b>I. Broad basing of National Committee</b>					
			Numbers	M	R
1.1	Types of institutions as members (M) / represented (R)	1. Government Agencies			
		2. Educational/R&			
		3. Institutions			
		4. Consultants/Suppliers			
		5. Others (please specify)			
			Numbers	M	A
1.2	Disciplines represented by members (M) or associates (A)	1. Irrigation			
		2. Drainage			
		3. Civil engineering			
		4. Agriculture			
		5. Soil and water			
		6. Conservation			
		7. Hydrology			
		8. Sociology			
		9. Economics			
		10. Agricultural extension			
		11. Environment			
		12. River engineering			
		13. Horticulture			
		14. Others (please specify)			

## Annexure to Annex R5.2 (contd.)

			Numbers		Please attach details
1.3	Membership by Type	1. Institutional members			
		2. Individual members			
		3. Associate members			
		4. Student members			
1.4	Services provided to members				Please attach brief description
			Numbers		Please provide brief details
1.5	Representation of young professionals/women in NC/workbodies of ICID	1. Young professionals			
		- On NC			
		- Workbodies of ICID			
		2. Women			
		- On NC			
		- Workbodies of ICID			
			Yes	No	Please provide details
			(Please check)		
1.6	Legal aspects	1. Formally registered			
		2. Constitution available			
		3. Formation of constitution is in process			
		4. By-laws available			
		5. By-laws formation in Process			

II. Technical events organized between _____ (Year)					
			Numbers		
2.1	National Activities	1. Training courses held			Please attach a list
		2. National conferences/ workshops/seminars held			Please attach a list
			Yes	No	
			(Please check)		
		3. Contribution of NC to national policy, strategy or action			Please provide a brief details
	Yes	No			
	(Please check)				
2.2	Regional/International Activities	1. Bilateral/Multilateral cooperation			Please attach a list
		2. Regional seminars/ workshops/ conferences held			Please attach a list
		3. International conferences/ workshops/ seminars held			Please attach a list
2.3	Financial Strength of NC	Strong			
		Moderate			
		Weak			

**Annexure to Annex R5.2 (contd.)**

<b>III. Publications and Communications</b>				
			Numbers	Please provide list of publications
3.1	Publications	1. Technical publications		
		2. Translation in local languages		
		3. Newsletters		
		4. Any other publications, please specify		
3.2	ICT Enabled Services	1. Dynamic Website		
		2. ICT Enabled Services		

<b>IV. Participation and/or hosting</b>				
			(Numbers hosted)	(Numbers participated)
		1. IECs		
		2. Congresses /WIF		
		3. Regional conferences		
		4. International drainage workshop		
		5. International Micro Irrigation Symposium		
		6. Recipient of ICID WatSave or other Awards		

<b>V. Contribution to ICID's Organizational work as member of workbodies(WB), or as Office – Bearers(OB), Panel Expert etc. and contribution to technical activities of ICID workbodies by way of collecting information and responding to questionnaires of workbodies and those sent by Central Office</b>				
			Numbers	Please attach a list
5.1	Representation of WB, OB, Panel of experts	1. As ICID Office Bearers (OB)		
		2. As Members on ICID workbodies (WB)		
		3. As Panel of experts in ICID Congresses/WIF		
			Numbers	Please attach a list
5.2	Major contribution to workbodies	1. Providing Expertize as Chairman		
		2. Contributed to the Outputs of WBs (Papers or Case Studies)		
		3. Presentations made in the internal workshops		

**Annexure to Annex R5.2 (contd.)**

<b>VI. Papers submitted for Congresses, World Irrigation Forums, Regional Conferences, ICID Journal ( _____ ) Year</b>			
		Numbers	Please attach a list
6.1	Papers published in the ____ ICID Congress/WIF		
6.2	Papers published in ____ ICID Workshops/Regional Conferences		
6.3	Papers published in _____ International Conference/ Congress		
6.4	Papers published in the proceedings of the ICID sponsored international events		
6.5	Papers published in ICID Journal		
6.6	News items contributed to ICID Newsletters/ News Updates/Annual Report		

<b>VII. ICID membership subscription – prompt and up to date payment</b>			
		Yes	No
		(Please check)	
7.1	Membership subscription paid	Year ____	
		Year ____	
		Year ____	

<b>VIII. Contribution to ICID’s financial resource for its various activities by way of</b>					
			Yes	No	Please provide brief details
			(Please check)		
8.1	Grants/support/awards				
8.2	Advertisements on ICID website				
8.3	Promotion of sale of ICID publications				
8.4	Other (please specify)				

<b>IX. General Quality of Submission of the Nomination</b>				
			Yes	No
			(Please check)	
9.1	Outstanding			
9.2	Excellent			
9.3	Good			
9.4	Poor			
9.5	Very Poor			



**Annexure to Annex R5.2 (contd.)**

**X. Authentication**

It is hereby certified that the information given above is true to the best of our knowledge and belief and accordingly submitted for consideration of the Best Performing National Committee Award.

(a) Name of the National Committee -----

(b) Name of the person -----

(c) Position -----

(d) Address -----

Tel \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

(e) Signature (with Official seal) -----

Date -----

Place -----

National Committees / Committee should forward **electronically** the Entry form complete in all respects to

The Secretary General  
 International Commission on Irrigation and Drainage (ICID)  
 48, Nyaya Marg, Chanakyapuri, New Delhi, India  
 E-mail: [icid@icid.org](mailto:icid@icid.org); Tel +91 11 2611 6837 / +91-11-2611 5679  
[www http://www.icid.org](http://www.icid.org)





## BEST PERFORMING WORK BODY AWARD (BPWA) SCHEME

### I. BACKGROUND

On the recommendation of PCSPO and PCTA to IEC about the instituting of Award for 'Best Performing Workbody', 54th IEC in Montpellier, France approved the setting up of a Best Performing Workbody Award (BPWA) and its criteria to be awarded on 19 September 2003. This award will be presented at every Congress based on the various facets demonstrated by the Workbodies in between two Congresses. At the 55<sup>th</sup> IEC meeting held in Moscow, Russia on 11 September 2004, the composition the Panel of Judges (PoJ) for BPWA was approved.

### II. SCOPE AND OBJECTIVE

The objective of institution of **Best Performing Workbody Award (BPWA)** was to acknowledge the contributions of the well-performing workbodies that are not adequately recognized. It was felt that a proper appreciation would generate a multiplier effect. The workbodies which perform well, need to be encouraged further to enable them to continue their peak level of performance, while others which are not able to perform so well due to one reason or the other, need to be motivated to strive and attain excellence in performance, shoulder to shoulder with better performing Workbodies. A healthy competition and timely recognition of excellence, would provide incentive and an opportunity for introspection, for defining the constraints and to target removal of weaknesses, if any.

#### (a) The Award

The Award consists of:

- Citation / Certificate / Plaque to each member of the Workbody (as per the latest membership composition) and publicizing the Award winning WG through a webpage on the ICID website.
- Free publications of decided value to each member of the WG.

#### (b) Dissemination of the awarded works

The Jury may identify the works/publications cited in the nomination form credited to/brought out by the winner Workbody that may be disseminated among ICID fraternity as part of Knowledge Dissemination, one of the means for fulfilling ICID's mission, through ICID website, and periodicals brought out from time to time.

### III. PROCEDURE

#### (a) Application

Nominations for the Award are invited from the Chairpersons of the Workbodies for the work carried out by their workbody during the period between the immediate past Congress and the forthcoming Congress.

The Secretary General can also invite the Chairpersons of the Workbodies identified by one of the Office Bearers in writing (e-mail) to submit nominations, provided the same is received by the Secretary General within 15 days of the call for nominations.

Nominations shall comply with the following rules:

- (i) Workbodies which have received the award for their performance in the past shall be eligible to apply again only after 10 years from the date of receipt of last award.
- (ii) A completed Nomination Form listing the information under factors (see Annexure) shall be submitted by the Chair of the concerned Workbody.
- (iii) Name of all the members(s) of the workbody contributing at least for the last three years to the activities of the workbody.
- (iv) Entries should be sent electronically to the Secretary General, ICID so as to reach Central Office, New Delhi, on or before the Last Date announced by the Secretary General.

#### (b) The time schedule

Following time schedule for receipt of applications and announcement of the BPWA should be adhered to as far as possible:

- |   |                                     |
|---|-------------------------------------|
| • Last date for receipt of nominations  | - 120 days prior to Congress date   |
| • Review by the Panel of Judges         | - Within 60 days from the Last Date |
| • Declaration/Announcement of the Award | - 45 days prior to IEC date.        |

**(c) Jury**

The nominations shall be adjudicated by the Panel of Judges comprising of the members holding the following positions in ICID:

- |                                   |                    |
|-----------------------------------|--------------------|
| 1. President, ICID                | - Chairman         |
| 2. Immediate Past President, ICID | - Member           |
| 3. PCTA Chair                     | - Member           |
| 4. PCSO Chair                     | - Member           |
| 5. Secretary General              | - Member-Secretary |

The PoJs will communicate with each other by e-mail, evaluate the nominations, and provide the result by the specified date for evaluation or in advance for preparing Citation Plaques, and for other formalities.

The decision of the PoJs as arrived at through the above process will be final and binding. No discussion or correspondence relating to the award will be entered into.

**(d) Evaluation Criterion**

The criteria for evaluation of the nominations received for BPWA is based on the various facets demonstrated by the workbodies in between two Congresses, i.e. from the last Congress to the date of submission of the nomination, as per the following factors prescribed and evolved over the years since its inception:

1. Proportion of members on the Workbody from industrialized and developing countries.
2. Membership of Young Professionals and Women in the Workbody.
3. Technical publications brought out by Workbody
  - (a) Between two Congress years
  - (b) From the year of Congress Up to the date of nomination
4. Number of publications with titles, under preparation by Workbody.
5. Timely achievements of targets set out by the Workbody in its rolling plans.
6. Newsletter/Website of the workbody, if any, and services offered through it.
7. Attendance of members at meetings and/or their contribution to activities of the IEC Workbody.
8. Workshops/Special Sessions organized/sponsored by Workbody at IEC meetings/ICID Congress.
9. Workbody contributions to new initiatives of ICID.
10. Participation/contribution of Workbody members in other International Programs.
11. Papers submitted by Workbody members to ICID Conferences/ICID Journal/other Journals.

**(e) Financial**

Central Office shall make adequate provisions in ICID annual budget as appropriate to arrange for the award, like preparation of the citation plaques, certificates and decided value of publications to each member of the winning workbody.

**(f) Contact**

ICID Central Office may be contacted for further information on BPWA,

The Secretary General  
 International Commission on Irrigation & Drainage (ICID)  
 48 Nyaya Marg, Chanakyapuri  
 New Delhi 110021  
 Tel: +91-11-26116837, +91-11-26115679, +91-11-24679532, Fax: +91-11-26115962  
 E-mail: [icid@icid.org](mailto:icid@icid.org), Website: [www.icid.org](http://www.icid.org)



Annexure to Annex R5.3

**BEST PERFORMING WORKBODY AWARD (BPWA)**

(Information to be supplied, with Supporting Material)

1. Proportion of members on the Workbody from industrialized and developing countries.
2. Membership of Young Professionals and Women in the Workbody.
3. Technical publications brought out by the Workbody
  - (a) Between \_\_\_\_\_
  - (b) From \_\_\_\_\_ up to the date of nomination
4. Number of publications with titles, under preparation by the Workbody.
5. Timely achievements of targets set out by the Workbody in its rolling plans.
6. Newsletter/Website of the Workbody, if any, and services offered through it.
7. Attendance of members at meetings and/or their contribution to activities of the IEC Workbody.
8. Workshops/Special Sessions organized/sponsored by the Workbody at IEC meetings/ICID Congress.
9. Workbody contributions to new initiatives of ICID.
10. Participation/contribution of the Workbody members in other International Programs.
11. Papers submitted by the Workbody members to ICID Conferences/ICID Journal/other Journals.





## ICID'S "WORLD IRRIGATION AND DRAINAGE PRIZE"

### PROCEDURE, CONDITIONS AND CRITERION

#### 1. Objective and Scope

- 1.1 With the objective to promote sustainable irrigation and enhanced agriculture production to achieve food security around the world ICID has instituted the **World Irrigation and Drainage Prize** (WID Prize) and recognize the contributions made by an individual or an institution in the field of Irrigation and Drainage that have far reaching and wide impacts.
- 1.2 WID Prize is intended to recognize the work of dedicated professionals and institutions who have actively contributed to the development of Irrigation and Drainage during the past 15 years ensuring increased agricultural production at national, regional and international level. The award will be conferred upon an individual, a group of individuals or an institution without any discrimination whatsoever on the grounds of nationality, religion, race, gender, age or political belief.

#### 2. Amount and Periodicity of the Prize

- 2.1 The Prize which includes a cash award of US \$10,000 and a 'Citation Plaque' citing the meritorious achievements of the winner shall be awarded every three years during the triennial World Irrigation Forum starting from 2013. The Prize amount may be shared in exceptional circumstances between more than one winner, each of whom is considered to merit the Prize, and divided equally.
- 2.2 The Prize consisting of a sum of US \$10,000 and all expenses related thereto shall be funded by ICID from the contributions received from the Sponsors into a Trust Fund. The Sponsors may include National Committees of ICID, Direct Members, International Organisations, Research Institutions, Industries and the country hosting the WIF. The operation of this fund, deposited in a special interest bearing account, shall be in conformity with the prevailing Financial Regulations. The interest on the sum deposited in the special account shall be utilized for all expenses related to the Prize in subsequent years.
- 2.3 The staff support and operating / management costs of the Prize, including all costs related to the meeting of the international jury, creation of trophies, award ceremony and public information activities shall be fully covered from the Trust Fund for the Prize. To this end, the Secretary-General of ICID will determine a mandatory overhead cost amount to be applied and charged against the funds in the special account.

#### 3. Qualifications of candidates

- 3.1 Candidates nominated for this prize shall have made exceptionally significant contribution through innovations in the field of irrigation and drainage to the promotion of irrigation and drainage by way of (a) research, (b) management, (c) technical services, (d) advocacy, (e) operationalization of innovations and (f) sensitization of decision makers and public; resulting in increased agriculture production, at national, regional and / or international level fulfilling the following criteria.
- (a) The significant contribution must be shown to have resulted in a demonstrable improvement in the availability of agricultural water in a large area for large number of farmers, thereby increasing food production.
  - (b) The impact of the achievement must be measurable and quantifiable - demonstrated either in terms of (a) increased area under irrigation and drainage; (b) increased productivity; (c) increased efficiency in use of irrigation water; and or (d) enhanced net income; thereby improving food security and/or agricultural water security.
  - (c) It must be clearly shown that this increase was the direct result of the specific actions, activities and work of the nominee (i.e., without his or her specific accomplishment, change would not have occurred).
  - (d) The area affected and the extent of the change the farmers / rural population experienced in terms of quality of life and economic condition of the people of that region will be a major factor in evaluating the relative significance of the work.
  - (e) In weighing the merits of the work, consideration may be given to attaining a balance among all segments of the irrigated agricultural production.
  - (f) Weightage shall also be given to the complexity of the problem tackled, multi-disciplinary approaches adopted, and inter-institutional cooperation affected in achieving success.
  - (g) Consideration will also be given to the degree of ingenuity and determination involved in attaining this change or advancement.
  - (h) The prize is intended to be awarded to one person or one institution. In exceptional circumstances where an individual person (or persons) has collaborated in an indispensable way, more than one person may be included in the nomination.

#### 4. Nomination of candidates

- 4.1 The Secretary-General of ICID shall officially invite the submission of nominations in the prescribed format **(Annexure)** and take all necessary steps to provide wide publicity to the WID Prize through all possible means to encourage an increased number of nominations.
- 4.2 The nominations shall be called from:
- a. National Committees of ICID,
  - b. Governments of ICID Member countries,
  - c. International organizations, and
  - d. Non-governmental organizations/institution maintaining formal consultative relations with ICID, especially those concerned with Irrigation and Drainage.
- 4.3 A self-nomination shall not be considered. The closing date of receipt of nominations, as fixed by the Secretary General in the given year, shall be about five months before the forthcoming WIF.
- 4.4 Nominations shall be submitted in English or in French, to the Secretary-General along with all supporting documents in electronic form and in hard copy, duly signed under intimation to the National Committees or International Organizations, where they exist, or the Government of the country where the nominee has implemented its work proposed to be considered for the Prize.
- 4.5 The Central Office of ICID shall act as the Secretariat for the Jury and be authorized to bring to the Jury's attention any nominations failing to meet all the criteria set forth herein above. Proposals received for the award of the Prize shall be treated confidentially and may not be divulged.

#### 5. Adjudication of the prize

- 5.1 The Jury shall consist of five eminent persons of different nationalities and gender, appointed by the President of ICID for a period of three years. Members of the Jury should have wide knowledge of current irrigation and drainage practices. Jurors involved in a real or potential conflict of interest shall recuse themselves from further deliberations or be asked by the President of ICID to do so. The President of ICID may replace members of the Jury for reason.
- 5.2 Members of Jury shall work on a voluntary basis and receive no remuneration for their work, but will receive allowances for travel and accommodation, where required. A quorum of three jurors present will be required for jury deliberations to proceed. The working languages for deliberations by the Jury shall be English and French.
- 5.3 The Jury shall conduct its business and deliberations in conformity with these Statutes and shall be assisted in the performance of its task by the Secretariat of the Central Office in New Delhi. Decisions shall be taken by consensus to the extent possible and otherwise by secret ballot until a simple majority is obtained. A member shall not take part in a vote concerning a nomination from his or her country.
- 5.4 The Jury shall meet at least once after the closing date for the submission of nominations, to make its recommendations to the President of ICID for the selection of that year's prize winner and an alternate. The Jury shall send an assessment on nominations and accompanying recommendations to the President of ICID no later than at least 75 days before the scheduled award ceremony at the WIF.

#### 6. Procedure for award of the Prize

- 6.1 For each edition of the Prize, the exact date and place of the award ceremony will be decided by the Secretary-General in consultation with the President of ICID. ICID shall officially announce the name/names of the prize winner/prize winners at least two months before the date of award giving ceremony. The Prize should be awarded by the President of ICID at an official ceremony to be held for that purpose in the presence of the participants of the World Irrigation Forum.
- 6.2 The Selection Committee after reviewing the nominations recommends the winner and the first alternate; it deems most worthy for the award. If the Selection Committee observes that this accomplishment was simultaneously attained by two or more individuals working separately, the Selection Committee may recommend that the prize be shared and jointly awarded
- 6.3 Names of the members of the Jury will remain anonymous except for the Chairman. The minutes of the Committee's meeting and the views expressed by its members will not be made public. The decision of the Jury and the President shall be final and no appeals shall be allowed against the decision with regard to the award of the Prize.



- 6.4 The prize winner(s) would be encouraged to give an acceptance speech/lecture on the subject relevant to the work for which the Prize has been awarded. Such a lecture shall be organized during the Prize giving ceremony.
- 6.5 The nominee for the Prize should be alive and in sound health to attend the award giving ceremony. If, however, a prize winner dies before he has received the Prize, then the Prize may be presented posthumously (awarded to relatives or institution). Should a prize winner decline the Prize, the Jury shall submit a new proposal to the President of ICID.
- 7. Sunset clause**
- 7.1 After a period of six years, the President of ICID together with the Secretary General undertake a review of all aspects of the Prize and decide about its continuation or termination by presenting an Agenda Item on the subject at the following IEC meeting. In case of termination of the Prize, the use of any unspent balance of funds shall be determined by the IEC, in accordance with the Financial Regulations.





## Annexure to Annex R6.1

## ICID'S "WORLD IRRIGATION AND DRAINAGE PRIZE"

## FORMAT FOR NOMINATION

**1. Nominating Organisation**

- (a) Name(s) of person(s) submitting nomination : \_\_\_\_\_
- (b) Name of Nominating Organisation : \_\_\_\_\_
- (c) Mailing Address : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (d) Telephone number : \_\_\_\_\_
- (e) E-mail address : \_\_\_\_\_

**2. Nominee's detail**

- (a) Nominee's name : \_\_\_\_\_
- (b) Current position : \_\_\_\_\_
- (c) Mailing address : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- (d) E –mail address : \_\_\_\_\_
- (e) Telephone number : \_\_\_\_\_

**3. Bio graphical information**

- (a) Date and Place of birth : \_\_\_\_\_
- (b) Education : \_\_\_\_\_
- (c) A resume or CV detailing the nominee's position held, professional affiliations, honours and awards received (as Annexure).
- (d) Photograph of the nominee (2 copies).

**4. Synopsis**

*[Provide synopsis of nominee's achievement in 150 words or less].*

**5. Statement of achievement**

*[In not more than 1000 words, describing the work of the nominee, its impact in terms of numbers of people benefitted, geographical boundaries of the impact and measure of per capita increase in income of the people benefitted].*

**6. Seconding Nominations**

*[Letters seconding the nomination from at least two individuals who are familiar with the nominee's work but not directly associated with the nominating organisation must be provided. Seconding letters should ideally provide additional or supplemental information regarding the nominee's achievement as well as its impact on the people].*

**7. Supplementary Documents**

*[Provide a List of the Documents attached that support the nomination, including but not limited to articles describing the nominee's work, achievement, impact and evaluation of the work, and publications by the Nominee or about the work that directly relate to the nomination should be provided All attached documents should be submitted in Microsoft word & pdf format].*





## **ANNEXES TO 65<sup>TH</sup> IEC MINUTES**



List of participants at the  
**65<sup>TH</sup> INTERNATIONAL EXECUTIVE COUNCIL (IEC) MEETING**  
**20 September 2014, Gwangju, South Korea**

**(A) OFFICE BEARERS****President**

1. Dr. Gao Zhanyi (China)

**Vice Presidents**

2. Prof. Tai Cheol, Kim (South Korea)
3. Engr. Adama Sangare (Mali)
4. Dr. Gerhard Backeberg (South Africa)
5. Engr. Laurie C. Tollefson (Canada)
6. Dr. Hüseyin GÜNDÖĞDU (Turkey)
7. Mr. François Brelle (France)
8. Dr. Ir. Basuki Hadimoeljono (Indonesia)
9. Mr. Kadhim Mohsin Ahmed (Iraq)
10. Er. A.B. Pandya (India)

**Secretary General**

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

**(B) CHAIRPERSONS OF PERMANENT COMMITTEES**

1. Vice President Hon. Dr. Saeed Nairizi, PFC (Iran)
2. Vice President Hon. Mr. Felix B. Reinders, PCTA (South Africa)
3. Vice President Hon. Dr. Ragab Ragab, PCSO (United Kingdom)

**(C) PAST PRESIDENTS**

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

**(D) PAST VICE PRESIDENTS**

1. Dr. Laszlo G. Hayde (Hungary)
2. Dr. Hafied A. Gany (Indonesia)
3. Dr. Saeed Nairizi (Iran)
4. Mr. Shinsuke Ota (Japan)
5. Dr. Ragab Ragab (United Kingdom)
6. Engr. Chaiwat Prechawit (Thailand)

**(E) NATIONAL COMMITTEES / COMMITTEE**

- |   |                |
|---|----------------|
| 1. Mr. V.C. Ballard   | Australia      |
| 2. Mr. Dayende Francois Ouango                              | Burkina Faso   |
| 3. Mr. Laurie C. Tollefson                                  | Canada         |
| 4. Dr. Ding Kunlun; Mr. Gao Lihui                           | China          |
| 5. Mr. Kuang-Ming Chuang; Mr. Gwo-Hsing Yu                  | Chinese Taipei |
| 6. Dr. Mohamed Hassan Amer; Dr. Mohamed Abd-El-Moneim Wahba | Egypt          |
| 7. Mr. Olli-Matti Verta                                     | Finland        |
| 8. Mr. François Brelle; Mr. Bernard Vincent                 | France         |

9. Dr. Sándor Szalai	Hungary
10. Er. A.B. Pandya	India
11. Mrs. Syaiful Mahdi	Indonesia
12. Mr. Sattar Mahmoudi, Mr. S.A. Assadollahi	Iran
13. Mr. Ahmed Aziz	Iraq
14. Dr. Marco Arcieri	Italy
15. Dr. Yohei Sato; Mr. Masao Miyazaki	Japan
16. Mr. Daesu Eo	Korea
17. Dato' Mohd Azmi Ismail; Hjh. Zalilah binti Selamat	Malaysia
18. Mr. Traore Youssouf	Mali
19. Dr. Luis Rendón Pimentel; Waldo Ojeda Bustamante	Mexico
20. Er. Bashu Dev Lohanee	Nepal
21. Prof. ( Mrs.) Charlotte de Fraiture	The Netherlands
22. Mr. Moussa Amadou	Niger
23. Dr. (Mrs.) Irena G. Bondarik	Russia
24. Dr. Sylvester Mpandeli	South Africa
25. Mr. Bakhrom Gafarov	Tajikistan
26. Mr. Arthon Suttigarn	Thailand
27. Ms. Aysen Pervin GUNGOR; Dr. Aynur Fayrap	Turkey
28. Ms Danylenko Luliia	Ukraine
29. Dr. Ragab Ragab; Dr. Ian W. Makin	United Kingdom
30. Mr. Larry D. Stephens; Mr. Franklin E. Dimick	USA
31. Prof. Victor A. Dukhovny	Uzbekistan
32. Eng. Thubelihle A. Thebe	Zimbabwe

**(F) OBSERVERS**

1. Tarek Elsamman; Ashraf Ismail	Egypt
2. Dewi Rahma Yanti Azhar; Muhammad Refqi	Indonesia
3. Ali Masaeli; M.R. Shamsaei; Alireza Salamat	Iran
4. Naoki Hayashida; Kenichi Uno; Toru Hayashi; Yoshiharu Nakagami	Japan
5. Joong Seok Jang; Hun Sun Lee	Korea
6. Hernandez Perez Hugo Enrique	Mexico
7. Baratov Rustam	Tajikistan
8. Jeff Shaw	USA





**ICID REGISTER OF HERITAGE IRRIGATION STRUCTURES (HIS)**  
**(List of HIS<sup>1</sup> approved to be included by IEC at its 65<sup>th</sup> Meeting)**

**A. CHINA**

1. Dongfeng Weir
2. Mulanbei Water Conservation Project
3. Tongjiyan Irrigation Structure
4. Ziquejie Terraces

**B. JAPAN**

1. Fukarayousui Irrigation Canal
2. Inaogawa Irrigation Canal
3. Ogawazeki Irrigation Canal
4. Sayamaike Reservoir
5. Shichikayousui Irrigation System
6. Tachibaiyousui Irrigation Canal
7. Tanzansosui Irrigation System
8. Tsujunyousui Irrigation System
9. Yamadazeki Barrage System

**C. PAKISTAN**

1. Balloki Barrage

**D. SRI LANKA**

1. Abhaya Wewa Reservoir
2. Nachchaduwa Wewa Reservoir

**E. THAILAND**

1. Sareadphong Dam



---

<sup>1</sup> Based on the recommendations of the panel of Judges the Council approved the inclusion of the following structures into ICID Register of Heritage Irrigation Structures (HIS)



**Action Taken Report on the  
Decisions recorded in the Minutes of 64<sup>th</sup> IEC Meeting**

No.	Item	Decisions	Action Taken
1.	Welcome and Opening Remarks by the President (Para 2)	The Council endorsed the President's proposal that two or three National Committees be given the opportunity to present the works that are being undertaken by them during the plenary session of IEC.	The NCs of Philippines and Italy have been invited to make presentations during the plenary session of IEC.
2.	Report of PFC (Para 16) Resolution IEC-1/64 (Sr. No.5)	The Council decided to declare NCs of Afghanistan, Lithuania, Niger and Syria as "Associate Members" with effect from 1 January 2014 if their dues are not cleared by 31 December 2013, as per By-law 13.2	The decision has been communicated to respective NCs. Niger NC has paid US\$ 1485 and US\$ 963.65 as their subscription for the year 2012 and 2013 (partly) on 25 November 2013.
3.	Report of PFC (Para 16) Resolution IEC-1/64 (Sr. No.6)	The Council decided to apply By-law 13.1 to Fiji and Ukraine National Committees by debarring them from holding office – whether it be as Office Bearer or as member of a work-body until such time the arrears are paid	The decision has been communicated to respective NCs.
4.	Report of PFC (Para 17) Resolution IEC-2/64 (Sr. No.1)	The Council approved the reactivation of the National Committees of Chad, Malawi, Morocco, Sri Lanka, Zambia and Zimbabwe in accordance with By-law 13.5	-do
5.	Report of PFC (Para 20) Resolution IEC-1/64 (Sr. No. 7)	The Council approved the appointment of M/s Abhyankar and Company, as the Statutory Auditors of ICID, for a period of three years starting with the financial year 2012-13.	M/s. Abhyankar & Co. have been appointed as Statutory Auditors for a period of three years, starting with FY 2012-13.
6.	Report of PFC (Para 22) Resolution IEC-1/64 (Sr. No. 11)	The Council decided to delegate the responsibility to the Management Board to address the requests received from the NCs for the waiver of subscription in exceptional cases on a case to case basis.	MB considered such requests at its 3/13 meeting.
7.	Resolution IEC-1/64	The Council requested the NCs to continue to broadbase their membership at the National level in order to provide a platform to all the stakeholders in the agriculture water management.	NCs have been requested to broadbase their membership.
8.	Resolution IEC-1/64	The Council requested the NCs hosting ICID events to consider providing support to 10 YPs from developing countries to facilitate their participation	The RuCID and KCID have waived the full registration fee for 10 YPs as per the Council's request. 10 YPs have been provided scholarship to attend the ICID Congress from the Special Support from CNCID

No.	Item	Decisions	Action Taken
9.	Resolution IEC-1/64	The Council requested the CO to financially support the full waiver of at least five YPs to attend ICID events	The CO is supporting the participation of 5 YPs at 22 <sup>nd</sup> Congress at Gwangju.
10.	Resolution IEC-1/64	The Council requested the WG-YP to work out a criterion based on the contributions from the YP, the membership of the country, and the status of the country (least developed, developing and developed) to decide on the recipients of such a scholarship.	A criterion was worked out and approved by President and Chair of the WG-YP, based on which nominations were invited and recipients of YP Scholarship have been decided.
11.	Report of PCSO (Para 25)	The Council accepted the recommendation of the Special Committee to look into the Amendments to the Constitution and By-laws to include the Guidelines in "ICID Handbook of Procedures" and to make it available at the 'Members Only' web pages of ICID	It has been made available at the 'Members Only' web pages of ICID and submitted to the Registrar of Societies as required.
12.	Report of PCSO (Para 26) Report of PCTA (Para 47) Resolution IEC-2/64 (Sr. No.6)	The Council decided to constitute a Sub-Committee under PCTA to deliberate upon the Themes, Topics and Workplans of the various future ICID events including Congresses and World Irrigation Forums under the Chairmanship of PH Prof Bart Schultz.	The Sub-Committee has been constituted and the ToRs have been formulated by MB. The sub-committee will be submitting its report to PCSO, PCTA and IEC.
13.	Report of PCSO (Para 28) IEC Minutes Item 5 (Para 57) Resolution IEC-2/64 (Sr. No.8)	The Council decided to set up a Task Team to work out details for establishing WID Prize Trust Fund	A TT has been constituted under the Chairmanship of Chair, PFC to work details for establishing WID Prize Trust Fund and will be presenting its report to PFC for its consideration.
14.	PCTA Report (Para 41) Resolution IEC-2/64 (Sr. No.4)	The Council accepted the proposals of the Theme Leader Vice President Dr. G.R. Backeberg, to establish new WGs ( <i>under the tentative heading of (1) Water Management in Irrigation; (2) Water Management in Drainage; (3) Irrigation Water Loss Control; (4) Irrigation Revitalization/Modernization; (5) Irrigation Development and Management</i> ) under the strategy theme "Schemes", including the WG-DRG with a revised mandate, in principal.	Scoping documents of four WGs have been developed by various core groups identified for this purpose and will be discussed at PCTA meeting.

No.	Item	Decisions	Action Taken
15.	PCTA Report (Para 42) Resolution IEC-2/64 (Sr. No.5)	The Council approved the closure of TF-FIN, WG-DRG, and WG-WATS and to extend the tenure of WG-POVERTY, WG-DROUGHT and TF-BIO-ENERGY by one year i.e., up to 2014. WG-WATS is recommended to reformulate a new mandate to address the two newly proposed Working Groups for Irrigation Water Loss Control as mentioned in para 3.	TF-FIN, WG-DRG and WG-WATS have been closed. The Scoping Document for WG-DRG is being developed. Progress on WG dealing with Irrigation Water Loss Control is yet to take off.
16.	PCTA Report (Para 42) Resolution IEC-2/64 (Sr. No.7)	The Council decided to constitute a Task Team to review the procedure for proposing and adjudication of WatSave Awards based on the earlier decisions on the subject.	A TT was constituted and it will present its report to the Council at Korea.
17.	IEC Minutes Item 7 (Para 70) Resolution IEC-3/64 (Sr. No.5)	The Council adopted the amendments to the Constitution and By-laws as provided in Annex R.3.1 and Annex R3.2 of Resolution IEC-3/64 and requested the Special Committee to have a relook at the Article 7.2 of the Constitution and the by-law 2 "Election of Office Bearers" and come with suitable amendments.	The Special Committee has been requested to present its report at the forthcoming IEC meeting at Korea.





### GWANGJU STATEMENT

Issued at 22nd ICID Congress, Gwangju, 2014

The 22nd International Congress on Irrigation and Drainage with the main theme “Securing Water for Food and Rural Community under Climate Change” was held during 14-16 September 2014 at Kimdaejung Convention Centre in Gwangju Metropolitan City, Republic of Korea, organized and hosted by Korean National Committee of ICID (KCID). The Congress was attended by more than 1345 delegates from 62 countries.

Based on 228 papers and posters from 42 countries submitted, the participants discussed the two Questions i.e. Q. 58: “How Irrigation and Drainage play an important role in Climate Change Adaptation?” and Q.59: “How do Irrigation and Drainage Interventions secure food production and livelihood for the rural community?”. During the Congress, in addition to addressing these two questions, a Round Table meeting on ‘Irrigated Agriculture and Development in Developing Countries’, a Symposium on “Non-point Pollution – Best Management Practices”, special sessions on “New Partnership for the Rural Development”, and a number of side events were also organized.

#### **QUESTION 58: How Irrigation and Drainage play important role in Climate Change Adaptation?**

- i. Climate change is an added stress on the increasingly complex and interlinked issues of rural development. Interventions to mitigate the extreme impacts of climate change such as floods and drought have to be integrated in all decision making processes.
- ii. Irrigation and drainage are important adaptation strategies that provide the means to mitigate negative impacts of climate change for food and water security. They generally go a long way in building resilience and promoting rural development.
- iii. To mitigate climate change on agricultural water use, installation of water measurement equipment in irrigation projects, modernization of current irrigation systems, encouragement of people as well as relevant stakeholders (irrigation cooperatives, NGOs, etc.), leading to sustainable irrigation water use.
- iv. There should be more efforts to addressing flood and drought risks in agriculture at the policy level with adequate integration into agricultural development policies, plans and programmes. A community-centred bottom-up approach and model-based analysis are good ways forward that address the risks of current and advanced adaptation and resilience for the future.
- v. Negative impacts of climate change on crop yields have become more common than positive impacts. The exact problems are not well-defined in less developed regions with limited water availability, where vulnerability to climate change is higher. Therefore, it is necessary to establish effective counter-measures, assessing the past and present conditions, with innovation in methodology and state-of-the-art technologies.
- vi. While impacts of climate change in the atmospheric and hydrologic systems on food production are being projected, the impacts on crops, even on the major cereals, are still under initial assessment, there is a need for evaluation of the impacts of climate change on agricultural and hydrological processes, including soil-water profile, groundwater dynamics, river flow, water requirement, crop growth, drainage discharge, water quality, cropping pattern and farming system, etc. need to be evaluated and implementation of results need to be promoted.
- vii. Since the phenomena or factors associated with climate change and its apparent impacts are difficult to be projected with certainty, one of the more effective and feasible measures for adapting to the impacts is to take actions incrementally, as in an adaptive/trial-and-error manner, utilizing the best available past experiences and current knowledge, while collecting additional information as needed. In pursuing such an adaptive approach, a step-wise integrated assessment is effective and reliable.

#### **QUESTION 59: How do Irrigation and Drainage Interventions secure food production and livelihood for rural community?**

- i. Securing irrigation water makes food production safe and is one of the ways to maintain – or re-settle – people in rural areas, by giving them an economic activity. It therefore contributes to securing livelihood and protects the rural population from poverty, and thus from migrating towards big cities, increasing poverty and unemployment.
- ii. Multiple use of water in irrigation systems and adequate use of poor quality water as well as changes in farm and natural ecology due to irrigation and drainage are important development factors in rural areas. Attention must be paid to the role which the rural community can play in the governance of water resource and hydraulic systems, provided that relevant capacity building is carried out.

- iii. Water needs are increasing for food production yet water needs for the environment have to be better satisfied; water for drinking and for hygiene must be made more available for more people. On the other hand, climate changes will result in many regions, in lower or more irregular rainfall, often making water resource scarcer. It is therefore crucial to improve irrigation efficiency. As irrigation will be compulsorily thriftier, developing water saving methods and techniques is essential.
- iv. A common definition of how we define water use across sector is required for a common understanding of the concept of "Irrigation efficiency". We need to define what, when, where and why? Improving irrigation efficiency requires an integrated approach which includes: agronomic, engineering, management, institutional, policy and social parameters. Focusing on a single approach will fail.
- v. Water sharing often accompany with conflicts among different water users. Agreements need to be made not only among countries but also within domestic activity sectors. Considering complex nature of water sharing, decision must be made when and where to distribute water resources with adequate quantity and quality to meet water demands.
- vi. Ways for improving irrigation efficiency are through automated and rotational irrigation scheduling systems and measurement of water delivery and application. Modernization of irrigation and drainage facilities are of course a means towards water savings and therefore a better productivity of irrigation water, which can be achieved not only by implementing new technologies, but also through integrated irrigation and drainage management systems.
- vii. Inter-basin cooperation, either within a country or transboundary, is often the solution to cope with limited water resources or to solve water conflicts. Water use rights differ from country to country, but are often among the oldest country regulations and must be carefully taken into consideration.

### **New Partnerships for Rural Development**

High population growth with changing dietary habits results into high demand for food and nutrition from the limited natural resources (land and water). Improving processes to preserve the natural resources require clear understanding of the multi-dimensional cause-and-effect mechanisms in the sphere of agriculture and rural development. Developing countries currently have limited access to effective funding for developing such mechanisms and preserve land and water degradation. Recognizing the importance of overall rural development, the Special Session on 'New Partnerships for Rural Development' deliberated on the related aspects and came out with following recommendations:

- There is need to bring a feeling of community ownership and voluntary participation, an important ingredients for successful rural development, through elections in each community, capacity development, government support to the decisions made by the community and partial government financing.
- Increasing food production is invariably the focus of agricultural development, but value chain development (adding value to market products) is missing.
- There is need to move from PPP to PPPP (the 4th P is for producers), leading to participatory approach in the community including woman in the rural development model.
- Development of Agro-park/Eco-park is crucial for rural development, where all stakeholders are organized into a network, resources are circulated, wastes are decreased, innovative technologies used and quality products are exported.
- Rural development needs to be managed by the locals in partnership with external players and support. Micro-financing is a possibility and sometimes communities may not require government/external support for rural development.

### **Working towards a cooperative network**

ICID has encouraged developing countries to participate in its activity, because water for food is the most important issue that determines their food security. Developing countries learn lessons from the developed countries who have transitioned recently, particularly countries like Korea which has taken long strides in economic growth in the past thirty years. A Round Table Meeting (RTM) was organized by the NOC of the 22nd Congress and Korea Rural Community Corporation to build up a cooperative network with global partners. Experts from 17 countries and 5 international organizations presented 23 papers. The invited experts shared their experiences and discussed various issues connected with on food security and rural development and the means to overcome these challenges.

Recognizing that the irrigation projects in each developing country have their own characteristics depending on their local needs and stage of economic transition, the RTM called for institutional innovation of the



irrigation agencies and associations to provide the practical services to farmers. In the process it is necessary to involve the farmers in the operation and maintenance of irrigation facilities provide them required technical training and enhance the effectiveness of implementation of rural development programs through monitoring and evaluation of existing rural development projects for more promising outcome from upcoming projects. The Round Table called for establishing the feasibility of an organization like International Rural Development Cooperation Center with the objective to facilitate sustainable solutions for improving living condition of residents in rural area.

### **Management of non-point sources of pollution**

Non-point source pollutants are mainly a consequence of agriculture activities which are currently recognized as the single greatest contributor of NPS pollutant to the soil and water sources. Assessment of NPS, which is the first step in dealing with the issue itself is a complex issue requiring interdisciplinary inputs. The Symposium on "Non-point Sources Pollution and Best Management Practices" was the main theme addressed by 21 papers presented during the symposium. Developing less expensive Best Management Practices (BMPs) is important to prevent NPS pollution before it occurs and enters the water bodies in order to ensure quality water resources and consequent sustainable agricultural food production. While the symposium fell short of identifying 'best management practice', it raised some major concerns and observations that need to be addressed in dealing with NPS and suggested that the following points may be kept in view while assessing best management practices.

- As the present state of methodology of assessment of the NPS of pollutants are lacking there is need to consider the long-term evaluation studies in various conditions in order to draw clear and robust guidelines for structural and non-structural BMPs.
- Process-based models, which are able to consider the fate and behavior of agrochemicals, need to be used for assessing the effects of BMPs on agricultural water resources in advance and should take into account the weather variables (ex. rainfall) in the impact assessment.
- Impact of climate change in agricultural NPS pollution cannot be ignored and uncertainties of climate change scenarios should be considered through multi-model ensemble (MME) and appropriate downscaling methods.
- Assessment of proposed BMPs should consider their economic feasibility.





### Presentation on Strategy Theme ‘Knowledge’

**VP Er. A. B. Pandya and VP Dr. Ir. Basuki Hadimoeljono, Co-Theme Leaders**

1. Technical activities of ICID are organized under four Strategy Themes viz. Basin, Systems, On-farm and Knowledge. In order to give a new thrust to the activity of imparting latest knowledge to professionals working in the area of irrigation, drainage and flood management, this note examines the efforts being made by various ICID workbodies in Knowledge Management. This note is an attempt to review the process of knowledge management to improve upon one of the main objectives of the Commission.

#### **Strategy Theme “Knowledge”**

2. Strategy theme “Knowledge” essentially covers four working groups: EB-JOUR, C-PR&P, WG-HIST, TF-VE, and TF-WWF7. The note looks at the functioning of these WGs. Knowledge, however, is spread across all working groups. Therefore, the note also explores the activities of other ICID WGs from knowledge management perspective.

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

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

5. The various Working Groups of ICID, through their activities help generate, extract, compile, and synthesize the available knowledge. At the same time ICID technical Working Groups compile some of the knowledge in the form of reports, manuals and guidelines. These outputs are publicized on their respective web pages so as to make the information available to all interested. Some of the chairs and members of the workbodies use their website as an effective way for dissemination of this knowledge.

6. Central Office is facilitating the sharing of this knowledge across a wide spectrum of stakeholders by making use of ICID Web pages. Initiatives have been taken to help members to get the latest information and to meet the growing requirements of the professionals. Some of the efforts that are being made by the Central Office in this direction are described in pamphlet “New Services from ICID Central Office”.

#### **Review of activities of WGs under Strategy Theme “Knowledge”**

7. That there exist gaps in global efforts in dissemination of knowledge is borne out by the existence of instances where highly useful and practical innovations did not *succeed* due to lack of dissemination of knowledge about appropriate techniques. Presently a lot of innovations and knowledge is available which does not reach the stakeholders concerned. It is necessary to ensure that this knowledge is tailored to the needs of irrigation professionals other inter-mediaries such as extension service personnel and NGO volunteers, who can help the farmers in their efforts to generate more income per unit of water and land. It is therefore essential that the available knowledge is widely shared and transferred, particularly on the outcomes of the latest researches being made in the fields of irrigation and drainage to the end users at the field level. The efforts made by ICID in this direction over the years in order to meet the objectives and mission of ICID are briefly analyzed.

8. The Journal of the International Commission on Irrigation and Drainage is being published by Wiley-Blackwell under full editorial responsibility of **Editorial Board (EB-Jour)** of ICID. It is a publication that directly addresses the agriculture water management and flood management. The potential impact of the Journal on the transfer of technology is large and in the academic circles it has established itself as a prestigious Journal. *EB-Jour*, within its given mandate, is performing its functions effectively. The circulation of the Journal is unknown but its impact factor is satisfactory. The Journal is available in both hard as well as electronic form to readers through various mechanisms. It is also made available to a wider readership of professionals/researchers from developing countries through programme Research4Life as well as AGORA (agora@fao.org) and OARE (oare@oarescience.org).

9. Besides dealing with all relevant procedural issues concerning the publications of ICID, the **Committee on Public Relations and Publications (C-PR&P)** is required to identify the audiences and their interests and suggest the appropriate type of communication. The Committee should formulate a policy and evolve guidelines which encourage production of those publications which have the potential to help professionals to

acquire the latest knowledge through good practices available in different countries. The publication of Manuals that can directly be applied in the field should, therefore, command higher priority.

10. The **Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)** has worked over the years to motivate ICID National Committees in various countries to set up their national working groups and provide guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, flood management, and river engineering. The Group should also identify and highlight the works of excellence which can help in educating the professionals about the ancient and traditional knowledge and practices and have the potential to motivate them to excel in their work. The Working Group should draw lessons from the process of recognition of Heritage Irrigation Structures (HIS) and disseminate them.

11. The **Task Force on Value Engineering (TF-VE)** established in 2012 for a period of three years is mandated to promote the application of Value Methodology (Value Engineering, Value Analysis, Value Planning, Value Management) in irrigation, drainage and flood management projects to increase benefits, reduce cost and ensure sustainable irrigated agriculture. However, the TF has not attracted much interest from Members and the membership has remained below five during the last three years. Value Engineering is a TOOL and as such this tool needs to be developed so far as Irrigation, Drainage and Flood Management field are concerned. The TF, with limited interest from the members cannot be expected to develop such a Tool. The TF should therefore be wound up and the activity of developing this tool for Flood Management may be taken up by WG-CAFM if the members of the Group so desire.

### **Knowledge activities under various Strategy Themes**

12. Exchange of knowledge among the members of the working groups is one of its mandate. However, dissemination of the knowledge in the form of best practices needs improvement. Knowledge management activities undertaken by WGs under other strategy themes are briefly analyzed in **Annexure**.

13. The multi-lingual Dictionary for Irrigation and Drainage related terms is an important contribution by ICID wherein almost all the technical WGs make important contributions. The latest version of the dictionary was revised in 2010 with an electronic version made available on DVD. Unfortunately, with the new version coming into existence, the translations of the earlier versions of the dictionary in to other languages such as Italian, Russian, Arabic, Turkish etc have lost the synch. The 2010 version of the dictionary failed to make use of the technology to enable the dictionaries in the other languages to keep pace with the new version. It is also for consideration whether, in today's IT scenario there is need to included sections that belong to other specialized fields such as Hydrology, Construction Technology, Computer, etc. Perhaps it would be appropriate for ICID to concentrate on terms that are closely related to our main subjects: irrigation, drainage, flood management and river training. This will make the revision of dictionary easier and prompt. It is also for consideration for each of the WG to revisit the terms once every three years and recommend changes, if any, to a standing sub-committee on terminology under PCTA.

### **Recommendations**

14. In order to address a wider readership, particularly attracting stakeholders working in related sectors and at grass root level, it is necessary to widely disseminate the outcomes or conclusions of the deliberations of ICID technical events, policy papers, technical articles in a layman's language by publishing/ converting some of the them in to articles in language that is easy to understand with focus on promoting "state of art" knowledge to users in planning, design and field applications.

15. Proposals to improve the Strategy Theme "Knowledge" following recommendations are made:

- (a) Publication policy of ICID may need to be revisited
- (b) WG on Education and Training needs to be established
- (c) ICID should organize special tailor made trainings on subjects of general interest
- (d) E-Learning through, webinars and e-courses should be developed
- (e) Setting up mechanism to review Multi Lingual Irrigation and Drainage Dictionary
- (f) The WGs should bring out publications based on their work particularly addressing non-professional or lay stakeholders.
- (g) National Committees should make better use of and enrich the Integrated Library Information System (ILMS)



## Annexure to Annex 5

**Analysis of Knowledge Management Activities of Different Working Groups**

16. The Working Group on Global Climate Change and Agricultural Water Management (**WG-CLIMATE**) is mandated to review the progression of and predictions of Global Climate Change (GCC), to explore and analyse the medium term implications of climate change and variability for irrigation, drainage and flood control, to stimulate discussion and raise awareness of water-related GCC issues within ICID family, to stimulate discussions at national scale among scientists, policy makers and through the media, the general public on GCC and water and to join international dialogue on GCC and water. The group organized an international workshop on 'Management of Water, Crops and Soils under Climate Change' held at Mardin, jointly with WG-CROP. The WG has also initiated a work plan to prepare a note on the technical aspects of 'Adapting Irrigation and Drainage to the Impacts of Climate.' This is a step towards knowledge management which will be of great help. The recent WMO.ICID MOU in respect of the Global Framework for Climate Services (GFCS) which was established by the UN System under the leadership of the WMO to provide relevant climate related information to national users is another effort to take advantage of the knowledge available in specialized organization for the benefit of ICID community because the GFCS focuses on four priority areas i.e. agriculture and food security, disaster risk reduction, health, and water which are areas of direct relevance to ICID. WG on Climate should work towards generating knowledge through collaborative mechanisms at regional and national levels between climate service providers and stakeholders from water and agriculture sectors.

17. WG-CAFM has the mandate to identify and disseminate the knowledge about the various structural and non-structural measures of flood management, and to study their social, political and economic impacts etc. The WG is planning to publish a document titled "*Adaptive Flood Risk Management*" based on workshop papers and country presentations on floods, internal presentations and other sources. It is necessary to ensure that the publication is not just a compilation of practices of different countries but should give guidelines on proper flood management strategies. The earlier publication of the preceding working group "Non Structural Approach to Flood Management" should also be integrated with this publication to make it a comprehensive reference work on knowledge in Flood Management including discussions on the field experiences of the implementation of disaster management strategies in flood disaster prone countries.

18. The WG-DROUGHT is mandated, inter alia, to work on Drought Management Strategies and to capture field experiences on their implementation as well as coping with water scarcity. It is also expected to carry out critical evaluation of the validity of the crop water requirement computations based on climate data as a tool to be used in coping with water scarcity. The Group has recently organized an International Workshop on 'Developing Management Strategies for Coping with Drought and Water Scarcity' at Mardin. The WG has decided to bring out a single publication. Most of the countries in developing world are faced with the problem of water scarcity and drought. This would become more acute due to expected adverse impacts of climate change. The proposed publication can be a valuable asset in our aim of knowledge management if it can present a viable and effective strategy based upon available information from different countries.

19. The Working Group on Environment (WG-ENV) has been, inter alia, mandated with the task of providing guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the environmental aspects of drainage and irrigation systems. Agricultural return flow and requirement of environmental flow is an important subject on which practices differs from country to country. The group has been able to get information in respect of European countries for which a publication indicating guidelines is under preparation. The group is trying to collect existing practices in member countries which can become source material in addition to material available in public domain for preparation of appropriate guidelines for developing countries.

20. Another important topic being discussed is the "Environmental aspects of irrigation and drainage projects; Management of a sustainable environment (maximizing positive and minimizing adverse effects of irrigation and drainage systems)". It is felt that the group should aim to project the positive impacts of irrigation, for example, in groundwater recharge, flood water retention and paddy field multi-functionality. This can be done by suitably designed pamphlets which can be used by both electronic and print media. This topic needs extensive efforts at knowledge management as there are strong lobbies all over trying to derail efforts at new irrigation development citing adverse ecological and environmental impacts.

**Annexure to Annex 5**

21. The Working group must concentrate mandate on the important task of collecting information about the environmentally sustainable tidal area development activities around the world; and to review the progress of natural wetland conservation and constructed wetland development in tidal areas; The working group is also required to join the international dialogue and organize international conferences to promote land and water management in tidal areas as well as evaluate the feasibility of tidal energy exploitation under global climate change; and to facilitate the exchange of relevant experiences amongst NCs and provide support for developing, and least developed countries.

22. WG-SDTA had arranged the publication of a Special Issue of ICID Journal-Irrigation and Drainage in 2013 titled "Sustainable Water and Land Management in Tidal Areas" which was available online. The working group has also organized Internal Workshop on 'Environmental Impacts and Sustainable Management of Tidal Areas' in 2013 and another International workshop on 'Sustainable Management of Tidal Areas in the Era of Climate Change' in 2014. These are important steps aimed at Knowledge Management which should ultimately result in bringing comprehensive guidelines for the sustainable development of Tidal areas. As part of efforts at dissemination of available knowledge and capacity building the working group has rightly planned a publication on this subject.

23. The Working Group on Drainage (WG-DRG) mandated with the task to promote drainage as part of integrated water resources management; and to promote sustainable approaches for drainage and related projects through a balanced integration of environmental, economic, social and cultural aspects. The group has brought out a DVD titled 'Agriculture Drainage Digest' with active support of the Central Office. The DVD includes proceeding of all past IDWs, ICID publications related to drainage, special workshops, special issue on drainage of the ICID Journal, select publications of Compilation of experiences in bio-drainage and bio-saline agriculture the World Bank, ILRI, FAO, etc. The DVD Compilation of experiences in bio-drainage and bio-saline agriculture. This is a laudable effort at knowledge management which can inspire similar action by other working groups also.

24. Working Group on Water Saving for agriculture (WG-WATS) has the mandate: "To recognize proven water saving success and to identify and promote successful water conservation". Besides discharging its responsibilities in respect the watsave awards, the group has published three publications on watsave activities in member countries and included a few watsave case studies and new techniques employed with success in saving water use for growing crops.

25. As irrigated agriculture sector is the major consumer of water and faces great competition from other sectors it is necessary to bring out a publication which can help cut down quantum of water use without sacrificing the area or crop yield, It is necessary to compile the examples and after critical review present the methods in easy to understand format for use by irrigation professionals and farmers in the field particularly in water short countries. The watsave award winners have also presented a few techniques and other source materials on the subject which can be a valuable source material for knowledge dissemination for the benefit of irrigators and policy makers in member countries.

26. Working Group on Water and Crops (WG-CROP) has been mandated to promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

27. It is desirable to bring out separate publications on each of the following topics which will be an important effort at knowledge management.

- (a) Precision Agriculture: Promote the efficient use of water and low input in crop
- (b) Multi-functionality to water use in paddy (Rice) cultivation
- (c) Management of Agriculture under Climate Change

28. Working Group on Use of Poor Quality Water for Irrigation (WG-PQW) is required 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. The publication of its output in a various forms - Technical papers for peer reviewed journals, technical notes, non-technical notes and manual for SALTMED model software.is under active consideration The type of publication will be decided once all the reports received by the Chairman.

**Annexure to Annex 5**

29. The Reuse of saline drainage water for irrigation and use of Poor Quality Water, in general, for irrigation of suitable non-food crops like Biofuel Crops have assumed great urgency in water stressed countries of developing world. The use of degraded lands for growing biofuel crops has also been tried in some countries and advocated. ICID is in a unique position to compile case studies and experiences of the countries in this area for guidance of water stressed countries who are keen to use waters of poor quality for agriculture to meet rising demands of water for domestic and industrial sectors in addition to irrigated agriculture.

30. Working Group on on-Farm Irrigation Systems (WG-ON-FARM) is mandated to promote on-farm irrigation as part of integrated water resources management, and to promote sustainable efficient approaches for on-farm irrigation. As micro irrigation techniques have an important role to play in the efforts to achieve savings in water use the group has made sustained efforts to compile the data on areas under drip and sprinkler irrigation in the world. This is an important step towards knowledge management. During its meetings several papers are discussed where new and usable techniques are presented in micro irrigation and for achieving improved efficiency of water application, in the last meeting a paper on "Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices" was reported to be ready as also a few others like the "Micro irrigation for stallholders and greenhouses", "The performance of Moist Tube irrigation", "Improved efficiency of irrigation water use: A South African framework". The valuable information and data culled out from such papers presented during the past sessions of this group and other groups like WG- WatSave, WG Crop etc. need to be compiled and presented in a comprehensive manner which can serve as a complete guide on latest and viable water saving techniques both under micro irrigation as well as surface application methods using surface flows or ground waters to achieve efficient use of water for cultivation of crops.







**APPENDICES TO 65<sup>TH</sup> IEC MINUTES**



Minutes of the 35th Meeting of the  
**PERMANENT FINANCE COMMITTEE (PFC)**  
 18 September 2014: 09.00-10.30 hours (Session I)  
 18 September 2014: 11.00-12.30 hours (Session II)  
 Gwangju, Republic of Korea

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

**Members:** (1) Vice President Hon. Dr. Saeed Nairizi, Chairman (Iran, 2006); (2) Vice President Laurie Tollefson, Vice Chairman (Canada, 2013); (3) Mr. Akira Nakazawa (Japan, 2009) represented by Mr. Naoki Hayashida; (4) President Hon. Prof. Dr. Bart Schultz (The Netherlands, 2011); (5) Ms. Serpil Koylu Dalgin (Turkey) represented by Dr. Huseyin Gundogdu; (6) Mr. Sergy N. Gurjavech (Russia, 2012) represented by Dr. (Ms). Irene G. Bondarik; (7) Mr. Hao Zhao (China, 2012) represented by President Dr. Gao Zhanyi; and (8) Er. Avinash C. Tyagi, Secretary General, ICID.

**Observers Present:** (i) President Hon. Peter Lee (UK); (ii) Dr. Arthon Suttigarn (Thailand); (iii) Dr. Bernard Vincent (France); (iv) Dr. Luis Rendon Pimentel (Mexico); and (v) Mr. Hugo Enrique Hernandez Perez (Mexico).

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

1. The Committee welcomed the decision of IEC to appoint VP Laurie Tollefson, Vice Chair of PFC from Canada as the Chair of the Committee after completion of extended term of VPH Dr Saeed Nairizi. Based on the nominations received from the respective National Committees, the following were recommended for acceptance as the members of the PFC:

- (a) Mr Naoki Hayashida (Japan) in place of Mr Akira Nakazawa
- (b) Mrs Irene Bondarik (Russia) in place of Mr Sergy N Gurjavech
- (c) Engur Husnain Ahmad (Pakistan) as a new member

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

2. It was recalled that after the decision of IEC in its 63<sup>rd</sup> meeting to open its membership to corporates, institutions and individuals, IEC had established the Direct Membership Administering (DMA) Sub-Committee and adopted the procedure as laid down in the Guidelines for Administering Direct Membership (Annex R 3.3 of Minutes of 63<sup>rd</sup> IEC Meeting).

3. Based on the report of DMA Sub-committee, the PFC recommended IEC for acceptance of the following as Direct Members of ICID:

SI. No.	Name of Applicants	Country	Type of Membership Applied for
1	Er. Tumaini E.R. Mazengo	Tanzania	Individual (Young Professional)
2	Mr. Naty Barak	Israel	Individual (Retiree)

4. The Committee considered the proposal from DMA sub-committee regarding fee structure for making provisions of Life Membership for the individuals in the rules of Direct Membership. Based on these proposals, PFC discussed and recommended to IEC the following Life Membership fee structure for the Individuals and Individual (Retirees). As proposed by the DMA Sub-committee, the Committee did not favour Life Membership for Young Professionals.

**A. For Developed Countries**

Membership category	Subscription			Admission Subscription
	1 year	3 year	Life	
I. Individual*	\$ 100	\$ 270	\$ 900	\$ 20
II. Individual (Retiree)**	\$ 70	\$ 190	\$ 600	\$ 20

**B. For Developing Countries**

Membership category	Subscription			Admission Subscription
	1 year	3 year	Life	
I. Individual*	\$ 60	\$ 160	\$ 550	\$ 20
II. Individual (Retiree)**	\$ 60	\$ 160	\$ 500	\$ 20

\*Persons between age group of 40-60 years, \*\*Persons above 60 years

**PFC Minutes Item 3: Review of position of Arrears of Annual Subscription form NCs and Membership Status**

5. PFC noted with regret that the National Committees of Afghanistan, Lithuania and Syria have become "Associate Member" with effect from 1 January 2014 as they failed to clear their dues by 31 December 2013. PFC also noted that Austrian National Committee has withdrawn from the membership of ICID.

6. PFC noted that a total of nine (9) active National Committees (NCs) were in arrears of subscription, out of which two (2) NCs are in arrears of subscription of three years. The Committee also noted that Irish National Committee (IRCID) has cleared their outstanding dues and current year subscription of 2014. PFC noted that Nigerian National Committee (NINCID) have paid their outstanding dues of subscription aggregating to US\$ 6626.99 for the years 2009, 2010, 2011 and 2013 after 64<sup>th</sup> IEC in Turkey and recommended them to be accepted as Full Member and like to place on record its appreciation of NINCID for clearing the outstanding dues. The Committee expressed its satisfaction at the good situation of the arrears of subscription and appreciated the efforts of Central Office (CO) in following up with the NCs.

7. PFC also recommended to IEC for applying By-law 13.2 to Fiji and Ukraine National Committees and relegating them to the "Associate Member" status, if they fail to clear their dues by 31 December 2014.

8. PFC also noted the decision of the Management Board (MB) at its virtual meeting held on 12 December 2013 for waiver off the old arrears (one year subscription) of Philippines and Hungarian NCs and also allowing Tajikistan and Uruguay to re-join ICID without clearing their outstanding dues. PFC advised the CO to follow-up with Saudi Arabia NC to clear their balance of subscriptions for the years 2010-13.

9. PFC recommended that since Madagascar National Committee (MADCID) and Tajikistan National Committee (TAJCID) have paid their dues, they may be admitted as fresh members of ICID.

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

10. PFC thanked TUCID, the host for the First World Irrigation Forum and 64<sup>th</sup> IEC meeting, to have made a special contribution to the ICID budget of US\$ 55,194, being the 15% share from the total registration fee.

11. PFC thanked RuCID for organizing an excellent 12<sup>th</sup> International Drainage Workshop (IDW) and also noted that RuCID has intimated that they will be making a special contribution to the budget of more than US\$ 2591 as the share of the total registration fee collected for IDW in St Petersburg, Russia in June 2014.

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

12. The Thai NC representative Mr. Arthon Suttigarn presented, in brief, the venue facilities and the financial proposal. Mr Suttigarn also presented the detailed estimate based on an assumption of 1200 participants at the 2<sup>nd</sup> WIF. The estimate include the 35 percent share of the registration fee as special contribution to the ICID budget. The Committee noted that THAICID has made a proposal to the Royal Government of Thailand to support the entire expenditure on the WIF and the same is expected to be approved by November/December 2014. The

Committee noted that the revenue generated from the exhibition and other sponsorship activities will be directly remitted as revenue to the government in accordance with the prevailing accounting practice in the country.

13. The Mexican National Committee (MXCID) also made presentation on the venue and other arrangements through a short film along with a financial proposal as filled out in the Form A.

14. The Committee recommended that since THAICID has made a clear proposal IEC may approve the following financial proposals as given below including fee structure of the host NCs: THAICID for the 2<sup>nd</sup> World Irrigation Forum and 67<sup>th</sup> IEC meeting; and the Host MXCID for the 23<sup>rd</sup> Congress and 68<sup>th</sup> IEC meeting in Mexico. The fee structure for 66<sup>th</sup> IEC was already approved during the 64<sup>th</sup> IEC meeting.

Year	2015		2016		2017	
Venue	Montpellier, France		Chiang Mai, Thailand		Mexico City, Mexico	
Event	66 <sup>th</sup> IEC with European Regional Conference		67 <sup>th</sup> IEC with 2 <sup>nd</sup> WIF		68 <sup>th</sup> IEC with 23 <sup>rd</sup> Congress	
	Nos.	Rate	Nos.	Rate	Nos.	Rate
Full registration*	400	\$800	400	\$750	500	\$800
Non-member fee		\$850				
Young Professionals (International)	--	--	100	\$400	300	\$400
Young Professionals (Local)	50	\$400				
Local/conference rate	600	\$200	400	\$100	100	\$500
Retired Professionals	--	--		\$400		\$400
Accompanying		\$200		\$300		\$300

**PFC Minutes Item 6: To discuss the audited accounts of ICID for the year 2013-14 and recommend to the IEC**

15. The Committee considered the Audit Report of M/s A. Abhyankar & Company, Statutory Auditors for the financial year 2013-14 presented in **Annex R1.1, page 15**.

16. The Committee noted that the Statutory Auditors have once again raised certain questions regarding continuing to maintain the account in HSBC London without making any transactions, which may come under adverse comments from the Reserve Bank of India. Secretary General informed that since the foreign exchange regulations within India are very liberal, ICID can get any amount of foreign exchange limited to the remittance in foreign currency received. Moreover, the capital amount is losing possible interest that could be earned if the amount is transferred to Canara Bank account. However, PH Bart Schultz and PH Peter Lee opined that the basic reason behind keeping an account in London HSBC was not to put all the resources of ICID in one country. As such approximately an amount equal to one year subscription was being kept outside India. After due consideration, the Committee advised the SG to continue maintaining the Dollar account in HSBC London.

17. PFC noted that the Receipts and Payment Account of the ICID Employees Provident Fund Trust for the year 2013-14 were also audited by the auditors. SG pointed out that the audit of the Trust is being placed before the PFC as the IEC through PFC has to keep a watch on the Employee welfare. It was pointed out that due to non-submission of the audit report there had been certain shortcomings in the upkeep of the Trust as in certain cases due to the financial constraints faced in the past, the contribution from ICID had not been fully transferred to the Employees Trust, which would require to be rectified. The amount standing at the credit of the subscribers (staff) as on 31 March 2014 was Rs. 249,24,282.

18. PFC recommended to IEC the Audit Report for the FY 2013-14 of M/s A. Abhyankar & Company, as presented in **Annex R1.1, page 15** for approval. While discussing the report PFC recommended that a separate Account may be created for Gratuity Fund and Superannuation Fund.

**PFC Minutes Item 7: Budget and payments for the financial year 2013-14**

19. The Committee noted that there has been an improvement in the realization of the annual subscription for the calendar year 2013. It also noted that during this financial year due to the continuing better exchange rate there has been an increased realization of income in Rupee terms (under the head 'other incomes').

20. The Committee noted that during the financial year 2013-14 an amount of US\$ 65,000 was granted by Ministry of Water Resources, China for various identified activities. The Committee recorded its appreciation to CNCID for the grants provided for specified activities of ICID.

21. The Committee was also informed that during the FY 2013-14, the rent receipts have increased to Rs. 23.33 million as against the Rs. 9.53 million in the previous FY 2012-13 due to the fact that apart from the old area, an additional area has been leased out, to M/s YES Bank on a higher monthly rentals. The Committee noted that the income from lease of office accommodation to M/s Yes Bank has substantially increased by entering into a fresh Lease Agreement with them for a period of nine years with 9 percent increase every three years. The Committee highly appreciated the efforts of the Secretary General for efficiently negotiating the new Lease Agreement.

22. The Committee also appreciated the efforts made by the Central Office in resolution of the outstanding issue of payment of fee to Land and Development Office, New Delhi and the clearance of all old tax dues to them as share of the rent received by ICID during the FY 2013-14 and past dues of nine years, which amounted to Rs 13.41 million. PFC also expressed its satisfaction that the rehabilitation and refurbishing of the Central Office building is being successfully undertaken without any disruptions in the services of Central Office.

**PFC Minutes Item 8: To consider the revised budget proposal for the financial year 2014-15, budget proposal for 2015-16, preliminary budgets for the year 2016-17 and forecast budget for the year 2017-18**

23. The Committee considered the revised budget for the FY 2014-15. The Committee was informed by Secretary General that provision has been made for Rehabilitation and Refurbishing of Central Office Building towards boundary walls, drive way, solar power systems and other miscellaneous payments. The Committee was further informed that the solar power system is required to meet the electricity demands during power fluctuations/load shedding and also as a clean energy measure and which will reduce the electricity bills. The Committee also considered the budget proposal for the FYs 2015-16, preliminary budget for 2016-17 and forecast budget for 2017-18 as presented at **Annex R1.2, page 18**.

24. The Committee recommended for the acceptance of the revised budget for FY 2014-15 and the proposed budget for FY 2015-16, preliminary budget for FY 2016-17 and forecast budget for 2017-18 by IEC as given in **Annex R1.2, page 18**.

**PFC Minutes Item 9: Surplus/Deficit and Cash Reserve**

25. The Committee noted that there is likelihood of a surplus of Rs 16.03 million for the FY 2014-15. Also Rs. 11.13 million, Rs. 13.56 million and Rs. 2.94 million are expected to be surplus for the FY 2015-16, FY 2016-17 and FY 2017-18 respectively. PFC was informed that the total cash reserve as on date is only Rs 35.47 million, which is only half of the annual budget. SG pointed out that this is not a very healthy sign for the financial sustainability of any organization. The Committee further recommended that after meeting all liabilities, cash reserve may be allowed to build up at least equal to the annual payments.

26. The Committee, in line with the decision taken at 34<sup>th</sup> PFC meeting at Mardin agreed to gradually increase the reserve fund.

**PFC Minutes Item 10: Report of the Task Team for WID Prize Fund**

27. PFC, considered the report of the Task Team constituted for 'Establishment of WID Prize Trust Fund'. It deliberated on the pros and cons of establishing a Trust Fund and establishing a Corpus Fund. With a view to keep the legal formalities to a minimum without losing the flexibility, it was decided to accept the report of the Task Team and recommend establishment of a Corpus Fund for the expenditure exclusively on the following specific accounts: (a) Payment to the WID Prize winner(s); (b) Expenditure on raising the voluntary contributions towards the fund; (c) Expenditure on publicity for the WID Prize; and (d) To meet any other expenditure in connection with WID Prize, with rules and regulations as given in **Annex R2.1, page 21..**

28. The Committee recommended that ICID should approach the various National Committees, institutions, donors, individuals, corporate bodies and research institutions, guided by the UN Charter, for making voluntary contribution to the Corpus Fund.



**Minutes of the 25<sup>th</sup> Meeting of the  
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

18 September 2014:13.30-15.00 hours (Session – I)

18 September 2014:15.30-17.00 hours (Session – II)

Gwangju, Republic of Korea

**Mandate:** The Permanent Committee on Strategy and Organization 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 in their areas.

**Members Present:** (1) Vice President Hon. Dr. Ragab Ragab, Chairman (UK, 2010); (2) Vice President Prof. Tai Cheol, Kim (South Korea, 2011); (3) Vice President Mr. Adama Sangare (Mali, 2011); (4) Vice President Dr. Gerhard Backeberg (South Africa, 2011); (5) Vice President Mr. Laurie C. Tollefson (Canada, 2012); (6) Vice President Dr. Hüseyin Gündoğdu (Turkey, 2012); (7) Vice President Mr. François Brelle (France, 2012); (8) Vice President Dr. Ir. Basuki Hadimoeljono (Indonesia, 2013); (9) Vice President Mr. Kadhim Mohsin Ahmed (Iraq, 2013); (10) Vice President Er A.B. Pandya (India, 2013), and (11) Er. Avinash C. Tyagi, Secretary General, ICID.

**Ex-Officio Members Present:** (1) Dr. Sylvester Mpandeli (South Africa), Chairman, African Regional Working Group; (2) Dr. Laszlo Hayde (Hungary), Chairman, European Regional Working Group; (3) Dr. Karim Shiati (Iran), Chairman, Asian Regional Working Group; (4) Mr. Yaser Barghi (Iran), Chairman, Working Group on Young Irrigation Professionals Forum; (5) Prof. Tai Cheol, Kim (South Korea), Chairman, Committee on Congresses/Conferences and (6) Dr. Victor Dukhovny, Vice Chairman, Working Group on Irrigation and Drainage in States under Socio-Economic Transformation.

**Observers:** (i) Mr. Felix B. Reinders (South Africa), (ii) Mr. Moussa Amadou (Niger), (iii) Dr. Shinsuke Ota (Japan), (iv) Mr. Gao Lihui (China), (v) Mr. Syaiful Mahdi (Indonesia), (vi) Mr. Ismail Widadi (Indonesia), (vii) Ms. Dewi Rahma Yanti Az (Indonesia), and (viii) Mr. Muhammad Refqi (Indonesia).

**PCSO Minutes Item 1: ATR on the Minutes of the 24<sup>th</sup> Meeting of PCSO, Mardin, Turkey, 03 October 2013**

1. The Committee noted the action taken report and expressed its satisfaction.

**PCSO Minutes Item 2: Membership of PCSO and its Workbodies**

2. Based on the recommendations of the various workbodies associated with it, PCSO reviewed their membership and recommended, for acceptance by IEC the changes proposed in **Annex R3.1 (page \_\_\_\_)**.

**PCSO Minutes Item 3: Vice Presidents' reports: Strengthening regional cooperation and activities of National Committees**

3. All the Vice-Presidents informed the Committee of the efforts that they have made during the year to encourage the Associate Members to reactivate their NCs and participate in the activities of ICID. The Committee expressed its satisfaction at the new membership drive being undertaken, particularly in Africa under the leadership of VP Adama Sangare and VP Gerhard Beckeberg. The Committee also noted the efforts being made by VP Laurie Tollefson to rekindle the interest of the NCs from Latin America. VP Laurie Tollefson informed about the meetings that he and other Office Bearers had attended in the LA region particularly The World Farmers' Organization in Buenos Aires in March 2014 and the side event on "Irrigation and Drainage in South Africa" attended by VPH Dr Ragab Ragab and VPH Samia El-Guindy in April 2014 during INOVAGRI in Brazil. It was also informed by VP Tollefson that Cuba is also interested in the activities of ICID but perhaps language is one of the barriers that is inhibiting any concrete action on their behalf. The Committee requested the VPs to continue their efforts in encouraging the NCs from their regions to take active part in ICID activities.

**PCSO Minutes Item 4: Membership of ICID**

**PCSO Minutes Item 4.1: Reactivation of Inactive National Committees (NCs)**

4. The Committee noted that the membership position of ICID is improving slowly. It was pleased to note that the Burkina Faso has become a new member of ICID as informed by the President during the plenary of the IEC. The

Committee also welcomed back the NCs of Tajikistan and Madagascar, who had slipped into Associate Membership status, to once again become active members of ICID.

5. The Committee expressed its concern at the withdrawal of Austrian National Committee w.e.f. 1<sup>st</sup> January 2015 from the membership of ICID. It requested the officials from the NC of Austria to make efforts with the concerned Ministry to convince them to continue the participation of Austria in ICID and not to withdraw.

**PCSO Minutes Item 4.2: Recommendations of the Direct Membership Administering (DMA) – Sub Committee**

6. The Committee noted the report presented by DMA-sub Committee to PFC and recommended to IEC for granting Direct Membership to the following applicants:

Sl. No.	Name of Applicants	Country	Type of Membership Applied for
1.	Er. Tumaini E.R. Mazengo	Tanzania	Individual (Young Professional)
2.	Mr. Naty Barak	Israel	Individual (Retiree)

**PCSO Minutes Item 5: Organizational issues related to IEC, Congresses, Forums and Conferences**

**PCSO Minutes Item 5.1: Report of the Sub-Committee under PCTA to deliberate upon the themes, Topics and Workplans of the various future ICID Events including Congresses and World Irrigation Forums**

7. The Committee recalled that during its last meeting in Mardin, members had raised the concerns at the lack of distinction between the program, work plans and objectives of the WIF and the Congresses and to address this issue, the IEC had established a sub-committee under PCTA to delve into all the concerned issues. The Committee noted with satisfaction that the sub-committee under PCTA is engaged in the efforts to finalize the Themes of the forthcoming WIF and Congress along with the guidelines and proposed workplans. The sub-committee would present its report at the PCTA.

**PCSO Minutes Item 5.2: Report of the Task Force on review of procedures for Adjudication of various ICID awards**

8. The Committee also recalled that during its last meeting in Mardin, it had also raised concerns at the lack of clarity in the scope of WatSave Award and the role that the NCs have to play while submitting the nominations from their countries. The Committee noted that the TF established to look into the same had consolidated the Schemes based on the suggestions by the PoJs from time to time, and the Schemes for WatSave Awards, BPNCA and BPWA would be presented by the TF to IEC.

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

9. The Committee was pleased to note that now the relationship between ICID and other collaborating International Organizations is on an equal footing and PCSO expressed its appreciation for the MoU between ICID and WMO for organizing joint activities. It noted that one such joint workshop has already taken place in April this year. The Committee also appreciated the support of FAO in organizing the training workshop for the Young Professionals during the 65<sup>th</sup> IEC meetings and its continuous collaboration with ICID. The Committee also noted that ICID, as member of the Governing Board of WWC is actively moving the agenda and its visibility in international arena. The Committee also noted the various other activities that ICID has taken with other international organizations.

**PCSO Minutes Item 7: Review of Regional Working Groups**

**PCSO Minutes Item 7.1: African Regional Working Group (AFRWG)**

10. Dr. Sylvester Mpandeli, Chair of AFRWG presented his report to the Committee and noted that the Southern African Regional Irrigation Association (SARIA) has already developed a Capacity Building Strategy, and similar efforts to develop the Capacity Building strategies are on for the l'Association Régionale pour l'Irrigation et le Drainage (ARID), East Africa and North Africa Regions. The joint Strategy for the entire Africa Region is expected to be completed by 2015. The Committee agreed to support the efforts of SARIA, and noted that ICID would be willing to support a Training Workshop for the sub-region. The Committee was informed that the WG is keen to



organize a Regional Conference, either with or without regular IEC meetings in 2017 or 2018 for which the bid will be presented by the next IEC.

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

11. The Chair of ERWG VPH Laszlo Hayde in his report informed that efforts were being made to get Norway involved in the ICID activities as they were present during the 12<sup>th</sup> International Drainage Workshop in St. Petersburg, Russia in June 2014. They informed that Mr. Ian Makin (UK) will be replacing Mr. Peter Lee on the membership of the ERWG. He also informed that ERWG will make efforts to be more active on its website up-dating, etc.

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

12. The Chair of the ASRWG, VPH Dr. Karim Shaiti informed the Committee that Mr. Hayashida (Japan) has been included as a new member of the WG while Mr R .K. Gupta (India) has been admitted as a provisional member. He also informed that a MoU has been signed between TUCID and IRNCID and they have started joint activities under the MoU. The Chair informed that the WG would like to organize the 8<sup>th</sup> Asian Regional Conference along with WIF2. However, SG pointed out that the Agenda of WIF is already full and caution should be exercised in organizing the Regional Conference. The Committee advised that the guidelines presented by Sub-Committee of PCTA on Themes etc. should be followed in this regard.

**PCSO Minutes Item 8: Young Professional Mentorship Programme**

13. Secretary General informed that the mentorship program formulated in 2012 and circulated among the members for voluntary offer to act as Mentors did not get an enthusiastic response. Only two volunteers offered for being Mentors. As such he proposed that the Committee may provide guidance to the CO as how to move forward in the case.

14. The Committee debated various options and means of increasing interaction between Young Professionals and the Senior Professionals. The suggestions varied in terms of continuous mentoring to intermittent contacts to training sessions at the ICID events. The Committee requested SG to revisit the mentorship scheme earlier prepared considering these new inputs and present a revised proposal at the 66<sup>th</sup> IEC meeting in Montpellier, France.

**PCSO Minutes Item 9: Review of Working Groups/Committees under PCSO**

**PCSO Minutes Item 9.1: Working Group on Young Irrigation Professionals Forum (WG-YPF)**

15. The Chair of WG-YPF, Mr. Yaser Barghi presented to the Committee the activities of the Group and informed the changes in the membership of the Group. The WG informed that the members appreciated the scholarships being provided to YPs to join the ICID events.

16. The Secretary General proposed that the WG adage to the name of the workbody should be removed to make the functioning of the workbody less bureaucratic, more dynamic and minimal rules applied to the functioning of WGs. It was also proposed that the membership of the workbody shall be open to all Members, Associate Members and non-Member countries. The Committee recommended that WG-YPF may be converted into an "ICID Young Professionals' Forum", with open membership. There will be a core team to be selected by the Forum participants. The core team can meet during the annual ICID meetings. The core team, assisted by CO should be able to organize various activities around the year. The Central Office was requested to assist in the organization of the YPF.

**PCSO Minutes Item 9.2: Working Group on Irrigation and Drainage in States Under Socio-Economic Transformation (WG-IDSST)**

17. The Vice Chair of WG-IDSST, VPH Dukhovny (presented the report of the WG to the Committee. PCSO noted the contents. The Committee noted that Mr R.K. Gupta from India (direct member) and Eng. Peter Y. Manjuk have been admitted as new members of the WG.

**PCSO Minutes Item 9.3: Committee on Congresses/Conferences (C-CONGR)**

18. PCSO noted the report of C-CONGR presented by its Chair, VP Kim Tai Cheol C-CONGR shared the experiences from the past ICID events and informed that Dr. Luis Rendon Pimentel (MXCID), the representative of MXCID organizing the 23<sup>rd</sup> ICID Congress, is recommended to be the Chair of the C-CONGR from the next year for a period of three years.

**PCSO Minutes Item 10: Any other business**

19. The Committee discussed the issue of Associate Membership in detail. The Committee noted that a number of NCs continue to be the Associate Members for years together. The members desired that there should be a rationalization in the process of recognition of Associate Membership beyond a particular period. SG informed that in many cases, the CO does not even hold the current contact details of the office bearers or aware of their whereabouts as these office bearers of NCs have not responded for years. Under such circumstances, some of these members from whom there is no response, their membership seems to be almost non-existent. SG, however, pointed out that these Associate Members are not getting any financial benefits from ICID and are being provided publications and news only in e-format, without any cost to ICID. After due deliberations, the Committee recommended that the names of the Associate Members with whom CO is unable to maintain any contact and who have not revived their membership for more than 10 years, shall be removed from the list of Associate Members.

20. VPH Dr. Ragab Ragab, while stepping down from the position of the Chair of PCSO, recalled the activities undertaken by PCSO during the last four years of his tenure as Chairman. Chair thanked all the members of PCSO for their unstinting support in meeting the objectives and fulfilling the mandate of PCSO. VPH Dr. Ragab recalled that during this period some important issues had been deliberated upon by PCSO such as broad basing of NCs and opening up of the direct membership by ICID; reviewing of the functioning of the Workbodies; initiating the review of subscription through PFC; rationalizing the structure of various ICID events, etc.

21. The meeting ended with a vote of thanks to the Chair.



Minutes of the 34<sup>th</sup> Meeting of the  
**PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**  
**19 September 2014: 0900-1230 Hours (Session I)**  
**19 September 2014: 1330-1700 Hours (Session II)**  
**Gwangju, Republic of Korea**

**Mandate:** The Permanent Committee for Technical Activities will 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. Mr. Felix B. Reinders, Chairman (South Africa, 2010); (2) Prof. Masayoshi Satoh (Japan, 2012); (3) President Hon. Mr. Peter S. Lee (UK, 2013); and (4) Er. Avinash C. Tyagi, Secretary General, ICID

**Permanent Observers Present:** None.

**Ex-Officio Members Present:** (i) VP Basuki Hadimoeljono (Indonesia), Co-Theme Leader, Strategy Theme – Knowledge; (ii) VP A.B. Pandya (India), Co-Theme Leader, Strategy Theme – Knowledge; (iii) VP Gerhard Backeberg (South Africa), Co-Theme Leader, Strategy Theme – Systems; (iv) VP Dr. Hüseyin Gündoğdu (Turkey), Co-Theme Leader, Strategy Theme – Systems; (v) VP Françoise Brelle (France), Co-Theme Leader, Strategy Theme – Systems; (vi) VP Adama Sangare (Mali), Co-Theme Leader, Strategy Theme – Basin; (vii) VP Laurie C. Tollefson (Canada), Co-Theme Leader, Strategy Theme – Basin and Chair, WG-BIO-ENERGY; (viii) VP Kim Tai Cheol (Korea), Co-Theme Leader, Strategy Theme – On- Farm; (ix) VP Kadhim Mohsin Ahmed (Iraq), Co-Theme Leader, Strategy Theme – On- Farm; (x) VPH Mr. Larry D. Stephens (USA), Chair, C-PR&P and Secretary, PCTA; (xi) PH Prof. Bart Schultz (The Netherlands), Chair, EB-JOUR; (xii) Dr. Kamran Emami (Iran), Chairman, WG-HIST, WG-CAFM & TF-VE; (xiii) PH Peter S. Lee (UK), Chair, WG-POVERTY; (xiv) VPH Franklin E. Dimick (USA), Chair, WG-DROUGHT; (xv) Dr. Ruey-Chy Kao (Chinese Taipei), Chair, WG-SDTA; (xvi) Dr. Sylvain Perret, Chair, WG-ENV; (xvii) VPH Dr. Mark Svendsen (USA), Chair, WG-CLIMATE represented by Dr. Tsugihiko Watanabe, Vice Chairman (Japan); (xviii) Dr. Ragab Ragab (UK), Chair, WG-CROP; (xix) Dr. Samia El-Guindy (Egypt), Chair, WG-PQW; (xx) VPH Mr. Felix B Reinders (South Africa), Chair, WG-ON-FARM and (xxi) VPH Dr. Shinsuke Ota (Japan), Chair, TF- WWF-7.

**Observers Present:** (i) PH Chandra Madramootoo (Canada); (ii) Ms. Aysen Pervin Güngör (Turkey); (iii) VPH Chaiwat Prechawit (Thailand); (iv) Mr. Mehrzad Ehsani (Iran); (v) VPH Hafied A. Gany (Indonesia) and Mr. Ian Makin (UK).

**PCTA Minutes Item 1: ATR on the minutes of the 33<sup>rd</sup> Meeting of PCTA, Mardin, Turkey, 04 October 2013**

1. The Committee noted with satisfaction the ATR on the minutes of the 33<sup>rd</sup> meeting of PCTA.

**PCTA Minutes Item 2: Membership of the PCTA and Workbodies**

2. As the tenure of VPH Er A.K. Bajaj (India, 2008) has ended on completion of his six year term, his membership comes to an end. National Committee of India may be requested to nominate a replacement. The Committee recommended for approval of the nominations of Ms. Aysen Pervin GÜNGÖR by the Turkish National Committee of ICID (TUCID), Dr. Chaiwat Prechawit by the Thailand National Committee (THAICID) and Mr. Mehrzad Ehsani by the Iranian National Committee (IRNCID), for membership of PCTA. Chairman noted that VPH Willem Vlotman (Australia) and VPH Mark Svendsen (USA) have desired to step down from the membership of PCTA. Accordingly, PCTA considered the proposals for its membership and for the membership of various workbodies associated with it and recommended for their approval by IEC as per **Annex R3.1**.

**PCTA Minutes Item 3: Improvement in the functioning of Workbodies**

3. The Committee recommended that the Working Groups should organize mid-session meetings between the two IEC meetings to review the progress on various items under their consideration, through video-conferencing (Web-Ex). The web-meeting will enable those members of the WG, who for some reasons are unable to physically travel to attend IEC meetings, to participate in the activities of the WGs and make their valuable contribution. The organization of such virtual meeting will be assisted by the Central Office.

4. PCTA considered the procedures being followed for accepting the membership of the Working Groups. It was recommended that the candidate members who are unable to attend the meeting may be admitted provisionally and their membership confirmed on the basis of their participation and contribution in the virtual mid-session meeting or through e-mail exchange.

**PCTA Minutes Item 4: Review of the activities of Workbodies under the Strategy Theme – Basin (ST.B)**

**PCTA Minutes Item 4.1: Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)**

5. The Committee noted that the WG-DROUGHT would prepare a final report of the activities of the WG which will be reviewed during the Montpellier meeting of the WG in 2015; so the continuation of the WG for one more year was requested. The Committee noted that the existing WG would be wound up in 2015, and the WG proposed that a new WG focusing on management of ongoing (permanent) water scarcity, whether caused by natural events or human intervention, rather than on (temporary) drought as in the present case, should be set up.

6. The Committee recommended that the term of WG-DROUGHT may be extended for a period of one year up to 2015; and a new WG with a new mandate may be considered to be established based on a Scoping Document, that should be prepared for consideration at the 66<sup>th</sup> IEC Meeting in Montpellier.

**PCTA Minutes Item 4.2: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)**

7. The Committee noted the good work being done by the WG-SDTA. It recommended that the WG should also consider preparing a Webinar or/and e-learning package as an additional means to disseminate its activities. PCTA recommended that the WG may be allocated a suitable time slot for organization of a Workshop during the 66<sup>th</sup> IEC Meeting.

**PCTA Minutes Item 4.3: Working Group on Environment (WG-ENV)**

8. The Committee noted that the final version of the draft report regarding “Life Cycle Assessment (LCA) principles and applications to irrigation systems” was tabled and discussed during the meeting of WG-ENV. The Committee recommended that the proposed publication by the WG may be submitted to Central Office for review by Chairman Reinders and Secretary General to determine the format of the publication.

9. PCTA noted that the present tenure of the WG was only up to 2014. Based on the recommendations of the WG, the Committee recommended that the tenure of the WG be extended for one year and a new WG be established after 2015, based on a Scoping Document. The Committee requested that Dr. Sylvain Perret, Chair, who was keen to retire from the Chairmanship of the WG, to continue as Chairman for one more year and help in developing the Scoping Document for the new WG. The Committee recommended that the WG may be allocated a suitable time slot for organization of a Workshop during the 66<sup>th</sup> IEC Meeting.

**PCTA Minutes Item 4.4: Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)**

10. The WG has prepared a document titled “Adaptive Flood Risk Management” based on the papers submitted at the workshop and county presentations on floods. The draft document was presented during the meeting. The Committee was informed that the document will be peer reviewed and improved by members up to 66<sup>th</sup> IEC meeting in 2015 and the final document will be published by October 2015. The Committee noted that the WG has proposed to organize one-day workshops during the 66<sup>th</sup> IEC Meeting in 2015 (France) as well as 67<sup>th</sup> IEC Meeting in 2016 (Thailand).

11. SG pointed out that recently a number of European countries are withdrawing from ICID membership, perhaps due to the fact that irrigation and drainage activities in Europe are not of major interest to these NCs. SG suggested that WG-CAFM has a special role in continuing to attract the interest of European countries in ICID activities as floods continue to be an issue of great interest in these countries. The Committee recommended that the WG may be allocated a suitable time slot for organization of an International Workshop during the 66<sup>th</sup> IEC Meeting in France. SG pointed out that it would be useful to organize an International Workshop in collaboration with other International Organizations so that there could be a good participation from Europe as well as other parts for which CO will be ready to help the WG. However, since Floods and Droughts are two topics that are proposed to be covered within the sub-themes at the 2<sup>nd</sup> WIF, a separate International Workshop may not be appropriate. Rather, it was suggested that the WG-CAFM should take an active part in the organization of the sub-theme activities of 2<sup>nd</sup> WIF.

**PCTA Minutes Item 4.5: Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)**

12. PCTA noted that the present tenure of the WG was only up to 2014 and that VPH Dr. Mark Svendsen had desired to step down from the Chairmanship of the Working Group. The group proposed for the extension of the term of the WG up to 2017. The Committee was informed that the WG has elected Prof. Watanabe as the Chair, Prof. Wu as the Vice Chair, and Dr. Tian as the Secretary of the WG.

13. Chairman Reinders noted the excellent work being done by the WG. He pointed out that from the discussions during this Congress, it was clear that Climate Change continues to be an important issue for ICID. The Committee recommended that the mandate of the WG be extended for one year up to 2015 and urged the WG Chair to develop a new Scoping Document to extend the tenure of WG-CLIMATE for three more years, subsequently.

**PCTA Minutes Item 4.6: Working Group on Water for Bio-Energy and Food (WG-BIO-ENERGY)**

14. WG-BIO-ENERGY has completed its mandate by bringing out a Technical Report on 'Water for Bio-Energy and Food'. Given the limited number of contributing countries, the document submitted has been considered as a 'Technical Report' and not as an ICID position paper. VP Laurie Tollefson, Chair of the WG, explained the lack of response from the members in the work of the Group, particularly the absence of some of the major countries in submitting the case studies. The WG therefore had recommended that it should be closed.

15. Various members of the Committee, while noting and expressing their concern at the lack of interest shown by members, expressed the importance of the subject; and the need for ICID to be able to develop an understanding among the NCs regarding bio-energy issues so that they are able to understand various facets of Bio-energy production and their impacts on the water availability for food production, participate in the deliberations on the issue of Bio-Energy within the country and contribute in the policy dialogues. It was felt that, to begin with, perhaps there is a need for building awareness among the irrigation professionals on the modes of Bio-energy generation and their impacts.

16. The Committee recommended that the work of the WG so far be brought out as a Technical Report as suggested by the group. However, the Committee decided not to close the WG at this time and recommended that a new Scoping Document be developed to reorient its objectives and the scope of its activities. It recommended that future course of action on the WG may be decided during the 66<sup>th</sup> IEC Meeting in 2015.

**PCTA Minutes Item 4.7: Synthesis Report by Co-Theme Leaders of ST Basin [VP Adama Sangare (Mali) & VP Laurie C. Tollefson (Canada)]**

17. VP Laurie Tollefson, Co-Theme Leader of the Strategy Theme 'Basin' synthesized the activities of the various Working Groups.

**PCTA Minutes Item 5: Review of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)**

**PCTA Minutes Item 5.1: Working Group on Water and Crops (WG-CROP)**

18. The Committee was informed that the WG-CROP had decided to publish a 'Technical Report' by consolidating the contributions from resource persons identified for five topics and that the Chair will now compile these five reports into a single Technical Report, peer review it and present the same in during the 66<sup>th</sup> IEC Meeting in October 2015. The WG requested that, in view of the increasing concern for better management of water resources for irrigation, a Symposium/Workshop on 'Precision Irrigation' may be allowed to be organized during the 2015 IEC Meeting. The WG plans to publish the Workshop results/outcomes. The Committee recommended that appropriate time slot may be allocated for a Workshop on 'Precision Irrigation' to be organized by WG-CROP.

**PCTA Minutes Item 5.2: Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)**

19. The Committee noted that the Group has decided to consider the publication of its various outputs in the form of technical papers in peer reviewed journals. The Group plans to bring out the Manual for SALTMED model software etc. as technical reports, and it is expected that by the end of 2014, five such technical reports would be completed. The Committee was informed that the WG-PQW has desired to organize a Workshop on the "Use of Poor Quality Water" in Montpellier since one of the themes of the 26th European Regional Conference (ERC) is "Wastewater Use in Agriculture". The proposed subthemes could be Policies and Planning, Institutional setup, Low Cost Treatment Technologies, Social Dimensions, Environment and Health Impacts, Finance and Cost Recovery, and Legislations and Regulations.

20. The Committee recommended that a suitable time slot may be considered for the Workshop on 'Use of Poor Quality Water for Irrigation' to be organized by WG-PQW in Montpellier.

21. Considering the number of workshops being proposed for the 66<sup>th</sup> IEC in Montpellier in 2015, the Committee recommended that the Central Office should develop a standard format for proposing workshops during various ICID events. The Chairman suggested that the Sub-Committee on Themes, Topics and Work Plans of Future ICID Events should take a decision on whether a proposed international workshop should fit into the programs of the events in future.

**PCTA Minutes Item 5.3: Working Group on On-Farm Irrigation Systems (WG-ON-FARM)**

22. The Committee was informed that the WG-ON-FARM was the winner of the Best Performing Workbody Award announced at the IEC Plenary and that all the WG members will receive plaques in recognition of their contribution to the activities of the WG. The Committee was also informed that the paper on "Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices" was almost complete and likely to be submitted for publication while another paper on "Micro Irrigation for Small-holders and Greenhouses" has been presented by Prof. Yoshisuke Nakano.

23. The Committee noted that the present tenure of the WG was to be completed by 2014 and that the Group had agreed to develop a Scoping Document for the new mandate and scope of the WG to fit into the new structure of WGs with the name "Working Group on Water Management in Irrigation". The Committee also noted that a core group consisting of Dr. Haile, Dr. Randev, Mr. Abdulla and Mr. Sijapati has been constituted and is expected to complete the Scoping Document by the end of December 2014 and circulate it in January 2015 amongst the members for their comments. The Committee noted that the feedback on the SD would be expected before the end of February and the document would be finalized and submitted by the end of March 2015 to ICID Central office. The Committee further noted that the SD will go through the process of approval and the current members will be invited to confirm their membership in the newly proposed WG and new nominations will be invited from the National Committees for membership.

24. The Committee recommended that the WG may be extended for one year up to 2015 and that a new Scoping Document may be developed for the new WG and presented at the 66<sup>th</sup> IEC Meeting.

**PCTA Minutes Item 5.4: Synthesis report of Co-Theme Leaders of ST On-Farm VP Kim, Tai-Cheol (Korea) & VP Kadhim Mohsin Ahmed (Iraq)**

25. VP Kim reviewed the plans for the ST On-Farm work bodies.

**PCTA Minutes Item 6: Review of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)**

**PCTA Minutes Item 6.1: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)**

26. PCTA noted that the WG is developing the publications titled (i) History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean, (ii) Historical Water Sustainability and (iii) History of Irrigation in South Africa. The Committee also noted the final draft version of the chapters for the book on "Historical Water Sustainability" had been tabled by Chair of the WG-HIST, Dr. Kamran Emami.

27. The Committee also noted the report of the TT set up to work out the objectives, guidelines and procedures to promote and value the historical irrigation structures (TT-HIS). The Scheme for Heritage Irrigation Structures (HIS), as developed by the TT, was also discussed during the meeting of the WG. PCTA noted that during the meeting of the WG, the process of recognition of Historical Irrigation Structures was also discussed and that three members of the Panel of Judges participated in the meeting. It noted that the WG-HIST discussed various issues related to the scope of HIS, particularly with respect to their operational nature and whether the present criteria will be able to maintain the geographical balance in the Register of HIS. The Committee noted that WG-HIST has agreed to provide further inputs to the work of the TT with some new proposals

28. The Committee observed that the nominations were invited from NCs for selection and recognition of the historical irrigation and/or drainage structures as "Heritage Irrigation Structures (HIS)". In response, 29 nominations were received for listing in ICID's Register of World Heritage Irrigation Structures and that 17 of these structures have been recommended by the PoJs for inclusion in the ICID Register of HIS.

29. The Committee noted that the WG is scheduled to complete its mandate in 2014 and that the WG proposes to set up a Core Team to prepare a Scoping Document for the extension of the WG or setting up a new WG, which will be submitted to PCTA in two years. As such the WG requested the Committee for an extension of two years to prepare the Scoping Document for future work. The Committee recommended that the WG mandate be continued for two years.

30. PCTA noted that the WG proposed to organize one-day workshops during the 2015 and the 2016 ICID Meetings and recommended to the organizers of 2015 events to consider allocating suitable time slot for an internal workshop.

**PCTA Minutes Item 6.2: Task Force to Guide ICID Inputs to World Water Forum 7 (TF-WWF7)**

31. PCTA noted that VPH Shinsuke Ota had circulated a draft report of a series of the meetings (relevant to the 22nd ICID Congress and 7th World Water Forum) to all National Committees, Office Bearers, and workbody members including TF-WWF7 for their comments/suggestions and proposed that ICID should take the initiative in thematic process and PCTA was expected to work as the prime mover in this regard, whereas KCID and WGs would provide the required support.

32. The Committee noted with satisfaction the intense exchange of information between the members and the coordination being provided by its Chair Prof. Ota. It was noted that ICID along with KRC is heading the sub-theme 'Water and Food' of 7<sup>th</sup> WWF. The Committee requested all the NCs and WGs to contribute to the development and organization of the sessions under the sub-theme.

33. PCTA was informed that the International Council on Monuments and Sites (ICOMOS), are preparing a scientific and reviewed publication on Water and Heritage to be published as a coffee table book that was also to be made accessible through internet, for release during WWF7 and VPH Shinsuke Ota would contribute on behalf of JNC-ICID an article for the book. Secretary General along with Prof. Kazumi of JNC-ICID are also providing an article introducing the concept of World Water System Heritage Program that has been proposed by ICID to WWC.

**PCTA Minutes Item 6.3: Task Force on Value Engineering (TF-VE)**

34. The Committee was informed that TF-VE during its meeting had organized presentations from Malaysia, Iran and Japan on Value Engineering, and that a Value Engineering website and a DVD on Value Engineering had been produced. The Committee noted that the Value Engineering was getting attention as felt by TF. The Malaysian NC has asked that a Value Engineering workshop be held in Malaysia, and that TF proposes to hold a Workshop on Value Engineering during the 2015 IEC Meeting.

35. PCTA also noted that TF-VE had decided to finalize the Manual on 'Application of Value Engineering in Irrigation and Flood Projects' by the end of its tenure in 2015 and that the manual would include case studies on irrigation, drainage and flood projects. PCTA encouraged members to contribute towards the draft of a value engineering manual for irrigation and drainage projects.

36. The Committee recommended that a suitable time slot may be allocated to the TF to hold an internal Workshop on Value Engineering during the 2015 IEC Meeting.

**PCTA Minutes Item 6.4: Committee on Public Relations and Publications (C-PR&P)**

37. The Committee noted the continued excellent development of the ICID website. The Committee recommended that ICID need not print documents for sale, but they should explore the option of print on demand and charge for the same accordingly.

**PCTA Minutes Item 6.5: ICID Journal Editorial Board (EB-JOUR)**

38. PCTA noted the report of PH Bart Schultz on the ICID Journal including the details of the papers submitted, approved and in progress. The Committee was informed that the trend showed an increase in the number of papers and that about one third of the papers submitted to the ICID Journal were published. It also noted that during 2013, five issues of 144 pages each were published which included papers contributed by 268 authors from 37 countries. The Committee also noted that there were two sponsored special issues and that the journal is now accessible in more than 9,000 libraries. It noted that four new Special Issues would be expected in the upcoming period. These are:

- (a) Special Issue in the regular series with selected papers of the Gwangju Congress;

- (b) Sponsored Special Issue with selected papers, in principle based on Congress papers by authors from Asia;
- (c) Sponsored Special Issue with selected papers in principle based on Congress papers by Korean Specialists;
- (d) Sponsored Special Issue on New Developments on Irrigation in Africa.

39. The Committee noted that the 'Best Paper Award 2014' had been given to Marylou M. Smith and Stephen W. Smith (USA) during the IEC meeting, for their paper titled "*Case Study – Agricultural/ Urban/ Environmental Water Sharing in the Western United States: Can Engineers Engage Social Science for Successful Solutions?*" (Vol. 62, Issue 3, Pages (289-296)).

40. The Committee urged NCs to make use of the provision of five online copies and five copies of ICID Journal for online plus print as per the agreement with the publisher, M/s Wiley, which is in place for the period 2014-2018. The Committee also agreed to the proposal and recommended to provide free on-line access to ICID Journal to 13 young professionals who received ICID scholarships to attend the 22<sup>nd</sup> Congress in Gwangju.

**PCTA Minutes Item 6.6: Synthesis report of Co-Theme Leaders of ST Knowledge VP Basuki Hadimoeljono (Indonesia) & VP A.B. Pandya (India)**

41. The Committee appreciated the synthesis of the Thematic Area "Knowledge" presented in brief by Vice President A.B. Pandya. The Committee noted that a full presentation of the ST Knowledge will be made at the IEC meeting.

**PCTA Minutes Item 7: Review of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)**

**PCTA Minutes Item 7.1: Working Group on the Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)**

42. PCTA was informed that the Chair of WG-POVERTY, PH Peter Lee presented the draft position paper on 'Role of irrigation in poverty alleviation and enhancing livelihoods' which will be completed by him by January 2015. The Committee noted that WG-POVERTY has completed its tenure and mandate in 2014 and hence recommended its closure. The Committee noted that as one of the recommendations of this report, ICID as a member of the Design Group (DG) for Topic 2.1 Water for Food at WWF7 (April 2015), may consider the inclusion of pro-poor interventions, especially innovative multiple use, in the session on 'Modernization of Irrigation Schemes'.

**PCTA Minutes Item 7.2: Synthesis Report by Co-Theme Leaders on ST Schemes VP Gerhard R. Backeberg (South Africa), VP Hüseyin Gündoğdu (Turkey) & VP François Brelle (France)**

43. VP Gerhard Backeberg noted that the WG-POVERTY has completed its mandate and has been closed and with this almost all the current WGs under the ST Schemes have completed their mandates. He noted that new Working Groups are under the process of establishment such as WG-M&R, WG-IDM, WG-DRG, WG-IOA and their Scoping Documents are under development. After the approval from IEC, the National Committees will be approached for nominating members to new WGs. He further urged the work bodies to actively seek young professional participants. He expressed satisfaction at the process adopted for developing Scoping Documents for the new WGs.

**PCTA Minutes Item 8: Newly Proposed Workbodies**

44. The Committee considered the Scoping Documents (SDs) developed for the establishment of the following four new WGs as presented by the chairs of the Core Groups who led the development of the documents.

**PCTA Minutes Item 8.1: Working Group on Modernization and Revitalization of Irrigation Schemes (WG-M&R)**

45. PH Bart Schultz presented the scope and proposed activities of the Working Group on Modernization and Revitalization of Irrigation Schemes as decided by the Core Group based on the informal meeting. PCTA recommended that a new Working Group on Working Group on Modernization and Revitalization of Irrigation Schemes (WG-M&R) with the mandate as given in the Scoping Document may be established and requested NCs to nominate experts dealing with the concerned topics to contribute to the activities of the group.



**PCTA Minutes Item 8.2: Working Group on Institutional Aspects of Irrigation/Drainage System Management (WG-IOA)**

46. VPH Hafied Gany made a presentation based on the draft Scoping Document for the new Working Group on Institutional Aspects of Irrigation/ Drainage System Management (WG-IOA). The Committee recommended that a new Working Group on Institutional Aspects of Irrigation/ Drainage System Management (WG-IOA) with the mandate as provided in the Scoping Document may be established and requested NCs to nominate experts dealing with the concerned topics to contribute to the activities of the group.

**PCTA Minutes Item 8.3: Working Group on Irrigation Development and Management (WG-IDM)**

47. VP François Brelle presented the draft Scoping Document for the new Working Group on Irrigation Development and Management (WG-IDM) developed so far. He noted that the word 'Sustainable' should be added to the title of the WG. The Committee noted that the informal meeting of the Core Group for this new WG did not have sufficient number of participants to have a meaningful discussions as such it was recommended that the Scoping Document be developed further and the proposal for establishing the new WG be presented at the 66<sup>th</sup> IEC Meeting in 2015 in Montpellier.

**PCTA Minutes Item 8.4: Working Group on Drainage (WG-DRG)**

48. Dr. Bernard Vincent, Chair of the proposed new WG presented the Scoping Document for WG-DRG and based on the recommendations of the core group members involved in developing the Scoping Document requested that the name of the Group may be changed to Working Group on Sustainable Drainage (WG-SDG).

49. The committee noted that the new mandate as proposed by the core group is:

- (a) To promote drainage as part of integrated water resources management; and
- (b) To promote sustainable approaches for drainage and related projects through a balanced integration of (1) environmental, (2) economic, and (3) social and cultural aspects.

50. The WG will fulfil its mandate by working on:

- (a) Soil Management and (integrated) water (resources) management.
- (b) Traditional and wise drainage management including
  - (i) Dry drainage and bio drainage,
  - (ii) Arid and semi-arid zones v/s rain fed zones,
  - (iii) Controlled drainage and regulated drainage
- (c) Operation and maintenance,
- (d) Promotion of multi stakeholders approaches,
- (e) Re-use and multiple uses,
- (f) Promotion of risk assessment under global change, and
- (g) Assessment of drainage needs.

51. The Committee recommended that the WG-DRG may proceed as has been proposed and that the WG may be re-christened as Working Group on Sustainable Drainage (WG-SDG) and may be considered to be established in 2013.

**PCTA Minutes Item 9: Report of the Sub-Committee to deliberate upon the themes, topics and work plan of future ICID Events**

52. The Committee considered the report presented by PH Bart Schultz, Chair of the Sub-Committee under PCTA to deliberate upon the Themes, Topics and Work plans of the various future ICID events including Congresses and World Irrigation Forums. It recommended that the Guiding Principles as given in **Annex R3.2, page 27** may be adopted and recommended the following themes and questions to the Council for approval:

**A. European Regional Conference (2015), Montpellier, France****Theme:** Innovate to improve irrigation performances**Topics:** (i) Innovations for smallholders in irrigation; (ii) Wastewater use in agriculture; (iii) Governance of surface water and groundwater**B. 2<sup>nd</sup> World Irrigation Forum (2016), Chiang Mai, Thailand:****Theme:** Water management in a changing world: Role of Irrigation for sustainable food production**Sub-theme 1.** Key actors in balancing water, food, energy and ecology**Sub-theme 2.** Managing impacts of climatic extremes with focus on floods and droughts**Sub-theme 3.** Key and smart actions to alleviate hunger and poverty through irrigation and drainage**C. 23<sup>rd</sup> Congress (2017), Mexico City, Mexico:****Theme:** Modernizing Irrigation and Drainage for a new Green Revolution**Question 60:** Water Productivity: Revisiting the concepts in light of water, energy and food nexus**Question 60.1** Water saving: What is possible, what is not possible?**Question 60.2** Water footprint of crops and derived crop products**Question 60.3** Hydropower generation in irrigation systems: Sharing water and benefits**Question 60.4** Understanding water productivity, water and energy use efficiency**Question 60.5** Water security as incentive for growth and development**Question 60.6** Transferring water out of agriculture: Emerging issues and challenges with respect to food production**Question 61:** State of knowledge of irrigation techniques and practicalities within given socio-economic settings**Question 61.1** Precision irrigation management**Question 61.2** Water use in food value chains**Question 61.3** Modelling and remote sensing for improved irrigation**Question 61.4** Monitor and control systems for irrigation**Question 61.5** Improving surface irrigation under water scarcity**Special Session:** Irrigation techniques with reused water and their impacts**Symposium:** Review of experiences with water users associations (*For the Symposium only country papers will be invited*)

53. The Committee recommended that for the World Irrigation Forums, an International Steering Committee and an International Technical Advisory Committee should be established with members drawn from the host NC and the rest of the members drawn from other ICID National Committees and partner organizations. These committees will be supported by a National Organization Committee. PCTA also recommended that the topics under sub-themes for 2<sup>nd</sup> WIF and the sub-questions may be kept as tentative and finalized only after consideration by the International Technical Advisory Committee of the event so that due consideration to the inputs of our technical partners could be given.

54. The Committee noted that the organizational structure for the Congresses shall continue to be guided by the procedure as laid down in the Handbook of Practices. The Work Plans shall be developed by PH Bart Schultz and presented to the sub-Committee for its consideration and brought forward at the next meeting of PCTA in Montpellier.



Appendices under  
**PERMANENT COMMITTEE ON STRATEGY AND  
ORGANIZATION (PCSO)**

**List of Appendices**

<b>Description</b>	<b>Page No.</b>
<b>Appendix IV:</b> Asian Regional Working Group (ASRWG)	<b>93</b>
<b>Appendix V:</b> European Regional Working Group (ERWG)	<b>95</b>
<b>Appendix VI:</b> Working Group on Young Irrigation Professionals Forum (WG-YPF)	<b>99</b>
<b>Appendix VII:</b> Committee on Congresses/Conferences (C-CONGR)	<b>103</b>
<b>Appendix VIII:</b> African Regional Working Group (AFRWG)	<b>107</b>
<b>Appendix IX:</b> Working Group on Irrigation and Drainage in the States Under Socio-Economic Transformation (WG-IDSST)	<b>111</b>

---

(Minutes of the **Permanent Committee on Strategy and Organization (PCSO)**  
is available at Page No. 77)



**Minutes of the 21<sup>st</sup> Meeting of the  
ASIAN REGIONAL WORKING GROUP (ASRWG)  
17 September 2014, 09.00-10.30 hours [Session I]  
17 September 2014, 11.00-12.30 hours [Session II]  
Gwangju, Republic of Korea**

**Year of Establishment: 1996**

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

**Members Present:** (1) Vice President Hon. Karim Shiati, Chairman, 2006 (Iran, 1997); (2) Vice President Prof. Tai-Cheol Kim, Vice Chairman, 2007 (Korea, 2006); (3) Mr. Sheng-Feng, Kuo (Chinese Taipei, 2001) represented by Ray-Shyan Wu; (4) Mr. S. Siswoko (Indonesia, 2002) represented by Syaiful Mehd; (5) Mr. Wang Xiodong (China, 2008) represented by President Gao Zhanyi (6) Mr. Arthon Suttigarn (Thailand, 2012); (7) Dr. Aynur Fayrap (Turkey, 2012); (8) Ir. Syed Abdul Hamid bin Syed Shuib (Malaysia, 2013); (9) Secretary General Avinash Tyagi represented by Dr. Vijay K. Labhsetwar.

**Members Hon. Present:** (i) Vice President Hon. Dr. Hafied Gany (Indonesia); (ii) Vice President Dr. Huseyin Gudogdu (Turkey)

**Observers:** (i) Masao Miyazaki (Japan); (ii) Naoki Hayashida (Japan); (iii) Hortek Lip (Malaysia); (iv) Kwon Hyung Joong (Korea); (v) Dr. Yooileng (China); (vi) Zhang Yi (China); (vii) Wan Mohd Sulaiman (Malaysia); (viii) Nor Hisham Mohd Ghazali (Malaysia); (ix) Nor Azari Zakaria (Malaysia); (x) Mr. A.B. Pandya (India); (xi) Mohd Adnan Mohd Nor (Malaysia); (xii) Ruey-Chy Kao (Taiwan); (xiii) Tsugihiro Watanabe (Japan); (xiv) Pez Chun Ni (Taiwan); (xv) Kuang-Ming Chuang (Taiwan); (xvi) Gwo-Hsing Yu (Taiwan); (xvii) Zalilah BT Selamat (Malaysia); (xviii) Mohd Azmi Ismail (Malaysia); (xix) Dedy Permadi (Indonesia); (xx) Nanda Kim (Korea); (xxi) Aysen Pervin Gungor (Turkey); (xxii) Byung Sun, Lee (Korea); (xxiii) Mohammad Kiafar (Iran); (xxiv) Ismail Widadi (Indonesia).

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

**ASRWG Minutes Item 1: Action taken report by Chair**

1. The Chairman presented the action taken report and decisions made at Mardin (2013) meeting. The most important being progress of ASRWG-WT on “Contribution of agricultural water to the rural development in Asia”. VP Prof. Tai-Cheol Kim apprised the WT activities (under Item 5).

**ASRWG Minutes Item 2: Membership of the Working Group**

2. The membership of Dr. Rajinder Kumar Gupta (India) as Direct Member was reconfirmed by WAPCOS and was considered. In absence of Dr. Gupta, he was accepted as “Provisional Member” for one year. It is expected that Dr. Gupta will contribute to the WG through email/WebEx during the year to regularize his membership.

3. The Japanese National Committee (JNC-ICID) has nominated Mr. Naoki Hayashida in place of VPH Dr. Shinsuke Ota. Mr. Hayashida was present and after an introductory speech, the WG accepted his membership to the WG. The WG expressed special thanks to VPH Ota for his great contribution to the WG and ICID.

4. Regarding the membership of the fresh countries in the Asian region to ICID and deemed inactive NC’s, VP Dr. Gundogdu apprised the WG about his contacts with Tajikistan and fortunately, Tajikistan now is a member of ICID and is attending the ICID meeting this year. VP Prof. Kim apprised the WG about his intention with Mongolia, North Korea, Lao and Vietnam. Among these, Vietnam is currently an associated member and is expected to be a member of ICID by next year.

5. WG expressed their views regarding improving procedure and requested Central Office to take action in this respect.

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

**ASRWG Minutes Item 3.1: 3<sup>rd</sup> Istanbul International Water Forum**

6. The 3<sup>rd</sup> Istanbul International Water Forum was held in Istanbul in May 2014. ICID was one of the International Technical supporting partner and with cooperation of TUCID arranged a side event to disseminate

the outcomes of WIF1. VP Dr. Huseyin Gundogdu as the panelist of the thematic session apprised the WG about this important event and WIF1 as well.

**ASRWG Minutes Item 3.2: Regional cooperation between TUCID-IRNCID**

7. In Mardin (2013) a MoU was signed between Turkish and Iran NCs. The main objective was to exchange the technical and scientific experiences and achievements in Irrigation and drainage. To begin with, TUCID delegation is expected to visit Irrigation schemes in Iran in October 2014. Chairman requested to improve the regional cooperation among the member countries of the WG.

**ASRWG Minutes Item 3.3: PAWEES 2014 International Conference, October 2014, Taiwan**

8. PAWEES 2014 International Conference titled “Sustainable water and environmental management in Asia” will be held in Kaohsiung in Taiwan in October 2014. Prof. Wu (Taiwan) presented the conference detail through power point and invited participation of WG members.

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

9. VP Prof. Kim apprised the WG about the 2013 PAWEES International Conference and the establishment of PAWEES-ICID collaboration. VP Kim (former Chairman of PAWEES) suggested to develop Terms of Reference (ToR) for PAWEES-ICID cooperation. The WG members expressed their interest in further cooperation with PAWEES and so ToR is developed afterwards.

**ASRWG Minutes Item 5: Work Team on “Contribution of Agricultural Water to the Rural Development in Asia” – Internal workshop**

10. VP Prof. Kim made power point presentation about the activities of newly established ASRWG-WT on “Contribution of agricultural water to the rural development in Asia” since last year. In the 2<sup>nd</sup> Internal Workshop of WT, 3 papers (2 from Korea and 1 from Turkey) were presented. At the beginning of the session, VPH Ota (Chairman of TF-WWF7) presented a concise report of the “Task Force to Guide ICID inputs to 7<sup>th</sup> World Water Forum” with emphasis on ICID-ASRWG contributions.

**ASRWG Minutes Item 6: 8<sup>th</sup> Asian Regional Conference**

11. The 8<sup>th</sup> Asian Regional Conference has to wait up to 2018. However, 8<sup>th</sup> ARC could be held as an “Independent Event” in forthcoming years without IEC. The chair raised this issue and Dr. Vijay Labhsetwar explained that it could not be held with IEC in 2016 and 2017, they being WIF and Congress years.

**ASRWG Minutes Item 7: Publications of the Working Group**

12. The WG proposed to submit the final report on “Contribution of agricultural water to the rural development in Asia” by 2017 and contribute ICID paper on the subject to WWF8 in 2018.

**ASRWG Minutes Item 8: Website of the group**

13. Ten National Committees viz. Australia, China, Iran, India, Japan, Korea, Malaysia, Taiwan, Turkey and Thailand have already established the network linkages. WG requested other country members (Nepal and Pakistan) to join the group. Central Office may follow up this issue.

**ASRWG Minutes Item 9: Any other business**

**ASRWG Minutes Item 9.1: Updating country profile**

14. The Central Office requested the WG/ country members to update the existing old country profiles (available in DropBox). Dr. Vijay apprised the WG regarding the importance of this issue.



**Minutes of the 20<sup>th</sup> Meeting of the  
EUROPEAN REGIONAL WORKING GROUP (ERWG)  
17 September 2014: 09:00-10:30 hours [Session I]  
17 September 2014: 11:00-12:30 hours [Session II]  
Gwangju, Republic of Korea**

**Year of Establishment: 1995**

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

**Members Present:** (1) Vice President Hon. Dr. Laszlo Hayde, Chairman (2010) (Hungary, 2005); (2) Mr. Olli-Matti Verta, Secretary (Finland, 2011); (3) Dr. Marco Arcieri, Italian representative; (4) Dipl.-Ing Frederick M. Cate (Austria, 1998) represented by Dr. Peter Cepuder; (5) Dr. Irina G. Pankova (Russia, 2007), Young Professional represented by Mr. Petra Alexey; (6) Ms. Sabine Seider (Germany, 2011), Young Professional; (7) Dr. (Mrs.) Irena G. Bondarik (Russia, 2012); (8) Dr. Klaus-Dieter Vorlop (Germany, 2012) represented by Dr. Klaus Roettcher; (9) Engr. Francois Brelle (France) represented Dr. Sami Bouarfa; and (10) Secretary General, ICID represented by Dr. Vijay K. Labhsetwar, Director, ICID Central Office.

**Members Hon. Present:** (i) Dr. Gao Zhanyi (China), President, ICID; (ii) VPH Dr. Ragab Ragab (UK).

**Observers:** (i) Mr. Ian Makin (UK); (ii) Ir. Johannes Deelstra (Norway); (iii) Mr. Jaques Plantey (France); and (iv) Dr. Herve Plusquelle (USA).

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

**ERWG Minutes Item 1: Action Taken Report by Chair**

1. The Chairman presented a report regarding actions taken on the decisions during the last meeting of the WG at Mardin (2013).
2. The WG had an interim meeting at St. Petersburg during the 12<sup>th</sup> International Drainage Workshop (IDW). The meeting was well attended. The minutes of the interim meeting were made available during the meeting.

**ERWG Minutes Item 2: Review of the membership of the Working Group**

3. The Federal Ministry of Agriculture, Forestry, Environment and Water Management (Austria) informed the Central Office that the Austrian National Committee of ICID (AUNCID) would be withdrawing its membership by the end of the year 2014. Secretary General Avinash C. Tyagi requested them to review their decision and assured to address the concerns of AUNCID, if any. Since Austria was represented by Dr. Peter Cepuder, Secretary of the NC in this meeting, the WG recommended AUNCID not to withdraw and try to convince the ministry. The Chairman also offered to assist in this issue.
4. VPH Prof. Brane Maticic (Slovenia), Member of ERWG informed of his absence and desired to continue his membership up to next meeting of WG at Montpellier, France in 2015 where he intended to bring some younger members of SINCID for membership.
5. The Dutch and the Estonian NCs also informed the Chairman in advance that they would not be able to attend the meeting.
6. Mr. Ian Makin (UK) replaced PH Peter S. Lee as UK representative in ERWG which was accepted.
7. Mr. Johannes Deelstra (Norway) attended the WG meeting as Observer and informed that he would try to get Norway to become a member of ICID. He would talk to some organization in Norway about the issue.
8. After serving as Chairman of the ERWG since 2010, VPH Dr. Laszlo Hayde (Hungary) would like to step down from the chairmanship of European Regional Working Group (ERWG). Vice President Francois Brelle informed that he would not be able to take over the Chairmanship of ERWG. The ERWG then decided to discuss the issue during the next meeting of ERWG in Montpellier, France in 2015. In this regard, the Irrigation and Water Forum (IWF/ICID.UK) would propose Mr. Ian Makin for the chairmanship of ERWG during the next meeting.

**ERWG Minutes Item 3: Links with regional and trans-national organizations for co-operation**

9. Prof. Klaus Roettcher informed that he would be the Chairman of the Working Group on Decentralized Flood Protection in the DWA, “German Association for Water Management, Waste Water and Waste”.

10. The Chairman invited members to strengthen the links with organizations and asked the WG members to send their feedback, if any, on the interaction or cooperation to Central Office.

**ERWG Minutes Item 4: Dialogue on Water for Food and Environment**

11. During the last meeting of the Group, it was agreed that the ICID-ERWG, Central and Eastern Europe Global Water Partnership (CEE-GWP) and World Wide Fund of Nature (WWF) would continue to co-operate with each other and share invitations for conferences organized by ICID like European Regional Conferences and International Drainage Workshops. The group invited these organizations to 12th IDW held in June 2014 in Russia and will cooperate with them for the 23<sup>rd</sup> European Regional Conference in 2015 in France.

12. The Chairman invited the members to participate in these meetings.

**ERWG Minutes Item 5: Focus Groups of ERWG**

13. After due consideration during the Mardin meeting of ERWG, the Work Teams (WTs) of ERWG have been converted into the following focus groups:

- (i) Focus Group on History (VPH Laszlo Hayde)
- (ii) Focus Group on Poverty Alleviation (PH Peter S. Lee)
- (iii) Focus Group on Environment (Mr. Osmo Purhonen)
- (iv) Focus Group on Drainage (Dr. Irina Bondarik)
- (v) Focus Group on Water Related Risks (Prof. Klaus Roettcher & Mr. Olli-Matti Verta)
- (vi) Focus Group on Project Partnership and Financing (Ir. Leon Winjker)

14. The task of the Focus Groups is to raise the issues related to European viewpoint in the respective Workbodies of ICID and informed the ERWG on the relevant issues within the scope of Focus Groups. The Focus Groups have persons who are contact points for the ERWG and reports activities in ERWG meetings.

15. Further, the Estonian National Committee of ICID (ESTICID), the Finnish National Committee of ICID (FINCID) and the Netherlands National Committee, (NETHCID) could not make their presentations during the meeting as the concerned speakers were not present. These presentations would now be made at Montpellier, France in 2015.

16. Mrs. Irina Bondarik (Russia) of Focus Group on Drainage informed that the name of the WG Drainage would probably be WG on Drainage and Environment, but this would be discussed in PCTA later this week. (*The WG-DRG has since been renamed as WG-SDG (Sustainable Drainage)*). Even though the Focus Groups have been established, Mrs Bondarik wanted to prepare a work plan for EWTDR, replace Dr. Tuluzakov with Mr. Petrov Alexey Yurievich as a Chair of EWTDR and check if there was enough interest among membership and revive EWTDR at Montpellier.

17. Mr. Johannes Deelstra (Norway) informed that his organization arranged a drainage workshop in Norway in 2013. The organizers were to publish a special issue regarding drainage and climate change in 2014 based on 15 articles from this workshop.

18. Prof. Roettcher of Focus Group on Water Related Risks suggested that the ERWG could arrange video conferences 1-2 months before next meeting in Montpellier to discuss what topics would be presented in the next ERWG meeting. The WG could test the video conference e.g. in January, and if it works we could have a video conference in September 2015. The WG decided to do this. Prof. Roettcher made a presentation on “Water Management in Germany”. Mrs. Seidel also made a presentation on “German Irrigation Project SAPHIR”. Both the presentations would be available in the ERWG website.



**ERWG Minutes Item 6: Conferences supported by ERWG****ERWG Minutes Item 6.1: 12<sup>th</sup> International Drainage Workshop, 23-26 June 2014 at St. Petersburg, Russia**

19. Dr. (Mrs.) Irina Bondarik, representative from RuCID, apprised the members on 12<sup>th</sup> IDW and its outcomes. There were 150 participants ( 26 Young Professionals) in the workshop from 27 countries. There were about 100 approved papers in the workshop of which 45 were presented 'orally' and others as posters. There were also two round table discussions during the workshop. There were two interim ICID working group meetings i.e. ERWG and WG-Drainage . There were also three technical tours organized during the workshop.

**ERWG Minutes Item 6.2: 26<sup>th</sup> European Regional Conference (ERC), 11-16 October 2015, Montpellier, France**

20. The 26<sup>th</sup> European Regional Conference (ERC) will be hosted by the French National Committee of ICID (AFEID) during 11-16 October 2014 at Montpellier, France. The theme of the ERC is 'Innovate to improve irrigation performance' whereas sub-themes are – (a) Innovations for smallholders in irrigation; (b) Wastewater use in agriculture; and (c) Governance of surface water and groundwater. Ms Caroline Coulon can be contacted at caroline.coulon@irstea.fr for more details.

**ERWG Minutes Item 7: ERWG Letter Editorial Board**

21. 'ERWG Letter' has ceased to be published since 2011. Instead the Chair proposes to make the WG website stronger by uploading the past presentations.

22. Mrs. Seidel from Germany suggested that we would include European projects in the website. We could also include short descriptions on what each member worked on. The WG decided to do this and include links to their activities. All members should make short descriptions about themselves and their work including links to activities and send it to the Central Office for uploading on the WG website.

**ERWG Minutes Item 8: Publications of the ERWG**

23. The Chairman proposed that it would be a good idea that open source publications, which are relevant to the WG activities, could be collected. All the members and National Committees are requested to share these publications. This is also applicable to workshops. These publications or their links should be sent to the ICID Central Office, to the Chairman and to the Secretaries of the WG for listing in the Annexes/Website.

**ERWG Minutes Item 9: Three-Year Rolling Work Plan**

24. In order to complete the mandate and focus on specific activity, a rolling work plan is necessary. The Chairman would present the 3-year rolling work plan to PCSO.

25. To facilitate interaction among the members, the WG members would use ICID provided facilities such as video-conferencing to communicate in between two annual meetings of the Group.

**ERWG Minutes Item 10: Any other business**

26. The Chairman reminded that the ERWG was established 19 years ago as an initiative of the German National Committee of ICID (GECID), to discuss European issues within the scope of ICID. ERWG will be celebrating its 20<sup>th</sup> Anniversary during the next meeting of ERWG at Montpellier, France in 2015.



**Minutes of the 20<sup>th</sup> Meeting of the  
WORKING GROUP ON YOUNG IRRIGATION PROFESSIONALS FORUM (WG-YPF)  
17 September 2014, 09.00-10.30 hours [Session I]  
17 September 2014, 11.00-12.30 hours [Session II]  
Gwangju, Republic of Korea**

**Year of Establishment: 1993**

**Mandate:** (1) To provide an international platform for young irrigation and drainage professionals and to encourage and promote a high standard of professional development in the subjects of irrigation, drainage and environment, (2) To facilitate the development, acquisition and wider dissemination of knowledge and information about irrigation, drainage, flood management and environment amongst the young professionals, (3) To maintain and enhance links with national and international youth having interests in the related subjects or the activities relevant to ICID objectives, and (4) To educate young professionals about ICID's role, objectives, activities, structure, constitution and By-laws.

**Members Present:** (1) Mr. Yaser Baghi (Iran, 2010), (2) Ir. Fabian Priandani (Indonesia) represented by Ms. Dewi Rahma Yanti (Indonesia); (3) Ms. Hayati Zainal (Malaysia, 2010) represented by Mr Wan Marhafidz, (4) Ms. Ezee G.C. (Nepal, 2012), (5) Dr. Atsushi Marui (Japan), (6) Ms. Pooja Kapoor (Direct Member - India) represented by Mr. C.P. Arora; (7) Mr. Gao Lihui (China, 2011), (8) Mr. Homan Khaledi (Iran, 2009); (9) Mr. Nam Joo Heo (Korea).

**Observers:** (1) Ms. Nooraida Mokhtar (Malaysia), (2) Ms. Fethia Abdullah Ahmed (Ethiopia), (3) Mr. Mphatso Malota (Malawi), (4) Ms. K.W.P. Priyangani (Sri Lanka), (5) Ms. Medhani Ayoma Jayakody (Sri Lanka), (6) Mr. Mortaza Yazdhkhasti (Iran), (7) Dr. Hussein Elgammal (Egypt), (8) Ms. Liza Soraya (Indonesia), (9) Ms. Caroline Coulon (France), (10) Ms. Iuliia Danylenko (Ukraine), (11) Mr. Jeff Shaw (USA), (12) Mr. Alireza Salamat (Iran), (13) Dr. Sung Hee Lee (Korea)

**Website:** <http://wg-ypf.icidonline.org/>

**WG-YPF Minutes Item 1: Action taken report by Chair**

1. The chairman briefed the members on the activities of the WG, new memberships and the mentorship programme etc.

**WG-YPF Minutes Item 2: Review of the membership of the working group**

2. A new nominee from KCID, Mr. Nam Joo Heo (as replacement of Dr. Sung Hee Lee) joined as a member of the working group and was present at the meeting.

3. Ms. Pooja Kapoor from India was not present but was represented by Mr. C.P. Arora. Ms. Hayati Zainal from Malaysia was also not present but was represented by Mr. Wan Marhafidz. Ir. Fabian Priandani from Indonesia was not present but was represented by Ms Dewi Rahma Yanti an Indonesian delegate. Mr. Piyush Ranjan from India, Ir. Muhammad Ejaz Tanveer from PANCID and Dr. Yacob Beletse from South Africa were neither present nor represented.

4. The following nominations for the memberships were accepted/ deferred:

S. No.	Members	Country	Accepted/ Deferred
1.	Mr. Nam Joo Heo in place of Dr. Sung Hee Lee	Korea	Accepted
2.	Engr. Muhammad Ejaz Tanveer	Pakistan	Deferred

5. Dr. Labhsetwar suggested all the attendees present during the meeting should connect with their respective National Committees.

**WG-YPF Minutes Item 3: Review of the progress made by the National Committees in establishing Young Professionals Forum (YPF)**

6. YPs attending the meeting reported on the status of YPF establishment in their respective countries. Among the countries who attended this meeting- Iran, China, Japan, Korea, Malaysia, Indonesia and Egypt already have their YPFs at national level, whereas Ethiopia, Malawi, Sri Lanka and France would pursue the establishment and development of YPFs in their countries.

**WG-YPF Minutes Item 4: Establishment of a Network of Young Professionals through development of a web-based platform**

7. It was announced by the chair that an alternative social media platform, a new LinkedIn profile was created for the WG. Mr. Gao from China and Mr. Yaser from Iran volunteered to post and update contents onto both the existing Facebook page and LinkedIn profiles. The chair also requested the participants to give inputs of events or something to share that would be of interest to the others by emailing the contents to the two assigned persons.

**WG-YPF Minutes Item 5: Establishment of a Mentorship program in National Committees**

8. The chair asked for comments regarding the mentorship programme. The attendees shared their versions of a mentorship programme in their own respective working environment. It was recognized that mentorship is practiced in different ways, either one to one or one to many. The importance of having such a programme was emphasized by the attendees. It was also mentioned that it would be useful to have the mentorship programme at the international level to facilitate YPs who would like to reach out to further their studies or seek out experts to help them. The chair would follow-up with the central office regarding further developments of the programme.

**WG-YPF Minutes Item 6: Activities of YPF members**

9. The chair encouraged the attendees to introduce ICID-YPF to their professional network and to encourage them to participate in the activities, submit papers for publication in the ICID journal and entering the WatSave Award competition. Some delegates reported briefly on the current status and activities of their YPF groups.

**WG-YPF Minutes Item 7: Publications of the working group**

10. The concept of publishing a book comprising of biographies of senior experts in Irrigation & Drainage sector was well-received by the attendees. Ms. Ezee from Nepal and Mr. Mortaza (Iran) volunteered to follow-up on this task and approach NCs for nomination of few senior successful experts through the ICID Central Office.

**WG-YPF Minutes Item 8: 12<sup>th</sup> International Drainage Workshop – Participation of young professionals**

11. The WG expressed their gratitude to the ICID and RuCID for their support to the YPs for enabling them to attend the 12<sup>th</sup> IDW.

**WG-YPF Minutes Item 9: Scholarship to young professionals for attending ICID events - 22<sup>nd</sup> Congress, September 2014, Gwangju, Republic of Korea**

12. The attendees were informed about the procedure for the award of the scholarship and expressed gratitude for the kind consideration and financial support by ICID.

**WG-YPF Minutes Item 10: Three-year work plan**

13. It was suggested that the group would focus on a 1-year plan between the two consecutive annual events. Representatives from France, Japan and Malaysia volunteered to work on the work plan for the year ahead.

**WG-YPF Minutes Item 11: Special Session on “Way forward for young water professional”**

14. The chair explained that because of tight schedule, the group was not able to hold this special session.

**WG-YPF Minutes Item 12: Introduction to the 7<sup>th</sup> World Water Forum, Daegu & Gyeongbuk, Republic of Korea 2015**

15. Dr. Sung Hee Lee gave a briefing about the 7th World Water Forum which will be held from 12-17 April 2015 in Korea and highlighted the possible ways for YPs to contribute i.e. by attending the four processes of the main event and attending the side events. The chair would follow-up with WWF7-TF of ICID on further involvement of the YPs in the WWF7.

**WG-YPF Minutes Item 13: Any other business****WG-YPF Minutes Item 13.1: Updating ‘Basic Information’ for ICID website**

16. The chair requested the members to contribute and update the Basic Information section on the ICID website.

**WG-YPF Minutes Item 13.2: Changing the format of Working Group into a Forum**

17. The WG was honored with the presence of the Secretary General, Mr. Avinash Tyagi. He elaborated on the efforts of ICID Central Office in encouraging the involvement and participation of YPs. In order to enable more participation, it was proposed that the format of the WG be changed into an open Forum with less restrictions on the membership. This idea was collectively agreed by the members. The Working Group welcomed the idea of an ICID Young Professional’s Forum (YPF) and suggested that the present Working Group could act as the Core Team managing the open forum.

**WG-YPF Minutes Item 13.3: Encouragements by the ICID President**

18. The WG was honored with the presence of the President of ICID, Dr. Gao Zhanyi who gave words of encouragements and wisdom. The WG appreciated the support of the President and Secretary-General.



**Minutes of the 25<sup>th</sup> Meeting of the  
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)  
17 September 2014, 13.30-15.00 hours [Session I]  
17 September 2014, 15.30-17.00 hours [Session II]  
Gwangju, Republic of Korea**

---

**Year of Establishment: 1990**

---

**Mandate :** To recommend general improvement in conduct of Congresses/Conferences sessions; to recommend tasks and duties for General Reporters and Panel of Experts for Congress Questions and Special Session; to study and establish, if needed, the basic guidelines for recommending the tasks and responsibilities of National Organizing Committees; to establish appropriate procedures for selection of Congress Questions, Special Sessions and Symposia; to establish procedures for scheduling of most appropriate workshops, seminars, etc. to be held at the time of Congress; to make recommendations on the number and type of simultaneous meetings at Congresses/Conferences in order to improve effectiveness and attendance; to study and accord advice to the National Committees, for methods to adopted in each case for an effective follow-up of the Conclusions and Recommendations of Congresses/Conferences; and to make recommendations on printing the proceedings for distribution of abstracts in advance.

**Members present:** (1) Vice President Prof. Kim, Tai-Cheol (Korea, 2012), Convener; (2) Mr. Mehrzad Ehsani, Iranian representative; (3) Dr. (Mrs.) Irene Bondarik, Russian representative; (4) Ms. Caroline Coulon, French representative; (5) Dr. Aynur Fayrap, Turkish representative; (6) Dr. Luis Rendon Pimentel, Mexican representative; (7) Dr. Arthon Suttigarn, Thai representative; and (8) Dr. Vijay K. Labhsetwar, ICID Central Office, representing Secretary General.

**Members Hon. present:** Dr. Gao Zhanyi (China), President, ICID.

**Observers:** (i) Mr. Sunho Kim (Korea); (ii) Mr. Syaiful Mahdi (Indonesia); (iii) Ir. Namjoo Heo (Korea); (iv); Ir. Saravjeet Singh (India); and (v) Ir. Mortaza Yazdkhasti (Iran).

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

---

**C-CONGR Minutes Item 1: Action taken report by Convener**

1. Vice President Prof. Kim, Tai-Cheol welcomed all representatives to the C-CONGR meeting and informed that the concerned National Committees were contacted for feedback and future planning of the ICID events. The events have been updated on the ICID website.

**C-CONGR Minutes Item 2: Membership of the Committee**

2. No new members were admitted to the Committee. However, Dr. Luis Rendon Pimentel, President of MXCID will be the new Convener of the C-CONGR from 2015 to 2017 as the next congress will be hosted by Mexico.

**C-CONGR Minutes Item 3: Overview of the Gwangju (Republic of Korea) meetings (14-20 September 2014)**

**C-CONGR Minutes Item 3.1: 22<sup>nd</sup> ICID Congress and 65<sup>th</sup> IEC Meetings**

3. Mr. Sunho Kim (Korea), representative from Korea briefed the Committee on the overview of 22<sup>nd</sup> ICID Congress and 65<sup>th</sup> IEC Meeting at Gwangju, Korea. He informed that the organizational structure of the Congress was made of National Organizing Committee (NOC), Steering Committee (SC), and six Work Teams (WTs). Seven NOC meetings, 3 Steering Committee meetings, 2 Preparatory Workshops and several Work Team meetings were held towards preparing for the congress. To promote the congress, Korean Nights in Australia and Turkey and NC displays in Australia, Turkey and Russia were organized.

4. As a result, he informed, the Congress was attended by 1,348 participants, out of which 413 were foreign participants, from 61 countries. More than 340 abstracts and 290 full length papers/posters were received. In all, 140 papers and 88 posters from 42 countries were discussed during the Congress Sessions.

5. The Committee was informed that the Gwangju Congress was graced by several VIPs and ministers from around the world: (i) Minister of Agriculture, Food, and Rural Affairs, Korea; (ii) Minister of Agriculture, Uganda; (iii) Minister of Foreign Affairs, Mongolia; (iv) Vice Minister of Water resources, China; (v) Vice Minister of Agriculture and Water, Uzbekistan; (vi) Director General of Royal Irrigation department, Thailand; (vii) Ambassador of Myanmar

to Korea; (viii) Mayor of Gwangju Metropolitan City; (ix) Governor of Jeonnam Province and (x) several Law makers of National Assembly of Republic of Korea.

6. Mr Sunho informed that several short technical and cultural tours were also organized for the delegates and accompanied persons.

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

**C-CONGR Minutes Item 4.1: Feedback from First World Irrigation Forum (WIF1) and 64<sup>th</sup> IEC Meetings, Mardin, Turkey in 2013**

7. Dr. Aynur Fayrap, representative from TUCID informed about the First Irrigation Forum (1<sup>st</sup> WIF) and 64<sup>th</sup> IEC Meeting which was held from 29<sup>th</sup> September to 05 October 2014 at Mardin, Turkey. The WIF1 was successfully attended by 340 participants from Turkey and 410 persons from 61 countries. Among the delegates, about 136 participants or 18% were young professional. There were 12 International organizations that were involved in the conference.

8. The other issues brought forward were as below: (a) Communication - Mardin being quiet far from the central city Istanbul, transportation was an important factor in the event organization. Turkish officials mentioned that there was a little miscommunication between organizers and Ministry of Aviation & Transport. They were informed well in advance about the event and they assured organizers that it will be handled with priority but there were few glitches due to miscommunication (b) Mardin being a relatively small city, size of the convention centre - hotels were small and therefore the venue for various events scattered (c) Entertainment facilities - There were also no other recreational facilities due to cultural constraints of Turkey and (d) Security - Another major issue was security concerns. Mardin being very close to Syrian border, lots of countries were on high alert for not travelling to Turkey. These were some of the problems affecting the attendance.

**C-CONGR Minutes Item 4.2: 12<sup>th</sup> International Drainage Workshop (IDW), 23-26 June 2014, St. Petersburg, Russia**

9. Dr. Irene Bondarik, representative from Russia apprised the members on the 12<sup>th</sup> International Drainage Workshop (IDW) which was organized and hosted by the Ministry of Agriculture of the Russian Federation and the National Committee on Irrigation and Drainage (RuCID) during 23-26 June 2014 at Saint Petersburg, Russia. The theme of the workshop was "Drainage on Waterlogged Agricultural Areas". There were 7 sub-themes. The venue of the workshop was Pushkin, St Petersburg's Kochubey palace. In all, 180 persons with 18 young professionals participated. There was no problem in organizing the workshop except the issuing of VISA in case of some countries.

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

**C-CONGR Minutes Item 5.1: 66<sup>th</sup> IEC and 26<sup>th</sup> ERC, 11-16 October 2015, Montpellier, France**

10. Ms. Caroline Coulon, representative from France explained the Committee about the preparations made and detailed planning of the 66<sup>th</sup> IEC Meeting and 26<sup>th</sup> ERC to be held from 11-16 October 2015 at Montpellier, France. The main **theme** of the Conference which was later approved by IEC is: "**Innovate to improve irrigation performances**" and the **sub-themes** are: (a) Innovations for smallholders in irrigation: (b) Wastewater use in agriculture; and (c) Governance of surface water and groundwater.

11. Ms. Coulon informed about the details of the transportation and registration fee of the meeting. Plenty of hotels of big size and numbers are easily available near the venue. It is well connected by road, rail and air network. Montpellier is a small city, so it can be covered easily by walking. Le Corum Convention Centre is located in the central part of city and easily accessible.

**C-CONGR Minutes Item 5.2: 67<sup>th</sup> IEC and 2<sup>nd</sup> World Irrigation Forum (WIF2), Chiang Mai, Thailand, November 2016**

12. Dr. Arthon Suttigarn, representative from THACID reported the progress in the preparation for the 2<sup>nd</sup> World Irrigation Forum and 67<sup>th</sup> International Executive Council Meeting in Chiang Mai, Thailand. The tentative dates of the meetings are 06-12 November 2016. The organizers are planning: (a) To establish a National Organizing Committee (NOC); (b) To develop time bound action plan and budgeting; (c) To initiate and develop linkages with leading national and international organizations in water sector in November 2014; and (d) To bring out an announcement with main themes and sub-themes. Later, IEC took the decision and requested for establishing an International Technical Advisory Committee for 2<sup>nd</sup> World Irrigation Forum.

13. The theme and sub-themes of WIF2 were later approved by IEC and are as follows: **Theme:** Water management in a changing world: Role of Irrigation for sustainable food production. The tentative sub-themes are

(a) **Sub-theme 1:** Key actors in balancing water, food, energy and ecology; **Sub-theme 2:** Managing impacts of climate extremes with focus on floods and droughts; and **Sub-theme 3:** Key and smart actions to alleviate hunger and poverty through irrigation and drainage. The details of the sub-themes will be further discussed and approved by the International Technical Advisory Committee.

**C-CONGR Minutes Item 5.3: 13<sup>th</sup> International Drainage Workshop, Ahvaz City, Khuzestan Province, Iran, 2017**

14. Dr. Mehrzad Ehsani, representative from IRANCID, apprised the Committee about the preparations and planning of the 13<sup>th</sup> International Drainage Workshop (IDW) to be held in 2017 at Ahvaz City, Khuzestan Province, Iran. He showed a video film of the city of Ahvaz. The theme of the workshop is “Drainage and Environmental Sustainability”. The sub-themes of the workshop are: (a) Measures to lower volume of drainage water; (b) Measures to improve drainage water quality; (c) Adaption of new design criteria in favour of the environment; and (d) Application of alternative drainage methods.

15. Dr. Ehsani shared the reason and vision behind choosing Ahvaz City, Khuzestan, most of the drainage projects being located in this region as 58% drained area of Iran is in Khuzestan province.

**C-CONGR Minutes Item 5.4: 23<sup>rd</sup> Congress and 68<sup>th</sup> IEC and Congress, Mexico City, Mexico, 8-14 October 2017**

16. Dr. Luis Rendon Pimentel, President of MXCID reported that MXCID is the host of 23<sup>rd</sup> ICID Congress and 68<sup>th</sup> IEC to be held during 8-14 October 2017 at Mexico City, Mexico. He presented a video to show the venue of the Congress and Mexico City.

17. The theme and questions of the Congress, Special Session and Symposium were later approved by IEC and are as below:

<b>Theme:</b>	Modernizing Irrigation and Drainage for a new Green Revolution
<b>Question 60:</b>	Water Productivity: Revisiting the concepts in light of water, energy and food nexus
<b>Question 61:</b>	State of knowledge of irrigation techniques and practicalities within given socio-economic settings
<b>Special Session:</b>	Irrigation techniques with reused water and their impacts
<b>Symposium:</b>	Review of experiences with water users associations

**C-CONGR Minutes Item 6: Website of C-CONGR**

18. The Convener suggested to access the C-CONGR websites at <http://c-congr.icidonline.org> for more information on ICID events.

**C-CONGR Minutes Item 7: Any other business**

19. The meeting ended with thanks to Vice President Prof. Kim, Tai-Cheol (Korea) for being convener of the C-CONGR from 2011 to 2014.



**Minutes of the 25<sup>th</sup> Meeting of the  
AFRICAN REGIONAL WORKING GROUP (AFRWG)  
17 September 2014, 09.00-10.30 hours [Session I]  
17 September 2014, 11.00-12.30 hours [Session II]  
Gwangju, Republic of Korea**

**Year of Establishment: 1994**

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

**Members Present:** (1) Dr. Sylvester Mpandeli, Chairman (South Africa, 2013); (2) Vice President Hon. Dr. Samia El-Guindy (Egypt); and (3) Secretary General Avinash Tyagi represented by Mr. Madhu Mohanan.

**Members Hon. Present:** (i) President Dr. Gao Zhanyi (China); (ii) Vice President Hon. Felix Reinders (South Africa); (iii) Vice President Dr. Gerhard Backeberg (South Africa); (iv) Vice President Eng. Adama Sangare (Mali)

**Observers:** (i) Prof. Nozar Ghahreman (Iran); (ii) Mr. Abubakar Sambo Adamu (Nigeria); (iii) Eng. Muhammad Sani Bala (Nigeria); (iv) Mr. Thubelihle Andrew Thebe (Zimbabwe); (v) Mr. Jacques Plantey (France); (vi) Mr. Coulibaly Remi (Burkina Faso); (vii) Mr. Zangre B.V.C. Adolphe (Burkina Faso); (viii) Mr. Frédéric Dabire (Burkina Faso); (ix) Mr. Traore Youssouf (Burkina Faso); (x) Mr. Maurice Roos (USA); (xi) Mr. Ouango D. François (Burkina Faso); (x) Mr. Moussa Amadou (Niger).

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

**AFRWG Minutes Item 1: Action taken report by Chair**

1. The Chairman of the African Regional Working Group (AFRWG) Dr. Sylvester Mpandeli welcomed all the participants and requested all participants to introduce themselves.

**AFRWG Minutes Item 2: Review of membership of the group and countries**

**AFRWG Minutes Item 2.1: Membership of the group**

2. VP Dr Backeberg informed that Engr. Bamba the vice chair is now employed outside Mali and can no more attend ICID meetings. A recommendation was made to elect a new Vice Chairman of the group. It was stated that the group also needs to elect a Secretary during the meeting. It was also highlighted that the Egyptian National Committee on Irrigation and Drainage (ENCID) has been inactive on the AFRWG for the past two years due to political situations in the country. In terms of the rules, Engr. R Daluti from the Republic of Tanzania has ceased to be a member of the AFRWG. The Tanzanian National Committee on Irrigation and Drainage (TANCID) is now requested to nominate a representative to the group. VPH Felix Reinders reiterated that African countries that are members of the ICID should nominate a representative to join of the AFRWG. It was recommended that gender balance be introduced into the AFRWG with increased participation of Egypt, Zimbabwe and Nigeria.

3. Nigerian National Committee (NINCID) had nominated Engr. Joe Kwanashie for the membership of the group. Representative of NINCID was present at the meeting and the group accepted his nomination.

4. VPH Dr. (Mrs.) Samia El-Guindy suggested that Central Office (CO) should invite active member countries of ICID from Africa to nominate representatives to the AFRWG. However, Mr. Madhu Mohanan stated that Central Office has been contacting regularly and will repeat the efforts in future too.

**AFRWG Minutes Item 2.2: Membership of African countries**

5. Correction in the agenda point 3 under item 2.2 to replace the name Botswana with Lesotho. Engr. Adama Sangare encouraged the dissemination of specific information to members and potential members of the AFRWG to attend meetings. It was highlighted during the meeting that Nigeria has reactivated its membership of ICID, along with Madagascar and Burkina Faso. However, it was noted that there was no progress for membership from Uganda, Ghana, Angola, Ivory Coast, Kenya, Libya, Algeria, Tunisia, Senegal and Sudan. VPH Dr. El-Guindy, a representative from Egypt agreed to contact the persons for North Africa regional block. She also agreed to encourage reactivation and establishment of ICID National Committees in North Africa. Mr. Madhu Mohanan indicated that if there is some difficulty in establishing National Committee, as an interim measure could be by joining



individuals as ‘Direct Members’ of ICID. VP Dr Backeberg reiterated to ensure for the development approach of National Committees in Africa, it is necessary to have a National Committee being established or reactivated.

6. During the meeting, it was noted that ARID now has a new chairperson. Mali, Niger, Nigeria, Chad, Burkina Faso are the five active members of ICID in West Africa region. Ten countries including the above five mentioned attended a Water General Assembly in West Africa. VPH El-Guindy stated that there was no formal association of ICID in North Africa but there was indirect cooperation through regional water partnership. Egypt will lead the efforts to establish a Northern Africa Regional Association.

7. Dr. Backeberg also stressed the need to establish contact with East Africa. Dr Backeberg requested the chairperson of ARID, SARIA and Dr. Conrade Zawe to lead in establishing contact with East Africa. Zimbabwe and the Republic of Tanzania respectively and ensure that they were encouraged to make effort on hosting the 4<sup>th</sup> African Regional Conference. ARID highlighted its interest in hosting the event. Dr. El-Guindy from Egypt stated that there would be an Arab Water Forum to be held in December 2014 in Egypt where a regional meeting of North Africa association of ICID would also be held. Dr. Backeberg encouraged Dr El-Guindy to invite the chairpersons of SARIA and ARID.

8. Mr Thebe from Zimbabwe encouraged the establishment of a young professional network in East Africa through the sponsored young participant from Ethiopia. Secretary General Avinash Tyagi encouraged African countries to consider having the 4<sup>th</sup> African Regional Conference being held as an African Irrigation Forum that could feed into the 2<sup>nd</sup> World Irrigation Forum.

**AFRWG Minutes Item 3: Progress on implementation of the action program for Africa**

**AFRWG Minutes Item 3.1: Developments in Irrigation and allied issues**

9. Secretary General Avinash Tyagi encouraged the sharing of policy documents being developed in member countries with Central Office. The Chairman, Dr. Sylvester Mpandeli stated that regional information sharing was also essential and encouraged members to circulate such information.

**AFRWG Minutes Item 3.2: Strategy for capacity building in Africa**

10. Dr. Mpandeli highlighted that he only received response from ARID in the development of the regional capacity building strategy. He stated that the SARIA Capacity Building Strategy could be used as the springboard of the African strategy. Dr. Mpandeli gave a presentation of the proposed African Regional Capacity Building Strategy. Dr El-Guindy indicated that the Nile Basin countries had a training strategy that could be added into the proposed capacity building strategy. She also indicated that Egypt has a training Centre that is run jointly with UNESCO-IHE. It was agreed that by the 1<sup>st</sup> of December 2014, other regional association could make input into the African Regional Capacity Strategy. Dr. El-Guindy made input on the inclusive water for aquaculture in the Regional Capacity Building Strategy. The Chairman announced that the African Regional Capacity Building Strategy should include work plans that should be ready as a first draft by the 1<sup>st</sup> of April 2015 after the submission from the regions by the 1<sup>st</sup> of December 2014.

**AFRWG Minutes Item 4: Publicizing working group’s activities through a Newsletter and other International publications**

11. It was agreed that all members of the AFRWG will submit reports on any events or activities that they share such information with other members within the ICID forums and these reports could be circulated through the Chairman. It was agreed that by the group that Engr. Sangare would prepare and submit a report on the 3<sup>rd</sup> African Regional Irrigation Conference in Mali in 2011 by the 1 December 2014. President Gao Zhanyi expressed his appreciation at the organization of the 3<sup>rd</sup> African Regional Conference and the active participation of those present. He stated that Africa is the greatest demand for the development of water storage and irrigation infrastructure. He emphasized the need to revitalize irrigation schemes to improve production/productivity and hoped Africa will manage to organize 4<sup>th</sup> African Regional Conference.

**AFRWG Minutes Item 5: Exchange of information (video/audio conferencing)**

12. VPH Felix Reinders stated that teleconference is a cost-effective manner of meeting that is applicable to the financially constrained African continent. It was agreed to take up this technological approach.

**AFRWG Minutes Item 6: Website of the working group**

13. Members were encouraged to submit information related to irrigation and drainage in Africa to be uploaded on the website of the ICID/AFRWG. It was clarified by VPH Reinders that there is a difference between DropBox and website of AFRWG; as DropBox covers only the invited groups and website is for public domain.

**AFRWG Minutes Item 7: Any other business**

14. Dr El-Guindy encouraged African countries to participate in the ICID 2015 meeting on the theme “Wastewater use in agriculture”. Dr. Mpandeli supported that South Africa will participate. Mr Thebe encouraged African countries to prioritize wastewater as a resource primarily for agriculture due to inadequate freshwater supplies in the region. Secretary General of the Nigerian National Committee on Irrigation and Drainage (NINCID) stated that African countries should focus more on involving young professional who will later move into other working groups after gaining experience.

**AFRWG Minutes Item 7.1: Updating country profile**

15. Members are encouraged to update their country profile to allow Central Office to compile and disseminate the information.



**Minutes of the 5<sup>th</sup> Meeting of the  
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER  
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)  
17 September 2014, 09.00-10.30 hours [Session I]  
17 September 2014, 11.00-12.30 hours [Session II]  
Gwangju, Republic of Korea**

**Year of Establishment: 2009**

**Completion of the Mandate: 2015**

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

**Members Present:** (1) Vice President Hon. Prof. Victor A. Dukhovny, Vice Chairman (Uzbekistan, 2009); (2) Dr. Katsuyuki Shimizu (Japan, 2013); (3) Secretary General Avinash Tyagi represented by Mr. Madhu Mohanan.

**Observers:** (i) Dr. Hussein El-Gamal (Egypt); (ii) Mr. Mohmmad Sadegh Jafari (Iran); (iii) Mr. Jintaek, Kim (Korea); (iv) Engr. Peter Yakubu Manjuk (Nigeria); (v) Ryabtsev Anatoly (Kazakhstan); (vi) Sandor Szalai (Hungary); (vii) Prof. Kireycheva Liudmila (Russia); (viii) Glazunova Irina (Russia); (ix) Prof. Yurchenko Irina (Russia); (x) Mr. Bahrom Gafarov (Tajikistan); (xi) Ms. Iuliia Danylenko (Ukraine); (xii) Mr. Kamolidinov Anvar (Tajikistan); (xiii) Mr. Baratov Rustam (Tajikistan); (xiv) Mr. Solovyev Alexander (Russia); (xv) Mr. Berlizov Dmitriy (Russia); (xvi) Zalkip Kurbanov (Russia); (xvii) Mr. Sadegh Javadi (Iran); (xviii) A Petronv (Russia).

*VPH Victor A. Dukhovny, Vice Chairman (Uzbekistan) chaired the meeting since Chair Prof Kovalenko (Ukraine) had informed that he would not be able to attend Korea meetings this year.*

**WG-IDSST Minutes Item 1: Action taken report by Chair**

1. VPH Prof. V.A. Dukhovny informed the WG that Chairman Prof. Peter Kovalenko together with him provided proper guidance for uniting forces of the WG, United Nations Economic Commission for Europe (UNECE), Eastern Europe, Caucasus and Central Asia (EECCA), INBO network, GWP Central Asia and Caucasus (CACENA) for organizing events of common interest. They worked towards the development of modern approaches to strengthening the capacity of water and irrigation organizations in states that are going through transition especially on the territory of Newly Independent States (NIS) countries. Prof Dukhovny referred to the return of Tajikistan to ICID family and welcomed the representatives of this state to the ICID meetings.

2. A big event was organized in October 2013 in Moscow under the umbrella of EECCA INBO network with participation of GWP CACENA and WG-IDSST, where Prof. Kovalenko made a speech in which more than 200 representatives from 11 states participated.

3. The Chairman later reviewed the action taken report and decisions made at Mardin (2013) meeting.

**WG-IDSST Minutes Item 2: Review of the membership of the working group**

4. WAPCOS (India) Limited had reconfirmed the nomination of Mr. R.K. Gupta (DM) for the membership of the group. Unfortunately Mr. Gupta neither participated in the meeting nor represented. Nomination of Mr. Gupta was therefore accepted as "Provisional member" for one year. His membership will be regularized upon his active participation via e-mail/WebEx during the year.

5. The Secretary General of Russian National Committee (RuCID), Mrs. Irena Bondarik informed the WG that former member of WG from Russia Mr. Vladimir Kundius is to be replaced by Dr. Alexander Soloviev, Chairman of Regional Irrigation Systems in Russia. Dr. Alexander presented his CV to Chair and presented a brief report. The WG agreed to recommend his membership.

6. Representative of Nigeria, Mr. Peter Yakubu Manjuk presented the situation of irrigation in his country as "Poor state in rich country" and expressed interest in joining the WG. Since he was nominated by the Nigerian National Committee (NINICID) and also present in the meeting, the WG agreed to recommend his membership.

7. VPH Dukhovny also informed that he has issued letters to all potential interested parties (not only NIS states) for joining WG-IDSST. The Chairman thanked the representatives of Kazakhstan, Tajikistan and Nigeria for their participation and requested them to send nominations to ICID Central Office with brief resume.

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

8. The WG was informed that all members had been invited to present their experiences on irrigation and drainage situation in their countries including information on population, cultivable land area, irrigated/ drained area, food demand, food production and security etc. at Korea meeting. In response Dr. Shukhrat Mukhamedjanov (Uzbekistan) presented a report on “Daily water use planning and irrigation scheduling” that set off big interest and discussion among members. VPH Dukhovny requested members to organize e-discussion on related issues with local experiences.

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

9. At Mardin (2013) meeting, Chairman VPH Peter Kovalenko presented some data (Russia, Ukraine and SIC ICWC for all Central Asian States) which clearly indicated that there was reduction of irrigated land area in most countries of Eastern Europe, besides Tajikistan, Turkmenistan and Uzbekistan.

10. As requested by VPH Dukhovny, Ukraine, Russia, Kazakhstan, Tajikistan and Uzbekistan introduced their reports about situation in each of the states. Representatives informed that the critical situation existed in almost all states with some differences. Most critical situation is now in Kazakhstan, Russia and Ukraine where almost half of irrigated lands are not used. Participants agreed with synthesis of VPH Dukhovny that the major problems of states are:

- (a) Not completed restructuring of agricultural structures that effected transformation processes in IAD;
- (b) Not enough attention of governments in most of the states;
- (c) Low level of institutional organization on the former network of the state farms that are now replaced by private and rented farms with water user associations (WUAs);
- (d) Salinity and waterlogging problems;
- (e) Weaknesses in financial mechanisms - interrelations between water management organizations and water users.

11. Chairman requested members to reassess all reports before 1 November 2014 so that it can be published.

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

12. During Mardin (2013) meeting, group supported the proposal to create data base for all states with transitional economy based on new survey and circulate the same among members. Chair made the format of the ‘New survey’ for circulation and compilation. Chair apprised the group that as a first step, the current members (Ukraine and Uzbekistan) have updated their country profiles which are now available on the website.

**WG-IDSST Minutes Item 6: Develop public-private partnership and implementation of IWRM**

13. VPH Dukhovny informed that in Central Asia, GWP published a document prepared by him together with Dr. Sokolov and Ziganshina: Case-studies - IWRM towards status evaluation. They are also trying to encourage the understanding of IWRM in other countries. The proceeding will be published in Russian by end of October 2014.

14. Representatives of Tajikistan and Russia informed about the next steps in implementation of IWRM in their countries. Particularly in Tajikistan where implementation of WUAs have covered 300,000 ha of irrigated lands. Tajikistan is therefore now in the stage of preparation of new Water Code.

**WG-IDSST Minutes Item 7: Identify and monitor problems (ecological situation) of closed basins**

15. To establish collaboration with Lake Chad Basin Committee (LCBC), the Chair contacted Mr. Tchouadang Kadjonga from Ministry of Agriculture (Chad). In absence of response from Chad, members proposed to concentrate on the problems of states in transition as listed earlier. Chairman proposed to prepare a state wise report of problems.

**WG-IDSST Minutes Item 8: Development of appropriate advanced irrigation and drainage technologies**

16. The Chairman informed the WG that next joint meeting with the representatives of irrigation and water organizations of NIS countries will be organized under support of EEC UN, Russian fund with participation of GWP, National Committees of ICID, EECCA INBO in Bishkek, Kyrgyzstan on 20-21 November 2014 with principal theme as "Water saving and rational use of irrigated lands – ways to survive in present condition of water crisis". Members are invited to provide their inputs.

**WG-IDSST Minutes Item 9: Create awareness about irrigated/ drained agriculture (capacity building)**

17. The Chairman invited members to make their presentations during the next meeting of WG. He also informed that he and Dr. Shukhrat Mukhamedjanov reported their proposal on the Regional Conference of CGIAR for Central Asia and Caucasia in Ferghana, Uzbekistan, with demonstration of field experience that caused approval of proposed methodology for activity by ICARDA. Concept paper will be published soon.

**WG-IDSST Minutes Item 10: Publications of the working group**

18. Central Office informed to undertake the printing of the publications, once it is ready. Contents and proposal were introduced in the Mardin (2013) meeting but nobody from donors supported this proposal. Nevertheless all reports of present meeting will be published in the proceedings that will be prepared for meeting in Bishkek (Item 8).

**WG-IDSST Minutes Item 11: Exchange of information (video/audio conferencing)**

19. The Chairman informed the WG members to use the ICID provided facilities such as video-conferencing to communicate in between two annual meetings of the group.

**WG-IDSST Minutes Item 12: Any other business**

20. Prof. V. Dukhovny recommended all members to contribute fresh information or update the Basic Information available on ICID website. Members may contact Mr. Madhu Mohanan, Program Officer at [icid@icid.org](mailto:icid@icid.org) for clarifications, if any.



Appendices under  
**PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

**List of Appendices**

Description	Page No.
<b>Appendix X:</b> Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)	115
<b>Appendix XI:</b> ICID Journal Editorial Board (EB-JOUR)	121
<b>Appendix XII:</b> Working Group on Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)	125
<b>Appendix XIII:</b> Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)	129
<b>Appendix XIV:</b> Working Group on On-Farm Irrigation Systems (WG-ON-FARM)	131
<b>Appendix XV:</b> Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)	135
<b>Appendix XVI:</b> Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)	137
<b>Appendix XVII:</b> Task Force to Guide ICID Inputs to 7TH World Water Forum (TF-WWF7)	139
<b>Appendix XVIII:</b> Task Force on Water for Bio-Energy and Food (TF- BIO-ENERGY)	143
<b>Appendix XIX:</b> Task Force on Value Engineering (TF-VE)	145
<b>Appendix XX:</b> Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)	149
<b>Appendix XXI:</b> Working Group on Sustainable Development of Tidal Areas (WG-SDTA)	151
<b>Appendix XXII:</b> Committee on Public Relations and Publications (C-PR&P)	155
<b>Appendix XXIII:</b> Working Group on Environment (WG-ENV)	157
<b>Appendix XXIV:</b> Working Group on Water and Crops (WG-CROP)	163

---

(Minutes of the **Permanent Committee on Technical Activities (PCTA)**  
is available at Page No. 85)



**Minutes of the 17<sup>th</sup> Meeting of the  
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)  
16 September 2014, 11.00-12.30, hours [Session I]  
16 September 2014, 13.30-15.00, hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: Knowledge**

**Year of Establishment: 1998**

**Completion of the Mandate: 2014**

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

**Members Present:** (1) Dr. Kamran Emami, Chairman (Iran, 2009); (2) Vice President Hon. Dr. Hafied Gany (Indonesia, 2005); (3) Vice President Hon. Dr. Laszlo Hayde (Hungary, 2001); (4) Dr. Ing. Klaus Rottcher (Germany, 2006); (5) Prof. N. Hacho (Japan, 1996).

**Member Hon. Present:** Vice President Dr. Gerhard Backeberg (South Africa)

**Observers:** (i) Mr. N. Hayashida (Japan); (ii) Mr. Wang Li (China); (iii) Mr. Ahmad Sirika (Nigeria); (iv) Prof. Jaekyoung Noh (Korea).

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

**WG-HIST Minutes Item 1: Action taken report by Chair**

1. Chair reviewed the history seminar in Mardin which attracted more than 100 participants. The chair informed the WG about the publication of his paper titled “The Historic Kurit Dam: An Illustrative Example of Water Wisdom” In Irrigation and Drainage Journal (Irrig. and Drain. 63: 246–253 (2014). He later briefly discussed the status of the publication of the working group.

**WG-HIST Minutes Item 2: Review of membership of the working group**

2. Thai National Committee (THAICID) had nominated Mr. Chaiwat Prechawit in place of Mr. Satit Maneepai for the membership of the group. After a brief introduction and a pledge for active participation and contribution to the activities of the Working group, his nomination was accepted. Nigerian National Committee (NINICID) had nominated Engr. Sirika for the membership of the Working Group. After a brief introduction and a pledge for active participation and contribution to the activities of the Working group, his nomination was accepted.

3. Korean National Committee (KCID) had nominated Prof. Jaekyoung Noh for the membership of the WG. After a brief introduction and a pledge for active participation and contribution to the activities of the Working group, his nomination was accepted. Chinese Taipei Committee (CTCID) had nominated Dr. Chih-Hung Tan for the membership of the group. Dr. Tan was already accepted as Observer at Mardin meeting in 2013 pending his nomination from the Committee. While he was present at the last meeting in Mardin, he was not present in the WG meeting in Gwangju. As a result he was accepted as “Provisional member”.

4. Italian National Committee (ITAL ICID) had nominated Mr. Antonio Linoli for the membership of the group. He had already contributed to the WG’s activities but he could not travel due to his health. As a result he was accepted as “Provisional member”. It was informed that the Chinese National Committee (CNCID) will nominate Li Wang next year as a replacement of Mrs. Xuming Tan. The WG accepted him as an observer till the next meeting in France. The Turkish National Committee (TUCID) has informed the Central Office to remove the membership of Mrs. Ela Ekin from the WG. The WG agreed with the proposal.

**WG-HIST Minutes Item 3: Task Team on Historical Irrigation Structures (HIS)**

5. At the 63<sup>rd</sup> IEC held at Adelaide, President Gao Zhanyi had suggested that a process for recognition of the Historical Irrigation Structures on the lines of World Heritage Sites, as recognized by UNESCO, may be initiated. Based on a discussion paper prepared by the Central Office, the inputs from the Task Force constituted for the



purpose, and the inputs from WG on History and PCTA at the 64<sup>th</sup> IEC, a Scheme for recognition of Historical Irrigation Structures (HIS) was considered by the Management Board.

6. Er. Avinash C. Tyagi, the Secretary General, gave a short presentation on the progress of TF-HIS. He informed that a website had been developed which will act as the Register of HIS and the available information of the historical structures will be presented therein from Japan and China and approved by the panel of judges. The WG was informed that a detailed questionnaire (format) had been prepared for nomination of HIS's by national committees. Members discussed that it could be interesting to add the structures that are not in operation any more but have been operational for a period of more than 100 years (in a different class) to motivate the authorities to preserve these structures properly. These structures could be used to illustrate the importance of irrigation. Based on the discussion on the criteria for inclusion of an irrigation structure – operational or non-operational - Mr. Hayde and Mr. Hacho (members of WG-HIST who are in the panel of judges) agreed to propose some modifications for the criteria for selection of HIS as suggested by the TT. The WG members will promote nomination of HIS in their own countries.

**WG-HIST Minutes Item 4: Publications of the Working Group**

**WG-HIST Minutes Item 4.1: 'Monsoon Asia History'**

7. The prepared material for Monsoon Asia History book should be used as a chapter in the WG publication on Historical Water Sustainability.

**WG-HIST Minutes Item 4.2: 'History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean'**

8. Chair will contact NCs of France and Italy to get their chapters. These chapters can be used as chapters of the WG's publication on Historical Water Sustainability. The Spanish part has already been published on a CD.

**WG-HIST Minutes Item 4.3: Publication on "Historical Water Sustainability"**

9. Chair discussed the table of content of the book with the WG and updated the table (**Annex**) including the author(s) of the chapters, the title, the reviewers and the deadlines. The chair will circulate the finished chapters to facilitate more uniform approaches by the author(s) of the chapters. Chair will try to get sponsorship for publishing the book from the Iranian power Ministry or KWPA. A Video conference will be held at end of January to update the status of the progress of the publication. If the publication is sponsored it can be produced as hard copies. Otherwise, the option of a book on 'Demand' can be considered by WG. Mr. Roettcher will provide more information from the German Water History Association as they bring out all their publications in this way.

**WG-HIST Minutes Item 4.4: Other publications**

10. VP Dr. Gerhard Backeberg (South Africa) informed the Chair that "History of Irrigation in South Africa" would be completed in January 2015. Mr. Backeberg informed the WG about the book and also about the history of large dams and handed over one copy of the publication to the chair.

**WG-HIST Minutes Item 5: International workshop of the working group**

11. The WG proposes to organize a one-day Workshop at the next European Conference and IEC Meeting in France in 2015 and in Thailand in 2016. The main theme and sub-themes should be worked out by the WG.

**WG-HIST Minutes Item 6: Tenure of the working group and future work plan**

12. The tenure of the working group comes to an end by the end of 2014 and it was decided that the WG ask for the extension of the tenure for completion of the unfinished task such as publication on Historical Water Sustainability. In the meantime, new mandate and Scoping Document would be prepared by the members of the WG and submitted to the 66<sup>th</sup> IEC in Montpellier, France.

**WG-HIST Minutes Item 7: Website of WG-HIST**

13. It was proposed that the papers and presentations of the history seminars in Tehran, Adelaide, and Mardin should be uploaded on the website of the working group.

**WG-HIST Minutes Item 8: Any other business**

14. President Hon. Peter Lee informed the WG about a book entitled “Epic Engineering: Great Canals and Barrages of Victorian India” by Alan Robertson. The book was edited and completed by Jeremy Berkoff.

15. VPH Hayde informed the working group on the Water History Training workshops organized by UNESCO IHE.



## Annex [Appendix X, Item 4.3]

**PUBLICATION OF “HISTORICAL WATER SUSTAINABILITY”****Table of contents**

<b>Sr. No.</b>	<b>Author(s)</b>	<b>Title</b>	<b>Reviewer 1</b>	<b>Reviewer 2</b>	<b>Status</b>
1	Dr. Ali Bagheri	Sustainable Development and Water Resources	Hatcho	Emami	Delivered
2.	Dr. Kamran Emami, (Iran)	Sustainability and Creativity Conclusions	Rottcher	Emami	Delivered to be done after all chapters are delivered
3.	Dr. Bert Toussaint (The Netherlands)	To be proposed	Schultz	Emami	Jan 2015
4.	Prof. Dr. N. Hatcho (Japan) and Prof Yutaka Matsuno	Historical Water Sustainability: Lessons to Learn from Japanese Experiences.	Noh	Emami	Delivered
5.	PH Bart Schultz (The Netherlands)	The Beemster, a drained lake for 400 years	Rottcher	Emami	Jan 2015
6.	VPH Dr. Laszlo Hayde (Hungary)	To be Proposed	Rottcher	Emami	Jan 2015
7.	Antonio Linoli (Italy)	The Grand Canal (later the Cavour Canal)	Gany	Emami	Jan 2015
8.	VPH Dr. A. Hafied A. Gany (Indonesia)	Water history and sustainability in Indonesia	Hatcho	Emami	Delivered
9.	Mr. Charles L. Abernethy (UK)	The roles of management in sustainability of irrigation systems	Lee	Emami	Delivered
10.	Dr. Ing. Klaus Röttcher (Germany)	Innovation and Intuition in hydraulic structures – a short history of water engineers in Europe	Hayde	Emami	Jan 2015
11.	Dr. Semsar Yazdi and Eng. Labaf (Iran)	Qanats of Iran: Sustainable Water Supply Systems	Hatcho	Emami	In Oct 2014
12.	Mrs. Xuming Tan (China)	Study on Ancient Baotun Irrigation Works in Guizhou Province of China	Hatcho	Emami	Jan 2015
13.	Eng. Sikira (Nigeria)	Nigerian report	Vuuren	Emami	Jan 2015
14.	Ms. Lani Van Vuuren	South African Report	Sirika	Emami	Jan 2015
15.	VPH Dr. Ricardo S. Graino (Spain)	To be proposed			
16.	Mr. Chaiwat Prechawit (Thailand)	To be proposed	Hatcho	Emami	Jan 2015
17.	Prof. Jaekyoung Noh (Korea)	To be proposed	Wang Li	Emami	Jan 2015
18.	Eng. Adnan (Malaysia)	Malaysian Report	Schultz	Emami	Jan 2015

**Minutes of the 21<sup>st</sup> Meeting of the  
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)  
16 September 2014, 11.00-12.30 hours [Session-I]  
16 September 2014, 13.30-15.00 hours [Session-II]  
Gwangju, Republic of Korea**

**Strategy Theme: Knowledge**

**Year of Establishment: 1994**

**Mandate:** (i) To ensure with the (Joint) Editor(s) that the Journal is published in accordance with editorial policies; (ii) To select and recommend to IEC, through PCTA, the appointment of (Joint) Editor(s), Associate Editors and Members; (iii) To review and update editorial policies when required, to conform with the developing ICID objectives; (iv) To address and resolve issues pertaining to the Journal; and (v) To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

**Members Present:** (1) PH Prof. dr. Bart Schultz, Chairman (The Netherlands), 2002; (2) Mr. Bernard Vincent (France, 2010), Associate Editor; (3) VPH Larry D. Stephens (USA, 2001); (4) Dr. Yohei Sato (Japan, 2009); (5) Dr. Mohammad Javad Monem (Iran, 2011) represented by Mr. Mehrzad Ehsani; (6) Dr. Li Jiusheng (China); (7) Prof. Dr. Joong Dae Choi (Korea); and (8) Dr. Vijay K. Labhsetwar, Director, ICID Central Office.

**Observers :** (i) Ir. Artoro Gonzalez (Mexico); (ii) Ir. Waldo Ojeda (Mexico); (iii) Dr. Luis Rendon Pimentel (Mexico); (iv) Dr. Takao Masumoto (Japan); and (v) Ir. Kwang Sik Yoon (Korea).

**Website:** [http://www.icid.org/wiley\\_journal.html](http://www.icid.org/wiley_journal.html)

**EB-JOUR Minutes Item 1: Action Taken Report by Chair (from Editor, Chairman etc.)**

1. The report of the Chairman for 2013 was disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report have been presented in the meeting and were discussed.

**EB-JOUR Minutes Item 1.1: Special Issues**

2. The Board was informed that in 2014, a Special Issue (63.2, April 2014) with selected papers of the First World Irrigation Forum was published. Guest Editors: Er. Avinash C. Tyagi (ICID Central Office), Dr. Hüseyin GÜNDOĞDU (Turkey), and PH Bart Schultz (The Netherlands).

3. The members were informed that presently, four new Special Issues are under preparation. These concern three Special Issues with selected papers of the Gwangju Congress and one Special Issue on Innovations in Irrigation Systems in Africa:

- (a) The Special Issue in the regular series will consist of selected papers of the various Congress sessions. Guest editors for this Special Issue are: Jin-Yong Choi (Republic of Korea) and Bart Schultz;
- (b) Sponsored Special Issue with selected papers, in principle based on Congress papers by authors from Asia: The papers for this Special Issue have been selected, based on the review result of the reviewers of the Congress papers and the ranking by the Korean Guest Editors and the Chairman. Guest editors for this Special Issue are: Kwang Sik Yoon (Republic of Korea) and Hector Malano (Australia);
- (c) Sponsored Special Issue with selected papers in principle based on Congress papers by Korean Specialists: The papers for this Special Issue have been selected, based on the review result of the reviewers of the Congress papers and the ranking by the Korean Guest Editors and the Chairman. Guest editors for this Special Issue are: Joongdae Choi (Republic of Korea) and Jiusheng Li (China);
- (d) Sponsored Special Issue on Innovations in Irrigation Systems in Africa: The papers for this Special Issue will be based on a European Union and African Union cooperative research to increase Food production in irrigated farming systems in Africa. The Board was informed that this programme is being implemented by 15 partners from Europe and Africa (Alterra, Cirad, CSIC, IRSTEA, INRGREF, IWMI, ODI, and CSIR). The papers concern 5 case studies: Tunisia, Mali, Ethiopia, South Africa and Mozambique. Guest editors for this Special Issue will be: Jochen Froebrich, Alterra (Netherlands), Sami Bouarfa, Irstea (France) and Dominique Rollin, Irstea (France).

4. In addition the meeting was informed that two other sponsored Special Issues may be expected, being:
- (a) Sponsored Special Issue by the Working Group on Sustainable Development of Tidal Areas (WG-SDTA). This Special Issue will be based on selected papers that were/will be presented during the workshops of the Working Group in 2014 and 2015. The Special Issue is expected to be published in 2016;
  - (b) Sponsored Special Issue by the Iranian National Committees (IRNCID). This Special Issue will be based on selected papers of the 13th International Drainage Workshop that will be held in Iran in 2017.

**EB-JOUR Minutes Item 1.2: Books Reviews**

5. This period there were no book reviews.

**EB-JOUR Minutes Item 1.3: French resumés**

6. For all submitted papers, Bernard Vincent (France) has checked the French Titles and Resumes.

**EB-JOUR Minutes Item 1.4: Recognition to the reviewers**

7. The Guest Editors and Reviewers of papers in 2013 have been listed and recognized in the first issue of the Journal in 2014.

**EB-JOUR Minutes Item 1.5: Best Paper Award 2014**

8. The Board was informed that in 2013, 90 papers were published. Out of these the best paper has been selected by the Chairman, the Joint Editors and the Associated Editors. The Best Paper Award is a citation plaque along with a cash prize of either £ 250, or £ 400 – in the form of Gift Books (Wiley Publications), with the awardees having an option to choose.

9. The Best Paper Award 2014 has since been awarded to Marylou M. Smith and Stephen W. Smith from USA to their paper titled “Case Study – Agricultural/Urban/Environmental Water Sharing in the Western United States: Can Engineers Engage Social Sciences for Successful Solutions”, published in Volume 62, Issue 3 (2013) of Irrigation and Drainage – the Journal of ICID. Please access at [http://www.icid.org/best\\_pap2014.pdf](http://www.icid.org/best_pap2014.pdf) for the paper. The award was received by VPH Larry Stephens, Executive Vice President of U.S. National Committee on Irrigation and Drainage (USCID) on behalf of the authors.

**EB-JOUR Minutes Item 2: Review of the membership of the Working Group**

**Term of members**

10. Prof. Bruce Lankford (UK) has informed the chairman that he would like to step down from the Editorial Board. The meeting expressed its high appreciation for the good work that he has done as Associate Editor.

11. There were four nominations for new members, three of them as Associate Editor.

- (a) Prof. Waldo Ojeda-Bustamante (Mexico) as Associate Editor;
- (b) Prof. Kendall C. DeJonge (USA) as Associate Editor;
- (c) Prof. Saleh Taghvaejan (USA) as Associate Editor;
- (d) Ir. Simon Howarth (UK) as Member.

12. Of all the nominees, their CVs have been timely submitted. Prof. Waldo Ojeda-Bustamante (Mexico) attended the meeting and presented himself. Prof. Kendall C. DeJonge (USA) and Prof. Saleh Taghvaejan (USA) could not be attended the meeting and were introduced by VPH Larry Stephens (USA). Ir. Simon Howarth (UK) could also not attend the meeting and there was no representative from the British Committee National Committee of ICID. However, based on the communication before the meeting the chairman proposed that his nomination will nevertheless be accepted. All the four nominations were recommended to be approved by the Board.

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

13. A new category of members i.e. ‘Direct Members’ (DM) has been added to the list of ICID membership. A total of 706 copies were distributed to members in 2014 i.e. 409 “Online-only” subscriptions, 152 subscriptions as “Online + print” and 145 as “print-only” subscriptions.

14. The members approved the proposal to provide free Journal subscription (online access only) to thirteen Young Professionals who received ICID scholarship for attending 22<sup>nd</sup> ICID Congress, for two years).

15. With respect to this the Board noted that this year being the first year that the Journal is published under a new Agreement with Wiley for the period 2014 - 2018. In this Agreement there is a significant change compared to the previous agreements. This implies that the National Committees are entitled to receive free of charge 5 copies online + print and 5 copies online only. In the previous agreements this was 10 copies online + print. Due to the fact that quite some National Committees have not provided ICID Central Office the required information on the dissemination of the 10 free copies, not all the 800 copies of the Agreement could be identified. Board suggested that efforts shall be made to use the remaining copies to young professionals in a bid to attract their interest.

**EB-JOUR Minutes Item 4: Issues related to M/s Wiley-Blackwell**

16. The Board appreciated the Chair Prof Bart Schultz for conducting communication with the publisher in an effective and pleasant way any serious problems being encountered. The software for handling the paper submission and review system has gradually improved. As far as possible the Associate Editors and reviewers are encouraged to work only through this system.

**EB-JOUR Minutes Item 5: Any other business**

17. The meeting ended with thanks to the Chair.



**Minutes of the 6<sup>th</sup> Meeting of the  
WORKING GROUP ON ROLE OF IRRIGATION IN POVERTY  
ALLEVIATION AND LIVELIHOODS (WG-POVERTY)**

17 September 2014, 09.00-10.30 hours [Session 1]

17 September 2014, 11.00-12.30, hours [Session 2]

Gwangju, Republic of Korea

**Strategy Theme: Schemes**

**Year of Establishment: 2008**

**Completion of the Mandate: 2014**

**Mandate:** (i) Synthesize specific knowledge and experience from the irrigation sector, to design pro-poor actions in a wider understanding of irrigation along the whole rainfed-irrigated continuum (aka agriculture water management), (ii) Look for technical solutions that work within a clearly defined socio-economic context, so that they can be mobilized in a case specific approach, (iii) Emphasize multiple-use (MUS) of irrigation systems as a specific approach to alleviate poverty in this context, (iv) Increasing opportunities for greater and more open participation by the poor, in the development of systems and in the value chain, (v) Building accountability mechanisms that give longer term support and commitment to poverty alleviation initiatives, (vi) Guidelines supported by case studies on how to enhance the poverty alleviation and livelihood improvement impacts of new and existing projects, and (vii) The effect of urbanization on smallholders in peri-urban areas and drawing population from rural to urban areas.

**Members Present:** (1) President Hon. Peter Lee, Chairman, 2010 (UK, 2008); (2) Vice President Laurie Tollefson (Canada); (3) Dr. Yohei Sato (Japan); (4) Dr. Enayatollah Farahani (Iran, 2009).

**Permanent Observer:** Mr. Andre Roux (South Africa).

**Observers:** (i) Mr. Jiasheng Huang (China); (ii) Mr. Mukhlis Zainol Abidin (Malaysia); (iii) Mr. Muhammad Sani Bala (Nigeria); (iv) Mrs. Robiah Lazim (Malaysia); (v) Ming-Young Jan (Taiwan); (vi) Prof. Udaya Sekhar Nagothu (Norway); (vii) Dr. Chung-Feng Ding (Taiwan); (viii) Mr. Abubakar Sambo Adamu (Nigeria); (ix) Dr. Mochammad Amron (Indonesia); (x) Mr. Mr. Ahmed Aziz (Iraq); (xi) Dr. Hussein El Gammal (Egypt); (xii) Dr. Sylvain Perret (France).

**Website:** <http://wg-poverty.icidonline.org/>

**WG-POVERTY Minutes Item 1: Action taken report by Chair**

1. The chairperson President Hon. Peter S Lee opened the meeting by pointing out that the working group had been formed in 2008 and held its first meeting in New Delhi in 2009, with a mandate extended in 2013, to run until 2014. The working group was in its 6<sup>th</sup> year and has completed its activities.

2. The working group has held a workshop every year; although in 2011 the duration of the workshop was severely truncated by having to share its time slot with the abortive WG-MDGs, and thereafter by clashes in the schedule with other groups. In 2012, the Working Group proposed to wind-up the work of the working group with the production of a position paper, for which the PH Lee had circulated the outline in 2013. He requested inputs to this from the members, which needed to be short in order to fit into the format of a position paper. Case studies to illustrate points in the text would be welcome, but they needed to be in box format.

3. No inputs have been received last year or this, and the case studies heard in the workshop were interesting but they were not in the format in which they be included in the position paper. A lot of work would be needed to draft the text and reduce the case studies to a suitable format for a position paper; moreover it is clear that a lot of other work was going on that would need to be acknowledged in a position paper. The chair was therefore of the view that preparation of a position paper was beyond the capability of the group, and he had instead drafted a Final Report of the working group's activities, which the meeting would review and add to.

**WG-POVERTY Minutes Item 2: Membership of the working group**

4. Mr. Muhammad Sani Bala, Nigeria voiced concern that his name had been proposed as a new member of the group by the Nigerian National Committee but it was not included in the papers. The chairperson pointed out that as the group was winding up there was no point admitting him as a new member, however, he was welcome to stay and contribute to the meeting.

**WG-POVERTY Minutes Item 3: Workshop on Poverty Alleviation Interventions**

5. A further case study had been received, and this was presented as an additional item. Mr Mukhlis Zainol Abidin, Malaysia gave a presentation on the Muda Irrigation Project, which had been greatly intensified since the 1960s to contribute nearly 40% of the nation's staple food supply and alleviate poverty in a region once poor area by enabling double cropping of paddy and improving the income of farmers. Mr Bala, Nigeria (Secretary General of Nigerian National Committee) indicated that the World Bank has been supporting a project in Nigeria which he believes could be appropriate to this WG. The project is called "Transforming irrigation management in Nigeria (TRIMiNG) Project". The chairperson indicated that information on this project could be useful. Mr Bala will forward the information to Ms Gabriel, who will forward to the chairperson. The chairperson said that it sounded like the agri-business element of the project and might be the most relevant here.

**WG-POVERTY Minutes Item 4: Final Report of the Working Group on the Role of irrigation in poverty alleviation and enhancing livelihoods**

6. The chairperson presented the draft Final Report and asked for comment and suggestions.

7. The chairperson had contacted some of the more active members of the Working Group before the meeting and Professor Linden Vincent had sent comments on the Appendix (i.e. the outline of the Position Paper). In this, she said priority lay with:

- (a) Opportunities for the poor through
  - (i) Broadening access to resources
    - Pro-poor design
  - (ii) Improving resilience
    - Working with ecosystems
    - Designing for sustainability
  - (iii) Increasing livelihoods through participation
    - Farmer operations
- (b) Continuing challenges
  - (i) Unsympathetic design and operation
- (c) Pro-poor interventions
  - (i) Bottom-up design and management

8. However, since the Group had neither the time nor resources to work on even these items, the chairperson proposed that instead, the Group focus on the Final Report and identifying actions that could be taken forward in support of ICID's design of Topic 2.1 Water for Food at WWF7 (April 2015), where ICID will lead a session on Modernization of Irrigation Schemes. There might be an opportunity here for ICID to advocate pro-poor interventions as a part of the modernization process, he suggested.

9. The chairperson asked the members, if they had projects that might be implemented during the 3 year period following WWF7 to illustrate such interventions.

10. In South Africa, it was pointed out, the small holder farming is a low source of income (about 4%) in the rural areas. Rainfed farming is more important than irrigation farming. The Government's focus is, however, on smallholder farming. Projects being undertaken cover inclusion of women in farming, improving farmers' participation in the food value chain and agribusiness. Currently irrigation is being debated in South Africa where the National Development Plan emphasizes an increase of irrigated area, however the country does not have enough water and on the other hand, the current allocation of water for smallholder irrigation is not being used to full potential. We need to look at access to land and water, knowledge and skills to use the water and finally the management of irrigation schemes. Dr Backeberg requested that rainfed agriculture should also be brought back into the picture. One should be looking at it as a continuum (irrigation and rain-fed).

11. In Malaysia, in the next 3 years, the focus will be on the development of irrigation infrastructure. While in Iran, many irrigation projects are being modernized, and a key issue was operation and maintenance. Farmers also need to be taught the value of water and by doing so an increase agriculture production, thus addressing poverty alleviation. Dr Farhani promised to provide the chairperson with the information. In Japan, the focus is on labour saving as they are losing labour from the agriculture sector.



12. Sylvain Perret – Year of Family Farming. One needs to look at the dynamics surrounding family farming and integrate these aspects into modernization and not just focus on engineering aspects of modernization as was done in the past. The circumstances of the poor are changing; more are connected to markets (i.e. not just subsistence) and more diverse (e.g. in livestock or part-time employment in the towns). This has an impact on agriculture, for example, where some are leaving for other jobs, transplanting of rice is no longer done due to lack of labour. One needs to look at adaptive modernization. It is a very complicated subject, and this supported the view that it could not be properly addressed in a Position Paper without a lot more work, which the Group was not able to provide.

13. Several speakers cautioned against the introduction of too sophisticated irrigation technologies as labour and skills were critical constraints.

14. VP Tollefson asked how the report will be completed. Will documents be attached? The chairperson said he had placed the report and the documents into the ICID Dropbox and he would work on them there. Several members have access to this box and could provide their suggestions.

**WG-POVERTY Minutes Item 5: Any other business**

15. The Working Group closed its activities leaving the chairperson and secretary to complete the Final Report and other documentation.



**Minutes of the 29<sup>th</sup> Meeting of the  
WORKING GROUP ON COMPREHENSIVE APPROACHES TO  
FLOOD MANAGEMENT (WG-CAFM)  
17 September 2014, 11.00-12.30 hours [Session-I]  
17 September 2014, 13.30-15.00 hours [Session-II]  
Gwangju, Republic of Korea**

**Strategy Theme: Basin**

**Year of Establishment: 1999**

**Completion of the Mandate: 2015**

**Mandate:** To identify and disseminate various structural and non-structural measures of flood management, and to study the social, political and economic aspects of flood mitigation measures, ecologically sound development, international cooperation, as well as people's participation in disaster preparedness. The objective is to help the planners, managers and designers setting up holistic, integrated and adaptive flood management schemes in view of uncertainties resulted from the climate and hydro systems changes.

**Members Present:** (1) Dr. Kamran Emami, Chairman, 2010 (Iran, 1999); (2) Prof. Dr. Ing Klaus Röttcher, Vice Chairman, 2012 (Germany, 2009); (3) Dr. Takao Masumoto, Secretary, 2010 (Japan, 2009); (4) Mr. Maurice Roos (USA, 2006); (5) Mr. Olli-Matti Verta (Finland); (6) Dr. Arthon Suttigarn (Thailand, 2012); (7) Ms. Ir. Aysen Pervin Gungor (Turkey, 2012); (8) Mr. Mohd Adnan Mohd Nor (Malaysia, 2013); and (9) Secretary General, represented by Dr. Vijay K. Labhsetwar (Director, ICID).

**Observers:** (i) Prof. Dr. Seong Joon Kim (Korea), (ii) Dr. Michael Miezwa (USA); (iii) Mr. Mostafa Vatanzadeh (Iran); (iv) Dr. Clarke Ballard (Australia); (v) PH Prof. dr. Bart Schultz (The Netherlands); (vi) Dr. G. R. Backeberg (South Africa); and (vii) Dr. Junghun Song (Korea).

**Website:** [http://www.icid.org/wg\\_cafm.html](http://www.icid.org/wg_cafm.html)

**WG-CAFM Minutes Item 1: Action Taken Report by Chair**

1. The Chair delivered the copy of the minutes of the last meeting of the WG at Mardin, Turkey (2013) and reviewed actions taken on the decisions made during the meeting. Referring to the recent floods in India and Pakistan with a death toll in hundreds, the chair called for more active participation and contribution from these two countries.

**WG-CAFM Minutes Item 2: Review of the membership of the Working Group**

2. The new nominations of Mr. R.K. Agarwal (Direct Member, India) and Dr. (Ms) Rozalija Cvejic (Slovenia) for the membership of the WG have been received. However, due to their absence in the meeting, they were accepted as 'Provisional Member' for one year.

3. In accordance with ICID by-law 3.6, Chair recommended discontinuation of Dr. G.S. Purba (India) on the basis of non-attendance and no communication. ICID Central Office may invite fresh nomination from the respective National Committee.

**WG-CAFM Minutes Item 3: Presentations on Floods (Country Case Studies)**

4. This year, Prof. Dr. Kim Seongjoon (Korea) made the country presentation under the title of 'Recent floods in South Korea and some mitigating efforts' during the WG meeting.

**WG-CAFM Minutes Item 4: Publications of the Working Group**

**WG-CAFM Minutes Item 4.1: WG publication on 'Adaptive Flood Management'**

5. The WG has decided to publish a document titled "Adaptive Flood Risk Management" based on the workshop papers and country presentations on floods. The document aims at helping the planners, managers and designers, setting up holistic, integrated and adaptive flood management schemes in view of uncertainties resulting from the climate and hydro systems changes. The draft document has been presented during the meeting. It will be peer reviewed and improved by members in 2015 and final document will be published by October 2015.

6. To enrich the contents of the WG publication, the Finland's presentation and other workshop papers and country presentations previously presented will be available on the WG website. Furthermore, Malaysia has been requested to provide their country reports for inclusion in the document of the WG. To facilitate preparing the WG document, the WG members may use ICID provided facilities such as video-conferencing to communicate in between two annual meetings of the Group. The Chairman, Dr. Kamran Emami, apprised the WG members and would take the responsibility for this publication.

**WG-CAFM Minutes Item 5: Internal Workshop on 'Adaptive Flood Risk Management' at Korea**

7. In addition to the country presentation, four papers were presented in the internal workshop of WG-CAFM in Korea, as follows:

- (a) "Update on California Flood Management Accomplishments" by Dr. Michael Mierzwa (USA)
- (b) "Enlarge the Retention at Existing Dams for Paths and Streets" by Prof. Dr.-Ing Klaus Röttcher (Germany, Vice chairman)
- (c) "Flood Risk Management, City of Salo" by M. Olli-Matti Verta (Finland)
- (d) "The Iranian Criteria for selection of design flood (Dam Criteria)" by Dr. Kamran Emami (Iran), Chairman

**WG-CAFM Minutes Item 6: Work Plan up to 2015**

8. In order to complete the mandate and focus on specific activity, the members have discussed specific activities of the WG with time frame and responsibility allocation as per the format.

9. The WG-CAFM decided to plan Seminars/Workshops in France and in Thailand which are as follows:

- (a) An International Workshop on 'Flood Risk Management' will be held during 66th IEC & 26th European Regional Conference (ERC) in October, 2015 at Montpellier, France.
- (b) Seminar/Workshop on 'Floods and Agriculture' will be held during 67th IEC & 2nd World Irrigation Forum (WIF), in November 2016 at Chiang Mai, Thailand.

10. Based on discussions within the WG members, it is concluded that Dr. -Ing Klaus Röttcher (Vice Chairman) and Dr. Takao Masumoto (Secretary) will organize and take care of the coordination (in terms of planning, calling for/selecting abstracts, collecting papers, and welcoming presentations) of the seminars/Workshops at Montpellier, France and Chiang Mai, Thailand in 2015 and 2016, respectively. The WG proposes a one-day participation fee system to the PCTA in order to increase participation in one day events such as these seminars/workshop (There is already a provision of one day registration in all ICID events).

11. Besides publishing "Adaptive Flood Risk Management", the WG may bring out a special issue of ICID Journal "Irrigation and Drainage".

*(The PCTA minutes have since suggested that since the Sub-theme 2 of WIF2 is specially devoted to 'Floods and Droughts', the WG may differ organizing the workshop in 2016 and instead take active part in the organization of sub-theme 2 of WIF2).*

**WG-CAFM Minutes Item 7: Any other business**

**WG-CAFM Minutes Item 7.1: Updating 'Basic Information' for ICID website**

11. The Chairman requested all members to take up the task of updating the basic information which was available on the ICID website.



**Minutes of the 17<sup>th</sup> Meeting of the  
WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)  
17 September 2014, 13.30-15.00 hours [Session I]  
17 September 2014, 15.30-17.00 hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: On-Farm**

**Year of Establishment: 1998**

**Completion of the Mandate: 2014**

**Mandate:** (i) To promote on-farm irrigation as part of integrated water resources management, and (ii) To promote sustainable efficient approaches for on-farm irrigation.

**Members Present:** (1) Vice President Hon. Felix B. Reinders, Chairman, 2004 (South Africa, 1998); (2) Vice President Hon. Prof. Peter Kovalenko, Vice Chairman (Ukraine, 2001) represented by Ms. Iuliia Danylenko; (3) Dr. A.K. Randev, Secretary (India, 2005); (4) Mr. Hassan Shantia (Iran) represented by Vice President Hon. Dr. S. Nairzi; (5) Mr. Mohan Reddy Junna (USA) represented by Jeff Shaw; (6) Dr. Abraham Mehari Haile (The Netherlands); (7) Mr. Mohd Yazid bin Abdullah (Malaysia); (8) Dr. Akira Iwamoto (Japan); (9) Dr. Chen, Ching-Tien (Chinese Taipei) represented by Ming-Young Jan; (10) Mr. Suman Sijapati (Nepal); (11) Secretary General Avinash Tyagi represented by Dr. Vijay K. Labhsetwar.

**Members Hon. Present:** (i) Vice President Dr. Huseyin Gundogdu (Turkey); (ii) Vice President Dr. Ir. Basuki Hadimoeljono (Indonesia)

**Observers:** (i) Mr. Dickson Ahagbuje (Nigeria); (ii) Mr. Wahidullah Salehi (Afghanistan); (iii) Prof. Ruey-Chy Kao (Taiwan); (iv) Ms. Fethia A. Ahmed (Ethiopia); (v) Nooraida Mohtar (Malaysia); (vi) Mr. Zhu Jun (China); (vii) Mr. Kang-Han Fan (Taiwan); (viii) Jishi Jin (China); (ix) Mr. Liao Ta-Hsin (Taiwan); (x) Joongdae Choi (Korea); (xi) Mr. Kadhim Ahmed (Iraq); (xii) Mr. Ahmed Aziz (Iraq); (xiii) Ms. Medhani Ayoma Jayakody (Sri Lanka); (xiv) Ms. Zhang Yi (China); (xv) Ms. Ezee GC (Nepal); (xvi) Prof. Jiusheng Li (China); (xvii) Prof. Suleyman Kodal (Turkey); (xviii) Mr. Yingduo Yu (China); (xix) Mr. Toshihiko Kuno (Japan); (xx) Mr. Young Hwa Kim (Korea); (xxi) Dr. Ismail Widadi (Indonesia); (xxii) Mr. Mohammad Sadeh Jafari (Iran); (xxiii) Dr. Mochammad Amron (Indonesia); (xxiv) Mr. Enayatollah Farahani (Iran); (xxv) Mr. Mohammad Sadegh Javadi (Iran); (xxvi) Chen-Tien (China).

**Website:** <http://wg-on-farm.icidonline.org/>

**WG-ON-FARM Minutes Item 1: Action taken report by Chair**

1. The Chairman Felix B Reinders welcomed everyone at the meeting which was attended by 6 members, 4 others were represented and 26 observers. The Chairman briefly summarized the progress made on the various activities of the WG during the past year. He highlighted the submission of proposal for the Award for the Best Performing Workbody Award (BPWA) that he prepared and that the Award was presented to the WG-ON-FARM. Every member who were part of the WG for the last 2 years received a plaque in recognition for the WG's contribution.

2. Due to the fact that the tenure of the WG is up to 2014, it will wrap up its mandate and a continuation of the WG will be in the form of a new WG with a new mandate after a Scoping Document has been submitted and approved by IEC.

**WG-ON-FARM Minutes Item 2: Review of the membership of the working group**

3. The nomination was received from Nigerian National Committee viz. Mr. Dickson Ahagbuje. He introduced himself and his membership was accepted.

4. The membership of Dr. Abraham Mehari Haile was renewed as he actively participated in reviewing and submitting of papers. He also participated in the meeting of the WG in Korea and plans to produce a document on the 'Design guidelines on flood based irrigation' which he hopes to publish through ICID. His renewal was strongly supported by the Netherlands National Committee which feels that he can still give valuable contribution to the WG.

**WG-ON-FARM Minutes Item 3: Worldwide usage of Micro and Sprinkler Irrigation**

5. The WG had discussed the updated data table of sprinkler and micro irrigation area in ICID member countries. The group was informed that the updated data were received from the National Committees of Brazil, Iran, Iraq, Italy and Spain. The WG also suggested checking for computational errors in the table. The data sheet should be revisited and corrected. Member countries were urged to supply updated data to the Central Office. Members suggested that other sources/ links for example AQUASTAT of the FAO may be used to obtain the data/ information pertaining to other countries. The Central Office has followed up with NCs and is actively on the job to update the datasheets in accordance with the directions of the WG.

**WG-ON-FARM Minutes Item 4: Inviting proposals for 9<sup>th</sup> International Micro Irrigation Symposium**

6. ICID Central Office had invited proposals for hosting the 9th International Micro Irrigation Symposium (IMIS) from all the National Committees. However, response was awaited.

**WG-ON-FARM Minutes Item 5: Publications of the working group****WG-ON-FARM Minutes Item 5.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”**

7. The article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices” was almost complete and likely to be submitted. Chairman and Dr. Haile will complete it.

**WG-ON-FARM Minutes Item 5.2: Paper on “Micro irrigation for smallholders and greenhouses”**

8. Prof. Yoshisuke Nakano (Japan) in January 2014 has informed the Central Office that he would get in touch with the Chair towards preparation of the paper on “Micro irrigation for small-holders and greenhouses”. Paper will be rounded off and submitted to ICID Journal.

**WG-ON-FARM Minutes Item 5.3: Upgrading/ modernization of surface irrigation systems**

9. The group noted the slow progress in preparation of the book “Soil and Water Management in Surface Irrigation Systems” by Prof. Mohan Reddy Junna (USA). It must be looked at if it can be taken up by the new WG to complete the action.

**WG-ON-FARM Minutes Item 6: Tenure of the working group**

10. Since the present tenure of the WG is going to complete by 2014, the group had agreed to develop a new mandate. The group will prepare a Scoping Document for the new mandate and scope of the WG. It can fit in the new structure of ICID with the name “Working Group on Water Management in Irrigation”. A Core Group (CG) was constituted viz. Dr Haile, Dr Randev, Mr Abdullah and Mr Sijapati. The CG will complete the Scoping Document by the end of December and circulate it in January 2015 amongst members for their comments. Feedback must be provided before the end of February and the document will be finalized and submitted by the end of March 2015 to ICID Central office.

11. It will go through the process of approval and current members will be invited to confirm their membership and National Committees will be invited for new nominations.

**WG-ON-FARM Minutes Item 7: Website of the workbody**

12. Members are requested to access the WG website <<http://wg-on-farm.icidonline.org/>> and share additional materials/ reports/ articles/ documents etc. for its positing.

**WG-ON-FARM Minutes Item 8: Any other business****WG-ON-FARM Minutes Item 8.1: Guidelines for flood based irrigation systems**

13. Secretary General in consultation with VPH Frank Dimick had proposed to include a presentation and discussion of the proposed “Design Guidelines on Flood-based Irrigation Systems” in the WG meeting. The preparation of this proposed design guidelines on flood-based irrigation systems will be coordinated by the International Spate Irrigation Network. Dr. Abraham Mehari Haile will make a presentation on Spate irrigation.

**WG-ON-FARM Minutes Item 8.2: Presentations**

14. To complement the meeting, information sharing was done through the following presentations:

- a. "Effect of Trace Quantity Irrigation (TQI) on Wine Grape Culture in Arid Region in China" by Prof Zhu Jun and Jishi Jin.
- b. "Indigenous ON-Farm Flood Management Practices in Ethiopia lowlands: Examples from Ethiopia Lowlands" by Dr Abraham Mehari Haile.
- c. "Controlling Sprinkler Rotation Speed to Optimize Water Distribution Uniformity of Travelling Rain Guns" prepared by Dr Graziano Ghinassi of Italy and presented by Mr Felix Reinders.



**Minutes of the 9<sup>th</sup> Meeting of the  
WORKING GROUP ON GLOBAL CLIMATE CHANGE AND  
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)  
17 September 2014, 13.30-15.00 hours [Session I]  
17 September 2014, 15.30-17.00 hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: Basin**

**Year of Establishment: 2005**

**Completion of the Mandate: 2014**

**Mandate:** (i) To review the progression of and predictions for Global Climate Change (GCC) and climate variability, (ii) To explore and analyze the medium-term implications of climate change and climate variability for irrigation, drainage, and flood control, (iii) To stimulate discussion and raise awareness of water-related GCC issues within the ICID family, (iv) To stimulate discussion at national scales among scientists, policy makers, and, through the media, the general public on GCC and water, and (v) To join the international dialogue on GCC and water.

**Members Present:** (1) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (2) Dr. Ray Shyan Wu, Secretary (Chinese Taipei, 2009); (3) Vice President Hon. Dr. Karim Shiaty (Iran, 2006); (4) Prof. Heping Hu (China); (5) Prof. Choi, Jin-Yong (Korea); (6) Secretary General Avinash Tyagi.

**Permanent Observer:** Robert Stefanski (Switzerland) – WMO representative

**Member Hon. Present:** President Dr. Gao Zhanyi (China)

**Observers:** (i) Ms. Mary Jean Gabriel (South Africa); (ii) Mr. Andre Roux (South Africa); (iii) Prof. Udaya Sekhar Nagothu (Norway); (iv) Mr. Johannes Deelstra (Norway); (v) Ir. Tek Lip Hor (Malaysia); (vi) Dr. Sylvester Mpandeli (South Africa); (vii) Mr. Mphatso Malota (Malawi); (viii) Dr. N. Sai Bhaskar Reddy (India); (ix) Dr. Ismail Tas (Turkey); (x) Mr. Inhong Song (Korea); (xi) Mr. Sang-Hyun Lee (Korea); (xii) Mr. Jung Hun Song (Korea); (xiii) Mr. Jacques Plantey (France); (xiv) Liou Yeh-Chu (Taiwan); (xv) Po-Hsien Sun (Taiwan); (xvi) Prof. Dr. Jianxin Mu (China); (xvii) Mr. Sandor Szalai (Hungary); (xviii) Dr. Nozar Ghahreman (Iran); (xix) Dr. Eunmi Hong (Korea); (xx) Wan Mohd Sulaiman (Malaysia); (xxi) Mrs. Zalilah binti Selamat (Malaysia); (xxii) Syewoon Hwang (Korea); (xxiii) Dr. Aynur Fayrap (Turkey); (xxiv) Mrs. Robiah Lazim (Malaysia); (xxv) Mrs. Noor M. Naqi (Iraq); (xxvi) Mr. Clarke Ballard (Australia); (xxvii) Mr. Maurice Roos (USA).

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

*(Chair VPH Dr. Mark Svendsen has informed that he was unable to attend the Korea meeting and desires to step down from the Working Group. Vice Chairman Watanabe Chaired the meeting.)*

**WG-CLIMATE Minutes Item 1: Action taken report by Chair**

1. Acting Chair reported on the actions taken on the various decisions of the working group at its last meeting held at Mardin.

**WG-CLIMATE Minutes Item 2: Review of the membership of the working group**

2. The Pakistan National Committee (PANCID) had requested to reconsider the nomination of Engr. Riaz Ahmad Khan for the membership of the group. Mr. Khan was not present, and the nomination was accepted as 'Provisional Member' for one year. The new nominee would be expected to contribute to the activities of the working group by actively participating in the WG meetings, by e-mail or video-conferencing during the year for regularizing the membership of the WG thereafter.

3. CNCID requested the replacement of Dr. Heping Hu with Dr. Tian Fuqiang, which was approved subject to the written nomination to be received from CNCID.

**WG-CLIMATE Minutes Item 3: Global Framework for Climate Services**

4. Mr. Robert Stefanski, Chief of Agricultural Meteorology Division, WMO, was invited to delivery a talk entitled "On Global Framework for Climate Services and ICID". Integrated Drought Management Programme – IDMP was mentioned and regional projects such as South Asia Drought Monitoring System was described. Secretary General Avinash Tyagi emphasized on the issues of the utilization of the seasonal forecast in South Asian region, and the case studies that are planned to be taken up in India and Sri Lanka for the use of climate outlooks

provided by WMO in the region. Responses from the attendance raised discussions on the interpretation of uncertainty, dialogue between meteorologists and water managers and engineers and the need to work on capacity building on the farmers' side. In general, WG showed interests in providing the input on enhancing the usefulness of the meteorological information for use in the management of irrigation and drainage. It was suggested to enhance cooperation between WMO in other WGs. The WG also deliberated on the enhancement of collaboration with other international organizations like WMO as part of the future mandate of the WG and implement steadily.

#### **WG-CLIMATE Minutes Item 4: WG related events**

5. The theme of the 22<sup>nd</sup> ICID Congress was “Securing Water for Food and Rural Community under Climate Change”, and under this theme, two Congress questions were raised. One of them was the Question 58: “How Irrigation and Drainage play an important role in Climate Change Adaptation?” with three sub-questions; Q.58.1 “: Understanding Impacts of Climate Change on Land and Water Use”, Q58.2 “Revisiting Design and Operation Criteria for Irrigation and Drainage Facilities”, and Q58.3 “Managing Frequent Floods and Droughts”. On this Question 58, seventy five papers and posters were presented. Prof. Watanabe, the vice-chair of the WG-CLIMATE, acted as the General Reporter for Q.58 and delivered the General Report on 14 September and the wrap-up presentation on 16 September. The outcome from the different sessions on Question 58 are presented in the Gwangju Statement brought out at the 22<sup>nd</sup> Congress.

#### **WG-CLIMATE Minutes Item 5: Publications of the working group**

6. The work on the publications was suspended. WG decided to put the publications of the working group, along with the working plans, in the future agenda.

#### **WG-CLIMATE Minutes Item 6: Tenure of the working group**

7. As the present tenure of the WG comes to a close in 2014, WG decided to propose three years extension taking its role and outcomes up to the date into account, and will review the mandate and formulate a new mandate if necessary in the context of future needs by developing a Scoping Document. The scoping document is to be prepared while seeking approval of the extension from PCTA and IEC. To work on the Scoping Document, WG members nominated Prof. Watanabe to be the lead and, Prof. Wu as the co-leader, and Dr. Tian be the Secretary of core group.

#### **WG-CLIMATE Minutes Item 7: Website of the working group**

8. Members were encouraged to access the WG-CLIMATE website <<http://wg-climate.icidonline.org/>> and provide additional material/ documents/ reports/ articles for its posting on group's website.

#### **WG-CLIMATE Minutes Item 8: Mini Workshop of the WG-Climate**

9. Following five presentations were presented with 15 minutes each where more than 30 persons attended:

- (i) Dr. Jacques PLANTEY, France, “CIID/AFEID, GWP & France’s proposals for inputs to WWF7 and COP21 about water management and food security faced to climate change challenges”.
- (ii) Dr. WU Ray Shyan, Professor of Civil Eng., National Central University, Chinese-Taipei, “Overview of Taiwan Climate Change Projection and Information Platform Project (TCCIP)”
- (iii) Dr. TIAN Fuqiang, Associate Professor, Department of Hydraulic Engineering, Tsinghua University, China, “Impact of climate change on human-water relationship: a socio-hydrological perspective in Tarim River basin of China”
- (iv) Dr. Takao MASUMOTO, National Institute for Rural Engineering (NIRE), NARO, Japan, “An Approach to Assessing Damage on Rice Yield associated with Paddy Inundation by Climate Change”
- (v) Dr. Udaya Sekhar NAGOTHU, Bioforsk (India/Norway), “An integrated science-stakeholder-policy approach to develop Adaptation framework for Water and Agriculture sectors in selected states of India”

10. The meeting was concluded after the presentations.





**Minutes of the 19<sup>th</sup> Meeting of the  
WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)  
17 September 2014, 13.30-15.00 hours [Session I]  
17 September 2014, 15.30-17.00 hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: On-Farm**

**Year of Establishment: 1995**

**Completion of the Mandate: 2016**

**Mandate:** To promote a safe and good management of poor quality water for irrigation, to minimize the negative impact on human health and the environment, to promote the multiple use of poor quality water, and to give consideration to the institutional and legislation aspects with regard to the use of poor quality waters.

**Members Present:** (1) Vice President Hon. Dr. Samia El-Guindy, Chair, 2011 (Egypt, 1999); (2) Dr. Takanori Nagano (Japan, 2011); (3) Dr. Ding Kunlun (China, 2012); (4) Secretary General Avinash Tyagi represented by Mr. Madhu Mohanan.

**Observers:** (i) Prof. Ashraf El-Sayed (Egypt); (ii) Dr. Hussein El-Gammal (Egypt); (iii) Nor Hisham Mohd Ghazali (Malaysia); (iv) Mohd Azmi Ismail (Malaysia); (v) Mr. Thubelihle A. Thebe (Zimbabwe); (vi) Mr. Ahmed Aziz (Iraq); (vii) Kadhim Mohsin (Iraq); (viii) Kwang Sik Yoon (Korea); (ix) Pong Ho Choi (Korea); (x) Sang Soo Brek (Korea); (xi) Aiman Elsaadi (Egypt); (xii) Hussein Gamal Karaman (Egypt); (xiii) Dr. Jeongryeol Jang (Korea); (xiv) Mr. Inhong Song (Korea).

**Website:** <http://wg-pqw.icidonline.org/>

**WG-PQW Minutes Item 1: Action taken report by Chair**

1. As the Chair of the WG could not attend the last two meetings due to some administration problems, the action taken report could not be presented.

**WG-PQW Minutes Item 2: Review of the membership of the working group**

2. The Turkish National Committee (TUCID) had informed the Central Office to remove the membership of Ms. Nur Kuru from the WG. Dr. Magdy Abdel Hamid (Egypt) was delisted due to absence in last two meetings. WG requested Central Office to approach each national committee, to revise and nominate new members who are active and interested in the topic of the working group.

**WG-PQW Minutes Item 3: Presentations by members**

3. The members who had proposed to make presentation neither participated nor submitted their presentations. Chairman then invited members and observers to share the experience of their countries about water reuse.

4. Representative from Malaysia informed that they see opportunity for recycling water due to increased demand in urban areas. Zimbabwe seeks reuse of sewage water for irrigation to control contamination of rivers. In China, currently, there is no technical criteria for reuse of poor quality water. Long field experiments are necessary to create standards. Egypt started to reuse drainage water in 1924. Reuse is carried out by the government. First law on reuse came in effect in 1982.

5. It was informed that in the next meeting in 2015, Dr. Ding Kunlun (China) will present the case study from China. Members from Japan and Malaysia proposed to present country experiences of water treatment in rural communities. Dr. Ashraf from Egypt will present the Egyptian practice and experience of the reuse of non-conventional water resources and the Chairman will present the developed criteria for the use of saline water in MENA countries.

**WG-PQW Minutes Item 4: Cooperation with International Organizations**

6. ICID is being requested by other international organizations for providing guidelines for reuse of waste water in agriculture. Under the current situation with limited participants (only two), Chairman finds it difficult to carry out this task. This item will be discussed in items 5-9.

**WG-PQW Minutes Item 5: Publications of the working group**

7. During the last meeting, the Group had decided to consider publication of Technical notes based on the submissions of the five proposed technical reports.

8. So far, technical paper on “Impact of Irrigation by saline water on soil and crop production” from Dr. Anna Tedeschi and “Impact of tsunami on farmland and the progress of rehabilitation after the great Japan earthquake” from Dr. Takanori Nagano have been received.

9. The reports from others viz. Dr. Tapas Biswas (Australia) on “The use of poor quality water and the new biofuel crops”; Dr. Bernard Vincent (France) on “Mitigation of subsurface drainage pesticide pollution by use of pipe constructed wetlands” and Dr. Leon Van Rensburg (South Africa) on “Irrigation by using poor quality water” are still awaited.

10. Chairman finds it difficult to produce technical notes this year. Two papers already received can be published in the ICID journal if authors wish to submit.

11. For the year 2015, the Working Group proposes to organize a joint workshop with the French National Committee on the “Use of Treated Waste Water for Agriculture”. The proposed subthemes could be “Policies and Planning”, “Institutional setup”, “Low Cost Treatment Technologies”, “Social Dimensions”, “Environment and Health Impacts”, “Finance and Cost Recovery”, “Legislations and Regulations”. In this context, the chairman has already contacted Mr. Francois Brelle, Chairman of the ICID 2015 Organizing Committee to cooperate for the preparation of the workshop.

**WG-PQW Minutes Item 6: Symposium on Non-point source pollution – NPS and best management practices, Korea 2014**

12. No paper was submitted to this symposium by the working group members.

**WG-PQW Minutes Item 7: Exchange of information (video/audio conferencing)**

13. Members appreciated the use of this technology.

**WG-PQW Minutes Item 8: Website of the working group**

14. Members were satisfied and observers also appreciated using the website. National committees are advised to access to the website to benefit from the different experiences.

**WG-PQW Minutes Item 9: Any other business**

15. One of the ultimate goals of the working group is to develop guidelines for use of poor quality water for irrigation. This activity requires more consultations and the time. The first step is to organize the workshop next year. Further steps will be completed during next meeting.

**WG-PQW Minutes Item 10: Updating ‘Basic Information’ for ICID website**

16. Mr. Madhu Mohanan from ICID Central Office gave information about the Dropbox and it will be followed up in due course by WG.



**Minutes of the 2<sup>nd</sup> Meeting of the  
TASK FORCE TO GUIDE ICID INPUTS TO 7<sup>TH</sup> WORLD WATER FORUM (TF-WWF7)  
17 September 2014, 13.30-15.00 hours  
18 September 2014, 09.00-10.30 hours  
Gwangju, Republic of Korea**

**Strategy Theme: Knowledge**

**Year of Establishment: 2012**

**Completion of the Mandate: 2015**

**Mandate:** (1) To provide overarching lead role on behalf of ICID for inputs to 7th WWF by liaising with: (i) National Committees for required inputs for active participation in the themes of 7th WWF which are of direct relevance to ICID, and (ii) Workbodies on specific subjects related with 7th WWF, (2) To liaise with Korean National Committee (KCID) for preparatory work of 7th WWF; (3) To liaise with 7th WWF Program Committee and other International Bodies, especially FAO, interested to participate in the activities proposed to be organized during the 7th WWF; and (4) To regularly report to the IEC of the developments in the preparatory works leading to 7th WWF and recommend ICID inputs for consideration in 64th IEC.

**Members Present:** (1) Vice President Hon. Shinsuke Ota, Chairman (Japan); (2) President Hon. Prof. Dr. Bart Schultz (The Netherlands); (3) Vice President François Brelle (France); (4) Vice President Hon. Karim Shiati (Iran); (5) Vice President Prof. Tai Cheol Kim (Korea); (6) Secretary General Avinash Tyagi.

**Member Hon. Present:** (i) President Hon. Peter Lee (UK); (ii) Vice President Hon. Dr. Frank Dimick (USA); (iii) Vice President Dr. Huseyin Gundogdu (Turkey);

**Observers:** (I) Chau-Gong Jong (Taiwan); (ii) Dr. Chung-Feng Ding (Taiwan); (iii) Mr. Yaser Barghi (Iran); (iv) Dr. Ruey-Chy Kao (Taiwan); (v) Mr. Ian W. Makin (UK); (vi) Mr. Thierry Facon (Thailand); (vii) Prof. N. Hatcho (Japan); (viii) Mr. A.B. Pandya (India); (ix) Ray-Gwo Dong (Taiwan); (x) Dr. Kazumi Yamaoka (Japan); (xi) Naoki Hayashida (Japan); (xii) Kwang Sik Yoon (Korea); (xiii) Kyung-Sook Choi (Korea); (xiv) Mr/ Masao Miyazaki (Japan); (xv) Se-Won Lee (Korea); (xvi) Dail Kim (Korea); (xvii) Sung Hee Lee (Korea); (xviii) Sujin Heo (Korea); (xix) Prof. Yohei Sato (Japan); (xx) Robina Wahaj (FAO); (xxi) Yoshiharu Nakagami (Japan); (xxii) Mr. Toru Hayashi (Japan); (xxiii) Dr. Arthon Suttigarn (Thailand); (xxiv) Mr. Uno Keichi (Japan); (xxv) Prof. Tsugihiko Watanabe (Japan); (xxvi) Mr. Syaiful Mahdi Naumin (Indonesia); (xxvii) Dr. Aynur Fayrap (Turkey); (xxviii) Chun Yi Liu (Taiwan).

**TF-WWF7 Minutes Item 1: Action taken report by Chair**

1. Chairman VPH Shinsuke Ota reported on the actions taken on the various decisions of the Task Force at its last meeting held at Mardin.

**TF-WWF7 Minutes Item 2: Review of the membership of the Task Force**

2. The Task Force noted that the Chair of ASRWG VPH Karim Shiati was included as one of the members of TF-WWF7, which was endorsed by the Committee and accepted by the Council.

**TF-WWF7 Minutes Item 3: Lessons from the 6<sup>th</sup> World water Forum and follow up on commitments, progress on MoU between AFEID and KCID, and publications brought out**

3. In view of consistency of ICID activities, PH Prof. Bart Schultz pointed out the importance of the commitments made in WWF6 and their progress should be reviewed for WWF7.

4. Regarding MoU signed between AFEID and KCID, Dr. Daesu EO from KCID and Mr. Francois Brelle of AFEID commented so far particular action has not been taken due to various reasons. The chair expressed his expectation that both parties will move forward the MoU for WWF7.

5. The TF was informed that the synthesis of theme 2.2 of the 6<sup>th</sup> World Water Forum, the report "Food Security by Optimal Use of Water" was brought out in January 2014.

**TF-WWF7 Minutes Item 4: Consideration of the ‘Discussion paper’ on “Role of ICID in 7<sup>th</sup> World Water Forum” and recent progress of ICID involvement in Processes for WWF7**

6. ‘Discussion paper’ was reviewed based on the information obtained, actions taken and decisions made after Mardin meeting. The mandate of the task force as approved in Mardin, was “Role and efforts of agricultural water sector to the world water issues will be widely acknowledged”, and the chair highlighted various important viewpoints of MDGs/SDGs, Asian aspects, diversified irrigation and drainage efforts and policy directions of each country. The chair explained these aspects could be dealt within the ICID related activities in WWF7.

7. The schemes proposed in Mardin were reviewed taking its present possibility into consideration and the following strategy was supported by the members.

- (a) *Ministerial meeting on water for food and agriculture.* High-level panel on Water and Food Security is to be jointly organized by FAO and WWC, and ICID will actively take part in this panel as a panelist.
- (b) *Symposium on role and efforts of irrigation sector to the world water issues with panelists selected from statesmen to farmers and representatives of other water sectors.* As WWF7 introduced new idea “Implementation Roadmap (IR)”, which includes prioritized actions between WWF7 and WWF8, sessions during WWF7 are to be designed placing emphasis on preparing and discussing about IR instead of holding this kind of symposium. Hence, this scheme could be included in the relevant IR to be organized after WWF7, e.g. at the occasion of WIF2.
- (c) *Symposium on launching World Water Heritage System.* This could be arranged in line with World Water System Heritage program (WWaSH) proposed by ICID to WWC and approved by the WWC Board of Governors.
- (d) *Technical session on experienced solutions proposed at WWF6.* Although this scheme was originally designed to be organized in Science & Technology process, it became clear the main focuses for S&T process are not fit to ICID focuses. Therefore, it was agreed that ICID’s efforts in this matter should be directed mainly to Thematic Process. This could also be organized in WIF2 and included in Implementation Roadmap.
- (e) *Poster session on water saving efforts, etc. and issue of PR Materials.* The poster session should be arranged aiming at gaining publicity of ICID activities and contributions from NCs and WGs are very much welcome. PR materials could be issued by NCs and WGs and included in the Implementation Roadmap.

**TF-WWF7 Minutes Item 5: Thematic process - Session 2.1 “Water for Food”**

8. The chair reported recent progress of preparation for WWF7 as follows.

9. The 51<sup>st</sup> WWC Board of Governors meeting and the 2nd stakeholders’ consultation meeting were held in Gyongju, Korea, in February 2014. Among other administrative issues, the Board of Governors of WWC decided to award the hosting of 8th WWF in 2018 to Brasilia, Brazil. In the stakeholders’ consultation meeting, more than 500 representatives from the world water community participated in which Secretary General Avinash Tyagi and VPH Shinsuke Ota joined the thematic process workshop. Under Topic 2.1 Water for Food, 14 important fields were identified.

10. He informed that in June, ICID was recognized as a ‘Design Group’ member, and since then the chair has been acting as the contact point of ICID and actively participating the designing of the session. Through the email exchange among the group members, the following 5 sessions under .1 Water for Food were narrowed down from 14 important fields identified in the 2nd stakeholder consultation meeting.

- 2.1.1 Best available technology (BAT) to make efficient use of water in Agriculture
- 2.1.2 Water quality management for agriculture and environment
- 2.1.3 Modernization of irrigation schemes
- 2.1.4 Adaptation to changing environmental circumstances to increase sustainability (which includes Climate Change and Nexus)

2.1.5 Innovating and integrating farmer capacity building, soil management and use of technologies to transform water use in agriculture

11. ICID volunteered to serve as a coordinator of Session 2.1.3 “Modernization of Irrigation Schemes”, which is to be organized jointly with KRC.

12. AFEID and JNCID have been included as a member of the respective session groups 2.1.4 and 2.1.5, while ASRWG has been included as a member of the Asian Regional Session 3 “Water and Food Security”. The chair expressed his sincere thanks for the active contributions of the above NCs and WG.

13. The chair reported the progress of the session 2.1.3, including direction of modernization of irrigation schemes, session concept and possible actions taken by ICID. Draft filled-out Thematic Process Session Proposal Form was also distributed asking for comments and input. Finally, the chair explained possible contributions from NCs and WGs and expressed strong expectation of their active inputs for the achievement of the mandate.

**TF-WWF7 Minutes Item 6: Regional process for Asia Pacific – Session on water and food security**

14. Mr. Thierry Facon of FAO-RAP made a presentation as the coordinator on the session 3: “Water and Food Security” to be organized in Regional Process for Asia Pacific. The chair stressed the importance of close collaboration between his session and Session 2.1.3, and it was shared by the both sessions and will actively exchange information and ideas.

**TF-WWF7 Minutes Item 7: WWF7: Collaboration between ICID, GWP and French Water Partnership**

15. Mr. Jacques Plantey of AFEID presented the project of the French Group on “Water Management and Food Security faced to Climate Change challenges: Scenarios and solutions in different regional contexts”. Following the guidance of the chair, his team joined the session 2.1.4 as a member. Taking this opportunity, he called for contribution to this project. The chair expressed that he would support this project making use of his experiences in the study by ARTF-CC (Asian Regional Task Force on Climate Change) as its chair.

**TF-WWF7 Minutes Item 8: An event on Water and Heritage jointly by IWHA, ICID and ICOMOS**

16. Dr. Kazumi Yamaoka has been actively involved in the President Gao’s proposal to WWC “World Water System Heritage program (WWaSH)” and explained the concept and progress of the program. As this program was officially approved by the recent WWC Board of Governors meeting, the participants felt that ICID’s initiative to this program should maintain momentum.

17. Dr. Kazumi Yamaoka also referred to the cooperation between ICID and ICOMOS-Netherlands in the field of holding special event at the occasion of WWF7 and a scientific and reviewed publication on Water and Heritage to be published for WWF7. It was confirmed that ICID will be actively involved in these schemes.

**TF-WWF7 Minutes Item 9: Special Session on the Water-Energy-Food Nexus**

18. A Special Session on the Water-Energy-Food nexus was proposed by Dr. Unver, the coordinator for 2.1 Water for Food. He had contacted the coordinator for 2.2 Water for Energy for exploring the possibility of collaboration. ICID supported this proposal and would contribute to the session if the proposal be accepted as the chair has been actively involved in International Water and Energy Conference to be held in October 2014 in Lyon, France as a scientific committee member. Seeking for mutual collaboration between energy sector and agricultural water sector (and others), he proposed a workshop for the conference on this issue. The chair made a presentation using the draft version of power point slides in order to obtain additional inputs from ICID colleagues.



**Minutes of the 5<sup>th</sup> Meeting of the  
WORKING GROUP ON WATER FOR BIO-ENERGY AND FOOD (WG-BIO-ENERGY)  
18 September 2014: 09:00-10:30 hours  
Gwangju, Republic of Korea  
Strategy Theme: Basin**

**Year of Establishment: 2010**

**Completion of the Mandate: 2014**

**Mandate:** Evolve “ICID’s position on Water for Bio-Energy and Food”

**Members Present:** (1) VP Laurie C. Tollefson (Canada, 2010); (2) Dr. Fuqiang Tian (China); (3) Dr. Vijay K. Labhsetwar, Director, ICID.

**Observers :** (i) Dr. Andre Roux (South Africa); (ii) Dr. Eunhee Choi (Korea); (iii) Dr. Sandor Szalai (Hungary); (iv) Dr. Chan Chee Sheng (Malaysia); (v) Dr. Hussein El-Gammal (Malaysia); (vi) Dr. Noor M. Naqi (Iraq); (vii) Dr. Ahmed M. Aziz (Iraq); (viii) Mr. Mohammad Sadegh Javadi (Iran); (ix) Dr. Gao Hong (China); and (x) Ir. Zhang Yi (China).

**WG-BIO-ENERGY Minutes Item 1:           Action Taken Report by Chair**

1. The Chairman reviewed actions taken on the decisions made based on minutes of the Mardin (2013) meeting.

**WG-BIO-ENERGY Minutes Item 2:           Membership of the Working Group**

2. No new nominations were admitted to the WG.

**WG-BIO-ENERGY Minutes Item 3:           Publications of the Working Group**

3. Based on presentations of country reports during WG meetings / internal workshops over the years, Chairman has developed and presented a draft technical paper on ‘Water for Bio-Energy and Food’. It will be further reviewed and submitted for publication.

4. The WG has completed its mandate by publishing the above Technical Report on “Water for Bio-Energy and Food”. Given the limited number of contributing countries, the document submitted has been considered as a ‘Technical Report’ and not as ICID position paper. It will be peer reviewed / improved and published in 2015.

5. The discussions during the PCTA meeting have since suggested that the WG may bring out its current work as a Technical Report. The Committee recommended not to close the WG at this point of time and a new scoping document be developed to reorient its objectives and the scope of its activities. The future course of action on the WG may be decide in its next meeting at Montpellier, France in 2015.

**WG-BIO-ENERGY Minutes Item 4:           Any other business**

6. The Chairman recommended that the WG-BIO-ENERGY would be closed. In the meeting, the members have shown their interest and recommended that further activity on energy crops would be considered under the WG-CROP (Water and Crops).



**Minutes of the 3<sup>rd</sup> Meeting of the  
TASK FORCE ON VALUE ENGINEERING (TF-VE)  
18 September 2014: 09:00-10:30 hours  
Gwangju, South Korea**

**Strategy Theme: Knowledge**

**Year of Establishment: 2012**

**Completion of the Mandate: 2015**

**Mandate:** The objective of the Task Force (TF) would be to promote the application of Value Methodology (Value Engineering, Value Analysis, Value Planning, Value Management and Value Engineering Change Proposal (VECP)) in irrigation, drainage and flood management projects to increase benefits, reduce cost and ensure sustainable irrigated agriculture.

**Terms of Reference (ToR)**

1. Develop a Website on application of Value Engineering in Irrigation and Drainage projects
2. Produce a Documentary on application of Value Engineering in Irrigation and Drainage projects
3. Organize workshops and seminars on application of Value Engineering in Irrigation and Drainage projects
4. Prepare a Manual on application of Value Engineering in Irrigation and Drainage projects

**Members Present:** (1) Dr. Kamran Emami, Chairman, 2013 (Iran, 2012) and (2) Ir. Nor Hisham M. Ghazali, Secretary, (Malaysia, 2013); and (3) Dr. Vijay K. Labhsetwar, Director, ICID Central Office.

**Officer-Bearers Hon:** VPH Dr. Hafied Gany (Indonesia).

**Observers:** (i) Ir. Enayatolah Farahani (Iran); (ii) Ir. Mostfa Vatabzadeh (Iran); (iii) Ir. Moito Azimi Ismail (Malaysia); (iv) Ir. Noorhoa Mokhtar Manoa Imoa (Malaysia); (v) Ir. Hussein El-Gammal (Egypt); (vi) Mohd. Azmi Ismail (Malaysia); (vii) Ir. Nooraida Mokhtar (Malaysia); (viii) Mrs. Zahlah Selamat (Malaysia); (ix) Dr. Toshihiko Kuno (Japan); and (x) Mr. Suman Sijapati (Nepal).

**Website:** <http://tf-ve.icidonline.org/>

**TF-VE Minutes Item 1: Action Taken Report by Chair**

1. The Chairman Dr. Kamran Emami (Iran) circulated statistics of savings in US Land Highway Programme 1997-2012:
  - (a) Examples of application of VE on US Army Corp of Engineers projects were presented. It was mentioned that with 50 years of experience in VE and a number of cases with saving from \$ 1m to \$ 61 m and (2% to 65% of the project cost.). Dr. Emami mentioned that the total saving of VE in Corps of Engineers was more than \$ 5.3 Billion and 7000 engineers and managers attended VE training course in U.S. Army Corp. of Engineers.
  - (b) VE resulted in a total saving of US\$ 23 billion from projects worth US\$ 374 billion.
  - (c) All in all, for each US\$ 1 spent in value, US\$ 150 saving achieved on project.
  - (d) A Value Story (example of VE in practice) video was shown to illustrate the concept of VE applied for a small household project (heat / fire detection equipment).
  - (e) DVD on VE was distributed.

**TF-VE Minutes Item 2: Membership of the Task Force**

2. Dr. Toshihiko Kuno (Agriculture) has been nominated by the Japanese National Committee of ICID (JNC-ICID) and his membership was accepted by the TF-VE. Mr. Suman Sijapati (Nepal) has been nominated by Nepal National Committee of ICID (NENCID) and his membership was accepted by the TF-VE.

**TF-VE Minutes Item 3: Internal Workshop of TF-VE at Gwangju , Korea in 2014**

3. An Internal Workshop of TF-VE titled “Value Engineering Applications” was held on 18 September 2014 at Gwangju. The following presentations were made during the workshop:
  - (a) Eng. Nor Hisham Mohd Ghazali (Malaysia) presented the Malaysian Experience in implementing Value Management: “Implementing value management for a flood mitigation project – Malaysian experience”

- (b) Dr. Toshihiko Kuno presented the practice of VE in Japan: “VE practice in Japan”
- (c) Dr. Kamran Emami and Ir. Saeed Pourshahidi from Iran presented a value engineering case study in irrigation and drainage from Iran: “Value Engineering Change Proposal of Irrigation and Drainage Networks in Ramhormoz - Iran”.

4. The Chairman proposed a Seminar/Workshop on ‘Value Engineering’ to be held in conjunction with the 26<sup>th</sup> ERC in Montpellier, France in October 2015.

#### **TF-VE Minutes Item 4: Publication of the TF**

5. The working group decided to finalize the Manual on Application of Value Engineering in Irrigation and Flood Projects by the end of the tenure in 2015. The manual would include case studies on irrigation, drainage and flood projects. Members were encouraged to contribute towards the draft of ‘Value engineering manual for irrigation and drainage projects’. The Chairman suggested that where VE terms differ, those used by SAVE International should be used to ensure consistency. The TF has revised its work plan as in **Annex**.

#### **TF-VE Minutes Item 5: Developing the Website**

6. A number of documents and presentations on VE have already been uploaded on TF-website and the chairman encouraged the members to submit more relevant documents. The working group has prepared a DVD on Value Engineering as training material on VE with English subtitles. The DVDs have been distributed among all National Committees. Hopefully, the DVD will be made available to the irrigation experts in the member countries.

#### **TF-VE Minutes Item 6: Any other Business**

7. Some of the observer from Malaysia where VE studies are legal requirement, have asked the WG to organize a workshop on Application of Value Engineering in Irrigation and Flood Projects in Malaysia. To a question from Hj. Zalilah Selamat (Malaysia) on human resources (capacity) building in VE, the Chairman explained key success criteria for value engineering program as:

- (a) Experience
- (b) Expertise
- (c) Training
- (d) Support of senior management
- (e) Laws and regulation (imposing value engineering on projects based on a criteria)
- (f) Doing the VE studies on selected projects.





**Annex** [Appendix XIX, Item 4]**TWO-YEAR WORK PLAN**

<b>Activity*</b>	<b>2014</b>	<b>2015</b>
<i>Publications</i>	√	√
Produce documentary	√	√
Prepare Manual	√	√
<i>Workshop</i>		√
Organize Workshop	√	
Develop website	√	√



**Minutes of the 7<sup>th</sup> Meeting of the  
WORKING GROUP ON WATER MANAGEMENT IN WATER  
STRESSED REGIONS (WG-DROUGHT)  
18 September 2014: 11:00-12:30 hours [Session I]  
18 September 2014: 13:30-15:00 hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: Basin**

**Year of Establishment: 2008**

**Completion of the Mandate: 2015**

**Mandate:**

- (i) Drought Management Strategies: To capture field experiences of the implementation of drought risk management strategies.
- (ii) Coping with water scarcity: (a) Critical evaluation of the validity of the crop water requirement computations based on climate data as a tool to be used in coping with water scarcity; (b) Approaches and strategies for incorporating economic justification when deciding on the amount of water to be allocated for agricultural production; (c) Re-defining, as necessary, the conventional irrigation efficiency concept; and (c) Design, operation and maintenance of sand dams – Under-ground water reservoirs.
- (iii) Rainfall management for sustainable agriculture: Innovation and implementation of smart rainfall management technologies.

**Members Present:** (1) VPH Franklin E. Dimick, Chairman (2009) (USA, 2008); (2) Mr. Mohammad Sadegh Jafari, Vice-Chairman (2009) (Iran, 2008); (3) Mr. V.C. Ballard, Secretary (2013) (Australia, 2012); (4) Vice President Hon. Dr. Ragab Ragab (UK, 2008); (5) Prof. Chang-Chi Cheng (Chinese Taipei, 2008); and (6) Dr. Takanori Nagano (Japan, 2011).

**Members Hon. Present:** (i) VPH Dr. M.H. Amer (Egypt); (ii) VPH Dr. Samia El-Guindy (Egypt); and (iii) VPH Dr. Hafied Gany (Indonesia).

**Observers:** (1) Dr Abraham Mehari Haile (The Netherlands); (2) Ir. Gwo-Hsing Yu (Taiwan); (3) Ir. Ray-Jao Chang (Taiwan); (4) Ir. Wan Mohd Sulaiman (Malaysia); (5) Dr. Mohamed Wahba (Egypt); (6) Prof. Andre Roux (South Africa); (7) Mr. Maurice Roos (USA); (8) Dr. Sylvester Mpandeli (South Africa); (9) Dr. Robert Stefanski (WMO / Switzerland); (10) Ir. Ming-Young Jan (Taiwan); (11) Dr. (Ms.) Sabine Seidel (Germany); (12) Ir. Zhang Yi (China); (13) Ir. Gao Hong (China); (14) Ir. Wahidolla Salehi (Afganistan); (15) Ir. Noor M. Nadi (Iraq); (16) Dr. Sandor Stalai (Hungary); (17) Ir. Mostafa Vatanzadeh (Iran); (18) Ir. Enayatollah Farahani (Iran); (19) Ir. Johannas Deelstra (Norway); (20) Dr. Marco Arcieri (Italy); and (21) Ir. Chour-Gong Jong (Taiwan); (22) Ir. Tarek Elsamman (Egypt); (23) Prof. Peter Cepuder (Austria); and (24) Mr. Jeff Shaw (USA).

**Website:** <http://wg-iadws.icidonline.org>

**WG-DROUGHT Minutes Item 1: Action taken report by Chair**

1. The Chairman reviewed actions taken on the decisions made during the Mardin meeting. The Chair reminded the members of their tasks and the timeline to complete the mandate of the WG.

**WG-DROUGHT Minutes Item 2: Review of the membership of the working group**

2. Memberships of Dr T.B.S Rajput (India) and Dr Kiwook Park (Korea) were discontinued because they have not participated in WG activities for the last two years or more.

**WG-DROUGHT Minutes Item 3: Presentations by Theme Leaders**

3. **Theme 1: Drought Management Strategies in Water Stressed / Scarce Regions** - Prof. Chang-Chai Cheng (Chinese Taipei) reported that he had looked at a lot of previous work about drought management strategies. However, there is still work to be done to reduce this to a succinct discussion of strategies.

4. **Theme 2: Coping with Water Scarcity** - Mr. Mohammad Sadegh Jafari (Iran) reported little participation from others to add to his papers on practices in Iran.

5. **Theme 3: Rainfall Harvesting and Management for Sustainable Agriculture in Water Stressed /Scarce Regions** – Mr. Ballard (Australia) presented a draft chapter attempting to cover the ten countries represented on

the Working Group. Quite good information was contributed from five countries, some from three countries and none from two countries. The result is a paper that is not broad enough to be really useful.

6. Dr. Nagano (Japan) presented a paper showing that there was little or no correlation between GDP per head of a country and its irrigation efficiencies, or between the water resource available and irrigation efficiency.

7. Mr. Maurice Roos (USA) presented a paper outlining the current drought situation in California, USA.

8. Dr. Abraham Mehrari Haile (The Netherlands) made a presentation on a forthcoming publication “Design Guidelines for Flood Based Farming Systems”. The work will be completed during the coming year, and it is desired to publish it under the auspices of the Working Group. Funds have been secured for publication.

9. The WG recognized that this topic is very relevant to its mandate and endorsed its publication subject to approval of the final manuscript.

#### **WG-DROUGHT Minutes Item 4: Publications of the Working Group**

WG-DROUGHT Minutes Item 4.1: Irrigation under Drought and Water Scarcity – publication of the erstwhile WG-IADWS

10. The WG-IADWS publication titled “Irrigation under Drought and Water Scarcity” was discussed and understood to be reviewed and edited by the Central Office There would be a sponsor for meeting publication costs.

WG-DROUGHT Minutes Item 4.2: Final output of the WG-DROUGHT

11. The WG confirmed that the final output of the publication of WG-DROUGHT would still be a single document with three chapters, but recognized that the deadline of 2014 could not be met. The WG desired that the tenure of the working group be extended for one year to complete its mandate.

WG-DROUGHT Minutes Item 4.3: New Mandate of the WG

12. The WG members considered that the existing WG would be wound up in 2015, but there would be merit in a new WG focusing on management of ongoing (permanent) water scarcity, whether caused by natural events or human intervention, rather than on (temporary) drought as the present WG has done.

#### **WG-DROUGHT Minutes Item 5: Work Plan**

13. A time frame was developed, with very specific questions to be asked to all countries who are members of ICID, and it is hoped that this will greatly broaden and increase the value of the document. The proposed time frame is:

- (a) Mid- October – send out specific request to member countries asking for response by end December;
- (b) End-December – material received by three team leaders;
- (c) End-March 2015 – team leaders provide completed chapters to Chairman to circulate within WG for comment;
- (d) End May-comments received;
- (e) End July-team leaders complete re-writes of chapters and forward to Chairman;
- (f) End August-Chairman to circulate whole document, with a forward, to be considered for final approval at Montpellier (France) in October 2015.

14. Observers were present from several countries indicated eagerness to respond to such a request.

#### **WG-DROUGHT Minutes Item 6: Any Other Business**

15. The Chairman recommended that the mandate of the WG be amended by dropping the aim of (a) re-defining conventional irrigation efficiency; and (b) critical evaluation of the validity of the crop water requirement. The members of the WG agreed.



**Minutes of the 4<sup>th</sup> Meeting of the  
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**  
18 September 2014: 11:00-12:30 hours [Session I]  
18 September 2014: 13:30-15:00 hours [Session II]  
Gwangju, Republic of Korea

**Strategy Theme: Basin**

**Year of Establishment: 2011**

**Completion of the Mandate: 2016**

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

**Members Present:** (1) Dr. Ruey-Chy Kao, Chairman (2011) (Chinese Taipei, 2007); (2) Dr. Hajime Tanji, Secretary (Japan, 2013), (3) Dr. (Ms.) Hsiao-Wen Wang (Chinese Taipei, 2010), as Young Professional represented by Ms. Chun-Yi LIU; (4) Prof. Budi Santoso Wignyosukarto (Indonesia, 2011); (5) Dr. Park Kiwook (Korea, 2011) represented by Ir. Jeongryeol Jange; (6) Prof. Zhang Zhanyu (China, 2012); (7) Ir. Hj. Nor Hisham Bin Mohd Ghazali (Malaysia, 2012); and (8) Er. Avinash C. Tyagi, Secretary General, ICID represented by Dr. Vijay K. Labhsetwar, Director, ICID.

**Observers:** (i) Dr. Park Sang Hyun (Korea), (ii) Ir. Michael Mierzwa (USA); (iii) Ir. Chung-Feng Ding (Taiwan); (iv) Ir. Hun Sun Lee (Korea); (v) Ir. Ray-Shyan Wu (Taiwan); (vi) Ir. Liao-Ta Hsin (Taiwan); (vii) Ir. Wen-Ping Chiang (Taiwan); (viii) Mr. Po-Hsien Sun (Korea); (ix) Ir. Yeh-Chu Liou (Taiwan); and (x) Prof. Gwo-Hsing Yu (Taiwan).

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

**WG-SDTA Minutes Item 1: Action Taken Report by Chair**

1. Dr. Ruey-Chy Kao, Chairman of the WG chaired the meeting and invited all the participants to introduce themselves.
2. The WG-SDTA had published a Special Issue titled "Sustainable Water and Land Management in Tidal Areas" in ICID Journal 'Irrigation and Drainage' (Issue: Vol 62, Supplement 1, October 2013). The WG organized an International Workshop on "Sustainable Management of Tidal Areas in the Era of Climate Change" on 14 September 2014 at Gwangju, Korea.
3. The WG-SDTA Handbook on 'Towards Sustainable Development of Tidal Areas – Principles and Experiences' was made available online on 22 October 2013 at ICID's e-publications (<http://www.debooks.in/product/towards-sustainable-development-tidal-areas-principles-experiences>) for US \$ 25.
4. During the year 2013-2014, the WG-SDTA had communicated with WG supporters and contributors as well as ICID Central Office for various issues by approximately 80 e-mails. The communication included the draft agenda and minutes for preparing the workshop and short course etc.

**WG-SDTA Minutes Item 2: Review of the membership of the Working Group**

5. KCID proposed to replace Dr. Kiwook Park with Dr. Jeongryeol Jang. Dr. Jang can share his knowledge on tidal project for his contribution. His membership is subject to the nomination from KCID for the working group.
6. On the basis of non-attendance, non-participation, no communication with ICID (ICID by-law 3.6) during the last 2 or more consecutive years, the WG decided to discontinue the membership of Engr. Md. Ahasan Ullah (Bangladesh). However, WG will further ask the Bangladesh NC to submit a fresh nomination.

**WG-SDTA Minutes Item 3: International Workshop on Sustainable Management of Tidal Areas in the Era of Climate Change on 14 September 2014 at Korea**

7. An International Workshop on ‘Sustainable Management of Tidal Areas in the Era of Climate Change (IW-SDTA)’ was held on 14 September 2014 at Korea with 8 sub-themes. Prof. Ruey-Chy Kao (Taiwan) Chaired the workshop with the help of Session Vice-Chairman Dr. Jeongryeol Jang (Korea) and Rapporteur Dr. Iuliia Danylenko (Ukraine). Seven papers were presented in the workshop as listed in **Annex 1**. Select papers will be considered for Special Issue of ICID Journal. This international workshop has highlighted new information relevant to the sustainable management of tidal areas in the era of climate change. Thanks to Dr. Park Sang Hyun (Korea), former Chair of WG-SDTA for inspiring to organize the workshop. Thanks also to the authors, reviewers, KCID and ICID Central Office for their cooperation and support.

**WG-SDTA Minutes Item 4: Short Course to be organized in 2015**

8. At Mardin (2013) meeting, the WG decided that a Short Course would be organized in 2015. Prof. Hsiao-Wen Wang (Taiwan) prepared a draft announcement for Short Course incorporating the suggestions from Vice-Chairman Prof. Henk Ritzema. The draft announcement indicating theme, scope, topics, date and venue, Principal Instructors and Contact co-ordinates for short course is available at **Annex 2**. The draft announcement would be further revised according to all the suggestions and opinions from the members and then passed on to ICID Central Office for circulation.

9. Chairman Prof. Ruey-Chy Kao discussed some issues with PH Prof. Bart Schultz and Dr. Vijay K. Labhsetwar, Director, ICID on 14 September 2014. PH Shultz hoped that the course will focus on the application of principles of SDTA in the field. The short course is likely to be held in Taiwan after IEC meeting in October 2015 and the duration could be six days; 3 days for lectures and 3 days for practical/field trip/technical tour. Invited experts from different countries will share their experiences on construction and management aspects of SDTA.

**WG-SDTA Minutes Item 5: Publications of the Working Group**

**WG-SDTA Minutes Item 5.1: A Special Issue of ICID Journal on SDTA in 2016**

10. The WG decided to publish a Special Issue of ICID Journal on SDTA in 2016. Papers received from internal workshop (2013) and international workshop (2014) would be the main source for the Special Issue of ICID Journal. The papers will be further reviewed and deliberated to ensure the quality before submission to the Journal. Dr. Henk Ritzema has been requested to establish a Review Committee in cooperation with Chair for selecting and reviewing papers for the Special Issue. After the initial review, the papers will be submitted to the Journal. Guest Editors for the Special Issue will be appointed by the Chief Editor of the Journal.

11. The cost of Special Issue is US\$ 15,000. For the last Special Issue, which was published in 2013; JNCID, KCID and CTCID shared the cost. Hope that these three NCs can sponsor the Special Issue in 2016 as well. And WG also hopes that other members of WG-SDTA will request their NC to share at least a part of the cost for the Special Issue.

**WG-SDTA Minutes Item 6: Work Plan and Future Activities**

12. The WG is planning to bring out various possible outputs emerging from the activities of the WG towards fulfilling its mandate. The activities will be completed by organizing internal/international workshops and short courses. To facilitate interaction among the members, the WG members will use ICID provided facilities such as video-conferencing to communicate in between two annual meetings of the Group.

**WG-SDTA Minutes Item 7: Any other business**

**WG-SDTA Minutes Item 7.1: Updating ‘Basic Information’ for ICID website**

13. The Chairman requested the WG members to help updating the ‘Basic Information’ related to their area of expertise and strengthen/ improve its contents and cooperate with ICID Central Office to enhance the utility of ICID website. Especially Japan, Korea and Taiwan having many tidal area reclamation and conservation experiences can provide related information for uploading onto the website.



**Annex 1 [Appendix XXI, Item 3]****LIST OF PAPERS PRESENTED IN THE IW-SDTA WORKSHOP (2014)**

<b>Sl. No.</b>	<b>Paper No.</b>	<b>Country</b>	<b>Presenter</b>	<b>Title</b>
1	119	Korea	Mr. Jae-Sang Jung	Flow Characteristics near Drainage Gates of the Saemangeum Tidal Dike
2	262	Korea	Prof. Jin-Young Choi	Monitoring of ecological and morphological changes in the near-shore area of the Saemangeum sea dike
3	340	Indonesia	Prof. Budi Santoso Wignyosukarto	Mini Polders, as an alternative of flood management in The Lower Bengawan Solo River
4	341	Taiwan	Dr. Chung-Feng Ding	Inundation and Land Subsidence Prediction in Yunlin County Taiwan Considering Climate Change
5	343	Korea	Ms. Ji Dal-Lim	Field Test for Planting Saemangeum Reclaimed Land
6	349	Korea	Dr. Jonghwa Ham	Evaluation of watershed management practices under uncertainty for water quality conservation in reclamation area
7	342	Japan	Prof. Hajime Tanji	How Japanese Government Can Turn Damage of Sea Level Rise to Decrease Flood Risk?



**Annex 2 [Appendix XXI, Item 4]****INTERNATIONAL SHORT COURSE ON  
RESILIENCE AND ADAPTATIONS TO CLIMATE CHANGE FOR  
SUSTAINABLE MANAGEMENT OF TIDAL AREAS****Scope:**

Tidal areas, with abundant ecosystems, are important interactive water-land environments. Due to the global climate change, tidal areas are threatened by rising sea levels, extreme flood and drought events, and so on. There is a pressing need to accelerate efforts for resilience and adaptation to climate change. Through learning processes and experiences sharing, feasible strategies of sustainable management of tidal area resources can be derived.

The International Short Course is organized by ICID's Working Group on Sustainable Development of Tidal Areas (WG-SDTA). The course is intended for resources managers, practitioners, researchers, and others who are familiar with the relevant issues in tidal area and wish to understand and apply the experiences to cope with climate change. Young professionals with at least five years of experience in the subject area are encouraged to participate. The course balances advance reading, lecture, fieldwork, and exercises. Participants will come play with a working knowledge based on international experiences and an understanding of the theory and tools for further applications.

**Topics include**

1. Special characteristics of land and water management in tidal areas
2. Impacts of climate change on land and water management in tidal area
3. Risk assessment and adaptive management considering climate change
4. International experiences of adaptations to climate change

**Venue: Taiwan****Date: After Montpellier IEC meeting****Participants: Less than 20 people**

**Principal Instructors:** Prof. Henk Ritzema (The Netherlands) and Prof. Hsiao-Wen Wang (Taiwan)

**Contact co-ordinates:** Prof. Ruey-Chy Kao (Chinese Taipei), **Workshop Chair**, E-mail: SDTA-THL@thl.ncku.edu.tw and Dr. Vijay K. Labhsetwar (ICID Central Office, New Delhi), **Workshop Coordinator**, E-mail: icid@icid.org



**Minutes of the 23<sup>rd</sup> Meeting of the  
COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**  
18 September 2014, 11.00-12.30, hours [Session I]  
18 September 2014, 13.30-15.00, hours [Session II]  
Gwangju, Republic of Korea

**Strategy Theme: Knowledge**

**Year of Establishment: 1992**

**Mandate:** (i) To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation; to identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out; to encourage National Committees to adopt a proactive role in communicating the role of water resources projects in serving mankind; and to encourage the use of communications specialists to ensure that the ICID public relations effort is effective, (ii) General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications, (iii) Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs; fixing number of copies of books; public relations for publications, recommendations on subsequent publications of ICID.

**Members Present:** (1) VPH Larry D. Stephens, Chairman (USA, 1992); (2) President Hon. Prof. Bart Schultz (The Netherlands, 2009); (3) Dr. Yingduo Yu (China, 2012); (4) Secretary General represented by Mr. Madhu Mohan.

**Observer:** (i) Mr. C.P. Arora (India)

**Website:** <http://c-prp.icidonline.org/>

**C-PR&P Minutes Item 1: Action taken report by Chair**

1. The Chair noted the excellent progress in developing the ICID website has occurred since the Mardin meeting.

**C-PR&P Minutes Item 2: Membership of the Committee**

2. Mr. C.P. Arora – Direct Member (India) was nominated for the membership of the Committee. The Committee welcomed Mr. Arora as a member of the Committee.

**C-PR&P Minutes Item 3: Publications brought out and under processing during period 2013-14**

**C-PR&P Minutes Item 3.1: Periodicals**

3. The ICID Periodicals were reviewed, including the e-Bulletin, News Update, News, and Annual Report. The members expressed their satisfaction at the dissemination of knowledge and information through these periodicals.

**C-PR&P Minutes Item 3.2: Special publications**

4. During the year, Central Office has brought out (i) Synthesis of the Theme 2.2 of the 6<sup>th</sup> World Water Forum – ‘Food Security by Optimal Use of Water’; and (ii) Summary Report of the First World Irrigation Forum, along with a DVD containing Integrated Report of the First World Irrigation Forum which includes: all speeches; background papers; keynote addresses; full papers; embedded live videos; interviews etc. These publications are for free distribution in electronic format (web and DVD).

**C-PR&P Minutes Item 3.3: Publications under processing**

5. Three publications are in processing by ICID: (i) *Inter-Basin Water Transfer: Global Experiences – Analyses and recommendations* (by erstwhile TF- IBWT); (ii) *Irrigation under Drought and Water Scarcity* (by erstwhile WG-IADWS); and (iii) *Water Use Charging Systems and Available Financing of Irrigation Development: Country Case Studies* (by TF-FIN).



**C-PR&P Minutes Item 3.4: Publications by National Committees**

6. National Committees are encouraged to provide copies of their publications to Central Office so that they can be included in the Integrated Library Management System (ILMS). National Committees are encouraged to make us of the new ILMS remote network feature to add their publications to strengthen the database. To enable activation of NC account on ILMS, NCs will be approached by the Central Office.

**C-PR&P Minutes Item 4: Sale of publications during the period 2013-14****C-PR&P Minutes Item 4.1: Sale of publications**

7. The Committee noted that only 33 copies of all publications were sold during the past year.

**C-PR&P Minutes Item 4.2: Policy for sale of ICID publications**

8. The Committee recommends that all ICID publications be made available for download at no charge.

**C-PR&P Minutes Item 5: Report on ICID Journal**

9. President Honoraire Bart Schultz made a report on the ICID Journal. He presented details on the papers submitted, approved and in progress. He noted that the trend shows an increase in the number of submitted papers and about only one-third of papers submitted were published. During 2013, five issues of 144 pages each were published. The papers included 268 authors from 37 countries. In addition, there were two sponsored special issues. The journal is now accessible in more than 9,000 libraries.

10. The best paper for 2013 was awarded to Marylou M. Smith and Stephen W. Smith for their paper "Agricultural/Urban/Environmental Water Sharing in the Western United States. Can Engineers Engage Social Science for Successful Solutions?" published in the issue of 62.3 of Irrigation and Drainage. There will be no special issues of the Journal during 2014, but four special issues are planned for 2015.

11. The agreement with the publisher Wiley is in place for the period 2014-2018. National Committees are entitled to five subscriptions for online only and five for online plus print.

**C-PR&P Minutes Item 6: Review of ICID website**

12. Mr. Madhu Mohanan presented a review of the ICID website. He reviewed new features, including a Heritage Irrigation Structures section that is under construction. He also reviewed the capability to show the site content in many languages, using Google translator and progress into developing an online version of the Multilingual Technical Dictionary (MTD). The Committee noted with the thanks the excellent development of the website.

**C-PR&P Minutes Item 7: Establishment of websites by workbodies**

13. The committee noted that 21 workbody websites are now operational and encourages new workbodies to establish their websites.

**C-PR&P Minutes Item 8: Publishing outcome of ICID workbodies**

14. The committee encourages workbodies that have completed their mandates should publish a summary of their work to enable Central Office to disseminate the information.

**C-PR&P Minutes Item 9: Exchange of information (video/audio conferencing)**

15. The committee encourages workbodies and National Committees to make use of the video conferencing capability now available. Details are available at [http://www.icid.org/co\\_whatsnew.html](http://www.icid.org/co_whatsnew.html).

**C-PR&P Minutes Item 10: Any other business**

16. The committee discussed the proposed development of an ICID video. While agreeing with the necessity for a corporate video, it was suggested that as a first step the audience for such a video should be clearly defined.



**Minutes of the 6<sup>th</sup> Meeting of the  
WORKING GROUP ON ENVIRONMENT (WG-ENV)  
18 September 2014, 11.00-12.30, hours [Session I]  
18 September 2014, 13.30-15.00, hours [Session II]  
Gwangju, Republic of Korea**

**Strategy Theme: Basin**

**Year of Establishment: 2008**

**Completion of the Mandate: 2015**

**Mandate:** To provide guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the environmental aspects of drainage and irrigation systems. The environmental aspects are physical, chemical, ecological, socio-economic and cultural, as well as concerns to the effects on climate and human health. By looking at environmental aspects, the working group will aim for the management of a sustainable environment, maximizing positive and minimizing adverse effects of irrigation and drainage systems.

**Members Present:** (1) Dr. Sylvain Perret, Chairman, 2011 (France, 2010); (2) Prof. N. Hatcho, Vice Chairman, 2011 (Japan, 2008); (3) Dr. Michael van der Laan, Secretary (South Africa, 2010) represented by Mary Jean Gabriel; (4) Dr. Hu Heping (China, 2008) represented by Dr. Tian Fuqiang; (5) Mr. Mohammad Kazem Siah (Iran, 2008) represented by Mortaza Yazdkhasti; (6) Mr. Osmo Antero Purhonen (Finland, 2008) represented by Mr. Olli-Matti Verta; (7) Dr. Joong-Dae Choi (Korea, 2008); (8) Mr. V.C. Ballard (Australia, 2010); (9) Mr. Ahmed Mohammad Aziz (Iraq, 2011); (10) Dr. Aynur Fayrap (Turkey); (11) Ir. Mohd Azmi Ismail (Malaysia, 2013).

**Member Hon. Present:** Vice President Dr. Gerhard Backeberg (South Africa)

**Observers:** (i) Mrs. Zalilah binti Selamat (Malaysia); (ii) Prof. Charlotte de Fraiture (Netherlands); (iii) Namjoo Heo (Korea); (iv) Mina Mahmoudi (Iran); (v) Dr. Hussein El Gammal (Egypt).

**Website:** <http://wg-env.icidonline.org/>

**WG-ENV Minutes Item 1: Action taken report by Chairperson**

1. The Chairperson Dr. Perret (France) introduced the meeting, with words of welcome to members and observers. He presented Prof. Hatcho as Vice Chairperson, and indicated that Secretary Dr. Michael van Dar Laan had sent apologies and missed the meeting. Ms. Mary-Jean Gabriel (South Africa) represented Dr. Michael.
2. The Chairperson reminded the group that the mandate of WG-ENV complete in 2014. He briefly listed the key items to be addressed during the meeting, i.e. the main achievements of WG-ENV so far, what remains to be done, and prospects and options with regards to WG tenure, and future.
3. The technical items addressed are: Agricultural Return Flow, Environmental Flow (EF) and EF requirements; Environmental Impact Assessment of irrigation systems through Life Cycle Analysis; multi-functionality and ecosystem services as possible new topic for the WG-ENV.
4. The Chairperson finally insisted that WG tenure be discussed, since the current bureau was established in 2010, and requires renewal.

**WG-ENV Minutes Item 2: Membership of the working group, attendance**

5. Attendance by WG-ENV members was poor with only 7 members viz. Dr S.R. Perret (France), Chairperson; Prof N. Hatcho (Japan), Vice-Chairperson; Dr. J.D. Choi (Korea); Mr V.C. Ballard (Australia); Mr A.Md. Aziz (Iraq); Dr. Mrs. A. Fayrap (Turkey) and Ir. M.A. Ismail (Malaysia).
6. However, several members were duly represented by their National Committees: Dr. F. Tian (China) represented Prof. Hu Heping; Ms. M.J. Gabriel (South Africa) represented Dr. M. van der Laan (Secretary), Mr. M. Yazokhasti (Iran) represented Mr. M.K. Siah; Mr. O.M. Verta (Finland) represented Mr. O. Purhonen (Finland). Dr. Tian (China) stated that Prof Hu is stepping down from the membership due to job change; Dr Tian said he was nominated by Chinese National Committee to replace Prof Hu. Since he did not present any CV, his application for membership was deferred.
7. Formal apologies were received from Mr. O. Purhonen (Finland), Dr. Mrs. A. Tedeschi (Italy) and Dr. M. van der Laan (Secretary, South Africa).

8. Five members neither attended any meeting nor contributed anyway to WG-ENV activities for the last 2 years or more, leading to discontinued membership. Among those, only Dr. A. Mohammad Aziz (Iraq) was present this time. Although he was absent for several meetings, a motion was proposed by Chairperson to confirm Dr Aziz as a member in the WG. Motion accepted by WG-ENV members. As a consequence, Dr. Aziz was confirmed as a member of WG-ENV.

9. For all other 4, namely Mrs. Dr. S. Abdel-Gawad (Egypt), VPH. Dr. J. A.O. Fernandez-Urrutia (Spain), Mr. Dr. I.B. Shaikh (Pakistan) and Mr. C.K. Agrawal (India), Chairperson suggested their membership be discontinued. ICID Central Office was requested to remove their names from the lists, emailing lists, and inform respective national committees.

10. Prior to the meeting, ICID CO had requested their respective national committees to nominate new members. Only Pakistan and India had proposed names and CVs. However, these two persons did not attend the meeting. Their respective CVs have not been examined, and their membership remains pending. ICID Central Office was requested to re-contact national committees and insist on nomination of motivated, competent candidates for membership of WG-ENV.

11. Two observers attended the meeting and indicated that they were interested in joining WG-ENV as national representatives: Dr. C. de Fraiture (Netherlands) and Mr. H. Elgammal (Egypt) contributed to the meeting and expressed interest. Chairperson suggested that they directly contact their respective national committees and seek for nominations. ICID Central Office was requested that those names may be mentioned while requesting nominations from respective national committees. Four other observers attended the meeting, including VP Dr. G. Backeberg, and individuals from Malaysia, Korea, and Iran.

12. WG also requested CO to re-asses the list of so-called permanent observers, which list comes back every year, while most individuals / organizations listed never attended any meeting since WG inception in 2008.

### **WG-ENV Minutes Item 3: Agricultural return flow and requirement of environmental flow**

13. This topic had been on the agenda of WG-ENV since its inception (2008). Chairperson highlighted the fact that most of the work done and discussions focused on environmental flow, while nothing was done on agriculture return flow.

14. Chairperson reminded that the main activities included: an International Workshop in Adelaide 2012, organized jointly with WG-PQW on "Irrigation, Water Quality and Environmental Flow"; various presentations in 2011 and 2013 by WG members and invited speakers, during WG-ENV meetings; dissemination of documents by Chairperson, Mr. O. Purhonen and Mr. V.C. Ballard. Mr. Purhonen (Finland) recently updated the group by email, and said that EU pursues its efforts to homogenize EFR calculations in EU country members, and faces difficulties.

15. Chairperson indicated that he recently posted on 'Dropbox' a full PhD dissertation by one of his student from Bangladesh, which includes a comprehensive review of EFR estimation methods (>200). He also stated that although an important topic, EF and EFR are a bit distant from our core concerns: irrigation and drainage, although agricultural return flow and drainage contribute to EF. As far as he is concerned, Chairperson indicated that he cannot do much more than what he did so far (information sharing). Should any WG-ENV members be willing to take up the topic and deliver more about it, he/she is most welcome to contribute.

16. Chairperson initiated a discussion on the needs and demand from members related to this topic.

17. Several members and observers (from China and Iraq) reiterated that WG-ENV should keep working on EF and EFR since they are important elements of water systems at basin level, yet insisting on the need to link EF with ARF (contribution of ARF to EF to be clarified).

18. Others (from Malaysia and Egypt) indicated their firm interest in getting information on best practices, case studies, and methods to assess EFR, and the need for clear guidance, so that they can convey "ICID-labeled or -endorsed" recommendations to national policy makers.

19. Finally, Dr. De Fraiture (Netherlands) concurred with Chairperson to insist that WG-ENV should refocus on its core business, i.e. the relationships between irrigation and drainage systems and their environment, and should not expand its jurisdiction, but rather focus. In that sense, working on EF and EFR alone may not be relevant, especially since many other work bodies do it much more efficiently than WG-ENV.

20. Chairperson concludes that all these opinions are valid. In any case, WG-ENV will finalize its work on EF and EFR soon. How the topic may be taken further depends on the decisions on the future of WG-ENV. Vice Chairperson Prof. Hatcho reiterated that any willing / interested member may take up the topic and provide information to the group, or even organize other activities. Volunteers are to be identified.

**WG-ENV Minutes Item 4: Environmental aspects of irrigation and drainage projects: Management of a sustainable environment (maximizing positive and minimizing adverse effects of irrigation and drainage systems)**

21. Chairperson reminded the group that LCA emerged as a possible methodology to address one of the dimensions of the topic in question: (quantifying) and minimizing adverse effects of irrigation and drainage systems. He also mentioned that ICID is lagging far behind in terms of knowledge and utilization of LCA in irrigation and drainage, of its promotion towards member countries, while LCA has become the most used EIA method worldwide in recent times, and has been approved by most international organizations (UNEP, EU, large agribusiness and food processing corporates) for eco-design, eco-labeling, the identification of high sources of environmental impacts in production processes, etc. It is also now a highly used methodology for analyzing and improving the sustainability of agricultural systems.

22. He summarized the history of activities related to LCA within WG-ENV: Introduction in 2010 (a short presentation during an open workshop held in Yogyakarta 2010, on Nutrient Leaching from Agriculture); the establishment of a WG-ENV task-force on LCA in 2011; a LCA internal workshop in 2012; a draft report on “*The potential contribution of Life Cycle Assessment to analyzing the environmental impacts and the sustainability of irrigation and drainage systems*”.

23. The draft report is authored by task-force members, i.e. Chairperson, Vice-Chairperson and Secretary. Chairperson Dr. Perret and Dr van der Laan will add on 2 more case studies in order to beef up the content and quality of the report. They are also seeking for additional case studies from external experts. Report will be finalized by March 2015. The ultimate publication mode / format of the report is to be determined. Chairperson suggested that it may ultimately be considered an internal technical document for WG-ENV members and possibly for other ICID work bodies. Report’s table of contents features includes: Introduction, What is LCA? Presentation of case studies, case study chapters (3 now, 2 more to come, most are published papers in international journals). Case studies originate from Thailand (rice), South Africa (sugar cane + another crop), Pakistan (cotton) and Japan (rice).

24. Chairperson finally indicated that WG-ENV activities regarding LCA will be concluded with the final report in March 2015. He then initiated a discussion on needs and demands from members with regards to EIA, LCA and related matters.

25. Dr. Aziz (Iraq) asked whether LCA was framed with ISO guidelines. Chairperson confirmed this point, and elaborated on the need for data quality and result verification required in LCA studies. VP Dr Backeberg (South Africa) indicated that new ISO guidelines for LCA have been published in 2014.

26. Dr Aziz (Iraq) indicated that, while LCA seems interesting yet time-consuming and data-demanding, a broader overview of EIA methods ought to be proposed to group members, especially from developing countries.

27. Chairperson agrees. Action requested from Chairperson: prepare a short review of main EIA methods, and how LCA positions itself with comparative pros and cons. A document will be circulated if WG-ENV activities are discontinued, or a presentation may take place at next possible meeting.

**WG-ENV Minutes Item 5: Publications of the working group**

28. Chairperson reminded all members that, at any time, members may share any document deemed of interest to the group. Chairperson, Vice-Chairperson or Secretary may support sharing and communication between members, if needed.

29. Chairperson indicated that he had recently posted on DropBox a set of potentially interesting documents, for members. The link to this directory had been set by email prior to the meeting.

30. Dr Fayrap (Turkey) mentioned that she did not receive any such email, and highlighted the fact that there might be emailing issues. Also she indicated that documentation should be made readily accessible from ICID WG website.

31. Chairperson will update the emailing list and disseminate again the information and documents.

**WG-ENV Minutes Item 6: Tenure and future of the working group**

32. Chairperson introduced the issues of tenure and future of the WG-ENV, and insisted that some decisions had to be made during the meeting. He reminded the group of the situation; current WG-ENV mandate officially complete with this meeting (2014); there are still some activities that require some time before finalization. A discussion was initiated with regards to (1) the overall future of WG-ENV, (2) options for accommodating the need to finalize current activities, and (3) tenure (bureau composition) of WG-ENV.

33. With regards to the overall future of the WG-ENV, all present members and some observers expressed their views; there was a large majority consensus on confirmation that ICID needs to maintain a work body on the relationships between irrigation and drainage systems and their environment. Dr Aziz (Iraq) and Dr. De Fraiture (Netherlands) insisted that WG-ENV should refocus and limit its jurisdiction and scope to reasonable, limited number of topics. Mr Ballard (Australia) and Mr. Verta (Finland), while insisting on the importance for ICID to host a work body on environment and large water systems also indicated that if WG-ENV continued in the long run, its mandate needs re-scoping and focus. Mr Verta (Finland) concurred with Chairperson and Vice-Chairperson on the fact that, also the modus operandi must evolve sharply, towards more continuous activities, including communication and contributions by more members in between main annual meetings. Mr Verta (Finland) suggested video-conferencing as a possible solution. Chairperson indicated that ICID CO in India offers now new web-conferencing, tele-conferencing, video-conferencing facilities, free to workbodies. Up to 10-12 individuals in different parts of the world can communicate live easily. Only time zones have to be dealt with. He recommended WG-ENV makes use of such facility during the year 2014-2015, especially for holding discussions on scoping new mandate for the group.

34. With regards to practical options to ensure that current mandate is properly fulfilled and completed, all members expressed their opinion and clear consensus emerged towards a 1-year extension. As a consequence, it is proposed that WG-ENV extends its current mandate until 2015 (Montpellier), where activities will be concluded. Also, the coming year will allow for preparing the scoping of a next mandate for WG-ENV.

35. With regards to tenure, Chairperson indicated that he will be occupying a new position at CIRAD from October 1<sup>st</sup> 2014, and will be far less available for ICID affairs. Also, Dr. Perret indicated his intention to step down as Chairperson, after 4 years of tenure, to leave room for renewed ideas and leadership. He invited members to indicate whether anyone would be willing to step in and apply for the position. Such invitation had been circulated by email before the meeting; no response or application was received. Dr. Choi (Korea) expressed his satisfaction and gratitude towards the current bureau, and highlighted that lack of response or application probably indicated that most members were also satisfied with the current tenure. Other members expressed similar views, and a consensus emerged towards a continuation of the current bureau until completion of the extended mandate, in Montpellier 2015.

36. Chairperson Dr. Perret and Vice-Chairperson Prof. Hatcho accepted to continue for one more year, insuring the completion of activities and preparation / scoping of a new mandate. Chairperson made it clear that he will step down for good in 2015. Dr. van der Laan will be asked to tell his opinion with regards to his position as Secretary.

37. Item 6 was concluded with the following decisions: WG-ENV will extend its activities under current mandate for one more year, until Montpellier 2015 meeting; this extra year will serve to complete on-going activities, and prepare / scope a new mandate; WG-ENV should be continued, although with renewed scoping and mandate, after 2015; current WG-ENV bureau remains in place for one more year; a new bureau (at least a new Chairperson) shall be elected in Montpellier in 2015, since current Chairperson Dr. Perret will step down; a workshop will be organized in Montpellier 2015 with the objectives of reporting on WG-ENV activities (2008-2015), and to introduce Ecosystem Services through conceptual and case study contributions. Details regarding the workshop remain to be set, as some members support the idea of a dual-purpose workshop, while Chairperson rather supports the idea of a stand-alone open workshop on “Ecosystem Services and the Multi-functionality of Irrigation Systems” so that scoping of new WG mandate can be discussed in depth with contributions of external experts. Reporting on activities may be done during regular WG-ENV meeting.

38. ICID Central Office to check whether these decisions are in order, with regards to ICID By-laws and regulations, and confirm with WG-ENV.

39. WG-ENV bureau to prepare a quick survey towards members, in order to collect ideas, priority topics, for re-scoping WG-ENV mandate after 2015; circulate the survey before the end of the year 2014 (see also item 8.1).

40. Members are requested to respond to the survey, and to various requests from the bureau; individuals are also invited to think about their respective contributions to topics and activities, including becoming bureau members in close future.

#### **WG-ENV Minutes Item 7: Website of working group**

41. The Chairperson expressed his gratitude to Dr. van der Laan who developed and prepared information for the WG-ENV website over recent years. However, after problems were experienced 3 years ago (when updated pages were disappeared), issues remain. It seems that updated information has been replaced with outdated one. WG-ENV webpages currently contain obsolete information.

42. Chairperson expressed frustration with regards to WG-ENV webpages, which are outdated in their current form. Dr. De Fraiture (Netherlands) concurred with that and confirmed that she found the WG-ENV webpages unattractive and non-interesting. She and Mr. Verta (Finland) recommended that specialized, professional

attention and skills be put into developing a more appropriate website. Chairperson reminded all that members may be both users and contributors to the WG-ENV webpages. All are invited to share information, texts, pictures, videos of interest, to be web posted for the benefit of the group.

43. ICID CO and WG-ENV members to communicate and urgently make a plan for website improvement.

**WG-ENV Minutes Item 8: Any other business**

**WG-ENV Minutes Item 8.1: Future of WG-ENV post-2014**

44. Following last year's suggestions to introduce Ecosystem Services / Multi-functionality concepts and frameworks to analyse interactions between irrigation and drainage systems and their environment, Chairperson elaborated on the opportunity to include this topic in future mandate, should WG-ENV be continued beyond 2015.

45. Chairperson presented a 15mn slideshow on Ecosystem Services, in order to clarify definitions, concepts and frameworks, and provide basic information to all members.

46. A general consensus emerged to acknowledge that ES and multi-functionality concepts are similar, and can potentially become key topics of a renewed WG mandate. However, Dr. de Fraiture highlighted that such topic may be enough to fill the whole agenda of WG-ENV for next mandate.

47. Chair to disseminate further documents and information on ES and multi-functionality of irrigation and drainage systems

48. Members are requested to get acquainted with and contribute to this new topic. Also, members are requested to identify topics of interest to them (with regards to the relationships between I&D systems and their environment). A compilation will be done, based upon the survey to be circulated.

**WG-ENV Minutes Item 8.2: Updating 'Basic Information' for ICID website**

49. The item was not addressed, since time was over, and all more urgent issues had been accommodated.

50. Meeting was concluded with Chairperson and Vice Chairperson expressing their satisfaction and gratitude for a fruitful and active meeting, with high participation of members.



**Minutes of the 7<sup>th</sup> Meeting of the  
WORKING GROUP ON WATER AND CROPS (WG-CROP)  
17 September 2014: 13:30-15:00 hours [Session I]  
17 September 2014: 15:30-17:00 hours [Session II]  
Gwangju, Republic of Korea  
Strategy Theme: On-Farm**

**Year of Establishment: 2007**

**Completion of the Mandate: 2016**

**Mandate:** To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

**Members Present:** (1) VP Dr. Ragab Ragab, Chairman (UK, 2007); (2) VP Laurie C. Tollefson (Canada, 2009); and (3) Dr. K. Yella Reddy (India, 2009)

**Observers :** (i) Dr. Atsushi Marui (Japan); (ii) Dr. Chan Chee Sheng (Malaysia); (iii) Mr. Marco Arcieri (Italy); (iv) Er. L. Narayan Reddy (WALAMTARI, India);

**Website:** <http://wg-crop.icidonline.org>

**WG-CROP Minutes Item 1: Action Taken Report by Chair**

1. Dr. Ragab Ragab, Chairman of the WG briefly summarized the actions taken on the decisions made during the meeting based on minutes of the meeting at Mardin, Turkey in 2013.

**WG-CROP Minutes Item 2: Review of the membership of the Working Group**

2. The current membership of the group and their attendance at the last two meetings were reviewed. The Italian National Committee of ICID (ITAL-ICID) has reconfirmed the nomination of Dr. Marco Arcieri (Italy) for the membership of WG. The chair introduced Dr. Marco to the members and presented his credential and bio-data for the benefit of the participants. The WG endorsed Dr. Arcieri's nomination for membership of the WG.

3. The membership norms were discussed by the chairman in view of the large absentees in the group. It was noted that in case the new nominee is not present during the membership, the nomination may be accepted as 'Provisional Member' for one year. The new nominee would be expected to contribute to the activities of the working group by actively participating in the WG meetings, by e-mail or video-conferencing during the year for regularizing the membership in the WG thereafter.

4. The chair indicated that on the basis of non-attendance, non-participation, no communication with ICID (ICID by-law 3.6) during the last 2 or more consecutive years, the membership of Prof. Dr. Rai Niaz (Pakistan) is recommended for discontinuation. However, as a special case it was agreed to give Dr. Magdi Abdelhamid another opportunity for the membership of the working group, as he has sent a written apology for not being able to attend the WG meeting.

5. The chair informed the members that since that Mr. Chen Yih-Rong (Chinese Taipei) has retired and would no longer attend ICID meetings, as informed by the ICID-Chinese Taipei Committee (CTCID) CO may invite new nomination from CTCID in the place of Mr Chen Yih-Rong.

**WG-CROP Minutes Item 3: Precision Agriculture: Promote the efficient use of water and low input in crop production**

6. The chair mentioned about the importance of Precision Agriculture and presentations made by the members in the earlier WG meetings. The excellent presentation of Dr. Hossein Dehghanisanji (Iran) made on 'Precision Irrigation' during last meeting at Mardin will be available at the WG website.

7. In view of the rising concern for better management of water resources for irrigation, it was decided to organize an, International Workshop on 'Precision Irrigation' by the WG in Montpellier, France in October 2015. The Chair has discussed this workshop with the chair of the French National Committee of ICID (AFEID) and will make a draft for call for papers.

**WG-CROP Minutes Item 4: Energy crops for bio-fuel production**

8. VP Laurie C. Tollefson, Vice-Chairman of WG, who is also Chair of WG-BIO-ENERGY briefed about the activities of WG-BIO-ENERGY and informed that the WG-BIO-ENERGY dealt with water for bio-energy and food and would complete its mandate in 2014. Considerable number of country papers have been received and were presented in the WG meeting earlier. Chair informed that all the papers would be available in the WG Website.

9. VP Tollefson made an excellent power point presentation on 'Irrigated Biofuel Production in Canada'. Present status of 'Ethanol' and 'Biodiesel' production across the world and future trends were discussed. The relevance of irrigation for bio fuel crops was presented by working out water requirement for unit of oil. The cost per unit of oil production was analysed and discussed. A copy of the presentation would be uploaded on the WG website, shortly.

**WG-CROP Minutes Item 5: Multi-functionality of water use in paddy (Rice) cultivation**

10. The importance of multi-functionality of water in paddy (Rice) cultivation in some countries was briefed by the chair. The initiative of the WG in this regard was discussed. It was decided to request the members from Korea, Indonesia, Thailand, China, Taiwan, Philippines to contribute for (already agreed in the WG agenda) bringing out 'Technical Report' on the subject. Help is sought from the CO to follow that up.

**WG-CROP Minutes Item 6: Management of Agriculture under Climate Change**

11. The WG effort of organizing successful workshop in conjunction with the WG on Climate Change in Mardin was briefed by the Chairman. The Chair explained the members about the contribution made in reviewing the papers for presentations and selection of best papers publication by the ICID. Best paper was suggested to Prof. Bart Schultz, Editor in Chief, Irrigation and Drainage as well as ranking the rest of the papers for possible publication.

**WG-CROP Minutes Item 7: Publications of the Working Group**

12. The Chair and Co-chair highlighted the importance of publication of the reports, which has already identified in the WG agenda by consolidating information/contributions/presentations made earlier. The following progress of the activities was discussed :

SI .No	Name of the topics	Resource person identified	Status
1	Efficient use of water in crop production	Dr K Y Reddy (India) / Dr Graziano Ghinassi (Italy)	Dr Reddy briefed about progress made. Consolidation will be made with contribution from Dr Graziano and draft will be made in 3 months' time
2	Crop water models	VP Dr Ragab Ragab (UK)	The status of the completion of the report is briefed by VPH Dr Ragab Ragab. The report has been submitted earlier.
3	Rainfall harvesting	Dr. Andrew Sanewe (South Africa)/ Dr. Leon van Rensburg	Dr Andrew Sanewe has retired and not available for contribution. Dr Reddy will make contribution from Indian context.
4	Multifunctional use of water in paddy	VPH Prof. Tai Cheol Kim (Korea) / Prof. Dr. Mohd Amin Mohd Soom (Malaysia), Dr. Graziano Ghinassi (Italy) and Dr. Inosako Koji (Japan)	Prof Tai Choel Kim was identified as Resource Person to undertake this task. CO need to request contribution from the other listed under this task.
5	Energy crops	VP Mr. Laurie C Tollefson (Canada)	VP Dr Laurie Tollefson informed that the Task Force report would be ready in six months' time and that can be shared with WG.

**WG-CROP Minutes Item 8: Work Plan up to 2016**

13. In view of the poor attendance of the members of WG over the past two years and this year, it was agreed to keep the work plan limited to:

- (a) Carry out the agenda items already discussed in the past meetings.



- (b) Organize International Workshop on 'Precision Irrigation' by the WG in Montpellier, France in October 2015. The ICID Central Office be requested to take active role to reach more organizations/member countries for getting quality papers for the Workshop. (Dr Ragab Ragab , Mr. Laurie Tollefson and Dr Yella K. Yella Reddy have agreed to contribute their papers for the Workshop).
- (c) Bring out the WG publication in 2016 on the basis of presentations made in 2015.

**WG-CROP Minutes Item 9: Website of Working Group**

14. The Chairman of the WG has informed that the 'SALTMED 2013' is now available in the WG Website as well as other useful documents to the members of the working group.

**WG-CROP Minutes Item 10: Any other business**

15. The poor attendance of the members of the work body was discussed. The chairman indicated that some of the WG members have expressed their inability to attend meeting due to high costs involved in registration etc. It was suggested to explore possibility of having two levels of registration to make participation possible for those who cannot afford high registration costs.

16. It was pointed out that the ICID has mentioned all its reports and brochures the abbreviation of the workbody as WG-CROP and hence missing the essence of Water. The WG proposed that the name of 'WG-CROP' would be changed into 'WG-WATER & CROP'.

**WG-CROP Minutes Item 10.1: Updating 'Basic Information' for ICID website**

Members noted. Members may contact Mr. Madhu Mohanan, Program Officer, ICID ([icid@icid.org](mailto:icid@icid.org)) for further assistance, if any.

