

Agenda

67th Meeting of International Executive Council

&

Pre-Council Meetings of Workbodies

8 - 12 November 2016

Chiang Mai, Thailand



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INTERNATIONAL COMMISSION ON
IRRIGATION AND DRAINAGE



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AGENDA

Sixty Seventh Meeting of
International Executive Council (IEC)
&
Pre-Council Meetings of Workbodies
8 - 12 November 2016, Chiang Mai, Thailand

**ICID Central Office
New Delhi**

September 2016

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Agenda for the Sixty Seventh Meeting of
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID
Chiang Mai, Thailand

Opening Plenary (First Session): 08 November 2016, 16:30 – 18:30 hours
Second Session: 12 November 2016, 09:00 – 12:30 hours
Third Session: 12 November 2016, 13:30 – 17:00 hours

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**AGENDA FOR THE 67TH MEETING OF
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID
Chiang Mai, Thailand**

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

Second Session: 12 November 2016, 09:00 – 12:30 hours

Third Session: 12 November 2016, 13:30 – 17:00 hours

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

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

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

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

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

2. Secretary General will introduce the Agenda and draw the attention of the members to certain issues such as the Draft Action Plan, International Research Program on Irrigation and Drainage, Technical Support Unit that need their special consideration during the session. He will also give a brief about the procedural aspects regarding the conduct of IEC and Meetings of Workbodies, including Permanent Committees.

3. VPH Felix B. Reinders, Chairman, PCTA and VPH Dr. Huseyin Gundogdu, Chairman, PCSO will make short presentations on the important aspects that need attention of various Working Groups and how to make the meetings of workbodies reporting to their respective permanent committees, more productive.

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

4. The representatives of National Committees of Sri Lanka and Morocco will make presentations to showcase the activities of SLNCID and l'ANAFIDE, respectively and share some important aspects regarding the agriculture water management scenario in their countries. The NCs look forward to feedback and suggestions from the members on conclusion of their presentations.

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

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

5. Out of the papers published in the ICID Journal "Irrigation and Drainage" during the year 2015, the best paper will be announced by Chair of EB-JOUR, PH Prof. Dr. Bart Schultz to be given as Best Paper Award for 2016.

IEC Agenda Item 4.2: Presentation of WatSave Awards

6. The President, in consultation with the Management Board constituted a Panel of Judges (PoJs) comprising PH Dr. Gao Zhanyi (China), as the Chair and VPH Laurie Tollefson (Canada), VP Prof. Charlotte de Fraiture (The Netherlands), VP Prof. Dr. Abdelhafid Debbarh (Morocco) and Mr. Mehrzad Ehsani, Chair, WG-WATS (Iran) as the members for evaluation of the nominations received for WatSave Awards 2016. The Chair of the Panel will present his report to the Council introducing the works for which the awards have been recommended.

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

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

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

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

IEC Agenda Item 5: Action Taken Report on the decisions of 66th IEC and the decisions taken by the Management Board (MB)

9. Actions on all the decisions by the 66th IEC were initiated/completed during the year. A brief report on the action taken on the decisions of the 66th IEC, other than the routine and administrative in nature, is presented in **Annex 1, page 7**. The Secretary General will also present before the Council, the decisions taken by the Management Board on behalf of IEC in accordance with Article 8.1 of the ICID Constitution and Clause 3.9.2 of ICID By-laws, which are listed in **Annex 2, page 9**, for ratification by the Council.

IEC Agenda Item 6: Report by the Secretary General

10. Secretary General Er. Avinash Tyagi will briefly present the Annual Report 2015-16, already circulated, and also present the physical and financial progress on activities undertaken during the period from April 2016 till date to the Council, including report on cooperation and collaboration with various international organizations.

IEC Agenda Item 7: Presentation on Strategy Theme “On-Farm”

11. Co-Theme Leaders of Strategy Theme “On-Farm”, VP Bong Hoon Lee (Korea) and VP Kadhim Mohsin Ahmed (Iraq) will make a presentation on Strategy Theme “On-Farm” to analyze the work undertaken by the group of work bodies under the strategy theme and identify gaps, if any, in fulfilling the objectives of ICID relating to that theme as well as exploring/using interconnections with other themes. The presentation also aims to help in undertaking a creative analysis of functioning of ICID workbodies, their success in achieving mandates and invigorating them within the framework of ICID mission and objectives.

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

12. The revised IRPID Scheme, with the approval of the Management Board (MB) has been notified vide Notification No.16 of 2016 dated 27 April 2016 among ICID National Committees inviting them to establish regional nodes, following the examples of nodes that are being managed by Chinese National Committee of ICID (CNCID) and Iranian National Committee of ICID (IRNCID). The IRPID Scheme that has been revised based on the suggestions of the Management Board of Regional Node – Tehran held in August 2016 is placed at **Annex 3, page 11 of PCSO agenda**, giving its vision, mission and objectives, besides presenting the organizational structure, coordination mechanism etc.

13. It has been felt that in order to have proper regional balance at global level, the NCs hosting regional nodes need to be identified and assigned with the task of fostering collaborative activities amongst the NCs within that region by affiliating NCs to the identified regional node with similar AWM challenges.

14. The Council may consider the revised IRPID Scheme that will be presented by VPH Felix Reinders, Chair of Advisory Committee for IRPID (AC-IRPID) and provide further suggestions and guidance to make the IRPID Scheme a globally balanced one in fostering research in irrigation and drainage.

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

15. ICID brought forward the idea of recognizing World Water System Heritage (WSH) as a member initiative at the 50th Board of Governors (BoG) meeting of World Water Council (WWC) in Budapest, Hungary in October 2013. Subsequently, a Task Force, set up by WWC under the chairmanship of President ICID formulated WSH initiative

and presented it at the 54th BoG meeting of WWC in April 2015 in Gyeongju, Korea, giving the institutional design, communication strategy, financial aspects and timeline for the launch of the Program.

16. Subsequently, the institutional design for the Program has been put in place with its International Committee (IC) and Technical Advisory Committee (TAC) with specific Terms of Reference (ToR) and ICID Central Office has been assigned as its Secretariat. During the 58th BoG meeting of WWC held in Jodhpur, India on 17-18 March 2016, it was approved in principle to launch the Program in November 2016 at Marseilles, during the 20th Anniversary Celebrations of WWC.

17. The WSH program is initiated as a collaborative program for the recognition of WSH as a means for knowledge sharing based on historical expertise for sustainable water management. It aims at identifying, giving recognition and preserving the people-centred water management systems, organizations, regimes and rules as intangible water heritage considered to be of outstanding value to humanity that creates coexistent social system for humanity and sound environment. The objectives of the program are to: (i) Gain/learn lessons from these heritage systems; (ii) Disseminate the age-old wisdom gathered through them; (iii) Extract new ideas from the wisdom aggregated from the past; (iv) Adapt the knowledge suitably in the present context, and (v) Disseminate it.

18. The nominations for WSH have now been invited through the NCs of ICID, ICOLD and UNESCO-IHP to be listed under the WSH Program. The WSH Scheme will be officially launched during the 20th anniversary celebrations of WWC in November 2016 at Marseille, France where the selected water systems will be recognized under the Program. SG will make a brief presentation on the WSH Program bringing out its salient features.

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

IEC Agenda Item 10.1: Permanent Finance Committee (PFC)

19. VPH Laurie Tollefson, Chairman, PFC will present his report on the 37th meeting of the PFC held on 10 November 2016 at Chiang Mai, Thailand from 0900-1230 hours. The agenda of PFC is given at **Appendix I, page 21**.

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

20. VPH Huseyin Gundogdu, Chairman, PCSO will present his report on the 27th meeting of PCSO held on 10 November 2016 from 1330-1700 hours. The agenda of PCSO is given at **Appendix II, page 35**.

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

21. VPH Felix Reinders, Chairman, PCTA will present his report on the 36th meeting of PCTA held on 11 November 2016 from 0900-1700 hours. The agenda of PCTA is given at **Appendix IX, page 81**.

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

22. The Council will deliberate on the reports and recommendations of PFC, PCSO and PCTA together in totality and will take decisions through resolutions as appropriate duly taking note of the report of the Secretary General under Agenda Item 6. Draft Resolutions (DRs) on the Financial Matters of ICID presented through PFC Report and on the Organizational and Technical Matters of ICID presented through the Reports of PCSO & PCTA, are placed as **DR-1/67, DR-2/67 and DR-3/67** (pages 17, 18 and 19).

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

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

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

24. In pursuance of the Council's decision, CG decided to gather the inputs from ICID Work Bodies to identify actions to achieve the Organizational Goals in their area of activities, and from National Committees to ascertain their needs in order to support them in meeting their national obligations in contributing towards SDGs, particularly those related to AWM. Accordingly, two Questionnaires were developed and circulated among the Chairs of WBs and NCs to gather their inputs and needs which would form part of ICID Action Plan 2030.

25. The Action Plan 2030 thus developed, will be presented to the Council at its meeting in Chiang Mai for its consideration and deliberations and approval.

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

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

- Review the interrelationships between ICID, the NCs and the national stakeholders engaged with AWM and the effectiveness of the network in fulfilling the new vision;
- Review the role of NCs of ICID vis a vis other professional organizations within the countries in water sector such as country water partnerships;
- Take stock of the constitution of various NCs of Europe, and study their financial operational arrangements,
- Study the reasons for withdrawal of European NCs from membership of ICID in the recent past and suggest the means of retaining these countries as member of ICID,
- Suggest measures for long-term financial sustainability of the NCs, and
- Recommend measures for improving the profile of NCs within the countries.

27. The input received from the questionnaire sent by CG for ICID Action Plan 2030 have been used in analyzing the situation in various NCs and the kind of support they need. Vice Presidents of ICID have been involved in the process to undertake specific issues related to each sub-region allocated to them. The Chair of the TF, VPH Huseyin Gundogdu will present his report at the meeting for its consideration and further guidance in revitalizing the ICID Network globally and Europe, in particular.

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

28. As per the decision of 66th Council meeting in Montpellier last year, a Task Force to Review the Membership Structure and Annual Membership Subscription Formulae has been set up under the chairmanship of Chair, PFC. The TF has been requested to:

- Review the existing membership subscription formulae including the annual increase in subscription,
- Assess the long-term financial sustainability of the organization, duly recognizing the sources of income and potential program expenditure
- Identify resource mobilization opportunities in view of the new Action Plan, and
- Propose a new membership structure with special reference to the annual subscription duly considering the long term financial sustainability.

29. The TF has begun its work and its Chair, VPH Laurie Tollefson will present an interim report on the TF activities so far.

IEC Agenda Item 14: Technical Support Unit (TSU) – An Update

30. In compliance with the decision taken at the 66th Council meeting (Resolution IEC-3/66, Para 7), a Technical Support Unit (TSU) has been established at ICID Central Office. The establishment of TSU has been notified to NCs on 4 January 2016 vide Notification No.4 of 2016 (**Annex 3, page 11**), giving its objective, scope, funding and mechanism.

31. One of the unique feature of the TSU is that it will be a unit with a nucleus located in the Central Office but mainly running on the voluntary contributions from the national experts. Following the notification, the NCs have been requested to nominate experts, giving the terms of reference for engaging them as part of TSU program. The application inviting the nominations from NCs is given at **Annex 4, page 13**).

32. The Embassy of Democratic People's Republic of Korea (DPR Korea), in consultation with their Government, requested ICID to send a Team of experts on a fact finding mission to DPRK to understand the irrigation and drainage situation in particular and the water management issues in general so as to support the capacity development in the country for better agriculture water management. Though DPR Korea is not a member of ICID, an ICID Fact Finding Mission (IFFM) led by Er Avinash C Tyagi Secretary General, ICID and experts, Dr Ding Kunlun, Vice President, ICID, China and Mr V.K Agrawal, Consultant, India which visited DPRK from 2nd November to 8th November 2015. The main objective of IFFM was **"To assess capacity development needs for better**

agriculture water management in DPRK.” The mission presented their report to Embassy of DPR Korea for further action by their Government in the matter.

33. The Council may discuss TSU Program and deliberate on the best ways to operationalize it.

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

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

- 13th International Drainage Workshop, Ahvaz City, Khuzestan Province, Iran, 4-7 March 2017
- 68th IEC and 23rd Congress on Irrigation and Drainage, Mexico City, Mexico, 8-14 October 2017
- 8th Asian Regional Conference, Nepal, 2018
- 69th IEC & 5th American Regional Conference, Saskatoon, Canada, 23 – 28 September 2018
- 9th International Micro Irrigation Conference, Aurangabad, India, 2019 / 2020

35. Representative of IRNCID, MXCID, NENCID, CANCID and INCSW may apprise the Council of developments and progress with regard to the organization of the events, if any, as per ICID By-laws 5.7.1.

36. The National Committees of ICID were invited to submit proposals for hosting the following future ICID events.

- 27th European Regional Conference (2019 onwards)
- 70th IEC and 3rd World Irrigation Forum (2019)
- 71st IEC and 24th Congress on Irrigation and Drainage (2020)
- 5th African Regional Conference (2020 onwards)

37. In response to the call for nominations, USCID, TANCID and IRNCID have shown interest in hosting the 70th IEC and 3rd World Irrigation Forum in October 2019. However, “**Form A**” is yet to be submitted by USCID and IRNCID while TANCID has been requested to submit the ‘**Form A**’ complete with all required information. Representatives of these NCs will present their bids at the Council.

38. Irrigation Australia Ltd. has shown interest in hosting the 71st IEC and 24th ICD Congress on Irrigation and Drainage from 12 May to 18 May 2020. Form A has been submitted by IAL. Representative from IAL will present the bid to the Council.

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

39. As per Article 7.2.4 of the ICID Constitution, the 3-year term of Office (2013-2016) of the following three Vice Presidents will conclude at the end of the 67th IEC and its adjunct study tours –

| | |
|-----------------------------|-----------------------|
| Dr. Ir. Basuki Hadimoeljono | Indonesia (2013-2016) |
| Mr. Kadhim Mohsin Ahmed | Iraq (2013-2016) |
| Er. A.B. Pandya | India (2013-2016) |

40. In response to the Central Office’s circular inviting nominations for the positions of Vice President for the term 2016-2019, the following nominations were received in the Central Office by the due date of receipt, i.e. 12 July 2016, in compliance with ICID By-laws 2,3,1.

| Sl. No. | Nominee | Country | Date of receipt in the Central Office | Validity |
|---------|-----------------------|----------|---------------------------------------|----------|
| 1 | Dr. Brian T. Wahlin | USA | 27 June 2016 | Valid |
| 2 | Mr. Waseem Nazir | Pakistan | 1 July 2016 | Valid |
| 3 | Dr. Irene G. Bondarik | Russia | 2 July 2016 | Valid |
| 4 | Mr. Madhav Belbase | Nepal | 6 July 2016 | Valid |

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

IEC Agenda Item 17.1: Retiring Vice Presidents

41. Citation plaques will be presented during the IEC meeting to the following three retiring Vice Presidents for their services and guidance to the ICID activities during their tenure 2013-2016:

| | | |
|-----------------------------|-----------|-------------|
| Dr. Ir. Basuki Hadimoeljono | Indonesia | (2013-2016) |
| Mr. Kadhim Mohsin Ahmed | Iraq | (2013-2016) |
| Er. A.B. Pandya | India | (2013-2016) |

IEC Agenda Item 17.2: Retiring Chairs of Workbodies

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

VPH Felix B. Reinders (South Africa), Chairman, PCTA (2011-2016)
VPH Dr. Hüseyin Gündoğdu (Turkey), Chairman, PCSO (2014-2016)
Dr. Sylvain Perret (France), Chairman, WG-ENV (2011-2016)

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



Annex 1 [IEC Item 5, Para 9]

**ACTION TAKEN REPORT ON THE DECISIONS ON THE
MINUTES OF 66TH IEC MEETING**

| S. No. | Item | Decisions | Action to be Taken |
|---------------|--|---|---|
| 1. | Recognition of Heritage Irrigation Structures (HIS) | The Council approved the inclusion of the identified Heritage Irrigation Structures in "ICID Register of Heritage Irrigation Structures". | Included in the Register maintained at ICID website. |
| 2. | Resolution IEC-1/66 (Sr. No.1) Report PFC (Para 21) | Approved the admission of (i) Md. Samiul Ahsan Talucder (Bangladesh), (ii) Mr. Aytekin Turgay (Turkey), (iii) Prof. Prashanta Kumar Bordoloi (India) and (iv) M/s Jain Irrigation Systems Ltd. (India) as Direct Members. | The decision has been communicated to new direct members and certificates have been issued to them. |
| 3. | Resolution IEC-1/66 (Sr. No.2) | Approved the debarring of Czech Republic from participating in elections in accordance with By-law 13.1. | Czech Republic was requested to clear membership subscription for current year and also the arrears for the last three years vide e-mail dated 29 January 2016. |
| 4. | Resolution IEC-1/66 (Sr. No.6) | Approved the appointment of M/s P.K. Chopra & Company as the Statutory Auditor for ICID for the period 2016-18 | Issued the letter of appointment. |
| 5. | Resolution IEC-1/66 (Sr. No.7) | Approved setting up of a Task Force to review the membership formulae and propose a new membership structure duly considering the long term financial sustainability of ICID. | Notified the constitution of TF vide Notification No.12 of 2016 dated 21 April 2016. |
| 6. | Resolution IEC-3/66 (Sr. No.1) | Approved the reactivation of the NCs of Sudan and Myanmar as per by-law 13.5. | The decision of IEC has been communicated to respective NCs. |
| 7. | Resolution IEC-3/66 (Sr. No.2) | Approved the setting up of a Technical Support Unit (TSU) in ICID with a core group Chaired by President and consisting of Chair PCSO and PCTA, Chair ASWRG, Chair AFRWG and representatives contributing to the Capacity Development Fund as its members assisted by SG. | Notified the setting up of TSU vide Notification No.1 of 2016 dated 04 January 2016. |
| 8. | Resolution IEC-3/66 (Sr. No.11) | Approved setting up of Task Team to study the reasons responsible for the gradual withdrawals of NCs from Europe from the membership of ICID and other issues faced by these NCs. | Notified the setting up of Task Force on Revitalization of ICID Network vide Notification No.13 of 2016 dated 03 May 2016. |
| 9. | Resolution IEC-4/66 (Sr. Nos.1-3) | Approved (i) the adoption of ICID Vision 2030 and organizational goals, (ii) Vision 2030 be brought out as a communication document and (iv) to develop an Action Plan by CG to achieve the goals of Vision 2030. | CG developed two Questionnaires to seek inputs from PCTA workbodies and NCs to develop an Action Plan 2030. |
| 10. | Resolution IEC-5/66 (Sr. No.1) | Adopted the revised Scheme for Recognition of Heritage Irrigation Structures. | The revised scheme has been included in the Handbook of Procedures and this year, nominations have been invited as per the adopted scheme. |

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

(And the actions taken thereon)

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



**SETTING UP OF A TECHNICAL SUPPORT UNIT (TSU) AT
ICID CENTRAL OFFICE**

NOTIFICATION NO.1 OF 2016

Dated: 1 January 2016

In accordance with the decision taken by the 66th International Executive Council (IEC) meeting held at Montpellier, France in October 2015 (Resolution IEC-3/66, Para 7), a Technical Support Unit (TSU) is hereby established at ICID Central Office with the following Objective, Scope, Funding and Mechanism.

1. Objective

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

2. Scope

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

3. Funding: In pursuance of the above decision of IEC, a Capacity Development Fund (CDF) is established in order to ensure smooth functioning of TSU and undertake activities under the Unit. The Fund will be supported by member countries on a voluntary basis.

4. Mechanism: TSU will serve to execute the activities of Working Group on Capacity Development, Training and Education (WG-CDTE). TSU will consist of distributed network of expert volunteers, who commit to dedicate a maximum of ten man days to the TSU activities. Volunteers, if required to put more than 10 days in a year will be paid a suitable honorarium. The activities will be supported by a Coordination Unit (CU) established within the Central Office that will help in identifying these experts. NCs and other members, including partner institutions, will be requested to depute personnel to the CU of TSU located in Central Office from time to time, as required. The travel of the expert volunteers, if required in connection with TSU activity, will be supported through CDF.

5. Core Group: A Core Group with the following Composition and Terms of Reference (ToR) is also set up:

Composition

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

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

Terms of Reference (ToR)

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



**TERMS OF REFERENCE FOR ENGAGING
EXPERT FOR TECHNICAL SUPPORT UNIT (TSU)
IN ICID CENTRAL OFFICE**

Post Title: Expert (Agricultural Water Management)

Duty Station: ICID Central Office, New Delhi, India

Duration: Six months (*initially*)

Terms of Reference (ToR)

1. Background

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

1.1. Objective

The overall objective is to “*Undertake capacity development activities in the field of agriculture water management (AWM) in support of rural development*”.

1.2. Scope of Work and Expected Outputs

The scope of work and expected outputs / deliverables will be the following

- (a) Coordinate capacity development programs of ICID;
- (b) To liaise in developing a knowledge base in AWM with the help of ICID working groups, partner institutions and member countries;
- (c) To support the member countries in
 - (i) general assessment of gaps in AWM capacities within the countries and suggest possible solutions
 - (ii) developing feasibility reports for small and medium irrigation, drainage and flood management proposal,
 - (iii) training assessment needs; and
 - (iv) undertaking capacity development programmes

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

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

2.1 Broad scope of deputation of expert to TSU

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

- (i) The Expert nominated by the National Committee / Committee to Technical Support Unit (TSU) will be working on voluntary basis for an initial period of six months.
- (ii) Expert should be professionally qualified in the field of Agricultural or Water Resources Engineering, preferably, post-graduate

- (iii) At least 10 years work experience in dealing with agricultural and water management issues having experience in the areas of research, capacity development, training, project planning and development etc.
- (iv) The Expert should be in the age group of 40 to 50 years of age.
- (v) The Expert should be fluent in Spoken and Written English and computer savvy.

2.2 *Financial aspects*

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

2.3 *Documents*

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

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

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



TECHNICAL SUPPORT UNIT IN ICID CENTRAL OFFICE

APPLICATION FORM

A. Applicant’s personal and experience details

1. Personal Information

Name

Position

Organization / Department

Gender Male Female

Date of birth: Day Month Year

Nationality

Contact details including e-mail

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

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

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

3. Other details (*please specify*):

| | Fair | Good | Excellent |
|-------------------------|------|------|-----------|
| i. Knowledge of English | | | |
| Spoken | | | |
| Written | | | |

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

| |
|--|
| |
|--|

Date: _____

Signature: _____

B. Recommendation by Sponsoring Organisation

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

Name of the person

Position

Name of Sponsoring Organization

| |
|--|
| |
| |
| |

Date: _____

Signature: _____

C. Recommendation by the ICID National Committee

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

Name of the person

Position

Name of National Committee

| |
|--|
| |
| |
| |

Date: _____

Signature: _____



DR-1/67 [IEC Item 10.4, Para 22]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-1/67: FINANCIAL MATTERS OF ICID

THE Council

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

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

Considering the recommendation of the Management Board;

Decides Unanimously

1. To approve the nominations of Mr. _____ and Ms. _____ to the membership 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. That the National Committees of ____ and ____ be declared as “Associate Member” from 1 January 2017 as they have failed to contribute ICID subscription for last three years in accordance with By-law 13.2.
4. To approve admission of Somalia as a member of ICID in accordance with ICID By-law 9 governing application for membership.
5. To approve the Audited Accounts of ICID for the Financial Year 2015-16 as given in **Annex 2 of PFC Agenda, page 33.**
6. To approve the Revised Budget of ICID for the Financial Year 2016-17 and the Budget for the financial year 2017-18 as given in **Annex 2 of PFC Agenda, page 33**
7. To approve the Registration Fee Structure for the _____ and _____ meetings.
8.
9.

Appreciates

1. The NC of France for contributing the appropriate share of the registration fee for the 26th ERC and 66th IEC to the ICID Budget.
2. The Ministry of Water Resources, People’s Republic of China for providing a grant of US\$ _____ for carrying out various ICID activities during the Financial Year 2015-16.
3. The Korean Rural Community Corporation (KRC), World Meteorological Organization and African Asian Rural Development Organization (AARDO) for supporting participation of Young Professional in various activities of ICID.

Requests

1.
2.
3.



DR-1/67 [IEC Item 10.4, Para 22]

**INTERNATIONAL EXECUTIVE COUNCIL (IEC)
DRAFT RESOLUTION IEC-2/67: ORGANISATIONAL AND TECHNICAL MATTERS OF ICID**

THE Council

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

Considering the endorsement by the Management Board; and

Decides unanimously

1. To approve the membership changes of various work bodies of PCTA and PCSO (*to be prepared as an outcome of PCTA and PCSO recommendations*).
2. To accept the Report of the Sub-Committee on Themes, Topics and Work Plans of Future ICID Events (SC-E-THEMES) and decides to fix the broad topics and work plans for these events presented by the Task Team.
3. To approve hosting of the Secretariat for World Water System Heritage program being implemented in collaboration with World Water Council and other international partners.
4. To approve the new/existing workbodies with revised mandate on the topics under thematic area of Basin:
 - (i) Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD)
 - (ii) Working Group on Adaptive Management in Water Stressed Regions (WG-AMWSR)
 - (iii) Working Group on Water for Bio-Energy and Food (WG-BIO-ENERGY); and
 - (iv)
5. To approve the closure of WGs on CAFM, TF-VE..... and
6. To extend the tenures of WGs on and
7. To approve the proposal of NENCID to host the 8th Asian Regional Conference from 22-26 Mach 2018 in Kathmandu, Nepal; proposal to host 3rd World Irrigation Forum and 70th IEC Meeting in 2019 in; and the proposal of AUSID to host 24th ICID Congress and 71st IEC meeting in 2020.
8.

Appreciates

1. The Korean Rural Community Corporation (KRC) to support the activity of TSU and providing funds for undertaking the activity in North Korea.

Requests

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



DR-3/67 [IEC Item 10.4, Para 22]

INTERNATIONAL EXECUTIVE COUNCIL (IEC)

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

THE Council

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

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

Decides unanimously

1. To adopt the Scheme for International Research Program for Irrigation and Drainage (IRPID) as given in **Annex 3 of PCSO Agenda, page 43.**
- 2.
- 3.



**AGENDA FOR THE 37TH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)**

10 November 2016:09:00-10:30 hours (Session I)

10 November 2016:11:00-12:30 hours (Session II)

Chiang Mai, Thailand

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 Laurie Tollefson, Chairman (Canada, 2013); (2) President Hon. Prof. Dr. Bart Schultz (The Netherlands, 2011); (3) Mr. Hao Zhao (China, 2012); (4) Ms. Serpil Koylu Dalgin (Turkey, 2012); (5) Mr. Naoki Hayashida (Japan, 2014); (6) Engr. Husnain Ahmad (Pakistan, 2014); (7) Dr. Irene Bondarik (Russia, 2014); and (8) Er. Avinash C. Tyagi, Secretary General, ICID.

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

| Average Exchange rate of 1 US \$ for the last fifteen months | | | | | |
|--|--------------|----------------|--------------|---------------|--------------|
| Month | Indian Rupee | Month | Indian Rupee | Month | Indian Rupee |
| April 2015 | 62.51 | September 2015 | 66.18 | February 2016 | 68.14 |
| May 2015 | 63.64 | October 2015 | 64.92 | March 2016 | 66.93 |
| June 2015 | 63.73 | November 2015 | 65.98 | April 2016 | 66.38 |
| July 2015 | 63.42 | December 2015 | 66.39 | May 2016 | 66.85 |
| August 2015 | 64.91 | January 2016 | 67.10 | June 2016 | 67.20 |

1. A conversion rate of US\$ 1=INR₹ 62 was assumed in the forecast for year 2015-16 on the basis of exchange rate in the preceding 15 months of 2014- 2015. Subscriptions actually received were of course converted based on the prevalent rate. The difference in the budgeted receipts and the actual receipts due to change in exchange rate are accounted for as part of 'Other Receipts'.
2. Based upon average exchange rate of US\$ 1 for the last fifteen months from April 2015 to June 2016, an exchange rate of US\$ 1 = INR₹ 66 has been assumed for the Revised Budget (proposed) for the year 2016-2017, Budget for Financial Year 2017-18 and Preliminary Budget for 2018-2019 and Forecasted Budget for the Financial Year 2019-2020.

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

1. According to By-law 3.9.3(b), PFC shall comprise of the Secretary General (SG) and a maximum of 15 elected members. Presently there are only 8 members on the Committee, including SG. The By-law 3.8.1(c) states that:

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

2. To enrich the repertoire of the Committee, nominations have been invited from the National Committees vide e-mail dated 27 July 2016 for membership of the Committee. So far, no new nomination has been received for Committee's membership.

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

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

4. This year, the CO has received 10 applications for Direct Membership (DM). Out of these 10, the following 5 applications have been found to be complete in all respects. These applications were sent to respective National Committees for 'No Objection Certificate (NOC)' of granting provisional direct memberships.

| S. No. | Name of Applicants | Country | Type of Membership Applied for |
|--------|--|-------------|--------------------------------------|
| 1. | Dr. Ashish Pandey | India | Life Membership (Individual) |
| 2. | Prof. Umesh C. Chaube | India | Life Membership (Individual Retiree) |
| 3. | Asian Development Bank (ADB) | Philippines | Institution |
| 4. | Dr. R. Mahesh | India | Individual (Young Professional) |
| 5. | Central Board of Irrigation and Power (CBIP) | India | Institution |

5. The CO has sent the applications at S.Nos. 1, 2, and 4, 5 to the INCSW for NOC. According to the procedure, if the consent is not received within 30 days, it would be eligible for the direct membership. NOC is not required for Serial No. 3 as it is an International organisation.

6. The applications at S.Nos. 1, 2 and 3 have been reviewed and recommended by Direct Membership Administering (DMA) Sub-Committee for granting provisional direct membership. Applications at S Nos. 4 and 5 have been sent to Direct Membership Administering (DMA) Sub-Committee for their consideration and granting provisional direct membership.

7. Out of nine active Direct Members admitted under various categories in 2015 at 66th IEC in Montpellier, France, eight continue to be active as follow:

| S. No. | Name of Direct Member | Country | Category and duration of Membership |
|--------|------------------------------------|------------|--|
| 1. | WAPCOS Limited | India | Company (3 years) |
| 2. | India Water Foundation (IWF) | India | Institution (1 year) |
| 3. | Mr. Y. Abdul Basheer | India | Individual (Retiree) (3 years) |
| 4. | Mr. Naty Barak | Israel | Individual (Retiree) (3 years) |
| 5. | Md. Samiul Ahsan Talucder | Bangladesh | Individual (Young Professional)(3 years) |
| 6. | Mr. Aytekin Turgay | Turkey | Life Membership (Individual) |
| 7. | Prof. Prashanta Kumar Bordoloi | India | Life Membership (Individual) |
| 8. | Jain Irrigation System Ltd. (JISL) | India | Company (3 years) |

8. During the year, WAPCOS and India Water Foundation (IWF) renewed their direct membership. Er. M. Gopalakrishnan has withdrawn from the Individual (Retiree) membership since he is a Honorary Office Bearer as former Secretary General and is eligible to avail all the benefits of being a Direct Member.

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

9. **NCs relegated to Associate Member status:** As per By-Law 13.2 the National Committee of Czech Republic became "Associate Members" with effect from 1 January 2016 since the National Committee has not been able to clear the past dues, in line with the decision of 66th IEC at Montpellier, France (Resolution IEC-1/66)

10. **Active NCs in Arrears:** At the time of writing the agenda notes, a total of 19 active National Committees were in arrears of subscription for 2014 and 2015 as follows:

11. Total amount of arrear at the time of preparation of agenda is US\$ 28,265 for one year 2015 (other than the current year) with the following NCs: Chad, India, Ireland, Madagascar (Balance of arrear for the year 2014), Mali, Morocco, Myanmar (3rd instalment out of five instalment), Nepal, Tanzania and Tajikistan.

12. Total amount of arrears at the time of preparation of agenda is US\$ 99,825 for the years 2014 & 2015 with the following NCs: Brazil, Italy, Malaysia, Nigeria, Saudi Arab (Balance of arrears for the years 2010-2013), Spain, Ukrain (Balance of arrear for the year 2013), USA and Zimbabwe

13. At the time writing the agenda notes the Saudi Arabian NC continues to be in arrears (in full or part) since 2010 upto 2016. Several requests were made to Saudi Arabian NC to clear their balance of subscription for the years 2010-2015 and for the year 2016. The Committee may like to take a note of this and recommend further action in the matter.

14. The PFC may consider recommending IEC to apply By-law 13.1 to above National Committees debaring them from holding office whether it be as Office Bearer or as a member of a work body until such time the arrears are paid.

15. The National Committees of Romania and Switzerland cleared their dues of 2014 and 2015; National Committee of India cleared their balance dues for 2013 along with arrerars of 2014; and Uzbekistan National Committee also cleared their arrears for 2015 as on 31st July 2016.

16. US National Committee has informed that they will clear the arrears for the years (2014, 2015 and 2016) prior to the 67th IEC Meeting at Chiang Mai, Thailand.

17. **New Membership of National Committees:** The Somalia National Committee of ICID has been constituted and have applied for membership of ICID. They have filled in the required forms and have made payment towards membership subscription for the year 2017, calculated on the existing formulae. The Committee may like to recommend Somalia to be the new member of ICID commencing its membership from January 2017.

18. For its admission as a member, the Committee may like to place on record the appreciation for FAO for sponsoring Somalian subscription in advance for 2017.

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

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

19. French National Committee on Irrigation and Drainage (AFEID) has made a special contribution to ICID budget amounting to Euro € 29,317 as its 15% share from the registration fee collected (Euro € 195,444) from the 66th IEC meeting and 26th ERC held in Montpellier, France, October 2015. The Committee may like to record its appreciation to AFEID for successful organization of 26th ERC and 66th IEC meeting.

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

20. ICID provided financial support about (US\$ 40,000) to Egyptian National Committee (ENCID) for organizing the Training Program for Young Professionals from Africa on 'On-farm water use and management' from 17-25 April 2016 in Cairo, Egypt & their participation in 4th African Regional Conference. The committee may like to record its appreciation to Egyptian National Committee (ENCID) for facilitating organization of this Trainaing Program. The Committee may also like to place on records the financial support provided by CNCID, KCID and AARDO for the participation of the YPs in the Training.

21. 4th African Regional Conference on Irrigation and Drainage (ARCID) was held from 26-28 April 2016 in Aswan City, Egypt. Special Contribution to ICID Budget from the registration fees collected is still awaited from ENCID.

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

PFC Agenda Item 5.1: 13th International Drainage Workshop, 04-07 March 2017, Ahvaz City, Iran

22. IRNCID has proposed to reduce the registration fees approved by the 66th IEC, for the 13th International Drainage Workshop be organized from 4th to 7th March 2017 as mentioned in the table below. Management Board has already approved the same. This is for information of PFC.

| | Registration fee Approved at 66 th IEC meeting in October 2015 | Revised Registration fee | |
|-------------------------------------|--|-----------------------------|-------|
| Full registration | \$500 | \$300 | \$350 |
| Non-member fee | \$550 | \$350 | \$400 |
| Young Professionals (International) | \$250 | \$150 | \$175 |
| Young Professionals (Local) | - | \$100 | |
| Local/conference rate | - | \$150 | |
| Retired Professionals | \$250 | \$150 | |
| Accompanying person | \$250 | \$150 | |

PFC Agenda Item 5.2: 68th IEC and 23rd Congress, 8-14 October 2017, Mexico City, Mexico

23. The financial matters with respect to the 23rd Congress and 68th IEC were approved by IEC in its 66th meeting in Montpellier, including its fee structure. The Mexican National Committee on Irrigation and Drainage (MXCID) may like to update the Committee on financial aspects, if any.

PFC Agenda Item 5.3: 8th Asian Regional Conference in Nepal, 2018

24. The Nepal National Committee on Irrigation and Drainage (NENCID) have submitted the Form A including the financial details and the fee structure. NENCID has informed that they will make a presentation on the financial aspects and the progress made for the event during the PFC meeting at Chiang Mai.

PFC Agenda Item 5.4: 69th IEC, Saskatoon, Canada, 2018

25. The Canadian National Committee on Irrigation and Drainage (CANCID) has expressed its willingness to host the 69th International Executive Council Meeting at Saskatoon, Canada in 2018. CANCID has been requested to make the financial proposal to the PFC.

PFC Agenda Item 5.5: 70th IEC Meeting and 3rd World Irrigation Forum in 2019

26. The US National Committee on Irrigation and Drainage (USCID) has expressed its willingness to host the 70th International Executive Council meeting at Sacramento, USA in 2019. USCID has been requested to make their financial proposal at the PFC, including the fee structure.

PFC Agenda Item 5.6: 71st IEC and 24th Congress 2020

27. The Australian National Committee on Irrigation and Drainage (IAL) has expressed its willingness to host the 71th International Executive Council Meeting and 24th Congress at Sydney, Australia in 2020. IAL has been requested to make their financial proposal at the PFC, including the fee structure.

PFC Agenda Item 6: Consider the audited accounts of ICID for the financial year 2015-16

PFC Agenda Item 6.1: Auditor's Report

28. The Auditor's Report (abridged) for the financial year (1 April 2015 to 31 March 2016) is given at **Annex 1** together with **Annex 1A and 1B**. The PFC may consider and recommend the audited accounts for the year 2015-16 to IEC for its approval with or without comments. Some of the salient points of the Auditor's Report are highlighted in the following paragraphs:

29. The total annual subscription amount receivable from the 56 active National Committees for the year 2015 was US\$ 245,960. Against this, a sum of US\$ 151,345 has been received by 31st March 2016. This shows 61.5% realization of the total subscription for the year 2015 as against 62.4% during the year 2014, which is still a matter of concern. PFC may note that 24 out of 59 active members have paid their subscription for the year 2016 as on 31st July 2016. In addition, outstanding subscription arrears amounting to US\$ 25,763 for the year 2014 and US\$ 7,510 for the year 2013 were also received during the financial year.

30. From the Auditor's Report, it can be seen that the outstanding balance of subscriptions arrears of 22 Active NCs as on 31st March 2016 was US\$ 91,630. In comparison, the outstanding balance as on 31st March 2015 was US\$ 78,971 from 17 active NCs. PFC may request members to clear dues at the earliest and also to pay their subscriptions regularly.

PFC Agenda Item 6.2: Foreign Currency Accounts

31. The Foreign Currency Accounts with Canara Bank, New Delhi, India (one in US\$ and another in Euro€) and HSBC Bank, London (US\$) were also audited. These accounts have been incorporated in the audited accounts of the Commission for the period ending 31st March 2016. Briefs on these accounts are as follows:

32. The total receipts during the year 2015-16 in the Foreign Currency Accounting in US\$ with Canara Bank, New Delhi, was US\$ 316,000 which has been transferred to Rupees account, in accordance with the FCRA rules. The total receipts during the year 2015-16 in the Foreign Currency Account in Euro € with Canara Bank, New Delhi was Euro €37,417 which has also been transferred to Rupees account as per FCRA rules.

33. In the HSBC Bank plc., London, there is a fixed deposit of US\$ 121,542 and also previous year balance in Current Account was US\$ 33,534. During the year 2015-16, the receipts was US\$ 1,441 and a payment of US\$ 108 as bank charges was made. Thus the balance amount of US\$ 34,867 was available as on 31st March 2016.

PFC Agenda Item 6.3: ICID Employees Provident Fund Trust

34. The Balance Sheet as on 31st March 2016, Income & Expenditure Account and Receipt & Payment Account for the year ending 31st March 2016 of the ICID Employees Provident Fund Trust was also audited. The amount standing at the credit of the subscribers (staff) Accounts as on 31st March 2016 was in INR ₹5.25 million (US\$ 84,644) compared to an amount of INR ₹4.60 million (US\$ 74,139) as on 31st March 2015. The deficit in the EPF Trust account was at INR ₹2.4 million (US\$ 38,778) as on 31st March 2016, which has relatively increased from an amount of INR ₹1.96 million (US\$ 31,534) as on 31st March 2015.

PFC Agenda Item 7: Budget and Expenditure for the financial year 2015-16

PFC Agenda Item 7.1: Comparison of budget estimates and actual expenditure for FY 2015-2016

35. A summary of the outlay for 2015-16 approved by IEC in the last meeting and payment made upto 31st March 2016 is presented at **Annex 2**. Against the anticipated receipts of INR ₹ 67.00 million (US\$ 10,80,629), the actual receipts were INR ₹ 72.66 million (US\$ 1,171,932). There is an overall surplus of INR ₹ 7.75 million (US\$ 124,974) in the financial year 2015-16. The actual payments made during 2015-16 were INR ₹ 64.91 million (US\$ 1,046,957) against the anticipated budgeted payment of INR ₹ 65.81 million (US\$ 1,061,461).

GRANTS

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

36. A sum of INR ₹ 3.1 million (US\$ 50,000) was received during 2015-16 as a grant from CNCID (Ministry of Water Resources), China in four tranches for activities such as supporting Young Professionals and selected delegates from developing and least developed countries to attend ICID meetings, arranging translation of the English version of Multilingual Technical Dictionary of Irrigation and Drainage into Chinese and publishing the Chinese version and supporting to organize the 2nd World Irrigation Forum in 2016. So far, a payment of INR ₹ 0.77 million (US\$ 11,777) has been made towards some of these activities as on 31st July 2016.

37. Further, a sum of INR ₹ 0.83 million (US\$ 13,480) was also received during the F.Y. 2015-16 as Special Member contribution from Ministry of Water Resources, China towards the fulfilling of ICID's Mission. PFC may record its appreciation for the support provided by CNCID/MoWR, China for fulfilling the objectives of ICID.

(b) World Meteorological Organisation (WMO)

38. A sum of INR ₹ 1.01 million (Switzerland Currency CHF 15,000) was received as a grant from World Meteorological Organisation (WMO), Switzerland as financial support for the organization of the IInd Climate Services User Forum of Water Sector in South Asia (The Water Forum) which was held in Dhaka, Bangladesh from 22nd to 23rd April 2015. This amount has since been fully utilized.

39. Further, a sum of INR ₹ 0.91 million (US\$ 14,700) was also received as a grant from World Meteorological Organisation (WMO), Switzerland for the Training Workshop for Young Professionals on Integrated Flood Management during 66th IEC in Montpellier. This amount has since been fully utilized. PFC may record its appreciation for the support provided by WMO.

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

40. A sum of INR ₹ 0.62 million (US\$ 10,000) was received as a grant from Korea National Committee of ICID (KCID), Korea for specific activities such as modernisation of library services, upgradation of web services and upgradation of computer hardware & software. This amount has since been fully utilized. PFC may record its appreciation for the support provided by KCID.

(d) Sustainable Development Tidal Areas (SDTA)

41. A sum of INR ₹ 0.62 million (US\$ 10,000) that is US \$ 5000 each have been received from Korean National Committee and Chinese National Committee for supporting the publication of Special issue of ICID Journal on Sustainable Development Tidal Areas (SDTA).

PFC Agenda Item 8: Budget proposal for the current FY 2016-2017; budget proposal for FY 2017-2018; preliminary budgets for FY 2018-2019 and forecast budget for FY 2019-2020

PFC Agenda Item 8.1: Revised Budget proposal for the current FY 2016-17 (Annex 2)

RECEIPTS

42. **Membership Subscription:** A sum of INR₹ 17.98 million (US\$ 272,485) is anticipated to be received from the annual membership subscription with respect to 59 active NCs and Direct Members.

43. **Sale of Publications:** An amount of INR₹ 0.93 million (US\$ 14,152) is budgeted to be received from sale of publications which includes royalty receivable from M/s Wiley-Blackwell, the publisher of ICID Journal - 'Irrigation and Drainage'.

44. **Special contribution to the Budget:** A special contribution of INR₹ 8.34 million (US\$ 127,212) is expected from NCs hosting the various ICID events held/to be held such as 67th IEC Meeting and 2nd WIF, Thailand, 2016.

45. **Interest on Fixed Deposit:** It is also estimated that under the head 'Interest on fixed deposits' an amount of INR₹ 5.11 million (US\$ 77,424) would be received as an interest on FDs with the banks.

46. **Other Receipts:** An amount of INR₹ 3.90 million (US\$ 59,136) is likely to be received in this year which is mainly on account of a refund from the income tax department and also includes other miscellaneous receipts.

47. **Rent Receipts:** A receipt of INR₹ 47.73 million (US\$ 723,121) is anticipated during 2016-2017 from the leasing of office premises at the Central Office building to M/s Yes Bank Ltd. The higher provision as compared to the earlier years is due to the enhanced monthly rentals. Ten percent of this amount is directly payable to Land & Development Office, New Delhi as their tax and at the same time there would be an increase in the Property Tax payable to New Delhi Municipal Committee (NDMC).

EXPENDITURE

48. **Compensation package for Secretary General:** An amount of INR₹ 4.57 million (US\$ 69,197) is estimated for payment to Secretary General in terms of a Letter of Appointment, dated 20 September 2014.

49. **Salary of staff:** Central Office is operating with 17 staff members. During the FY 2015-16, an amount of INR₹ 25.77 million (US\$ 390,348) is budgeted for staff salary for the FY 2016-2017 which includes INR₹ 2.00 million (US\$ 30,303) estimated to be paid to short-term consultants engaged on temporary basis, as their professional fee, for specific jobs. It may be pointed out that despite the new activities being undertaken and proposed to be undertaken during the next financial year, the work is being accomplished through the existing staff and partly by hiring the services of consultants on temporary basis. Budget provision include payments due to anticipated revision of salary structure to be undertaken in the light of the revised pay structure of government employees in India, which ICID has to be guided by. An increase of about thirty per cent is assumed due to the anticipated pay increments and inflation. The revision of the pay scales of CO staff is being taken up separately through the Staff Committee and will be presented to PFC thereafter.

50. **Superannuation relief to retired employees:** ICID Central Office is giving superannuation relief to its retired employees. The amount budgeted under this head for the financial year 2016-2017 is INR₹ 3.50 million (US\$ 52,924).

51. **Taxes and Utilities:** A provision of INR₹ 27.10 million (US\$ 410,591) is proposed for the year against an earlier provision of INR₹ 16.1 million. Apart from higher allocation of INR₹ 4.78 million (US\$ 723,318) towards payment to Land & Development Office (L&DO) which is 10% of the total rental receipts from let out property to M/s Yes Bank, the property tax, which is approximately calculated as the total rent, has also increased. This also includes arrears of property tax not fully paid during the FYs 2010-2011, 2011-2012 & 2012-2013.

52. **Rehabilitation, Refurbishing and Maintenance of ICID CO Building:** A provision of INR₹ 3.10 million (US\$ 46,970) has been made, which also includes a provision of INR₹ 0.5 million for consultancy charges for the extension of CO building.

53. **Publication, Knowledge Management and Dissemination:** A sum of INR₹ 4.00 million (US\$ 60,682) is budgeted under this head against an earlier provision of INR₹ 3.3 million. This includes provision of INR₹ 2.27 million (US\$ 34,439) towards purchase of copies of the ICID Journal from the publisher M/s Wiley-Blackwell (UK). In addition to the normal provisions such as printing of Agenda, Minutes, Annual Reports etc and postage charges for distribution of all the publications under this head, a provision for bringing out Special Publications in the form of technical publications produced by the working groups every year has also been made. The increase is due to provisions for improving the webex services and purchasing professional softwares to manage the technical papers received for the various technical conferences.

54. **Conference Expenditure:** An allocation of INR₹ 3.20 million (US\$ 48,485) is estimated in this financial year towards 67th IEC Meeting & 2nd WIF, Thailand in November 2016.

55. **Travel:** A revised provision of INR₹ 2.36 million (US\$ 35,727), against an original provision of INR₹ 1.25 million has been made towards payments on account of travel to attend the international meetings by Secretary General and other professional staff of CO, particularly for attending the 67th IEC Meeting & 2nd WIF, Thailand, 2016. Higher provision has been made due to increased input and coordination of ICID Central Office staff in respect of organization of workshop & training, activities of TSU and secretariate WSH in ICID Central Office, etc.

56. **Workshops, Trainings and Studies:** An amount of INR₹ 2.90 million (US\$ 43,939) has been provided for this financial year against an original provision of INR₹ 2.0 million. This amount would be spent mainly for organization of various workshops, trainings and studies

PFC Agenda Item 8.2: Budget proposal for FY 2017-2018; preliminary budgets for FY 2018-2019 and forecast budget for FY 2019-2020 (Annex 2)

RECEIPTS

57. **Membership subscription:** During the year 2017-2018, 2018-2019 and 2019-2020 receipts from membership subscription has been estimated as shown in the **Annex 2** based on the assumption that all the NCs which are members today will continue to be active and paying their annual subscriptions. As regards calculation of receipt of membership subscription during a FY, the methodology being adopted is that the subscription received in advance during a FY, has been adjusted in the subsequent FY. In addition, it is also anticipated that Direct Membership will continue to increase steadily.

58. **Sale of Publications** An amount of INR₹ 1.03 million (US\$ 15,530) is budgeted to be received from sale of publications which includes royalty of INR₹ 1.00 million (US\$ 15,076) from M/s Wiley-Blackwell in terms of the projections provided by the Chairman, EB-JOUR and based on the five years agreement (2014-18), for the next three financial years.

59. **Special Contribution to ICID Budget:** With the ICID share from registration fee from the 68th IEC Meeting and 23rd Congress scheduled to be held in Mexico in October 2017, 13th International Drainage Workshop in Iran in March 2017 and 8th Asian Regional Conference, Nepal, January 2018, an amount of INR₹ 7.33 million (US\$ 111,136), INR ₹ 0.10 million (US\$ 1,515) and INR₹ 0.12 million (US\$ 1,818) are expected to be received, respectively, in the FY 2017-2018. A sum of INR₹ 3.53 million (US\$ 53,545) and INR₹ 0.60 million (US\$ 9,000) is estimated to be received as special contribution from the 69th IEC Meeting & American Regional Conference in Saskatoon, Canada and 9th Micro Irrigation Conference, likely to be held in India the F.Y. 2018-2019. A sum of INR₹ 9.00 million (US\$ 136,364) is estimated to be received as special contribution from the 70th IEC Meeting and 3rd World Irrigation Forum likely to be held in the FY 2019-2020.

60. **Rent from Let-out Portion:** Rent from M/s Yes Bank is likely to be received as INR₹ 49.26 million (US\$ 746,424) in 2017-2018 & FY 2018-2019 and INR₹ 57.91 million (US\$ 877,379) in 2019-2020 from the let-out property. There will be an increase of 18% in the rental income as per agreement in the FY 2019-2020.

EXPENDITURE

61. **Compensation package for Secretary General:** An amount of INR₹ 4.84 million (US\$ 73,273), INR₹ 5.42 million (US\$ 82,076) and INR₹ 6.07 million (US\$ 91,939) is estimated towards payment to Secretary General for the FY 2017-2018, 2018-2019 and 2019-2020, respectively. This amount includes leased accommodation provided to him.

62. **Salaries and Allowances:** The provision includes dues on account of annual increment and possible increase in Dearness Allowance as per the ICID Employees Rules. An increase of about 12 per cent is assumed due to increments and inflation. A sum of INR₹ 31.36 million (US\$ 475,091), INR₹ 30.33 million (US\$ 459,500), & INR ₹ 33.66 (US\$ 509,924), is projected for the FYs 2017-2018, FY 2018-2019 and FY 2019-2020 respectively. In every all three years.

63. **Services and Maintenances:** A sum of INR₹ 6.24 million (US\$ 94,500), INR₹ 6.53 million (US\$ 98,909) and INR₹ 6.90 million (US\$ 104,515) has been provided for FY 2017-2018, FY 2018-2019 and FY 2019-2020 respectively towards building maintenance, stationary purchases, outsourcing of watch and ward services; gardening services, equipment, fees to legal advisor/auditors, maintenance of vehicles, telephones and postage, executive expenses etc. This also includes the Hardware upgradation of Computer Systems in the Central Office, in order to keep abreast with the latest configuration.

64. **Taxes and Utilities:** An aggregate amount of INR ₹ 17.55 million (US\$ 265,924) is estimated to be paid under this head which includes payment towards property tax, electricity & water charges and payment to Land & Development Office (L&DO). A provision of INR₹ 12.00 million (US\$ 181,818) for FY 2017-2018 & 2018-2019,

towards payment of Property Tax has been made which is estimated to increase in INR₹ 13.40 million (US\$ 203,030) for budget forecast of FY 2019-2020 due to upward revision of rent. An amount of INR₹ 4.92 million (US\$ 74,652) has been estimated to be paid to L&DO during FY 2017-2018 and FY 2018-2019 which is further estimated to increase to INR₹ 5.80 million (US\$ 87,742) for FY 2019-2020.

65. **Publication, Knowledge Management and Dissemination:** Proposed budget for payments under this head are INR₹ 4.16 million (US\$ 62,985) for the financial year 2017-2018. A provision of INR₹ 2.39 million (US\$ 36,167) has been made for the guaranteed payment towards subscription to M/s Wiley & Blackwell (UK) towards ICID Journal for the year 2017-2018. These provisions are estimated to increase for the FYs 2018-2019 and 2019-2020 as the number of ICID Journal subscriptions are likely to increase in proportion with the increase in direct membership and young professionals.

66. A budgetary provision of INR₹ 1.77 million (US\$ 26,818), INR₹ 1.61 million (US\$ 24,455) and INR₹ 2.16 million (US\$ 32,758) have been made for the FYs 2017-2018, 2018-2019 and 2019-2020 towards software development & website upgradation, purchasing software (SaaS or Cloud Version), printing & publication and other miscellaneous payments as these require continuous upgradation

67. **Conference Expenditure:** A sum of INR₹ 3.50 million (US\$ 53,030) is budgeted to be spent in FY 2017-2018 including INR₹ 0.7 million (US\$ 10,606) for preparation of new plaque for HIS, expenditure is expected to be INR₹ 2.10 million (US\$ 31,818) and INR₹ 2.70 million (US\$ 40,909) in FY 2018-2019 and 2019-2020, respectively. Increase in conference expenditure is expected in FY 2017-2018 since the 68th IEC and 23rd Congress would be held during this financial year.

68. **Travel Expenditure:** An amount of INR₹ 2.60 million (US\$ 39,318) is estimated to be spent in FY 2017-2018 towards travel arrangements for meetings in India and abroad. This amount is further presumed to increase to INR₹ 2.86 million (US\$ 43,258) and INR₹ 3.14 million (US\$ 47,591) during FYs 2018-2019 and 2019-2020, respectively.

69. **Workshops, Trainings and Studies:** It is proposed to spend INR₹ 2.5 million (US\$ 37,879) each during the FYs 2017-2018, 2018-2019 and 2019-2020. This amount would be spent mainly for organization of various workshops and trainings mostly for young professionals to bring them abreast with the latest developments in the general areas of irrigation, drainage, flood management, climate and environment.

PFC Agenda Item 8.3: Internal Transfers

70. ICID is maintaining a Gratuity Fund and liability on this account is about INR₹ 1.00 million (US\$ 15,152) every year. For many years no amount had been transferred to the Gratuity Fund. During the year 2015-2016 an amount of INR₹ 7.38 million (US\$ 118,980) has been transferred from General Fund to Gratuity Fund. In order to avoid such an oversight in future, it is proposed to create Pension & Gratuity Trust in the F.Y. 2016-2017 to ensure that the liability is regularly transferred to the Trust in order to avoid any default on staff social security.

PFC Agenda Item 9: Surplus/Deficit and Cash Reserves

71. PFC may consider the budget for 2016-2017 and recommend it to IEC for approval. PFC may also kindly consider the proposed budget for financial year 2017-2018 and recommend it to IEC for approval. The preliminary budget for the FY 2018-19 and forecast budget for FY 2019-2020 are presented for information.

72. Taking into account the total receipts of INR₹ 84.05 million (US\$ 1,273,530) and Expenditure of INR₹ 83.69 million (US\$ 1,268,045), a surplus of INR₹ 0.36 million (US\$ 5,485) is expected for the FY 2016-2017. Also a surplus of INR₹ 2.01 million (US\$ 30,515), INR₹ 0.47 million (US\$ 7,167) and INR₹ 5.67 million (US\$ 85,924) are expected in the FYs 2017-2018, 2018-2019 and 2019-2020, respectively.

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

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

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

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

PFC Agenda Item 12: Any other items



INDEPENDENT AUDITOR'S REPORT

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

To

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

Report on Financial Statement

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

Management Responsibility for the Financial Statement

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and receipt and payments, of the society in accordance with accounting principles generally accepted in India for Not-for-Profit Organisations. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Societies Registration Act, 1860 for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

Opinion

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

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

1. We report that:

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

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

Sd/-
Tarun Kandhari
Partner
Membership Number: 074852

Place: New Delhi
Date: 27/05/2016

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

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

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage

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

Sd/-
Tarun Kandhari
Partner
Membership No. 074852

Sd/-
Vijay K. Labhsetwar
Director

Sd/-
Avinash C. Tyagi
Secretary General

Places: New Delhi
Dated: 27th May 2016

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

RECEIPT AND PAYMENT ACCOUNT

For the Year from 1st April 2015 to 31st March 2016

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

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage

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

Sd/-
Tarun Kandhari
Partner
Membership No. 074852

Sd/-
Vijay K. Labhsetwar
Director

Sd/-
Avinash C. Tyagi
Secretary General

Places: New Delhi

Dated: 27th May 2016

Summary of Approved Budget 2015-2016, Actual Income/ Expenditure 2015-2016, Proposed Budget 2016-2017 and Revised Budgets 2017-2018, Preliminary Budget 2018-2019 and Forecast Budget 2019-2020

| | Approved Revised Budget 2015-2016 | Actual Receipts / Expenditure 2015-2016 | Approved Budget 2016-2017 | Proposed Revised Budget 2016-2017 | Proposed Budget 2017-2018 | Proposed Preliminary Budget 2018-2019 | Proposed Forecast Budget 2019-2020 |
|---|-----------------------------------|---|---------------------------|-----------------------------------|---------------------------|---------------------------------------|------------------------------------|
| | ₹ | ₹ | ₹ | ₹ | ₹ | ₹ | ₹ |
| I. RECEIPTS | | | | | | | |
| 1. Membership Subscriptions | 15,116,014 | 14,176,234 | 15,595,554 | 17,984,000 | 17,029,000 | 18,145,000 | 18,273,000 |
| 2. Sale of Publications | 1,544,767 | 823,217 | 1,544,767 | 934,000 | 1,025,000 | 1,124,000 | 1,233,000 |
| 3. Special Contribution to ICID Budget | 3,720,000 | 2,081,507 | 8,396,000 | 8,396,000 | 7,555,000 | 4,128,000 | 9,000,000 |
| 4. Interest on Fixed Deposits | 2,714,216 | 4,805,032 | 3,223,887 | 5,110,000 | 4,810,000 | 4,810,000 | 5,110,000 |
| 5. Other Receipts | 3,911,915 | 10,781,654 | 1,654,934 | 3,903,000 | 1,400,000 | 1,400,000 | 1,400,000 |
| 6. Rent and Maintenance Charges | 39,992,103 | 39,992,127 | 44,504,356 | 47,726,000 | 49,264,000 | 49,264,000 | 57,907,000 |
| TOTAL RECEIPTS | 66,999,015 | 72,659,771 | 74,919,498 | 84,053,000 | 81,083,000 | 78,871,000 | 92,923,000 |
| II. EXPENDITURE | | | | | | | |
| 1. Compensation Package for Secretary General | 3,214,894 | 3,320,081 | 3,600,681 | 4,567,000 | 4,836,000 | 5,417,000 | 6,068,000 |
| 2. Salaries and Allowances | 18,228,205 | 18,322,443 | 20,593,080 | 25,763,000 | 31,356,000 | 30,327,000 | 33,655,000 |
| 3. Superannuation Relief to Retired Employees | 3,380,374 | 3,013,507 | 3,786,019 | 3,493,000 | 3,805,000 | 4,262,000 | 4,774,000 |
| 4. Service & Maintenance | 5,594,200 | 5,360,054 | 5,893,120 | 6,070,000 | 6,237,000 | 6,528,000 | 6,898,000 |
| 5. Taxes & Utilities | 24,184,816 | 24,343,110 | 16,076,557 | 27,099,000 | 17,551,000 | 17,583,000 | 19,880,000 |
| 6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building | 1,000,000 | 1,104,185 | 2,500,000 | 3,100,000 | 1,210,000 | 1,331,000 | 1,465,000 |
| 7. Publication, Knowledge Management and Dissemination | 2,754,198 | 2,644,876 | 3,290,758 | 4,005,000 | 4,157,000 | 4,121,000 | 4,795,000 |
| 8. Conference Expenditure | 550,000 | 889,786 | 3,850,000 | 3,200,000 | 3,500,000 | 2,100,000 | 2,700,000 |
| 9. Cooperation with Other Organisations | 0 | 0 | 63,900 | 196,000 | 330,000 | 330,000 | 330,000 |
| 10. Travel Expenditure | 1,050,000 | 2,142,912 | 1,250,000 | 2,358,000 | 2,595,000 | 2,855,000 | 3,141,000 |
| 11. Purchase of Office Equipments | 2,400,000 | 624,158 | 700,000 | 700,000 | 750,000 | 800,000 | 800,000 |
| 12. Workshops, Training and Studies | 3,303,910 | 2,915,261 | 2,000,000 | 2,900,000 | 2,500,000 | 2,500,000 | 2,500,000 |
| 13. Other Expenditure | 150,000 | 230,985 | 152,000 | 240,000 | 242,000 | 244,000 | 246,000 |
| TOTAL EXPENDITURE | 65,810,597 | 64,911,358 | 63,756,114 | 83,691,000 | 79,069,000 | 78,398,000 | 87,252,000 |
| Surplus / (Deficit) | 1,188,418 | 7,748,413 | 11,163,384 | 362,000 | 2,014,000 | 473,000 | 5,671,000 |

**AGENDA FOR THE 27TH MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

10 November 2016, 13.30-17.00 hours
Chiang Mai, Thailand

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

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

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

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

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

1. An Action Taken Report on the minutes of the 26th meeting of PCSO is placed at **Annex 1**.

PCSO Agenda Item 2: Membership of PCSO and its Workbodies

2. As per ICID By-laws 3.9.5 (c), the three newly elected Vice Presidents at Montpellier will become members of PCSO by virtue of the Office they are elected to and three Vice Presidents Honoraire will retire from PCSO membership on completion of their 4-year term at the end of 67th meeting of IEC.
3. In terms of ICID By-law 3.9.5 (c), VP Bong Hoon Lee (Korea) has been designated as the Chairperson of PCSO, subject to approval of IEC. VP Lee has given his consent to be the chairperson of PCSO. The Chairperson shall serve the Committee during the tenure of membership of the Committee.
4. The PCSO may elect a Vice Chairman for the Committee.
5. PCSO will also consider the proposals from the Chairpersons of various workbodies associated with it, for any changes in their membership.

PCSO Agenda Item 3: Membership of ICID

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

6. The updated list of ICID Network countries as on 01 August 2016 is given in **Annex 2**. The statement below summarizes the region-wise membership status:

| Region | Active | Associate Members | Total |
|------------------|-----------|-------------------|-----------|
| Africa | 15 | 01 | 16 |
| Americas | 04 | 02 | 06 |
| Asia and Oceania | 23 | 04 | 27 |
| Europe | 17 | 09 | 26 |
| Total | 59 | 16 | 75 |

7. Mr. Abdullahi Hassan Hussein, one of the sponsored candidates, who benefitted from ICID's Training Program on "On-Farm Water Use and Management" held from 17-25 April 2016 at Cairo, Egypt was instrumental in the submission of Somalia's application for membership of ICID, with financial support from FAO, in June 2016 as per provisions in Article 3.4 and 3.5 of ICID Constitution and By-laws 9.1 in the prescribed form which will be placed for Council's consideration and approval.
8. The Royal Irrigation Department where THAICID is hosted, has been undertaking various international cooperation projects in ASEAN countries. By taking advantage of this, THAICID has been promoting ICID membership among ASEAN countries and instrumental in the interest shown by the Department of Irrigation in Lao PDR in ICID membership which is being followed up by ICID Central Office.
9. Among other countries approached by VPH Backeberg for ICID membership, Swaziland has evinced interest in joining ICID. Further update from their side is awaited.
10. The Spanish National Committee has intimated about their inability to pay subscriptions which is mounting up since 2014, because of the unfavourable financial situation in Spain. However, they committed their technical expertise at the disposal of the Commission as and when required. Updates, if any, will be provided at the meeting.
11. During the International Short Course on SDTA held in Chinese Taipei on 1-4 August 2016 and the earlier first Asia Water Council meeting held in Bali, Indonesia in March 2016, the Vietnam representatives attended the meetings evinced their interest in the reactivation of Vietnam NC. The Central Office has provided them with necessary information and guidance and awaiting their response.
12. The Central Office has in its record the Constitutions of 46 National Committees. Rest of the National Committees are being advised, from time-to-time to adopt (where required) and furnish a copy of their Constitution to the Central Office. They have also been requested to inform about the modifications undertaken in their constitutions from time to time, if any, to the Central Office. A sample 'Constitution of National Committee' has been provided to those National Committees who requested for it and a copy of the same can be accessed in the 'Members Only' pages of the ICID Website.
13. The National Committees have been requested to continue to broaden their membership base at the national level in order to provide a platform to all the stakeholders in the agriculture water management, as a follow up of the Resolution No.IEC-1/64. This may result amendments in the constitution of NCs and they have been requested to provide a copy of the amended constitution to CO for its record.

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

14. In light of the election of three new Vice Presidents at the 66th IEC meeting held at Montpellier on 16 October 2015, a redistribution of the Regions / National Committees amongst the newly elected and present Vice Presidents for the year 2015-16 was effected. Vice Presidents will apprise the Committee of their efforts on strengthening the activities of ICID in the regions of their respective responsibilities.
15. The NCs are also encouraged to hold web conference with ICID Central Office or the Vice President in-charge of them on any issue that they may want to discuss or seek clarification like their expected role in ICID. Recently, Central Office had organized fruitful web conferencing with Australian National Committee with Vice President in-charge VP Ding Kunlun during which clarity on certain issues raised by Irrigation Australia Limited hosting Australian NC has been provided.
16. Associate Members were requested to reinstate the activities within the countries and at the same time renew their membership by paying the subscription fees due. Vice Presidents of the concerned region were also requested to use their good offices for reactivation of such NCs. With the active support of Central Office, the Vice Presidents have been in correspondence with countries in their region in order to reactivate or motivate the deemed inactive NCs to again become members of ICID. VPs may like to provide a brief report on their efforts in this direction and results achieved thereon. The Committee may also suggest ways and means to reactivate the Associate Members, in view of the VPs' reports.
17. VP Basuki Hadimuljono (Indonesia) has assigned the advisor of INACID, Mr. Syaiful Mahdi (and Mr. Iwan Nursyirwan) to visit Timor Leste to introduce INACID and ICID to them and invite them to join ICID. VP Basuki will apprise the Committee latest status in the matter.
18. VP Bong Hoon Lee and Korean NC have been quite active in promoting ICID's cause in Africa region by sponsoring candidates from Uganda and Tanzania for attending training workshop and African regional conference in Egypt in April 2016. PH Dr. Gao Zhanyi, VP Dr. Ding Kunlun and Chinese National Committee have been sponsoring a number of young professionals for participation at training workshops held during annual IEC meetings since 2012 which has been instrumental in the reactivation of a number of associate members.

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

19. This year, the CO has received 10 applications for Direct Membership. Out of these 10, five applications have been found to be complete in all respects.

| S. No. | Name of Applicants | Country | Type of Membership Applied for |
|--------|--|-------------|--------------------------------------|
| 1. | Dr. Ashish Pandey | India | Life Membership (Individual) |
| 2. | Prof. Umesh C. Chaube | India | Life Membership (Individual Retiree) |
| 3. | Asian Development Bank (ADB) | Philippines | Institution |
| 4. | Dr. R. Mahesh | India | Individual (Young Professional) |
| 5. | Central Board of Irrigation and Power (CBIP) | India | Institution |

20. The applications listed above have been reviewed and recommended by Direct Membership Administering (DMA) Sub-Committee for granting provisional direct membership.

21. Out of 9 direct members who were active last year, the following 8 have continued their membership:

| S. No. | Name of Direct Member | Country | Category and duration of Membership |
|--------|------------------------------------|------------|--|
| 1. | WAPCOS Limited | India | Company (3 years) |
| 2. | India Water Foundation (IWF) | India | Institution (1 year) |
| 3. | Mr. Y. Abdul Basheer | India | Individual (Retiree) (3 years) |
| 4. | Mr. Naty Barak | Israel | Individual (Retiree) (3 years) |
| 5. | Md. Samiul Ahsan Talucder | Bangladesh | Individual (Young Professional)(3 years) |
| 6. | Mr. Aytakin Turgay | Turkey | Life Membership (Individual) |
| 7. | Prof. Prashanta Kumar Bordoloi | India | Life Membership (Individual) |
| 8. | Jain Irrigation System Ltd. (JISL) | India | Company (3 years) |

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

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

- (a) review the interrelationships between ICID, the NCs and the national stakeholders engaged with AWM and the effectiveness of the network in fulfilling the new vision;
- (b) review the role of NCs of ICID vis a vis other professional organizations within the countries in water sector such as country water partnerships;
- (c) take stock of the constitution of various NCs of Europe, and study their financial operational arrangements,
- (d) study the reasons for withdrawal of European NCs from membership of ICID in the recent past and suggest the means of retaining these countries as member of ICID,
- (e) suggest measures for long-term financial sustainability of the NCs, and
- (f) recommend measures for improving the profile of NCs within the countries.

23. The Vice Presidents of ICID has been involved in the process to undertake specific issues related to each sub-region allocated to them.

24. A virtual meeting of the TF has been held on 16 June 2016 through web-conferencing. The Chair of the TF, VPH Huseyin Gundogdu will present his report at the meeting for its consideration and further guidance in revitalizing the ICID Network globally and Europe, in particular.

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

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

26. In pursuance of the Council's decision, the members of CG held a virtual meeting in May 2016 and decided to gather the inputs from ICID National Committees and Work Bodies by circulating two Questionnaires – first one to workbodies under PCTA to identify actions to achieve the Organizational Goals in their area of activities in order to support NCs in meeting their national obligations in contributing towards SDGs, particularly those related to AWM and the second one to gather the support required by National Committees from ICID in meeting their national obligations in their respective countries. Accordingly, the questionnaires developed by CG have been circulated amongst the WBs under PCTA and NCs, with the latter being offered guidance in filling their questionnaires with the help of Vice Presidents in-Charge of them or by CG members.

27. In response, the inputs have been received through filled in Questionnaires have been received from the NCs of Bangladesh, Canada, China, Chinese Taipei, Egypt, India, Japan, Korea, Mexico, Morocco, Sri Lanka, Sudan, Turkey, Ukraine, USA, Zambia and Zimbabwe and PCTA workbodies of EB-JOUR, WG-ENV, WG-BIO-ENERGY, WG-M&R and WG-CLIMATE.

28. Based on the inputs received from PCTA WBs and NCs, Draft Action Plan 2030 developed by CG will be presented at the meeting in order to have the inputs of the Committee on the support required by NCs, prior to its submission to 67th IEC for its consideration and approval.

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

29. An IRPID Scheme has been notified vide Notification No.16 of 2016 dated 27 April 2016 among ICID National Committees inviting to establish regional nodes, following the examples of regional nodes that are currently working in China and Iran. The notified IRPID Scheme gives vision, mission and objectives of the Program, besides presenting the organizational structure, coordination mechanism etc.

30. The IRPID aims at intensifying irrigation and drainage research to achieve global food security and its objectives are to:

- (a) Foster a conducive policy environment for increasing research and development, technology transfer and networking needs of members,
- (b) Enhance research impacts in member countries by fostering innovation through increased coherence, convergence and concerted efforts,
- (c) Identify and promote opportunities to gain relevance, efficiency and effectiveness of NC's within their countries, and
- (d) Help NCs raise the financial resources required to undertake required activities.

31. Since clarity on the establishment of regional nodes and their functional areas with balanced approach on global basis, still remains to be addressed in the notified IRPID scheme, an International Research Workshop on Sustainable Agriculture Water Management was hosted by Kuzestan Water and Power Agency under the auspices of IRNCID on 14-15 August 2016 in Ahwaz City, Iran. The first session of the Management Board of IRAN-IRPID was also held concurrently. The suggestions made at the meeting have been incorporated in the revised scheme and the modified scheme is as **Annex 3**, giving its vision, mission and objectives, besides presenting the organizational structure, coordination mechanism etc. The Chair of the Advisory Committee of the IRPID (AC-IRPID) will present the report and views of AC-IRPID on the revised IRPID Scheme at the Committee's meeting for its consideration.

32. PCSO may consider the revised IRPID Scheme and provide suggestions as to how best IPRID regional nodes could be strategically located to the advantage of NCs located in various regions.

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

33. ICID has been collaborating with various international partners like ADB, AWC, FAO, GWP, ICARDA, ICOLD, ICRISAT, IFAD, IWMI, UN-Water, UNESCO-IHP, WMO, World Bank, and WWC and regional organizations like AARDO and SARIA on a number of issues which are of mutually beneficial. For more details about ICID's international cooperation, please refer **Chapter 2** "Working Together" of Annual Report 2015-16.

34. A memorandum of understanding (MoU) has been signed between ICID and IWA for cooperation at NC level in Iran in September 2016. An MoU with IWRA is under consideration for collaboration in the areas of mutual interest between two organizations. The World Bank has also expressed its intent to cooperate with ICID in various subjects, including IRPID and AWM.

35. A brief overview of the planned collaborative activities would be presented by Secretary General which also includes the launch of World Water System Heritage (WSH) that is scheduled in November 2016 during the 20th anniversary of WWC. Members are requested to provide suggestions to make the collaborative efforts with other international organizations towards achieving the vision, mission and goals of ICID.

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

36. The Chairpersons of the following WGs will make presentations on the activities of the respective Regional Working Groups. They are also requested to provide inputs for the ICID Action Plan from the regional perspective based on deliberations of the WG.

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

37. Dr. Sylvester Mpandeli, Chair of AFRWG will present the report of the meeting of the RWG as well as the outcome of the capacity development program held at Cairo, Egypt during 17-24 April 2016 and the 4th African Regional Conference held in Aswan, Egypt, 26-28 April 2016. The inputs of the WG on the ICID Action Plan will also be presented by the Chair of the WG.

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

38. VP Ian Makin, Chair of ERWG will present the report of the meeting of the RWG and inputs of the RWG on the ICID Action Plan.

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

39. VPH Dr. Karim Shiati, Chair of ASRWG will present the report of the meeting of the RWG and inputs of the WG on the ICID Action Plan.

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

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

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

41. The tenure of the WG has been extended up to 2016, with the rider that the scoping document be developed for a new WG. VPH Prof. Peter Kovalenko, Chair will present the report of the meeting of WG.

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

42. The Chair will present the report of the meeting of the Committee.

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

43. The Convener of IYPeF will present report at the meeting.

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

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

44. The Chair of the Sub-Committee, PH Bart Schultz will present his report at the Committee meeting for its consideration.

PCSO Agenda Item 10: Any other business



ACTION TAKEN REPORT FOR THE 26TH MEETING OF PCSO
15 October 2015, Montpellier, France

| Item | Recommendation | Decision of 66 th IEC | Action Taken |
|--|--|--|---|
| 5. Membership of ICID | | | |
| | Recommended that the NCs should broadbase their membership at the national level in order to provide a platform to all the stakeholders in the agriculture water management, in order to help them in enhancing active role in sustainable development within their countries. | Approved (Resolution No.IEC-1/64) and endorsed by 65 th IEC | NC have been requested to broadbase their membership. |
| 5. Review of reports of Regional Working Groups (RWGs) | | | |
| | Recommended that PFC may take note of the requirement of simultaneous translation at the AFWRG meeting for benefit of francophone countries and the organizers of the future events may be sounded accordingly. | Approved by IEC by adoption of the report of PCSO. | Efforts are being made to provide French interpretation at the AFWRG meeting. |
| | Recommended that a Task Force should be set up to study the reasons responsible for the gradual withdrawals of NCs from Europe from the membership of ICID and other issues faced by those NCs. | Approved by IEC (Resolution No.IEC-3/66 (Sr. No.11) | A Task Force on Revitalization of ICID Network has been set up vide Notification No.13 of 2016 dated 03 May 2016 which will also look into this aspect. |
| | Recommended provisional acceptance of a proposal for organizing Asian Regional Conference from NeNCID in March/April 2018 in Pokhara, Nepal. | Approved by IEC (Resolution No.IEC-3/66 (Sr. No.10) | Communicated to Nepal NC. Nepal has submitted proposal in Form A for consideration and approval of PCSO and IEC. |
| 8. Review of reports of Working Groups/Committees | | | |
| | Recommended that the WG-IDSST may be extended for one year up to 2016 and that a new Scoping Document may be developed for the new WG with revised mandate and presented at the 67 th IEC meeting | Endorsed vide Resolution No.IEC-3/66 (Sr. No.8) | The WG is expected to present a scoping document with a revised mandate. |
| | Recommended that the ICID-YPF should be an open forum based on LinkedIn group and a Core Group, selected from among the active members of the Forum, will function as the link between the YPs and the IEC and should report to IEC through PCSO. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.3) | ICID Young Professional's e-Forum (IYPeF) has been set up as a LinkedIn Group |
| 9. Organizational issues related to IEC, Congresses, Forums and Conferences | | | |
| | Recommended that the 'Micro Irrigation Symposium' be renamed as 'International Micro Irrigation Conference' | Approved vide Resolution No.IEC-3/66 (Sr. No.9) | Accordingly changes made in the related documents. |



Annex 2 [Appendix II, Item 3, Para 6]

ICID NETWORK COUNTRIES AS ON AUGUST 2016

| Sl. No. | National Committees | Acronym | Year of Joining |
|---------|---------------------|-----------|-----------------|
| 1. | Australia | IACID | 1952 |
| 2. | Bangladesh | BANCID | 1973 |
| 3. | Brazil* | ABID | 1970 |
| 4. | Burkina Faso | CNID-B | 2014 |
| 5. | Canada | CANCID | 1956 |
| 6. | Chad | ATID | 2012 |
| 7. | China | CNCID | 1983 |
| 8. | Croatia | CRCID | 1993 |
| 9. | Czech Republic | CZNC-ICID | 1997 |
| 10. | Egypt* | ENCID | 1950 |
| 11. | Estonia | ESTICID | 2001 |
| 12. | Ethiopia | ETCID | 1976 |
| 13. | Fiji | FIJICID | 2010 |
| 14. | Finland | FINCID | 2000 |
| 15. | France | AFEID | 1953 |
| 16. | Hungary | HUCID | 1955 |
| 17. | India* | INCSW | 1950 |
| 18. | Indonesia* | INACID | 1950 |
| 19. | Iran | IRNCID | 1955 |
| 20. | Iraq | IRQCID | 2006 |
| 21. | Ireland | IRCID | 1978 |
| 22. | Italy* | ITAL-ICID | 1950 |
| 23. | Japan | JNC-ICID | 1951 |
| 24. | Kazakhstan | KAZCID | 2006 |
| 25. | Korea, Rep. of | KCID | 1969 |
| 26. | Madagascar | MADCID | 2014 |
| 27. | Malawi | MALCID | 1967 |
| 28. | Malaysia | MANCID | 1958 |
| 29. | Mali | AMID | 2005 |
| 30. | Mexico | MXCID | 1951 |
| 31. | Morocco | ANAFIDE | 1959 |
| 32. | Myanmar | MINCID | 1962 |
| 33. | Nepal | NENCID | 1973 |
| 34. | Netherlands* | NETHCID | 1950 |
| 35. | Niger | ANID | 2007 |
| 36. | Nigeria | NINCID | 1970 |
| 37. | Pakistan | PANCID | 1953 |
| 38. | Philippines | PNC-ICID | 1956 |
| 39. | Portugal | PNCID | 1954 |
| 40. | Romania | CNRID | 1992 |

| Sl. No. | National Committees | Acronym | Year of Joining |
|--------------------------|-----------------------------------|-----------------|-----------------|
| 41. | Russia | RUCID | 1955 |
| 42. | Saudi Arabia | SACID | 1977 |
| 43. | Slovenia | SINCID | 1992 |
| 44. | South Africa | SANCID | 1993 |
| 45. | Spain | CERYD | 1955 |
| 46. | Sri Lanka* | SLNICID | 1950 |
| 47. | Sudan | SUCID | 1964 |
| 48. | Switzerland* | CH-AGRAM | 1951 |
| 49. | Tajikistan | TAJCID | 2014 |
| 50. | Tanzania | TANCID | 2011 |
| 51. | Thailand* | THAICID | 1950 |
| 52. | Turkey* | TUCID | 1954 |
| 53. | Ukraine | UACID | 1996 |
| 54. | United Kingdom | IWF/ICID.U K | 1951 |
| 55. | USA | USCID | 1951 |
| 56. | Uzbekistan | UzNCID | 1994 |
| 57. | Zambia | ZACID | 1966 |
| 58. | Zimbabwe | ZICID | 1955 |
| Committee | | | |
| 59. | Chinese Taipei Committee | CTCID | 1969 |
| Associate Members | | | |
| 60. | Afghanistan | AFGICID | 2008 (2014)** |
| 61. | Austria | AUNCID | 1954 (2015) |
| 62. | Bulgaria | BNCID | 1960 (2006) |
| 63. | Germany | GECID | 1957 (2015) |
| 64. | Greece | GRCID | 1957 (2012) |
| 65. | Guyana | GUCID | 1957 (2012) |
| 66. | Israel | ISCID | 1950 (2012) |
| 67. | Kyrgyz Republic | KYRCID | 2004 (2010) |
| 68. | Lithuania | LNCID | 1994 (2014) |
| 69. | Macedonia | MAKCID | 1995 (2010) |
| 70. | Mozambique | MOCID | 1978 (2006) |
| 71. | Poland | POCID | 1967 (2006) |
| 72. | Serbia (erstwhile Yugoslavia*) | YUGCID | 2002 (2012) |
| 73. | Slovak Republic | SKNC-ICID | 1996 (2006) |
| 74. | Syria | SYCID | 1962 (2014) |
| 75. | Uruguay | URUCID | 2007 (2012) |

* Founder Member

** Year in parenthesis is of the NC becoming inactive

INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION AND DRAINAGE (IRPID) SCHEME

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

PART A: PROGRAM

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

1. Vision

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

2. Mission

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

3. Objectives of the Program

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

PART B: ORGANIZATIONAL STRUCTURE

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

4. The Advisory Committee

The Advisory Committee for IRPID consists of:

- (a) Chair: Chairperson of PCTA,
- (b) Members: Head of regional nodes,
- (c) ICID Secretary General,
- (d) FAO, IWMI and World Bank Representative,
- (e) Chairpersons of WG-SON-FARM; WG-SDG; WG-M&R; WG-ENV,

5. Terms of reference of the Advisory Committee

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

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

5.1 Strategic Planning would broadly include actions that:

- (i) Initiate the necessary steps to establish the program,
- (ii) Provide policy direction and leadership for the program,
- (iii) Oversees the development and review of the Strategy and the Framework Action Plan,
- (iv) Consider proposals for setting up new Regional Nodes based on the Action Plan.
- (v) Develop policies/plan to bring coherence and interaction between the Regional Nodes,
- (vi) Review current and potential organizational structure, and
- (vii) Advise and assist Regional Nodes.

5.2 Review and Monitoring

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

5.3 Resources Mobilization

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

5.4 Coordination and Communication

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

6. Regional Nodes

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

- (a) undertaking all research activities according to the agreed work plan, and aligned to the Framework Action Plan,
- (b) securing funding from their respective government and any other bilateral funding sources,
- (c) executing high quality research in accordance with the work plan agreed to, operating efficiency and in alignment to overall strategy,
- (d) reporting research impacts as is required by the Board or any performance contract, and
- (e) the coordinating country empowers RN by countries in fulfilling their objectives.

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

- (i) Head of RN,
- (ii) Representatives of participating member countries,
- (iii) Representative of PCTA,

- (iv) Executive Secretary,
- (v) Regional FAO Representative,
- (vi) Regional IDB Representative, or other world/regional development banks, donors.

6.2 Functions of the Regional Nodes

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

6.3 The scope of the activities of Regional Nodes:

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

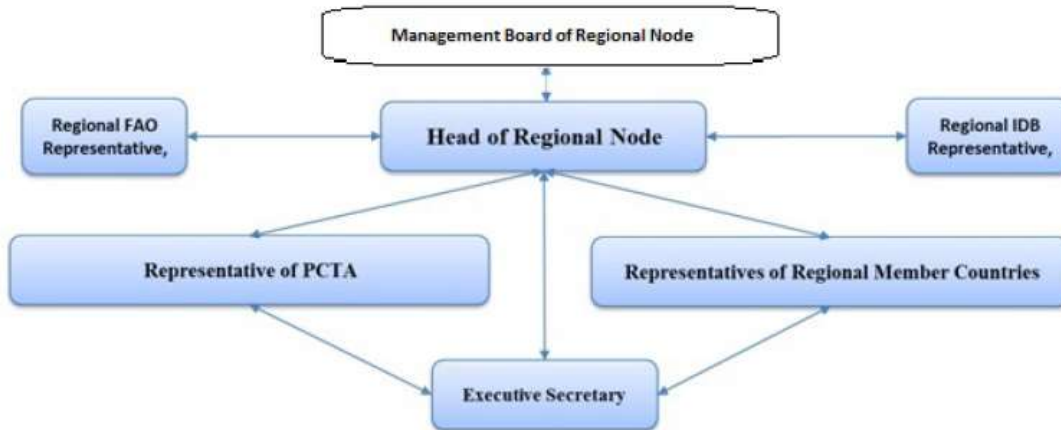
- (i) Study and research engineering aspects of irrigation and drainage related issues such as reservoirs, canals, drains, and other related infra-structures for storage, conveyance, distribution, collection, and disposal of water.
- (ii) Conduct researches on stakeholders' participation in irrigation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

6.4 MBRN's responsibilities

Each unit carries out the following duties:

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

Regional Nodes Organizational Chart



Abbreviations, wherever are used are meant as follows:

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



**AGENDA FOR 27TH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)**

9 November 2016, 09.00-10.30 hours (Session I)
9 November 2016, 11.00-12.30 hours (Session II)
Chiang Mai, Thailand

Presented by the Chairman

Year of Establishment: 1994

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

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

AFRWG Agenda Item 1: Action taken report by Chair

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

AFRWG Agenda Item 2: Brief report of the interim meeting of the WG on 27 April 2016, Egypt

2. During the 4th African Regional Conference on Irrigation and Drainage (ARCID), a special session/ interim meeting for AFRWG was organized on 27 April 2016 at Cairo to discuss about the status of finalization of strategy document so that it can be circulated to all members of the group before the Chiang Mai meeting. Eighteen persons from Ncs of Malawi, Mali, Uganda, South Africa (WG Chair), ICID and 12 YP trainees (Burkina Faso, Egypt, Malawi, Mauritius, Nigeria, Somalia, South Africa, Tanzania, Tunisia, Uganda, and Zambia) participated in the interim meeting of the group. Chair will provide a brief report of the interim meeting.

AFRWG Agenda Item 3: ICID Action Plan 2030 – Activities in African region

3. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

4. Since no response is received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

AFRWG Agenda Item 4: Position paper on Green Revolution in Africa

5. During the 4th African Regional Conference on Irrigation and Drainage (ARCID), an interim meeting of AFRWG was held on 27 April 2016 at Aswan wherein it was recommended that ICID needs to prepare a position paper on 'Green Revolution in Africa' and to set up a mechanism to extend its support in the area of Agriculture Water Management. During the conference, a questionnaire was circulated by ICID to the participants and NC members with a request to submit the filled-in questionnaire to the Central Office so that it will help in preparation of a Position Paper.

6. In June 2016, the questionnaire was circulated to all members and African National Committees and requested them to submit the filled-in form by 15 August 2016. In response, Eng. Thubelihle Thebe (Zimbabwe), Dr. Ahmed Adam (Sudan), Mohamed Bouaam (Morocco) have provided the filled-in questionnaires. The filled-in questionnaire is intended to facilitate preparation of the position paper that is supposed to be considered during the AFRWG

meeting and PCSO/ IEC at Chiang Mai. It will also partially serve as one of the inputs to the preparation of Action Plan. WG Chair and members of the group will provide further updates

AFRWG Agenda Item 5: Progress on implementation of the action program for Africa

AFRWG Agenda Item 5.1: Developments in irrigation and allied issues

7. The Southern African Regional Irrigation Association (SARIA) successfully held its annual workshop and steering committee meeting from 16-18 February 2016 at Lilongwe, Malawi. The main theme of the workshop was "Rural fresh aquaculture". Representatives from SARIA member countries viz. Botswana, Congo, Lesotho, Madagascar, Malawi, South Africa, Swaziland, Zambia, and Zimbabwe, and the representative from FAO participated in the workshop. The Hon'ble Minister of the Department of Agriculture and Irrigation from Malawi welcomed the delegates and shared his perspective and vision about the Southern African Development Community (SADC) activity with the participants. He highlighted the willingness of the Malawian Government to support SARIA activities and shared a brief situation overview on the experiences and challenges faced by the irrigated sector in Malawi, like erratic rainfall patterns, prolonged dry spells which are affecting food production etc.

8. Dr. Sylvester Mpandeli, Chairperson of SARIA announced that SARIA would host symposium in 2017 at South Africa. The aim of the symposium would be – (a) to review if the SARIA group has achieved its objective set in the SARIA strategy since 2012; and (b) to identify new training themes from 2018 to 2021 as part of capacity building and information dissemination. WG Chair will provide further updates in the WG meeting.

AFRWG Agenda Item 5.2: Strategy for capacity building in Africa

9. AFRWG identified lack of capacity development especially among young professionals as one of the critical issues and accordingly developed a Capacity Building Strategy (CBS) for Africa in 2015. In March 2016, Chair informed that after the Montpellier meeting, he had not received any updated information from the National Committees on the strategy document for capacity building in Africa which was proposed for discussion and launch during the interim meeting of AFRWG held in April 2016 during 4th ARCID. WG Chair launched the capacity development strategy document during Egypt meeting as a dynamic and living document to be updated regularly. In order to assess the milestones and also to identify new themes as part of phase 2 of this strategy, Chair proposed to organize a Symposium in 2017. WG Chair will provide further updates in the matter. The WG may also consider preparing a list of potential partners including the institutions providing the training and the financial institutions for support for undertaking capacity development activities.

AFRWG Agenda Item 6: Dissemination of Working Group's activities

10. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments, methods and innovative in the field of agriculture water management practices. Members are also requested to provide information, papers, presentation made on topics of interest to the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

AFRWG Agenda Item 6.1: Publicizing working group's activities through a Newsletter and other International publications

11. At the Montpellier meeting, the group discussed about the publicizing working group's activities through a Newsletter and other international publications and recommended that each member country must provide information on their activities to either the chairperson or the ICID Central Office so that same can be published in the ICID newsletter. After the Montpellier, WG Chair Dr. Sylvester Mpandeli has provided an article to ICID Central Office for its inclusion in the ICID News. In May 2016, Central Office requested members to provide information related to the activities of the group. WG Chair and members will further deliberate in the matter.

12. It is a matter of concern that in some of the countries large irrigation programs have been initiated with or without external partners, but information on such systems are not being shared among the NCs or WG members. Members may like to evolve a mechanism to share such information.

AFRWG Agenda Item 6.2: Working Group's website

13. At the Montpellier meeting, the working group encouraged members to submit the profile/ summary of their activities as well as information on any activities related to irrigation and drainage in their respective countries for uploading on ICID and NC website. Morocco agreed to send information/document for uploading on WG website. In May 2016, the Central Office reminded members to provide the interesting articles/ reports/ documents related to African region for its publishing in ICID News Update and for posting on website. Response is awaited. Chair may like to provide further updates.

AFRWG Agenda Item 7: Report on Training program on 'On-farm water use and management', 17-24 April 2016, Egypt

14. ICID with the support of the Egyptian National Committee on Irrigation and Drainage (ENCID) and in coordination with the RCTWS organized a short training programme on "On-farm Water Use and Management" from 17-24 April 2016 in Egypt for participants from African countries with the aim of building the capacity of the engineers and practitioners in the areas of water resources management, irrigation and drainage. The course was designed to give the candidates opportunity to obtain knowledge and experience in the different related subjects dealing with irrigation and drainage. A total of 21 participants from 15 countries (Burkina Faso, Egypt, Iran, Kenya, Malawi, Mauritius, Morocco, Nigeria, Somalia, South Africa, Sudan, Uganda, Tanzania, Tunisia, and Zambia) participated in the training programme. Training course was inaugurated by the Head of RCTWRS in the presence of Vice President Dr. Mohamed Abd-El-Moneim Wahba; Dr. M H Amer, President, ENCID; Dr. Sylvester Mpandeli, Chair, AFRWG; and Er. Harish Kumar Varma, Executive Director, ICID on 18 April 2016. The training was successfully organized with sponsorship support from African- Asian Rural Development Organization (AARDO), Ministry of Water Resources China through CNCID and Korean Rural Corporation (KRC) through Korean National Committee on Irrigation and Drainage (KCID). WG Chair will apprise members on the training course and its outcome.

AFRWG Agenda Item 8: Report on 4th African Regional Conference, 26-28 April 2016, Egypt

15. The 4th African Regional Conference on Irrigation and Drainage (ARCID) was organized from 26-28 April 2016 at historical city of Aswan, Egypt on the theme 'Agricultural Land and Water Management for Sustainability under Climate Variability' by Egyptian National Committee on Irrigation and Drainage (ENCID). Around 250 participants mainly from Africa attended the conference representing 31 countries. The conference held under the patronage of Prime Minister of Egypt, was inaugurated by H.E. Prof. Mohamed Abdel Atty, Minister of Water Resources and Irrigation, Egypt. The 4th ARCID was sponsored by a number of partners from ICID, ENCID, Ministry of Water Resources and Irrigation, KRC, KCID, ICARDA, RTSWRI, NWRC, Arab Water Council, GIZ, WMRP, MWRI Planning Sector, EgyptAir, Banque du Caire, FAO, National Bank of Egypt, among others. Recommendations of the ARCID are shared with the WG members for information (**Annex 2**). Member may discuss the way forward to take follow up action on these recommendations.

AFRWG Agenda Item 9: Review of membership of the group and countries

AFRWG Agenda Item 9.1: Membership of the group

16. At the Montpellier meeting, the working group considered the membership issue and invited national committees to pay their annual subscription timely and also encourage other national committees in their regional blocks to join ICID. Accordingly, in May 2016 Central Office requested the National Committees of Ethiopia, Madagascar, Malawi, Mali, Morocco, Niger, Sudan, Tanzania, Zimbabwe to nominate a person to join AFRWG to promote links and networking among the African countries. WG may note that no further nominations have been received. Existing membership of the WG is given at **Annex 3**.

AFRWG Agenda Item 9.2: Membership of African countries

17. At the Montpellier meeting, the group discussed about the membership of Africa region. During the meeting, the WG deliberated on the membership issue of African countries and encouraged African countries who are not yet member of ICID to join ICID by setting up a National Committee. It is for the information of the WG that due to sincere and concerted efforts made by Mr. Abdullahi Hassan Hussein, YP trainee from Somalia, a National Committee has been established in Somalia (SOMNCID) and Somalia NC has already applied for membership of ICID from 2017. WG chair and members may like to put appreciation for efforts of Mr. Abdullahi. WG members will provide further updates in their efforts to encourage other non-member countries to become member of ICID.

18. During the meeting, representatives from Egypt informed WG that they are trying to facilitate a meeting of the member countries of the North African region and would like to undertake the process of developing a Memorandum of Understanding (MoU) with all the North African countries and hold elections to decide on the chairmanship and location of the office. Dr Sylvester Mpandeli, Chairman of the group emphasized that the regional nodes must make a concerted effort to request countries in their region to join ICID. In May 2016, Central Office requested VP Wahba/ VPH Samia El-Guindy/ VPH Amer to provide further status on the process of formation of North African Regional Association. Member from Egypt may like to provide further updates in the matter.

AFRWG Agenda Item 10: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 10 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Sylvester Mpandeli (Chair)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | | | | | |
| | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Position paper on Green Revolution in Africa | Position paper | Prepare the draft paper | Finalise the paper | | | |
| | 2.2 Strategy for capacity building in Africa | Strategy/ Policy | Identify new themes and revise the strategy | Update the strategy | | | |

| | | | | | | | |
|--|---|----------------------------|---------------------------|--------------------|--------------------|------------------|--------------------|
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 International conference/ workshop/ seminar | Compilation of proceedings | SARIA symposium in 2017 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | 3.2 Regional Irrigation Association | Collaboration | Collaboration with NARAID | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |

**4TH AFRICAN REGIONAL CONFERENCE ON IRRIGATION AND DRAINAGE (ARCID)
26-28 April 2016, Aswan, Egypt**

The main recommendations are:

1. ICID needs to prepare a position paper and to set up a mechanism to extend its support in the area of Agriculture water Management.
2. Increasing irrigation efficiency by accurate estimation of irrigation water requirements using innovative technologies.
3. Water management plans should take into account temperature increase, rainfall decrease, and subsequent water resources decline. Protection of lowland coastal areas from seawater rise and inundation should be considered.
4. It is proposed that in- steam natural clean flow can be applied along polluted water ways to reduce pollution.
5. It is recommended to use the available criteria based on both GIS and groundwater MODEL as a fast response to draw future plans for agriculture development.
6. Further studies are required on the impact of sewage water on the aquifer. Attention should be given to reusing wastewater for irrigation in desert areas where the aquifer is characterized by high vulnerability to contamination.
7. Irrigation with brackish water “Guidelines on Brackish Water Use for Agricultural Development” should be disseminated on a wide scale and should be made simpler to be easily used by the farmers.
8. Dissemination of knowledge from NC to their members is needed. NC activities are required to be set up on website sharing experience of ICID is important.



MEMBERSHIP OF AFRICAN REGIONAL WORKING GROUP (AFRWG)

| Sl. No. | Countries (Year of joining) | Present representatives (Year of Joining) | Remarks |
|--------------------------------------|------------------------------------|--|---|
| 1. | South Africa (1993) | Dr. Sylvester Mpandeli, Chairman (2013) | Attended meetings in 2014 & 2015 and contributed |
| 2. | Egypt (1950) | VPH Dr. Samia El-Guindy (2010) | Attended meetings in 2014 & 2015 |
| 3. | Nigeria (1970) | Engr. Joe Kwanashie (2014) | Represented by NINCID in 2015 |
| 4. | Burkina Faso (2014) | Mrs. Salamata Karambiri MIWENDE (2015) | Attended meeting in 2015 |
| 5. | Chad (2012) | Mr. Tchouadang Kadjonga (2015) | Attended meeting in 2015 |
| 6. | Zambia (1966) | Mr. Mulako Cornelius Sitali (2015) | Accepted as Provisional Member in Montpellier meeting in 2015 |
| 7. | Ethiopia (1976) | Representative from ETCID | ETCID requested to send nomination for the Group |
| 8. | Madagascar (2014) | Representative from MADCID | MADCID requested to send nomination for the Group |
| 9. | Malawi (1967) | Representative from MALCID | MALCID requested to send nomination for the Group |
| 10. | Mali (2005) | Representative from AMID | AMID requested to send nomination for the Group |
| 11. | Morocco (1959) | Representative from ANAFIDE | ANAFIDE requested to send nomination for the Group |
| 12. | Niger (2007) | Representative from ANID | ANID requested to send nomination for the Group |
| 13. | Sudan (2015) | Representative from SNCID | SNCID requested to send nomination for the Group |
| 14. | Tanzania (2011) | Representative from TANCID | TANCID requested to send nomination for the Group |
| 15. | Zimbabwe (1955) | Representative from ZwCID | ZwCID requested to send nomination for the Group |
| Observers/Permanent observers | | | |
| 1. | | FAO Representative | |
| 2. | | World Bank Representative | |
| 3. | Italy | Mr. Jean Syroganis Camara | |
| 4. | Italy | Mr. A. de Vito | |
| 5. | | ARID Representative | Attended meeting in 2015 |
| 6. | | SARIA Representative | |
| 7. | | AgWA Representative | Attended meeting in 2015 |



**AGENDA FOR THE 22ND MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)**

09 November 2016: 09:00-10:30 hours (Session-I)

09 November 2016: 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Presented by the Chairman

Year of Establishment: 1995

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

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

ERWG Agenda Item 1: Action Taken Report by Chair

1. During the last International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Montpellier in 2015.

ERWG Agenda Item 2: ICID Action Plan 2030: Activities relevant to European Region

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response was received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the Core Group for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

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

4. During first meeting of the Task Force on Revitalisation of ICID Network held in June 2016, members especially from Europe felt that European Union policies related to water resources sector have resulted in diminishing importance of policy making in irrigation and drainage in the countries. This is also included as one of the activity in the suggested action plan of the group (Annex 1). ERWG will deliberate on the issue and come out with methodology and action plan to undertake policy review activity.

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

5. The ERWG Water Network includes 7 National Water Management Associations, 5 European professional organizations, and 5 European Water Management Institute (**Annex 2**). During the last meeting in Montpellier (2015), the Chairman invited the members for more frequent interactions with these associations and strengthen the linkages further. WG members will provide feedback on their interaction or cooperation with these regional and trans-national organisations.

ERWG Agenda Item 5: Activities of Focus Groups of ERWG

6. At Montpellier meeting, the WG discussed the functioning of Focus Groups which were setup under ERWG to raise the issues related to European viewpoint in the respective workbodies of ICID and revert back to ERWG on the relevant issues within the scope of focus groups. Six focus groups are as follows:

- (a) Focus Group on History (VPH Laszlo Hayde)
- (b) Focus Group on Poverty Alleviation (PH Peter S. Lee)

- (c) Focus Group on Environment (Mr. Osmo Purhonen)
- (d) Focus Group on Drainage (renamed as Working Group on Sustainable Drainage, WG-SDG) (Dr. Irina Bondarik)
- (e) Focus Group on Water Related Risks (Prof. Klaus Roettcher & Mr. Olli-Matti Verta)
- (f) Focus Group on Project Partnership and Financing (Ir. Leon Winjker)

7. Since some of the thematic focus groups either do not exist or are not functioning well, it was agreed to review and investigate their functioning, including continuation of these focus groups. Accordingly, WG Chair was requested to initiate exercise of reviewing activities and continuation of these focus groups so that outcome of the exercise can be discussed during the meeting of the Group in November 2016 at Chiang Mai, Thailand. WG chair will apprise members of the status of review exercise and WG will deliberate and take decision of continuation/discontinuation and/or modification in the focus groups structure and mandate.

ERWG Agenda Item 6: Revitalization of ICID network

8. As per decision of the 66th International Executive Council (IEC) meeting held in October 2015 at Montpellier, France (Resolution IEC-3/66) and decision taken in the first meeting of the Management Board (MB) held on 29 March 2016, establishment of the Task Force on Revitalization of ICID Network, headed by VPH Dr. Huseyin Gundogdu (Turkey), Chairman of PCSO, has been notified vide notification 13 of 2016 dated 3 May 2016 (**Annex 3**) with the broadened scope including study of the reasons responsible for the gradual withdrawals of National Committees (NCs) from Europe from the membership of ICID and review of the constitutional arrangement of the NCs from Europe and their financial operational arrangements.

9. First virtual meeting of the TF was held on 16 June 2016 through web-conferencing. The Chair of the TF will present his report at the meeting PCSO/IEC for its consideration and further guidance in revitalizing the ICID Network globally and Europe, in particular (**Refer PCSO agenda item 3.4, page 37**). VPH Dr. Laszlo Hayde, who is also member of the TF, may apprise WG members of the latest status.

ERWG Agenda Item 7: Dissemination of Information – Website

10. Members are requested for their active participation in the activities of the ERWG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments in the field of value engineering. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the ERWG to the ICID Central Office for uploading on the web site of the ERWG. Members may like to discuss and evolve methodology for sharing of information and updation of ERWG website <http://erwg.icidonline.org>. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face-to face meeting during IEC.

ERWG Agenda Item 8: Review of the membership of the Working Group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB has decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conferencing. Accordingly, the updated membership of the WG is at **Annex 4** (*see the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

12. Austria and Norway have become Associate Member while Germany has withdrawn its membership. Efforts have been made through some past members/observers, who attended ERWG meeting (Mr. Johannes Deelstra, Norway and Mr. Peter, Austria) to facilitate reactivation of these NCs, but without any success. WG members may discuss on methodology how to continue facilitation support for reactivation of these NCs.

13. During the ERWG meeting, Mr. Luciano Mateos (Spain) attended as an Observer and agreed to facilitate reorganization of the Spanish National Committee CERYD). Subsequently, VPH Jose Ortize (Spain), Executive Secretary of the Spanish National Committee was requested to send nomination for the WG who informed that due to lack of funds to support its membership they are unable to send any nomination for the ERWG.

ERWG Agenda Item 9: Any other business

NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 10 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VP Ian Makin (UK); VPH Peter Kovalenko (Ukraine), Vice-Chair and Mr. Olli-Matti Verta (Finland), Secretary

Date:

| | | Outcomes / Outputs | Milestone for year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|--------------------------------------|--|---|--|--|--|
| Goal 1: Enable higher crop productivity with less water and energy | | | | | | | |
| | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | WG Activity 2.1 | Report | Compilation of various policies related to water resources by Members in their country and start review few most important policy document | Draft of policy review report with recommendation | Finalisation and issue of policy review report and | Finalisation and issue of policy review report and | Finalisation and issue of policy review report and |
| | Review of European/NC policy documents related to water resources that impact irrigation and drainage sector | | | | Continuation of review of remaining policy document | Continuation of review of remaining policy document | Continuation of review of remaining policy document |
| | WG Activity 2.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | WG Activity 3.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | Organise Workshop / Seminar etc. | Proceedings of workshop/seminar etc. | To decide on theme and sub-themes for the workshop/seminar to be organised as internal/international workshop in the WG meeting | Workshop/seminar | Workshop/seminar including publication of outcome / recommendations from previous workshop | Workshop/seminar including publication of outcome/recommendations from previous workshop | Workshop/seminar including publication of outcome/recommendations from previous workshop |

| | | Outcomes / Outputs | Milestone for year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|---|---------------------------------|--|--|--|--|--|
| | WG Activity 3.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | 27 th ERC (once a three year) | Proceedings of conference | To decide on theme and sub-themes and preparation of activity plan | Host NC to organise conference | | | Host NC to organise conference |
| | WG Activity 3.3 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | To promote awareness on water issues for environmentally sustainable water management in Europe | Knowledge exchange and transfer | Member NCs to organise some events for sharing of knowledge/experience to create awareness | Member NCs to organise some events for sharing of knowledge/experience to create awareness | Member NCs to organise some events for sharing of knowledge/experience to create awareness | Member NCs to organise some events for sharing of knowledge/experience to create awareness | Member NCs to organise some events for sharing of knowledge/experience to create awareness |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 4.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 4.3 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 5.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 5.3 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |

| | | Outcomes / Outputs | Milestone for year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|--|--|--|---|--|--|
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | To launch e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe for Young Professionals | Knowledge sharing and capacity development of YP | e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' | e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' | e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' Organise a Side Event in WIF3 | e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' | e-Discussion on Water issues and/or Environmentally Sustainable Water Management in Europe like as 'IYPeF' |
| | WG Activity 6.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |

EUROPEAN REGIONAL WORKING GROUP (ERWG)

1. Profile

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

- (a) Knowledge transfer and exchange of experience in matters of border crossing water and land management in European countries
- (b) Co-operation of experts and organisations engaged in national, supranational and international objectives of water management and irrigated agriculture
- (c) Development and promotion of border crossing projects and conferences
- (d) Members are the ICID National Committees of 17 European countries, as below:

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

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

2. Countries with observer status

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

3. Water Network

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

4. Five European professional organizations

- (a) CIPR - Commission Internationale pour la Protection du Rhin
- (b) EurAgEng - Special Interest Group on Soil and Water, European Society of Agricultural Engineers
- (c) EWA - European Water Association
- (d) EWRA - European Water Resources Association
- (e) TECHWARE - Technology for Water Resources

5. Seven National Water Management Associations

- (a) BSHE - Bulgarian Society of Hydraulic Engineers
- (b) DWA - German Association for Water Management, Waste Water and Waste (Chair: Prof. Klaus Roettcher)
- (c) DONBH - Society for Irrigation and Drainage of Bosnia & Herzegovina
- (d) LZHS - Lithuanian Association of Land and Water Management Engineers
- (e) MHT - Hungarian Hydrological Society
- (f) RSRE - Russian Society of Reclamation Engineers
- (g) SITWM - Polish Association for Water Plant Construction and Land Improvement Engineers and Technicians

6. Five European Water Management Institutes

- (a) ACVAPROJECT - Water Management Design Institute (Moldova Republic)
- (b) DHI - Danish Hydraulic Institute
- (c) IIDS - Institute of Irrigation and Development Studies, University of Southampton (United Kingdom)
- (d) RIIDHE - Research Institute for Irrigation, Drainage and Hydraulic Engineering (Bulgaria)
- (e) IME - Institut Méditerranéen de l'Eau (France)

7. Work Results

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

8. Projects

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



ICID•CIID

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

Notification No.13 of 2016

Dated: 03 May 2016

Sub: Setting up of Task Force on Revitalization of ICID Network

Vide Resolution IEC-3/66, the 66th International Executive Council (IEC) meeting held in Montpellier, France on 16 October 2015 has approved setting up of a Task Force to study the reasons responsible for the gradual withdrawals of National Committees (NCs) from Europe from the membership of ICID and other issues faced by these NCs. Subsequently, the Management Board (MB) at its first virtual meeting (1/16) on 29 March 2016 observed that under the given new vision and mission, it is important to take stock of the present status of the effectiveness of existing mechanism. The MB, therefore, decided to broaden the scope of the TF and rename it as Task Force on Revitalization of ICID Network, in keeping with the broader Terms of Reference of TF. In compliance with the decisions of 66th IEC and subsequent decision of the Management Board, a Task Force on Revitalization of ICID Network is hereby set up with the following Composition and Terms of Reference (ToR).

Composition:

- | | |
|---|--------------------|
| 1. VPH Dr Huseyin Gundogdu (Turkey) | - Chair |
| 2. PH Peter Lee (UK) | - Member |
| 3. VPH Dr Laszlo Hayde (Hungary) | - Member |
| 4. VPH Dr G.R. Backeberg (South Africa) | - Member |
| 5. VPH Frank Dimick (USA) | - Member |
| 6. All Vice Presidents of ICID | - Observers |
| 7. Avinash C Tyagi, Secretary General, ICID | - Member Secretary |

Terms of Reference:

- To review the interrelationships between ICID, the NCs and the national stakeholders engaged with AWM and the effectiveness of the network in fulfilling the new vision;
- To review the role of NCs of ICID vis a vis other professional organizations within the countries in water sector such as country water partnerships;
- To take stock of the constitution of various NCs of Europe, and study their financial operational arrangements,
- To study the reasons for withdrawal of European NCs from membership of ICID in the recent past and suggest the means of retaining these countries as member of ICID,
- To suggest measures for long-term financial sustainability of the NCs, and
- To recommend measures for improving the profile of NCs within the countries.

The TF should actively involve all the Vice Presidents in the process to undertake specific issues related to each sub-region and work as far as possible through virtual meetings.

Avinash C. Tyagi
Secretary General, ICID

MEMBERSHIP OF EUROPEAN REGIONAL WORKING GROUP (ERWG)

| Sl. No. | Countries (Year of joining) | Present representatives (Year of Joining) | Remarks |
|--------------------------|-----------------------------------|--|--|
| 1. | United Kingdom (1951) | Mr. Ian Makin (2014), Chairman, 2015 | Attended the WebEx and WG meeting in 2015 |
| 2. | Ukraine (1996) 2014 | VPH Prof. Dr. Peter Kovalenko, Vice Chairman, 2005 (1999) | UACID became active member w.e.f. Jan 2016. |
| 3. | Finland (2000) | Mr. Olli-Matti Verta, Secretary, 2011 | Attended the WebEx and WG meeting in 2015 |
| 4. | Hungary (1955) | VPH Dr. Laszlo Hayde, Ex-Chairman and member | Attended the WebEx and WG meeting in 2015 |
| 5. | Austria (1954) 2014* ¹ | Dipl. Ing. Frederick M. Cate (1998) | Attended the WebEx meeting in 2015 and AUNCID became "Associate Member" in 2014 |
| 6. | Croatia (1993) | Dr. Davor Romic (2002) | No contribution during 2013, 2014 & 2015 |
| 7. | Czech Republic (1997) | Prof. Dr. Svatopluk Matula (1997) | No contribution during 2013, 2014 & 2015. |
| 8. | France (1953) | Dr. Sami Bouarfa (2013) | Represented in the WG meeting in 2014 & 2015 |
| 9. | Estonia (2001) | Mr. Hannes Puu (2015) | Represented in the WG meeting in 2015 |
| 10. | Germany (1957) 2015* | Mrs. Sabine Seidel, as Young Professional (2011) | Attended the WebEx meeting and represented in the WG meeting in 2015 |
| | | Dr. Klaus-Dieter Vorlop (2012) | Through representation in 2013 & 2014 |
| 11. | Italy (1950) | Mr. Marco Arciero (2015) | Attended WG meeting in 2015 |
| 12. | Ireland (1978) | Dr. John Martin (2003) | No contribution during 2013, 2014 & 2015 |
| 13. | Netherlands (1950) | Representative | NETHCID requested to send nomination for the group |
| 14. | Portugal (1954) | Mr. Pedro Eduardo da Cunha Serra (1996) | No contribution during 2013, 2014 and 2015 |
| 15. | Romania (1992) | Prof. Dr. Ion Nicolaesco (1996) | No contribution during 2013, 2014 & 2015 |
| 16. | Slovenia (1992) | VPH Prof. Dr. Brane Maticic (1996) | Contributed by email in 26 th ERC Program in 2015 |
| 17. | Spain (1955) | Spanish representative | Mr. Luciano Mateos (Spain) attended the meeting in 2015. VPH Ortiz informed their inability to nominate a suitable person at this stage. |
| 18. | Switzerland (1951) | Switzerland Representative | Mr. Petra Hellemann, Secretary of CH-AGRAM informed that a suitable person will be nominated to represent in the WG meeting in 2016. |
| 19. | Russia (1955) | Dr. Irina G. Pankova, as Young Professional (2007) | No contribution in 2014 & 2015 |
| | | Dr. Irina Bondarik (2012) | Attended the meeting in 2013, 2014 & 2015 |
| Ex-Officio Member | | | |
| 1. | Russia | Mr. Peter Alexey Yurievich (2014), Chairman, erstwhile European Work Team on Drainage, EWTDR | No contribution in 2015 |

¹ * Year in which withdrawn or became "Associate Member"

**AGENDA FOR 23RD MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)**

09 November 2016, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Chiang Mai, Thailand

Presented by the Chairman

Year of Establishment: 1996

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

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

ASRWG Agenda Item 1: Action taken report by Chair

1. During the last International Executive Council (IEC) meeting, all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and continue their membership. WG may please take note. The Chairman may like to present report on the actions taken on the various decisions/ proposals of the working group since Montpellier Meeting in 2015.

ASRWG Agenda Item 2: ICID Action Plan 2030 – Activities in Asian region

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plans, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 towards identifying actions to achieve the Organizational Goals in their area of activities which would in turn form a part of ICID Action Plan for Vision 2030.

3. Since there is no response received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**). The group will discuss the draft activity plan and finalize it during the Chiang Mai meeting (2016) and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. The members may deliberate.

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

4. In January 2016, VP Bonghoon Lee (Korea) informed that KCID has been preparing draft Memorandum of Understanding (MoU) between Iranian National Committee (IRNCID) and Korean National Committee (KCID) for future collaboration. VPH Shati/ VP Lee may apprise the WG on MoU. Members may deliberate how such collaborative agreements could be used to enhance the objectives of ICID Action Plan and help in its mission.

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

5. At Montpellier meeting (2015), the group discussed the collaboration between International Society of Paddy and Water Environment Engineering (PAWEES) and ASRWG after presentation of a brief report on background of this collaboration by Prof. Kim (Korea). Prof. Tsugihiko Watanabe, the President of PAWEES expressed agreement with the PAWEES-ASRWG collaboration in general, and promised to support the ASRWG actively by preparing a draft proposal for such collaboration. Towards facilitating this collaboration, Dr. Watanabe informed that PAWEES will cooperate in organizing a side event, keeping in view the PAWEES- ASRWG collaboration, during the PAWEES 2016 Conference (refer item 3.1).

6. The 12th PAWEES Conference on the theme “*Sustainable Paddy Water Management in Water-Energy-Food Nexus*” will be held from 20-21 October 2016 at Daejeon City, Republic of Korea and the sub-themes of the conference are - (1) Water Food Relationships and Agricultural Water Management; (2) Tools and Analysis for Better Paddy Water Management; (3) Climate Change and Paddy Water Management. Dr. Watanabe may apprise the WG on the outcomes of the PAWEES conference and ASRWG collaboration there in. He would also suggest some joint outputs to make the collaboration successful.

ASRWG Agenda Item 5: Work Team (WT) on “Contribution of Agricultural Water to the Rural Development in Asia”

7. During WIF2, a Side Event (SE) on ‘*Agricultural Water Management for Sustainable Rural Development*’, jointly organized by African-Asian Rural Development Organization (AARDO) and ASRWG will be held on 7 November 2016 at Chiang Mai. Since the subject of SE and internal workshop of ASRWG were similar, it was proposed to combine the two events and invite country papers/ case studies on the subject. The half-day event will discuss issues related to agricultural water management for sustainable rural development with focus on low cost, locally available and environmentally sensitive practices and technologies for Agricultural Water Management (AWM), social and human capital for irrigation and rural development, micro financing and multi-functionality of irrigation systems.

8. The Technical Report of the WG will be based on the papers received in the past during the internal workshops and new papers received for the above SE. Some of the technical papers from the above SE may be selected for a Special Issue of AARDO Journal on “Agriculture Water Management for Sustainable Rural Development” in 2017. VPH Karim Shiaty/ Prof. (Ms.) K.S. Choi may brief the WG on the outcome of the SE, co-organized by the WG.

ASRWG Agenda Item 6: 8th Asian Regional Conference, 2018

9. The 66th International Executive Council (IEC) held at Montpellier in October 2015 had approved (vide its Resolution IEC 3/66) the organization of the 8th Asian Regional Conference (ARC) in Nepal in 2018. In August 2016, Mr. Madhav Belbase, President, Nepal National Committee, has informed that the 8th ARC is likely to be organized in March 2018 at Kathmandu, Nepal. The regional working groups are expected to guide the technical activities of the Regional Conferences. ASRWG will deliberate on the theme/ sub-themes of the Regional Conference. Mr. Belbase or his representative will provide updates on the preparation and present technical proposals for deliberations by the ASRWG.

ASRWG Agenda Item 7: Publications of the Working Group

10. During Montpellier meeting (2015), the group discussed the final (draft) technical report of ASRWG-WT titled “*Contribution of Agricultural Water to the Rural Development in Asia*” and is likely to be published in 2017 and would be presented/distributed during the 8th World Water Forum (WWF8). In order to finalize the report, Prof. (Ms.) KS Choi has followed-up with the concerned members and the SE (refer Item 5). VPH Karim Shiaty/ Prof. (Ms.) K.S. Choi may apprise the WG on the Technical Report.

ASRWG Agenda Item 8: Report of the side event on ‘Environmental performances of paddy rice systems in the context of climate change: approaches and case studies – Towards climate-smart and sustainable paddy rice systems’, November 2016, Chiang Mai

11. During the WIF2, another Side Event on ‘Environmental performances of paddy rice systems in the context of climate change: approaches and case studies – Towards climate-smart and sustainable paddy rice systems’ will be held on 8 November 2016 in Chiang Mai. The half-day event will discuss recent advances in research and development on the environmental performances of paddy rice systems in the context of climate change. The event was coordinated by Dr. Sylvain Perret, Chairman, WG-ENV and co-organized with WG-CLIMATE, ASRWG, INWEPF, PAWEES, AFEID and CIRAD. VPH Karim Shiaty may apprise the WG on the outcome of the SE.

ASRWG Agenda Item 9: Membership of the Working Group

12. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, it was decided by the Management Board that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

13. No new nominations have been received. However, the membership of Mr. Ilkhom Jaraev (Uzbekistan), Provisional Member in 2015, has been regularized as he contributed to the activities of the group in 2016. Chinese National Committee (CNCID) has nominated Mr. Wang Aiguo in place of Mr. Wang Xiaodong for the membership of the WG.

14. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 2** (refer *electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCSO meeting on 10 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Karim Shiati (Chairman)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|---|--------------------------------|--|--|--|----------------------------|----------------------------|----------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Publication | Special Issue of AARDO Journal | Side Event with AARDO | | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 International conference/ workshop/ seminar | Compilation of proceedings | | | 8 th Asian Regional Conference, March 2018, Nepal | | | |
| | 3.2 ASRWG-WT on "Contribution of Agricultural Water to the Rural Development in Asia" | Technical Report | Publish the Technical Report based on workshops/SE | | Contribute to WWF8 | | | |
| | | | | | | | | |

| | | Outcomes/ Outputs | Milestone for Year 2017 | | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|------------------------------|--|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | 3.3 Linkages for International Cooperation | Collaboration/ MoU | Exchange training between TUCID and IRNCID | | | | | |
| | | | | | | | | |
| | | | MoU between IRNCID and KCID | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 Developing inter-sectoral engagement | | Collaboration between PAWEES and ASRWG | | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | | |
| | | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | | |

MEMBERSHIP OF ASIAN REGIONAL WORKING GROUP (ASRWG)

| Sl. No. | Countries (Year of joining) | Present representatives (Year of Joining) | Remarks |
|---------|-----------------------------|---|--|
| 1. | Iran (1955) | VPH Karim Shiati, Chairman, 2006 (1997) | Attended meetings in 2014 & 2015 and contributed |
| 2. | China (1963) | Mr. Wang Xiodong (2008) | Attended meeting in 2013 and represented in 2014 |
| 3. | India (1950) | Dr. Kota Tirupataiah (2012) | No contribution during last 2 years |
| 4. | India (1950) | Dr. Rajinder Kumar Gupta -Direct Member (WAPCOS) (2014) | Contributed an abstract for internal workshop in 2015 |
| 5. | Japan (1951) | Mr. Naoki Hayashida (2014) | Attended meetings in 2014 & 2015 |
| 6. | Malaysia (1958) | Ir. Syed Abdul Hamid bin Syed Shuib (2013) | Attended meeting in 2014 and represented by MANCID in 2015 |
| 7. | Nepal (1973) | Mr. Uttam Raj Timilsina (2011) | Contributed in 2014 |
| 8. | Thailand (1950) | Mr. Arthon Suttigarn (2012) | Attended meetings in 2014 & 2015 |
| 9. | Turkey (1954) | Dr. Aynur Fayrap (2012) | Attended meetings in 2014 & 2015 |
| 10. | Indonesia (1950) | Dr. Mochammad Amron (2015) | Attended meeting in 2015 |
| 11. | Chinese Taipei (1969) | Dr. Gwo-Hsing Yu (2015) | Attended meeting in 2015 |
| 12. | Korea, Rep. of (1970) | Prof. (Ms.) Kyung Sook Choi (2015) | Contributed in 2015 and 2016 |
| 13. | Australia (1952) | Mr. Stephen Mills (2015) | Neither attended nor contributed |
| 14. | Uzbekistan (1994) | Mr. Ilkhom Juraev (2015) | Contributed in 2016 |
| 15. | Bangladesh (1973) | Representative from BANCID | BANCID has been requested to send nomination for the Group |
| 16. | Iraq (2006) | Representative from IRQCID | IRQCID has been requested to send nomination for the Group |
| 17. | Kazakhstan (2006) | Representative from KAZCID | KAZCID has been requested to send nomination for the Group |
| 18. | Pakistan (1953) | Representative from PANCID | PANCID has been requested to send nomination for the Group |
| 19. | Philippines (1956) | Representative from PNC-ICID | PNC-ICID has been requested to send nomination for the Group |
| 20. | Saudi Arabia (1977) | Representative from SACID | SACID has been requested to send nomination for the Group |
| 21. | Sri Lanka (1950) | Representative from SLNICID | SLNICID has been requested to send nomination for the Group |
| 22. | Tajikistan (1997) | Representative from TAJCID | TAJCID has been requested to send nomination for the Group |

New nomination received from the National Committee

| Sl. No. | Name | Country | Remarks |
|---------|--|---------|---|
| (1) | Mr. Wang Aiguo in place of Mr. Wang Xiaodong | China | Recommended, subject to his presence or else Provisional Member |



**AGENDA FOR 7TH MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

08 November 2016, 11.15-13.15 hours
Chiang Mai, Thailand

Presented by the Chairman

Year of Establishment: 2009

Completion of the Mandate: 2016

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.

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

1. During the 2015 International Executive Council (IEC) meeting, all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and continue their membership. WG may please take note. The Chairman may like to present report on the actions taken on the various decisions/ proposals of the working group since Montpellier Meeting in 2015.

WG-IDSST Agenda Item 2: ICID Action Plan 2030 – Activities for development of the States under socio-economic transformation

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plans, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 towards identifying actions to achieve the Organizational Goals in their area of activities which would in turn form a part of ICID Action Plan for Vision 2030.

3. Since there is no response received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**). The group will discuss the draft activity plan and finalize it during the Chiang Mai meeting (2016) and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. The members may deliberate.

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

4. Mr Bakhrom Gafarov (Tajikistan), Mr. Dmitriy Berlizov (Russia) and Dr. Sandor Szalai (Hungary) presented experiences on irrigation and drainage situation in their countries. During the meeting, it was proposed that ICID Central Office (CO) may provide financial support for e-publication and translation in English of the WG reports. Further, the 66th IEC accepted the recommendation of Permanent Committee on Strategy and Organization (PCSO) to assist the WG in translating some of the documents produced by the Group into English for wider dissemination, once made available to CO.

5. At Montpellier (2015), it was proposed to develop and strengthen the network among the countries and felt that there is a need to accept the following challenges:

- (a) Every year each country prepare/ compile/ shared information about existing situation and problems (irrigation and drainage), how problems were solved, and what problems did not find solutions;
- (b) Publish the information through ICID web site and other available web site such as SIC-ICWC;
- (c) ICID Central Office to provide financial support for e-publication and translation in English;

- (d) To organize regional meeting of all member countries before ICID Congress and/or irrigation forum (once in three years) and
- (e) To organize video conference with WG-IDSST members

6. In May 2016, Central Office requested members to undertake anyone or all activities as listed above and will provide assistance in compilation and bringing out the publication in electronic format. Central Office also suggested members, if they wish to discuss some issues, ICID Central Office will organize WebEx meeting/ Video conferencing so that members can interact online. The Chair/ Vice Chair may like to provide further updates.

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

7. At Montpellier (2015), the group discussed the common issues of agriculture water management such as decrease in irrigated area, states of institutional organizations etc. affecting states with economy in transition. In absence of VPH Prof. Dukhovny, latest status of finalization of report could not be discussed. Members are requested to send their views/ comments on the report, so that report can be finalized and placed on the WG website.

8. In May 2016, Central Office contacted Chair and suggested that ICID will reimburse the cost of some of the documents produced by the Group (translated into English version) and also requested to provide further updates on the preparation of the new document. The Chair/ Vice Chair may like to provide further updates.

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

9. At Montpellier (2015), the group noted that in spite of VPH Peter Kovalenko's repeated requests, there was no response from the National Committees (Russia, Ukraine, Kazakhstan etc.) in updating the survey. During the meeting, it was decided to re-enthuse the member countries once again to prepare/ collect all information regarding the problems in all member countries by end of December 2015.

10. A datasheet for updating the database on irrigated and drained area was circulated to all National Committees (**Annex 2**) to provide information on irrigated and drained area. The WG is requested to review the datasheet and make modifications as necessary and share finalised datasheet among member countries.

11. In May 2016, ICID Central Office requested Chair, Vice Chair and members to collect information regarding irrigation and drainage in the countries of transition. Members are also requested to provide some interesting reports/ documents/ articles related to Irrigation and Drainage in their country for its posting on the WG-webpage. The Chair may apprise the WG.

WG-IDSST Agenda Item 6: Closure report and revised mandate of the Working Group

12. At Montpellier meeting(2015), it was suggested that the closure report will be prepared and presented during the Chiang Mai meeting in 2016 and also prepare a Scoping Document to carry forward the agenda with a new mandate. In May 2016, Central Office requested VPH Kovalenko and VPH Dukhovny to prepare a Scoping Document (in cooperation with the WG members) for setting up a new WG, for its submission to PCTA/ IEC for approval.

13. VPH Peter Kovalenko/ VPH Viktor Dukhovny will table the Scoping Document and Closure report at the Chiang Mai meeting for discussion among WG members and its finalization. The consensus scope would be presented by the Chair of the group to PCTA in its meeting on 11 November 2016 for approval by the IEC. Present membership of the WG is available at **Annex 3** for information.

WG-IDSST Agenda Item 7: Any other business

NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.



ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Peter Kovalenko (Chair), VPH Viktor Dukhovny (Deputy Chair), Dr. Shukhrat Mukhamedjanov (Secretary)

Date:

| Goals | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|----------------------|----------------------------|----------------------------|--------------------------------|----------------------------|----------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Publication | Technical paper | Compilation of papers | First draft | Final draft of Technical paper | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Develop and strengthen the network | Workshops | Organize workshop | | Organize workshop | | |
| | 3.2 Database on irrigation and drainage in the countries of transition | Database | Compile database | First draft of database | Final draft of database | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| Goal 6: Facilitate capacity development | Training Workshop | Training Workshop | Organize Training Workshop | | Organize Training Workshop | | |
| | | | | | | | |

ICID DATASHEET

Country:

| Sl. No. | Particulars | New Information (latest available¹) Million ha |
|----------------|---------------------------------|--|
| 1. | Irrigated Area | |
| 2. | Drained Area | |
| 3. | Arable and Permanent Crop Area | |
| 4. | Area under Sprinkler Irrigation | |
| 5. | Area under Micro-Irrigation | |

¹ Please give year and source of data in full

ATTENDANCE OF MEMBERS AT 2014 AND 2015 MEETINGS

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|--|--|-------------|------|---------------------|------|---------------------|---------------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | VPH Prof. Peter Kovalenko, Chairman (Ukraine) | 2009 | | • | | • | |
| 2. | VPH Prof. Victor A. Dukhovny, Vice Chairman (Uzbekistan) | 2009 | • | | | • | |
| 3. | Dr. Shukhrat Mukhamedjanov, Secretary (Uzbekistan) | 2014 | | | • | • | |
| 4. | Mr. Bernard Vincent (France) | 2009 | | | | | Recommended for discontinuation |
| 5. | Dr. Katsuyuki Shimizu (Japan) | 2013 | • | | | • | |
| 6. | Dr. Rajinder Kumar Gupta - Direct Member (India) | 2014 | | | | • | |
| 7. | Dr. Alexander Solovyev (Russia) | 2014 | • | | # | | |
| 8. | Engr. Peter Yakube Manjuk (Nigeria) | 2014 | • | | • | | |
| 9. | Mr. Baratov Rustam Okilovich (Tajikistan) | 2015 | | | # | | |
| 10. | Secretary General, ICID | | # | | | | |
| Permanent Observers / Observers | | | | | | | |
| (i) | Prof. Daene C. McKinney (IWRA) | | | | | | |
| (ii) | FAO Representative | | • | | | | |
| (iii) | World Bank representative | | | | | | |

Through representation

**AGENDA FOR THE 27TH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**

09 November 2016, 09:00-10:30 hours (Session-I)

09 November 2016, 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Presented by the Chairman

Year of Establishment: 1990

Mandate: The mandate of the Committee is:

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

Members: (1) Dr. Luis Rendón Pimentel (Mexico, 2014), Chairman; (2) Dr. Somkiat Prajamwong, THAICID representative; (3) VP Bong Hoon Lee, KCID representative; (4) Dr. Dominique Rollin, AFEID representative; (5) VPH M.H. Amer, ENCID representative; (6) Mrs. Narges Zohrabi, Iranian representative; (7) Mr. Madhav Belbase, NENCID representative; (8) INCSW representative; and (9) Dr. Vijay K. Labhsetwar, ICID Central Office, representing Secretary General.

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

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

1. The Chairman may like to present report on the actions taken on the various decisions/proposals of the Committees since Montpellier Meeting in 2015.

C-CONGR Agenda Item 2: Overview of 2nd WIF & 67th IEC meeting, 6-12 November 2016 at Chiang Mai, Thailand

2. The Second World Irrigation Forum (WIF2) and 67th International Executive Council (IEC) Meetings are being hosted by Thai National Committee on Irrigation and Drainage (THAICID). The main theme of the Forum was "*Water management in a changing World: Role of Irrigation in Sustainable Food Production*" and three sub-themes were: (1) Key issues of irrigation and drainage in balancing water, food, energy and ecology; (2) Management of climatic extremes with focus on floods and droughts; and (3) Key and smart actions to alleviate hunger and poverty through irrigation and drainage covered in the Forum. Dr. Somkiat Prajamwong, Secretary General of Thai National Committee of ICID (THAICID) may apprise the Committee about the overview of Chiang Mai meetings, organizational matters together with shortcomings emerging, if any, from the Second World Irrigation Forum (WIF2). The Committee will consider the issues raised, lessons learned and make suggestions for better organization of the Third World Irrigation Forum (WIF3) for logistic considerations.

C-CONGR Agenda Item 3: Feedback from the organizers of the past events

C-CONGR Agenda Item 3.1: Feedback from 22nd ICID Congress and 65th IEC, Gwangju, Korea in Sept. 2014

3. VP Bong Hoon Lee, President of the Korean National Committee of ICID (KCID) may brief the Committee on experiences in organizing the 22nd ICID Congress and 65th IEC together with the lessons learned / difficulties faced.

C-CONGR Agenda Item 3.2: Feedback from 26th ERC and 66th IEC, Montpellier, France in October 2015

4. Dr. Dominique Rollin, President of the French National Committee of ICID (AFEID) may brief the Committee on experiences in organizing the 26th ERC and 66th IEC together with the lessons learned / difficulties faced.

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

C-CONGR Agenda Item 4.1: 13th International Drainage Workshop (IDW), 4-7 March 2017, Ahwaz City, Iran

5. The 13th International Drainage Workshop (13th IDW) will be organized by the Iranian National Committee on Irrigation and Drainage (IRNCID) from 4-7 March at Ahwaz City in Iran. The announcement and call for papers

of the 13th IDW have been issued and widely circulated amongst the National Committees (NCs), International Organizations and others. More information on 13th IDW is available at <<http://www.idw13.org/English/>>. Mrs. Narges Zohrabi, representative from IRNCID will further apprise the Committee about the preparations made and detailed planning for the 13th International Drainage Workshop.

C-CONGR Agenda Item 4.2: 23rd ICID Congress and 68th IEC, 8-14 October 2017, Mexico City, Mexico

6. The 23rd International Congress on Irrigation and Drainage and 67th International Executive Council (IEC) meetings will be organized by Mexican National Committee of ICID (MXCID) in cooperation with ICID from 8-14 October 2017 at Mexico City, Mexico. The theme of the Congress is “*Modernization Irrigation and Drainage for a new Green Revolution*”. Representative from Mexican National Committee of ICID (MXCID) may apprise the Committee about the preparations made so far and detailed planning for the 23rd ICID Congress and 67th IEC meetings.

C-CONGR Agenda Item 5: 8th Asian Regional Conference, Kathmandu, Nepal in 2018

7. The 8th Asian Regional Conference (8th AsRC) will be organized by the Nepal National Committee of ICID (NENCID) in March 2018 at Kathmandu, Nepal. Mr. Madhav Belbase, Chairman of the Nepal National Committee of ICID (NENCID) may brief the Committee on the preparations made and detailed planning of the 8th AsRC.

C-CONGR Agenda Item 6: 69th IEC meeting and 5th American Regional Conference, Saskatoon, Canada in 2018

8. VPH Laurie Tollefson, CANSID representative may apprise the Committee about the preparations made so far and detailed planning for the 69th IEC meeting and 5th American Regional Conference.

C-CONGR Agenda Item 7: 9th International Micro Irrigation Conference

9. The 9th International Micro Irrigation Conference has been approved by 66th IEC meeting in Montpellier, France in October 2016. The Indian National Committee on Surface Water (INCSW) will be organizing the 9th International Micro Irrigation Conference at Aurangabad, India in 2019/2020. The INCSW may make a presentation on preparations made so far and planning during the meeting.

C-CONGR Agenda Item 8: Proposals for future ICID Conferences

10. ICID Central Office has received proposals from the following NCs for the future ICID events as:

- (a) **USCID (2019):** The U.S. National Committee on Irrigation and Drainage (USCID) has offered to host the 3rd World Irrigation Forum and 70th IEC in 2019 at Sacramento, California, USA.
- (b) **TANCID (2019):** The Tanzania National Committee for Irrigation and Drainage (TANCID) has offered to host 3rd World Irrigation Forum and 70th IEC in 2019 at Tanzania.
- (c) **IAL, Australia (2020):** The Irrigation Australia Limited (IAL) has offered to host the 24th ICID Congress and 71st International Executive Council (IEC) meeting in May 2020 at Sydney in Australia.

C-CONGR Agenda Item 9: Membership of the Committee

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

12. While the Board of Directors of Mexico (MXCID) has changed, MXCID may nominate a new person to Chair the C-CONGR until 2017.

13. Based on the criteria and the response received from the concerned National Committees, the membership as of date is given above.

C-CONGR Agenda Item 10: Any other business

NOTES FOR CHAIRPERSON:

- 1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai, Thailand after the meeting.
- 2. Chair to participate and present the WG report to PCSO meeting on 10 November 2016.

**AGENDA FOR THE 1ST MEETING OF THE
ICID YOUNG PROFESSIONAL'S E-FORUM (IYPeF)**

09 November 2016, 09:00-10:30 hours (Session-I)
09 November 2016, 11:00-12:30 hours (Session-II)

Year of Establishment: 2014

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

Members: (1) Ms. Kathleen Heuvel (Australia); (2) Ms. Adey N. Mersha (Ethiopia); (3) Mr. David Vanneck (UK); (4) Mr. Mika Turunen (Finland); (5) Mr. Thubelihle A. Thebe (Zimbabwe); (6) Mr. Rafat Nael Al-Intaki (Iraq); (7) Ms. Jakia Akter (Bangladesh); (8) Ms. Jyotsana Chuchra Raheja (India); (9) Mr. Abdullahi Hassan Hussein (Somalia); (10) Engr. Carlo Q Pimentel (Philippines); (11) Directly Participating members; and (12) Er. Avinash C Tyagi, Secretary General, ICID.

Invitees: (i) VP Prof. Dr. Charlotte de Fraiture (The Netherlands), (ii) Ms. Badra Kamaladasa (Sri Lanka); and (iii) VP Dr. Abdelhafid Debbah (Morocco).

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

Background

1. With the long term objectives of encouraging and promoting young professionals in the field of irrigation, drainage, flood management and environment, the 65th International Executive Council (IEC) held at Gwangju in September 2014, approved establishing an ICID-Young Professional's Forum (IYPeF) with open membership. In order to throw open ICID platform to all the young professionals interested in agriculture water management issues, an ICID Young Professionals e-Forum (IYPeF) as a new LinkedIn group (<https://www.linkedin.com/groups/6990321>) was established. The activities of the Forum will be monitored and overseen by a group of volunteer young professionals consisting of one coordinator and five joint coordinators that will act as the link to the ICID network. The Coordinator of the Forum shall report on its activities to IEC through Permanent Committee on Strategy and Organization (PCSO) during the annual Council meetings of ICID.

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

IYPeF Agenda Item 1: Introduction

3. At the 65th International Executive Council (IEC) held at Gwangju in September 2014, the Council approved establishing an ICID-Young Professional's e-Forum (IYPeF) with open membership. Accordingly, Central Office established a LinkedIn Group and invited membership from NCs, partner organizations, etc. Three e-Discussions were held in 2016 (Item 3). Based on these discussions, 10 active members were selected for the scholarship to attend WIF2. Members selected one Coordinator, and 5 Joint Coordinators from the group of active members via on-line polling. The seniority among 5 coordinators elected was based on number of votes received. The maximum term of the coordinator would be for 3 years. The members who got maximum votes was elected as Coordinator. Every year 2 elected members receiving least votes will leave their position for the new incumbents or till the age of 40, whichever is early.

4. Based on the online election process, Secretary General Avinash C. Tyagi will announce the Coordinator and five Joint Coordinators to take the lead of IYPeF as per the new procedure defined above.

IYPeF Agenda Item 2: To review membership

5. IYPeF received very encouraging participation from all the dimensions of the agriculture water management sector, which shows the interest of YPs in ICID activities. The present membership consists of more than 150 members. Members are encouraged to promote the membership to attract new players.

IYPeF Agenda Item 3: e-Discussions

6. Central Office organized three e-Discussions to provide inputs to WIF2 side events, (1) Role of Education in Irrigation and Drainage [15 July - 7 August 2016]; (2) Role of Women in Irrigation and Drainage Sector [28 Jul - 15 Aug 2016]; and (3) Role of New Technologies for Irrigation and Drainage [17 Aug. - 2 Sept. 2016]. VP Prof. Dr. Charlotte de Fraiture (The Netherlands), Ms. Badra Kamaladasa (Sri Lanka), and Ms. Jyotsana Chuchra Raheja (India) acted as mentors for the e-Discussion.

7. Based on the views expressed by participating members on the above topics, three best members were invited to prepare a two page write-up from the expression threads. Accordingly, Ms. Adey N. Mersha (Ethiopia), Ms. Kathleen Heuvel (Australia), and Mr. Mika Turunen (Finland) were selected for the presentation. Selected members will inform the group about their experiences.

8. Members will discuss the mechanism, how they can continue this activity making use of the IYPeF. They would be required to discuss and decide on future topics of the discussions. Next year being a Congress year. Some of the selected topics, should be based on the Congress Questions.

9. Based on the discussions, Coordinator with assistance from Joint Coordinators will develop an Opinion Paper on the discussions. After the review process, the papers will be placed on ICID website and best paper(s) are published in ICID News/ News Update.

IYPeF Agenda Item 4: Webinar

10. Webinar/ Web-based seminars are the new way to reach wider audience through video conferencing. Members should take a lead in organizing Webinars in consultation with Central Office. Members can also invite specialists to deliver talks on important topics of interest to YPs. Members may decide the broad topics and a tentative schedule to organize these Webinar.

IYPeF Agenda Item 5: Any other business



**AGENDA FOR THE 36TH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
11 November 2016, 09.00-17.00 hours
Chiang Mai, Thailand**

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

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

Permanent Observers: (i) World Bank Representative; (ii) FAO Representative; (iii) IWMI Representative; (iv) ISO Representative; (v) WWC Representative; (vi) CPWF Representative; and (vii) AgWA Representative.

Ex-Officio Members: All Strategy Theme Leaders and Chairpersons of all workbodies under PCTA and vice President Hon. Larry D. Stephens (USA), Secretary (PCTA).

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

1. An Action Taken Report (ATR) on the last minutes of the PCTA meeting at Montpellier is given at **Annex 1**.

PCTA Agenda Item 2: Membership of the PCTA and Workbodies

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

3. VPH Mr. Felix B. Reinders (South Africa, 2010) shall be completing his tenure of six years as member and five years as Chairman of PCTA at Chiang Mai meeting of PCTA (ICID By-laws 3.8.1(c)). South African National Committee has been requested to send a suitable replacement in his place on completion of his term according to ICID By-laws 3.8.1 (d).

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

PCTA Agenda Item 3: Functioning of Workbodies

5. PCTA encouraged the workbodies to use the facility of web-conferencing/tele-conferencing/video-conferencing to hold interim meetings and to interact with the members between two IEC meetings, with the objective to help the provisional members of various workbodies, who are unable to physically attend annual meetings, to attend the meetings and contribute to the activities of the working groups and thereby become active members of WGs. Since last Council meetings at Montpellier, the web conferencing facility has been availed consistently in organizing a number of meetings such as, MB, ITAC of WIF2, Consultative Group on Vision 2030, and the Task Forces on Revitalization of ICID Network, the Task Force on Annual Membership Subscription Fomulae etc. Unfortunately, the web conferencing facility has been availed by only one workbody, i.e. WG-ENV. The Chairs of workbodies are urged to avail this facility to conduct their meetings in order to effectively achieve their mandates within their time span.

6. Members are also requested to discuss organizational issues during the physical meetings as well as through web-conferencing and suggest further improvements in the working of its workbodies so as to be able to fulfil the mandates expected from them, including bringing out useful publications, which forms an important part of their mandate.

7. Communication tools such as *ICID News* have now been used by workbodies to publicize the outcomes of their international workshops as an important tool in exchanging experiences on the new developments with the non-technical stakeholders and policy makers. The members may like to suggest further ways and means to use the communication media at the disposal of ICID in order to achieve optimum efficiency.

PCTA Agenda Item 4: Revision / Updation of Multilingual Technical Dictionary (MTD) – Establish a New Workbody on MTD

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

9. While considering the PCTA's recommendation to establish a new workbody under PCTA on MTD, it is hereby proposed that a Task Force be established to review/update the existing MTD, made available as an online version in the existing languages, including translation of the existing MTD into local languages of various NCs of ICID, besides the periodical review/updation of the online version of Dictionary. The TF will consist of chairs/nominees of workbodies dealing with the existing heads/newly identified heads of MTD as well as members co-opted from specialized organizations like WMO, FAO, IWMI, ICOLD, UNESCO-IHE, etc.

10. Accordingly a scoping document for establishment of a Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD) is attached as **Annex 2** for consideration of PCTA.

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

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

12. In pursuance of the Council's decision, the members of CG held a virtual meeting in May 2016 and decided to gather the inputs from National Committees and ICID Work Bodies by circulating two Questionnaires – first one to workbodies under PCTA to identify actions to achieve the Organizational Goals in their area of activities in order to support NCs in meeting their national obligations in contributing towards SDGs, particularly those related to AWM and the second one to gather the support required by National Committees from ICID in meeting their national obligations in their respective countries. Accordingly, the questionnaires developed by CG have been circulated amongst the WBs under PCTA and NCs, with the latter being offered guidance in filling their questionnaires with the help of Vice Presidents in-Charge of them or by CG members.

13. In response, the inputs have been received through filled in Questionnaires have been received from the NCs of Bangladesh, Canada, China, Chinese Taipei, Egypt, India, Japan, Korea, Mexico, Morocco, Sri Lanka, Sudan, Turkey, Ukraine, USA, Zambia and Zimbabwe and PCTA workbodies of EB-JOUR, WG-ENV, WG-BIO-ENERGY, WG-M&R and WG-CLIMATE.

14. Based on the inputs received from PCTA WBs and NCs, a Draft Action Plan 2030 developed by CG will be presented to PCTA in order to have its inputs on the actions identified by WBs under the Committee in meeting the goals of ICID through its NCs in the coming years, prior to its submission to 67th IEC for its consideration and approval.

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

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

16. The IRPID aims at intensifying irrigation and drainage research to achieve global food security and its objectives are to:

- (a) Foster a conducive policy environment for increasing research and development, technology transfer and networking according to the needs of members,
- (b) Enhance research impacts in member countries by fostering innovation through increased coherence, convergence and concerted efforts,
- (c) Identify and promote opportunities to gain relevance, efficiency and effectiveness of NC's within their countries, and
- (d) Help NCs raise the financial resources required to undertake required activities.

17. Since clarity on the establishment of regional nodes and their functional areas with balanced approach on global basis, still remains to be addressed in the notified IRPID scheme, an International Research Workshop on Sustainable Agriculture Water Management was hosted by Kuzestan Water and Power Agency under the auspices of IRNCID on 14-15 August 2016 in Ahwaz City, Iran. The first session of the Management Board of IRAN-IRPID was also held concurrently. The suggestions made at the meeting have been incorporated in the revised scheme and the modified scheme is attached as **Annex 3 of PCSO Agenda, page 43** giving its vision, mission and objectives, besides presenting the organizational structure, coordination mechanism etc. The Chair of PCTA who is also the Chair of the Advisory Committee of the IRPID (AC-IRPID) would present his report and views on the revised IRPID Scheme.

18. PCTA may consider the revised IRPID Scheme and provide its suggestions mainly focusing on the research aspects as to how best IRPID could be used to the advantage of NCs located in various regions vis-à-vis the prevailing irrigation and drainage challenges of that region, prior to its submission to IEC for its consideration and approval.

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

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

PCTA Agenda Item 7.1: Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)

20. The tenure of the WG has been further extended for one year up to 2016 and requested to develop a scoping document for a WG with new mandate. VPH Mr. Franklin E. Dimick, Chair of the WG will present the report of the meeting of WG.

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

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

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

22. Dr. Sylvain Roger Perret, Chair of the WG will present the report of the meeting of WG.

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

23. The tenure of the WG was up to 2015. Dr. Kamran Emami, Chair of the WG will present the closure report of the WG.

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

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

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

25. The tenure of the WG was up to 2015 and hence it was requested to develop a revised mandate for a new WG for four years and circulate the scoping document among NCs for their comments and invite nominations for new WG membership. Dr, Fuqiang Tian, Chair of the WG will present the report of the meeting of the WG.

PCTA Agenda Item 7.7: Synthesis Report by Co-Theme Leaders of ST Basin [VP Dr. Mohamed Abd-El-Moneim Wahba (Egypt) & VP Dr. Charlotte de Fraiture (The Netherlands)]

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

PCTA Agenda Item 8.1: Working Group on Water and Crops (WG-CROP)

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

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

27. Dr. (Mrs.) Samia El-Guindy, Chair of the WG will present the report of the meeting of WG-PQW.

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

28. VPH Mr. Felix B. Reinders, Chair of the WG will present the report of the meeting of the WG_SON-FARM.

PCTA Agenda Item 8.4: Synthesis report of Co-Theme Leaders of ST On-Farm [VP Kadhim Mohsin Ahmed (Iraq) & VP Bong Hoon Lee (Korea)]

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

PCTA Agenda Item 9.1: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)

29. The extended tenure of the WG is up to 2016. Dr. Kamran Emami, Chair of the WG will present the report of the meeting of WG.

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

30. VP Prof. Dr. Abdelhafid Debbbarh, Chair of the WG will present the report of the first meeting of the WG-CDTE.

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

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

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

32. The tenure of the TF was up to 2015. The TF was asked to prepare a closure report, bringing out the outcomes during the last three years and prepare justification for the extension of TF or conversion of TF into a WG on VE. Dr. Kamran Emami, Chair of the TF will present the report of the meeting of TF.

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

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

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

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

PCTA Agenda Item 9.7: Synthesis report of Co-Theme Leaders of ST Knowledge [VP Basuki Hadimoeljono (Indonesia), VP A.B. Pandya (India) & VP Abdelhafid Debarh (Morocco)]

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

PCTA Agenda Item 10.1: Working Group on Sustainable Drainage Management (WG-SDG)

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

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

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

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

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

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

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

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

39. Mr. Françoise Brelle, Chair of the WG will present the report of the meeting of the WG-IDM.

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

PCTA Agenda Item 11: Newly Proposed Workbodies

PCTA Agenda Item 11.1: Working Group on Groundwater Irrigation

40. PCTA accepted in principle the proposal of creation of a new workbody on groundwater as an outcome of the 26th European Regional Conference and suggested to prepare a scoping document for a WG on Groundwater Irrigation. VPH Mr. Françoise Brelle, AFEID was requested to prepare the scoping document of the new WG on Ground Water Irrigation. However, he has expressed his inability as he will be unable to participate in the activities of ICID after his retirement. PCTA may deliberate on the way forward.

PCTA Agenda Item 12: Report on the outcome of WIF2

41. THAICID representative will present a report on the outcome of WIF2.

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

42. PH Prof. Dr. Bart Schultz, Chair of the Sub-Committee will present the report of the meeting of the SC-E-THEMES.

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

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

PCTA Agenda Item 15: Any other business



**ACTION TAKEN REPORT ON THE 35th MEETING OF PCTA
15 October 2015, Montpellier, France**

| Item | Recommendation | Decision of 66 th IEC | Action Taken |
|--|---|---|--|
| 3. Functioning of Workbodies | | | |
| | Recommended that the WGs that organize an international workshop should share the knowledge exchange with those who are unable to attend IEC physically by compulsorily contributing an article in ICID News communicating the brief on the topic of the workshop and its outcome for the non-specialists as well as policy makers. | Approved the recommendation by acceptance of PCTA report. | Some of the WGs organizing the international workshops have published their outcomes in ICID News in the form of articles on the workshop topics. |
| 4. Review of the activities of Workbodies | | | |
| | Agreed to extend the term of the WG-DROUGHT by one year till 2016 and requested to develop a scoping document for a WG with new mandate. | -do- | Scoping Document for a WG with new mandate is expected to be presented at the meeting. |
| | The extended tenure of WG-BIO-ENERGY was up to 2015 and recommended to develop a revised mandate for a new WG for four years and circulate scoping document to the National Committees for their comments and inviting nominations for the new WG. | -do- | Finalised Scoping Document circulated to NCs for their views/comments, if any and also to nominate suitable experts as Members of the new WG. Nominations from few Ncs have already been received. |
| 10. Newly Proposed Workbodies | | | |
| | Recommended the setting up of four new workbodies, viz. (i) WG on Irrigation Development and Management (WG-IDM), (ii) WG on Capacity Development, Training and Education (WG-CDTE), (iii) WG on Water Saving in Irrigated Areas (WG-WATS) and (iv) TF to Guide ICID Inputs to 8 th World Water Forum (TF-WWF8). | Accepted vide Resolution IEC-3/66 (Sr. No.6). | Establishment of new workbodies have been notified and these WGs will be holding their first meetings. |
| | Recommended the re-constitution of (i) WG on Environment (WG-ENV), (ii) WG on Climate Change and Agricultural Water Management (WG-CLIMATE) (iii) WG on Sustainable On-Farm Irrigation System Development (WG-SON-ONFARM) with revised mandates. | Accepted vide Resolution IEC-3/66 (Sr. No.7). | Notified the establishment of the reconstituted workbodies. |
| 10. Report on the outcome of 25th ERC | | | |
| | Accepted in principle the proposal to create an ICID workbody on groundwater and suggested AFEID to prepare a Scoping Document for a WG on Groundwater for consideration of IEC. | Approved the recommendation by acceptance of PCTA report. | Scoping Document is being prepared by the French NC and is expected to be presented during the IEC. |
| 12. Report of the Sub-Committee to deliberate upon the themes, topics and work plan of future ICID Events | | | |
| | Requested Central Office to disseminate the approved standard format for submitting proposal for organizing workshops during IEC meetings. | Approved the recommendation by acceptance of PCTA report. | The standard format has been circulated among the workbodies and included in the Handbook of Procedures. |
| 13. Setting up of Technical Support Unit (TSU) in ICID | | | |
| | Recommended setting up of a Core Group to prioritize and finalize the work program of TSU and review and monitor progress of activities of TSU | Accepted vide Resolution IEC-3/66 (Sr. No.2). | Notified the setting up of TSU vide Notification No.1 of 2016 dated 04 January 2016 |



**TASK FORCE FOR UPDATING AND MAINTENANCE OF
MULTILINGUAL TECHNICAL DICTIONARY (TF-MTD)**

DRAFT SCOPING DOCUMENT

(Prepared by ICID Central Office)

1. Introduction

- 1.1 The MTD consists of all technical terms related to irrigation, drainage, flood management, environment, river training and allied disciplines is a flagship publication of ICID widely consulted by agriculture water management community. The first volume of MTD was published in English and French languages in 1967. In 1996, MTD was thoroughly revised and a new hardcopy version of this second edition was published. With the change of time and technology the 3rd edition of MTD (English-French) was brought out on CD-ROM in the year 2000, which was slightly modified and brought out as 4th edition in 2002.
- 1.2 Soon after the release of first edition in 1967, NCs felt the need to translate this useful dictionary into their own local languages also for the benefit of their national professionals working in that language. This was primarily the objective of naming the dictionary as 'multilingual'. Thus, with the commendable efforts of the NCs, MTD has been translated so far in 14 languages in the past, besides English and French. These national versions of the MTD were initially translated based on the first edition published in 1967. Some of the National Committees later also brought out their next translated editions in local languages based on the revisions.
- 1.3 For the latest 5th edition efforts were made in 2010 to really make the dictionary multilingual and NCs were requested to send their available translations in local languages in digital format. The 5th edition consists of 9370 technical terms and 25 chapters. In this edition, in addition to English-French, the technical terms related to ICID activities made available by respective NCs in three more languages i.e. Chinese, Japanese and Russian were also included. As such, for these three additional languages term-to-term translation was not available due to various reasons.

2. History of the Working Group

2.1 Establishment and mandates

- 2.1.1 The Work Group for revision and reprinting of the basic MTD 1967 edition (1985) Renamed as Working Group on Dictionary (1985) and Working Group on Coordination of Dictionaries (WG-CD) (1998-2009)
- 2.1.2 The WG was mandated to encourage preparation and publication of translations of the English/French revised edition of the Multilingual Technical Dictionary (MTD) on Irrigation and Drainage into additional languages; To produce copies of the MTD in other formats, especially electronic, so as to make it more valuable to users; and to produce periodic updates on all sections of the MTD.
- 2.1.3 Mr. Bruno Molle (France) Chaired the WG-CD with its membership consists of: Dr. E. Kruse (USA), Dr. P. Buri (Italy), VPH Prof. Cai Lingen (China), and Mr. K.N. Sharma (ICID CO). Observers/ Permanent Observers includes: FAO, WMO, IWMI, VPH Dr. Hector Malano (Australia), Chair PCTA, and Chair C-PR&P.

2.2 Activities and outcomes

- 2.2.1 The Group held its last meeting at the 60th IEC meeting, Delhi, 2009 and brought out the 5th edition of MTD on DVD that consists of 9370 technical terms categorized in 25 chapters. In this edition, CO also collected available digital versions of the translations from China, Japan, and Russia which were included in the 5th edition brought out on the DVD.

3. Proposal for constitution of Task Force

3.1 Objective

3.1.1 The objective of the new Task Force is to redefine the scope of terms to be covered in the Multi-Lingual Irrigation and Drainage Dictionary, update them, and make the revised version available in languages other than the official languages of ICID (English and French), make it universally accessible and establish a mechanism to regularly update it.

3.2 Updated Mandates

3.2.1 In order to meet the above objectives, the mandate for the TF are proposed as follows:

- (a) To identify priority chapters and terms frequently referred/ consulted by AWM professionals
- (b) To consult/invite professional organizations to collaborate in enriching chapters/terms
- (c) To identify experts/work bodies to review terms/chapters
- (d) To encourage NCs in preparation and building of additional translations along with English/French
- (e) To identify interesting pictures/diagrams suitable to illustrate various terms, where required, and
- (f) To make it accessible on web/ mobile

4. Work Plan

4.1 Scope

As decided at the 65th IEC meeting, Gwangju, 2014, a web version of the MTD based on the 5th edition was launched. The online MTD will serve the ICID community and all irrigation stakeholders by providing this rich open resource knowledge base. The objective of the Task Force is proposed to be carried out in following phases:

- Phase I: Providing available information in online version in all possible languages, available with NCs
- Phase II: Revising the structure of the Dictionary
- Phase III: Bringing compatibility between terms in different languages
- Phase IV: Regular updating the terms/ providing illustrative pictures/ and links

Phase I: Simply exporting available information to online version

In the first stage, converted and exported the existing DVD version of the MTD into web format and launched for online viewing through URL http://www.icid.org/members_only/icidmtd/display.php?lang=en.

ICID members registered on www.icid.org are provided with special privileges to access MTD on Chapter basis with multiple copy option(s).

Phase II: Revising the structure of the MTD

The 5th edition of MTD consists of more than 9000 terms. With the developments in web technologies, many specialized international organizations have brought out dictionaries of terms that are relevant to their areas of expertise. In that respect some of the chapters/terms that were earlier included in ICID MTD are not relevant to the present situation as they do not fall within the expertise of ICID network of experts. It is therefore important that ICID concentrates and keeps its focus on irrigation and drainage terms. The existing 25 chapters have been grouped in three categories as listed below.

ICID should concentrate its efforts on enriching the irrigation and drainage related terms in Category 1. Chapters listed in 'Category 1' are of top importance and fall directly in ICID domain. Chapters in 'Category 2', which is closely related to irrigation and drainage but essentially belong to the domain of expertise of other professional organizations. Such organizations are perhaps in better position to provide authentic definitions to these terms. Category 3 is all together outside our expertise.

Phase III: Bringing compatibility between terms in different languages

To enhance the translation capabilities, ICID requested Chinese, Korean, Egyptian, Indonesian, Indian, Japanese, and Russian National Committees to help in bringing compatibility as per the base languages (English-French) based on the 5th edition to really serve as multilingual dictionary. To meet the target some of the NCs have taken up this task on priority.

NCs of China, Korea, Egypt, Indonesia, India, Japan, and Russia should be requested to nominate their experts to give feedback and contribute to the translation task.

Priority wise listing of MTD Chapters

| Category 1 | Category 2 | Category 3 |
|---|--|---|
| (5) Head works; (WG-IDM) | (2) Hydrology; WMO, UNESCO, IAHS | (1) General (statistics, units etc.); |
| (6) Design of irrigation canals; (WG-IDM) | (3) River hydraulics; | (4) Reclamation; |
| (7) Canal structures; (WG-IDM) | (10) Pumping stations (lifting devices); | (14) Construction materials; |
| (8) Project water management; (WG-IDM) | (18) Soil and water conservation; | (15) Construction techniques and equipment; |
| (9) Wells and drilling; | (22) Systems analysis; | (19) Environmental impacts; |
| (11) Irrigation systems and distribution of irrigation waters; (WG-IOA) | (24) Project planning; | (21) Computer technology; |
| (12) On-farm water management; (WG-SON-FARM) | | (23) Hydraulic research; |
| (13) Design and construction of drainage systems; (WG-SDG) | | (25) Climate change |
| (16) Automation in irrigation, drainage and flood control systems; (WG-M&R) | | |
| (17) Operation, maintenance and management; (WG-IDM) | | |
| (20) Flood control; (WG-CAFM) | | |

Phase IV: Regular updating the terms/ providing illustrative pictures/ and links

ICID workbodies are the knowledge base consisting of world renowned experts nominated by various National Committees. Keeping in view the vast knowledge and experience, WGs have to undertake the responsibility to review the MTD, as indicated in the table above to enrich the knowledge base as per their areas of specialization.

The WGs will be required to–

- Identify new terms required to be included, if any;
- Review the existing chapters/ terms/ definitions;
- Update the existing terms in light of the latest knowledge;
- Share pictures/ drawing/ illustrations to enhance the understanding of the terms through visual impact
- Sharing related video links
- Adding interesting links related to the subject (term)



**AGENDA FOR THE 9TH MEETING OF THE
WORKING GROUP ON WATER MANAGEMENT IN WATER
STRESSED REGIONS (WG-DROUGHT)**

10 November 2016: 09:00-10:30 hours (Session-I)

10 November 2016: 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2008

Completion of the Mandate: 2016

Mandate:

- (i) Drought Management Strategies: To capture field experiences of the implementation of drought risk management strategies.
- (ii) Coping with water scarcity: (a) 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) Design, operation and maintenance of sand dams – Under-ground water reservoirs; and
- (iii) Rainfall management for sustainable agriculture: Innovation and implementation of smart rainfall management technologies.

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

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

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-DROUGHT Agenda Item 2: ICID Action Plan 2030: Activities on Drought

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in the prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response was received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-DROUGHT Agenda Item 3: Presentations by Theme Leaders and other members

4. Presentations made during the WG meeting in Montpellier (France) by Prof. Chang-Chi Cheng (Chinese Taipei), and Mr. Maurice Roos (USA) have been uploaded on the webpage of the working group which can be accessed at http://www.icid.org/wg_drought.html. Members are encouraged to share their knowledge and experience related to mandate of the WG through presentations during the WG meeting

WG-DROUGHT Agenda Item 4: Publications of the Working Group

WG-DROUGHT Agenda Item 4.1: Technical Report of the WG-DROUGHT

5. At the Montpellier meeting, the WG agreed to set up a small working group consisting of the three team leaders and the Chairman of the Group to complete the technical report of the Group. The Chairman of the WG was requested to finalise the technical report so that it can be circulated amongst the members of the WG for their

comments/suggestions, if any. In response, the Chairman of the WG has informed that he would submit the technical report prior to the next meeting of the Working Group. WG Chair will apprise members on the latest status of finalisation of the report.

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

WG-DROUGHT Agenda Item 4.2: Publication on Design Guidelines for Flood Based Farming Systems

7. At the Gwangju (2014) meeting, WG had endorsed to bring out publication in 2015 on 'Design Guidelines for Flood Based Farming Systems' by Dr. Abraham Mehrari Haile (The Netherlands) under the auspices of the WG for which funding had already been arranged. Since Dr. Haile was not present in the WG meeting at Montpellier in 2015, ICID Central Office requested him to send the the finalised publication so that the same can be shared with the members of the WG for their comments/suggestions, if any. Dr Haile / WG Chair may apprise members on the progress. Dr. Haile may make presentation on publication for the benefit of the members.

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

8. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various experts international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-DROUGHT Agenda Item 6: Closure report and Scoping Document for reconstitution of the WG

10. PCTA in its meeting at Montpellier extended the term of the WG by one year till 2016 and requested WG to develop a scoping document for a WG with new mandate. As WG will be completing its extended mandate in 2016, the WG Chair was requested to prepare closure report of the WG giving brief description of how its intended objectives and mandate have been achieved, including conclusion & recommendations and way forward. In this connection broad outline of contents of the closure report was also shared by ICID Central Office. In response, WG Chair sent the Closure report of the WG to the ICID CO which have been circulated to the members of the group for their comments/suggestions, if any. WG chair will present and discuss closure report of the WG during meeting. Finalised closure report would be shared with ICID CO for its record and uploading on WG web site.

11. As suggested by PCTA in its meeting at Montpellier, WG chair developed a scoping document for a new WG with revised mandate (**Annex 2**). Draft scoping document of the WG has been circulated to all members of the WG for their comments/suggestion, if any. The WG Members may discuss and finalise draft scoping document in the meeting of the WG and recommend to PCTA/IEC for approval.

WG-DROUGHT Agenda Item 7: Dissemination of activities of WG – Website of the Group

12. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments in the various aspect of drought and drought monitoring. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC

WG-DROUGHT Agenda Item 8: Review of membership of the working group

13. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, it was decided by the Management Board (MB) that

the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/web conference.

14. The Chinese National Committee on Irrigation and Drainage (CNCID) has nominated Ms. Jianxin Mu (China) for the membership of the group. The existing membership of the WG and new nomination is given at **Annex 3** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-DROUGHT Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Franklin E. Dimick (USA), Mr. Mohammad Sadegh Jafari (Iran), Vice-Chairman and Mr. V.C. Ballard (Australia), Secretary

Date:

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|--|-----------------------------|---|--------------------------------------|--|--|-------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | WG Activity 1.1 | | | | | | |
| | WG Activity 1.2 | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Develop Guidelines on Drought Risk Management Strategies | Guidelines | | Finalisation of the draft guidelines | Release the finalised guidelines | | Updation of guidelines |
| | 2.2 Technical Report of the WG | Report | Publication of the first technical report | | Preparation of second technical report of the WG | Publication of second technical report | |
| | 2.3 Design guidelines for flood based farming system | | Finalisation of the guidelines | Publication of the guidelines | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | Organise internal/International Workshop | Proceedings of the workshop | Invite members of the WG and IOs like WMO, IDMP etc. (discussion in the WG meeting) | Workshop | Workshop | Workshop | |
| | WG Activity 3.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|---|---------------------------|--|--|-------------------------------|-------------------------------|-------------------------------|
| | | | | | | | |
| | WG Activity 3.3 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 4.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 4.3 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | WG Activity 5.2 | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | To launch e- Discussion on Drought Risk Management Strategies | Outcome | e-Discussion on Drought Risk Management (discussion in the WG meeting) | To invite member countries/ IOs for e-Discussion on Drought Risk Management Strategies | Organise a Side Event in WIF3 | | |
| | WG Activity 6.2 | | | | | | |
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**WORKING GROUP ON ADAPTIVE MANAGEMENT FOR
PERMANENT WATER SCARCITY (WG-AMPWS)**

DRAFT SCOPING DOCUMENT

1. Introduction

- 1.1 Historically, the use of water for agricultural purposes was generally recognized as a priority. However, as the population and demographics of an area has changed over time, so has the priority for the use of water? In many areas, use of water for agricultural purposes has become of secondary importance to other uses. Demand for Municipal and Industrial water for growing population centers and the demand for clean drinking water in rural areas have taken precedence over agricultural uses. The growth of the environmental movement throughout the world to protect fish and wildlife has placed an additional demand on the limited supplies of water. In many areas of the world this environmental demand has been given priority over the use of water for agricultural purposes. This change of use priority is expected to continue in the future.
- 1.2 The effects of climate change in many areas of the world has also created a permanent shortage of water for agricultural purposes as dwindling water supplies are used first to supply adequate drinking water supplies to the growing population. Climate change is also changing the timing of when water is available. Areas that depended on melting snow in warmer months are now getting rainfall instead of snow. The reverse is also true. Areas that historically depended on rainfall are now getting snow.
- 1.3 These changes in the prioritization of the limited water resource are causing agricultural water users to make adaptive management changes to the way they approach the collection, diversion and use of the limited water supply available to them. These adaptive management changes are crucial in efforts to assure sustainable food production.

2. Objectives

- 2.1 Relevance of the Working Group
 - 2.1.1 The relevance of the WG can be specified as follows:
 - (a) The topic of Adaptive Management for Permanent Water Scarcity is relevant to the vision and mission of ICID and of interest for its members in all countries;
 - (b) The WG is expected to contribute to effective implementation of the Strategy Theme Basin and to other strategy themes for that matter;
 - (c) It may be expected that in the future the need for adaptive management will continue to increase.
- 2.2 Relevance of the Working Group to the scope of the Thematic Area
 - 2.2.1 For the relevance of the WG to the scope of the Thematic Area the same argumentation is applicable as shown under the relevance. Most of the activities in irrigation will be related to the manner in which water is managed and how well management schemes adapt to the changes in water priorities. This concerns the technical, institutional and environmental aspects.
- 2.3 *Existing gap that the Working Group is expected to fill*
 - 2.3.1 Other ICID WGs or Task Forces (TF) that have a related scope of work are: WG-SDTA, WG-CAFM, WG-CLIMATE, WG-M&R, WG-SON-FARM and the new WG-IOA
 - 2.3.2 While WG-IOA is proposed to study the management of irrigation systems, it will focus on the administrative aspects of water management. The WG-AMFWS will focus on the water supply changes that these management entities need to address. Therefore, the two Working Groups will be able to work closely together and complement each other.
 - 2.3.3 The new WG has taken good note of the activities of these Workbodies when preparing this Scoping Document.

3. State of knowledge on the topic

3.1 Other International Organizations that are working on the subject

3.1.1 There are several other International Organizations that have programs and activities on this topic. This especially concerns the:

- (a) Food and Agriculture Organization of the United Nations (FAO);
- (b) International Water Management Institute (IWMI)
- (c) International Center for Agriculture Research in Dry Areas (ICARDA);
- (d) International Fund for Agricultural Development (IFAD);
- (e) International Commission on Large Dams (ICOLD);
- (f) World Bank (WB);
- (g) World Water Council (WWC);

3.2 Mandate of the Working Group

3.2.1 Mandate of the Working Group is based on the specific niche that this WG can fill in this area and can be formulated as follows:

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

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

3.3.1 International Organizations can contribute to the activities of the WG by nominating Permanent Observers (PO). On the other hand presentations of the work and achievements of the WG can be presented at the occasion of events organized by International Organizations.

4. Work Plan

4.1 Scope

4.1.1 The WG is expected to investigate, analyze, and disseminate information on adaptive management processes and to formulate recommendations with respect to:

- (a) planning and preparation for reduced water supplies due to changing priorities for the use of a finite water supply;
- (b) commonality in processes used by various entities at three separate levels of governance;
 - National
 - area or basin
 - local
- (c) developing and recommending adaptive management strategies that could be used in a general setting;

4.1.2 A proposal for the three year rolling plan is shown in **Appendix A**.

4.2 Target audience

4.2.1 The target audience for this working group will be managers of irrigation schemes, researchers, consultants, manufacturers, government officials, farmer's representatives and staff of International Organizations working on the topic.

4.3 *Outputs*

4.3.1 The following outputs can be expected from this WG:

- (a) although it is an indirect output sharing of knowledge and experience by representatives of NCs, which will also enable them to disseminate this knowledge within their country;
- (b) the WG is expected to organize a workshop at occasion of an international ICID meeting;
- (c) publish an overview paper on adaptive management of water in permanent shortage areas with recommendations for implementation.

4.4 Timelines

4.4.1 It is recommended that the initial term of this WG will be set at 5 years. The timeline would have to be based on the scope of work and the expected output. Details of the timeline would have to be formulated and refined during the inaugural meeting of the WG.

4.5 Collaborators and dissemination strategy

4.5.1 The WG would have to base its activities on an open attitude with a clear scope for invitation of outsiders that are interested in the topic on a Permanent Observer (PO), or ad hoc basis.

4.5.2 The dissemination strategy would have to be based of reaching those who can apply the findings and recommendations of the WG in their research and especially in policy development, decision making and implementation in practice.



THREE YEAR ROLLING PLAN

| Item of Mandate | 2016 | 2017 | | | | 2018 | | | | 2019 | | | | Actor(s) |
|---|------|------|--|--|--|------|--|--|--|------|--|--|--|---------------------------------|
| Scoping document to PCTA | | | | | | | | | | | | | | Convenor |
| Comments on Scoping document from PCTA and informal meeting | | | | | | | | | | | | | | Participants informal meeting |
| Finalizing Scoping Document and detailing of Workplan | | | | | | | | | | | | | | Convenor |
| Invitation to NC for nominations and information | | | | | | | | | | | | | | Central Office |
| Submission of nominations and information | | | | | | | | | | | | | | National Committees |
| 1st Meeting Mexico City | | | | | | | | | | | | | | Members and Permanent Observers |
| Exchange of information, knowledge, experience, networking | | | | | | | | | | | | | | Members and Permanent Observers |
| Solicit information and case histories of adaptive management processes | | | | | | | | | | | | | | Members and Permanent Observers |
| 2nd Meeting Saskatoon Canada | | | | | | | | | | | | | | Members and Permanent Observers |
| Preparation and presentation of reports and/or case studies | | | | | | | | | | | | | | Members and Permanent Observers |
| Organize international workshop | | | | | | | | | | | | | | Some Members |
| 3rd Meeting including Workshop | | | | | | | | | | | | | | Members and Permanent Observers |
| | | | | | | | | | | | | | | |
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(A) Membership of Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|---------|--|-------------|------|---------------------|----------------|---------------------|---|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | VPH Franklin E. Dimick, Chairman, 2009 (USA) | 2008 | • | | • | | |
| 2. | Mr. Mohammad Sadegh Jafari, Vice-Chairman, 2009 (Iran) | 2008 | • | | - | | |
| 3. | Mr. V.C. Ballard (Australia) | 2012 | • | | - | | |
| 4. | Vice President Hon. Dr. Ragab Ragab (UK) | 2008 | • | | - | | |
| 5. | Dr. Graziano Ghinassi (Italy) | 2008 | - | | • | | Continue as member |
| 6. | Prof. Chang-Chi Cheng (Chinese Taipei) | 2008 | • | | • | | |
| 7. | Dr. Takanori Nagano (Japan) | 2011 | • | | • | | |
| 8. | Dr. Gurhan Demir (Turkey) | 2012 | - | | - | | No contribution in 2014 and 2015. Recommended for discontinuation |
| 9. | Dr. Hakan Aksu (Turkey) as Young Professional | 2012 | - | | # | | Contribution in 2015 |
| 10. | Mr. Sudhakar (Direct Member), JISL | 2015 | | | | | Accepted as Provisional Member |
| 11. | Secretary General, ICID | | | | # ¹ | | |

(B) New nomination received from the National Committee

| Sl. No | Name | Country | Remarks |
|--------|----------------|---------|---|
| 01. | Ms. Jianxin Mu | China | Recommended, subject to her presence or else provisional member |



¹ # Through representation

**AGENDA FOR THE 6TH TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

10 November 2016: 09:00-10:30 hours (Session-I)

10 November 2016: 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

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.

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

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

1. During the last International Executive Council (IEC) meeting (2015), all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decisions made by the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. The WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Montpellier in 2015.

WG-SDTA Agenda Item 2: ICID Action Plan 2030: Activities on Sustainable Development of Tidal Areas

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response was received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the Core Group for incorporation in the ICID Action Plan for Vision 2030. WG Chair may provide further updates at the meeting.

WG-SDTA Agenda Item 3: Report on International Short Course on SDTA, 1-6 August 2016 at Taiwan

4. The International Short Course on *“Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas”* was organized by ICID’s Working Group on Sustainable Development of Tidal Areas (WG-SDTA) during 01-06 August 2016 at National Cheng Kung University (NCKU) at Tainan City in Taiwan. The course was attended by resource managers, practitioners, researchers, and others who are familiar with the relevant issues in tidal areas and wish to understand and apply the experiences to cope with climate change and man induced changes in land use. The course combined lectures, exercises and study tours to be effective.

5. The lectures were delivered by experts such as Prof. Hong-Yuan Lee (Former Minister, Taiwan), Dr. Sanghyun Park (former Chair of WG-SDTA, Korea), Prof. Bart Schultz and Mr. Henk Ritzema (the Netherlands), Dr. Ruey-Chi Kao (Chairman of WG) and Dr. Hsiao-Wen Wang (member of WG, Taiwan), Dr. John Bourgeois (USA) and Dr. Shinsuke Ota (Japan) covering the general areas of (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 (5) Stakeholders participation (6) Development of water industry. The lectures were supplemented with group exercises and their presentations. The course was successfully attended by 20 participants from 14 countries which covered Asia, Africa and North America.

6. The members of the WG-SDTA i.e. Chairman Prof. Ruey-Chy Kao (Taiwan), Vice Chairman Dr. Henk P. Ritzema (the Netherlands), Dr. Jang, Jeongryeol (Korea), Dr. Wang, Hsiao-Wen (Taiwan), Dr. Wignyosukarto, Budi S. (Indonesia) and Dr. Vijay K.Labhsetwar (India, representing Secretary General, ICID) also had interim meeting of the WG and discussed issues emerged from its Montpellier meeting in 2015 and preparation of Scoping Document for continuing the activities of the WG for another six years. The Chairman may apprise the WG members.

WG-SDTA Agenda Item 4: E-Discussion on ‘Sustainable Development of Tidal Areas’ launched during the Short Course on SDTA at Taiwan

7. While the short course, as above, was organized successfully, in order to promote the young professionals, the idea of launching e-Discussion on “*Sustainable Development of Tidal Areas*” cropped up during the interim meeting of SDTA at Taiwan. A Background Note describing the e-Discussion, facilitated at ICID’s YPeF (Young Professionals e-Forum), is available at **Annex 2** (http://www.icid.org/ypef_dis_sdta.pdf). The e-Discussion took place from 12-31 August 2016 providing a platform for young professionals to come together and share their knowledge and experiences on SDTA. The Chairman may apprise the members.

WG-SDTA Agenda Item 5: Publications of the Working Group: A Special Issue of ICID Journal on SDTA in 2016

8. During the Montpellier (2015), the WG decided to publish a Special Issue of ICID Journal on SDTA in 2016. The theme of the Special issue is “*Sustainable Development of Tidal Areas: Climate change and environmental impacts*”. The Special Issue will contain select papers from the past International/Internal workshops of the WG. The Special Issue will have about 10-12 papers of 10 pages each. The Review Committee i.e. Prof. Henk P. Ritzema (The Netherlands) and Prof. Hsiao-Weng Wang (Chinese Taipei) have been reviewing the papers for the Special Issue of the ICID Journal on SDTA. The review process will be similar to that used by the Editorial Board of the Journal on Irrigation and Drainage. The Chair may apprise the members during the meeting.

WG-SDTA Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

9. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various experts from international organizations (Refer PCTA Agenda Item 4, page 82).

10. At the Montpellier meeting (2015), Chair of the WG discussed the issue and Prof. Hajime Tanji (Japan), Secretary of the WG volunteered to take up the task. The issue was brought to the fore at the interim meeting of the WG at Taiwan as well. Prof. Tanji/ Chair may apprise the members.

WG-SDTA Agenda Item 7: Summary of activities, Closure report and Scoping Document for a new WG

11. The summary report of the activities of the WG (2011-2016) has been prepared and circulated to members. Since the WG is completing its mandate in 2016, the Chair will present a closure report (**Annex 3**) giving brief description of how its intended objectives and mandate have been achieved, including conclusion, recommendations and way forward.

12. Further, in order to continue the WG with the new mandate, the Chair would be presenting the Scoping Document (SD) to WG for deliberation and onward submission to PCTA/IEC for approval.

WG-SDTA Agenda Item 8: Dissemination of activities of WG - Website of the Group

13. Members have been requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments in the field of SDTA. Members have also been requested to provide information, papers, presentation made on topics related to scope of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updating of WG

website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between two face to face meeting during IEC. The members may discuss and Chair may apprise the members during the meeting.

WG-SDTA Agenda Item 9: Review of membership of the working group

14. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, it was decided by the Management Board (MB) that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

15. The Sri Lankan National Committee of ICID (SLNICID) and Indian National Committee on Surface Water (INCSW) have nominated Eng. L.S. Sooriyabandara (Sri Lanka) and Mr. Anuj Kumar (India), respectively, for the membership of the group. The existing membership of the WG and new nominations are given at **Annex 4** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-SDTA Agenda Item 10: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Prof. Dr. Ruey-Chy Kao, Dr. Henk P. Ritzema (Vice-Chairman) and Dr. Hajime Tanji (Secretary)

Dated:

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|---|---------------------------|--|---|-------------------------------|-------------------------------|-------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | Activity 1.1 | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | Activity 2.1 | | | | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organise internal / International Workshop | Workshop Proceedings | Workshop | | Workshop | | Workshop |
| | 3.2 Special Issue of ICID Journal on SDTA | Special Issue of IRD | Announcement of special issue, inviting authors etc. | Setup Review Committee for selected papers based on the workshops | Submission of final drafts | Publish Special Issue of IRD | |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | | | | | |

| | | Outcomes/ Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|--|------------------------------|--|---|-----------------------------------|---|-----------------------------------|
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | 6.1 Short Course/ Training Workshop on Sustainable Development of Tidal Areas | Training Workshop | Scope, theme and announcement | Short Course/ Training Workshop on SDTA | | Short Course/ Training Workshop on SDTA | |
| | | | | | | | |
| | 6.2 To launch e-Discussion on Sustainable Development | E-Discussion | e-Discussion on Sustainable Development of Tidal Areas | | e-Discussion on SDTA | | e-Discussion on SDTA |
| | | | | | | | |

SUSTAINABLE DEVELOPMENT OF TIDAL AREAS
ICID Young Professionals e-Forum (IYPeF)
<https://www.linkedin.com/groups/6990321>

Background Note for e-Discussion
12-31 August 2016

Introduction

The Working Group on Sustainable Development of Tidal Areas (WG-SDTA) promotes collaboration between professionals and practitioners to improve the planning, design and management of irrigation, drainage and flood management schemes and projects in tidal areas. It attempts to raise awareness of the increasing risk of tidal areas due to global climate change, man induced changes inland use and overexploitation of natural resources to stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas. The Group has been advocating international dialogues to improve the resilience of tidal areas. The mandate of the Working Group will expire in 2016 and the Working Group is looking for advice and suggestions to re-formulate its mandate for the next 6 years.

Objectives

This discussion on sustainable development of tidal areas has the following objectives:

1. Bring young professionals in contact with experts in the field;
2. Discuss how young professionals can be integrated into the working group in a more formalized manner;
3. Discuss the challenges faced by the working group;
4. Bring together Young Professionals to discuss challenges to increase the resilience and adaptation strategies to climate change and man induced changes in land use for sustainable management of tidal areas;
5. To provide a platform to discuss and formulate these challenges;
6. To prepare a discussion paper on this subject for the ICID Working Group on Sustainable Development Tidal Areas.

Outcome

It is intended that the discussion in IYPeF will result in a discussion paper for the Working Group on SDTA to address the following questions:

1. What are the challenges to increase the resilience and adaptation strategies to climate change and man induced changes in land use for sustainable management of tidal areas?
2. What are the underlying causes?
3. What are the possible solutions to increase the resilience in tidal areas?
4. What can the Working Group contribute to develop adaptation strategies for a more sustainable development of tidal areas?

Role of the mentors

Members of the Working Group and professionals will follow the discussion on the forum and provide their inputs and advice to encourage the discussions and whenever they feel necessary thereby steering the group to discuss possible actions to the identified questions.



SUMMARY OF ACTIVITIES OF WG-SDTA (2011-2015)

2011

- (a) During Tehran (2011) meeting, the WG-SDTA was brought out a publication titled “Towards Sustainable development of Tidal Areas: Some Principles and Experiences” to improve the planning, design and management of irrigation and drainage projects in tidal areas which was released during 21st ICID Congress in Tehran, Iran in 2011.
- (b) The Japanese National Committee of ICID (JNC-ICID) was also brought out a new publication on ‘Japanese Proceedings on Sustainable Development of Tidal Areas’, disseminated among NCs and members of the WG.
- (c) An Internal Workshop of the Group titled “Sustainable Water / Environment Management in Tidal Areas” with five sub-themes – (i) Water quality management in tidal areas; (ii) ecological resources management in tidal areas; (iii) flood management in tidal areas; (iv) engineering for sustainable development of tidal areas; and (v) integrated tidal area management and decision and policy making. The selected papers of the workshop would be published in a Special Issue of ICID Journal on SDTA in 2012 Adelaide (Australia) conference.
- (d) Prof. Ruey-Chy Kao (Chinese Taipei) and Prof. Kazuaki Hiramatsu (Japan) were elected as new Chairman and Secretary of the WG-SDTA. Triennial ‘Best Performing Workbody’ Award was given to WG-SDTA in the presence of former chairman Dr. Park Sang Hyun (Korea) and made his valuable contributions in the working group.

2012

- (a) During Adelaide meeting (2012), Prof. Zhanyu Zhang (China) and Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia) were elected as new members of the WG.
- (b) The WG would organize a workshop on ‘Environmental Impacts and Sustainable Management of Tidal Areas’ in October 2013 at Mardin, Turkey. The Group would bring out a Special Issue of ICID Journal on ‘Sustainable Water and Land Management in Tidal Areas’ in 2013. The Special Issue would contain 12 peer reviewed papers from Chinese Taipei, Korea, Japan, Indonesia and The Netherlands and edited by the Guest Editors. The Special issue will be sponsored jointly by Korean National Committee (KCID), Japanese National Committee (JNC-ICID) and Chinese Taipei Committee (CTCID).

2013

- (a) During Mardin meeting (2013), Dr. Hajime Tanji (Japan) was elected as member and assumed the position of Secretary of the WG. An internal workshop on ‘Environmental Impacts and Sustainable Management of Tidal Areas’ and sub-themes were : (a) Impacts of climate change on tidal areas: Risk assessment; Adaptive management with consideration of climate change; (b) Flood/Ecosystem management; monitoring, forecasting, impacts, mitigation, strategies and vulnerability assessment; and (c) Stakeholder involvement and integrated management. Nine papers were presented from Korea, Netherlands, Bangladesh, Malaysia, Taiwan, Japan and Indonesia.
- (b) The WG published a Special Issue of ICID Journal titled “Sustainable Water and Land Management in Tidal Areas” (Volume 62, Issue Supplement S1) in October 2013. This issue contained 12 peer reviewed papers submitted by experts from Chinese Taipei, Korea, Japan, Indonesia and the Netherlands.
- (c) The WG will organize an International Workshop during 22nd ICID Congress and 65th IEC at Gwangju, Korea. The main theme of the workshop will be “Sustainable Management of Tidal Areas in the Era of Climate Change’ with six sub-themes.

2014

- (a) During Gwangju (2014) meeting, Dr. Jeongryeol Jang (Korea) was elected as new member of the WG-SDTA.
- (b) 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. Seven papers from Korea (4),

Indonesia (1), Taiwan (1) and Japan (1) were presented during the workshop. The workshop highlighted new information relevant to the sustainable management of tidal areas in the era of climate change.

- (c) The WG decided to organize a Short Course on 'Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas' in 2015. The Group was also decided to publish a Special issue of ICID Journal on SDTA in 2016.

2015

- (a) During Montpellier (2015) meeting, the WG organized an Internal Workshop on 'Environmental Hazards in Tidal Areas' on 13 October 2015. Five papers from The Netherlands, Japan, Chinese Taipei, Indonesia and Korea were presented. These papers will be considered for publishing in Special Issue of ICID Journal in 2016.
- (b) The WG decided to organize an International Short Course titled 'Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas' in 2016. There will be four topics i.e. (a) Special characteristics of land and water management in tidal areas; (b) Impacts of climate change on land and water management in tidal area; (c) Risk assessment and adaptive management considering climate change; and (d) International experiences of adaptations in SDTA to climate change.
- (c) The Group was also decided to publish a Special issue of ICID Journal on SDTA in 2016. The cost of the publication of Special Issue US\$ 15,000 shared by the Japan National Committee, Korean National Committee of ICID and China National Committee of ICID.
- (d) The Group is planning to make a final report of WG-SDTA for a period 2011 to 2016 to be prepared by Chairman in cooperation with Vice-Chairman and Secretary. The WG will conclude its mandate in 2016 and a 'Scoping Document' will be developed by Chair and presented in the next meeting of the group in November 2016 at Chiang Mai, Thailand.



Annex 4 [Appendix XI, Item 9]

A. Members and their attendance at 2014 and 2015

| Sl. No. | Members | Member From | 2014 | | 2015 | | Remarks |
|--|--|-------------|----------------|---------------------|------|---------------------|---------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Dr. Ruey-Chy Kao Chairman (2011) (Chinese Taipei) | 2007 | • | | • | | |
| 2. | Ir. Henk P. Ritzema, Vice-Chairman (2009) (The Netherlands) | 2002 | - | | • | | Contributed in 2015 |
| 3. | Dr. Hajime Tanji, Secretary (Japan) | 2013 | • | | • | | Contributed in 2016 |
| 4. | Dr. (Ms) Hsiao-Weng Wang, (Chinese Taipei) as Young Professional | 2010 | # ¹ | | • | | |
| 5. | Prof. Budi Santoso Wignyosukarto (Indonesia) | 2011 | • | | • | | |
| 6. | Dr. Jeongryeol Jang (Korea) | 2014 | • | | • | | |
| 7. | Prof. Zhang Zhanyu (China) | 2012 | • | | - | | |
| 8. | Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia) | 2012 | • | | - | | |
| 9. | Secretary General, ICID | | # | | # | | |
| Permanent Observers / Observers | | | | | | | |
| 1. | Dr. Jo Jin Hoon (Korea) | | | | | | |
| 2. | Dr. Daeou Eo (Korea) | | | | | | |
| 3. | Mr. Robiyanto Hendro Sustano (Indonesia) | | | | | | |
| 4. | Mr. Harry Denecke (FAO) | | | | | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|--------------------------|-----------|---|
| 1. | Eng. L.S. Sooriyabandara | Sri Lanka | Recommended by Chair subject to his presence or else Provisional Member |
| 2. | Mr. Anuj Kumar | India | Recommended by Chair subject to his presence or else Provisional Member |



¹ # Through Representation

**AGENDA FOR 1ST MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

10 November 2016, 09.00-10.30 hours (Session I)
10 November 2016, 11.00-12.30 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Extended the completion of the Mandate: 2021

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

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

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

1. During the last International Executive Council (IEC) Meeting, all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decisions made by the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Montpellier.

WG-ENV Agenda Item 2: ICID Action Plan 2030 – Future activities of the group (2016-2019)

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response has been received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the Core Group for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-ENV Agenda Item 3: Report on WebEx meeting of the group, 25 May 2016

4. The WG organized its WebEx/virtual meeting on 25 May 2016 wherein six members participated and discussed various activities of the group viz. international workshop, publication of WG, updating Multilingual Technical Dictionary (MTD), future activities of the WG, young professional training during WIF2 etc. The Chair opined that such meetings enabled the group to take a view of the progress made of their activities and at the same time allowed contributions from those members who were unable to attend the physical annual meetings. Chair may apprise the members on the WebEx meeting.

WG-ENV Agenda Item 4: Report on side event on “Environmental performances of paddy rice systems in the context of climate change”, 8 November 2016, Chiang Mai

5. During the WebEx meeting on 25 May 2016, Secretary General Avinash Tyagi informed that as per the recommendations of the International Technical Advisory Committee (ITAC) of WIF2, the WG could organize a Side Event instead of an International Workshop. The suggestion was well taken by the members.

6. Accordingly, during WIF2, a Side Event on ‘Environmental performances of paddy rice systems in the context of climate change: approaches and case studies – Towards climate-smart and sustainable paddy rice systems’ has been planned to be held on 8 November 2016 in Chiang Mai. The half-day event (4 hours) will discuss recent

advances in research and development on the environmental performances of paddy rice systems in the context of climate change. The event was coordinated by Dr. Sylvain Perret, Ms. Caroline Coulon and several other organizing partners such as WG-CLIMATE, ASRWG, INWEPF, PAWEES, AFEID and CIRAD. The Chair may present a brief report of the side event.

WG-ENV Agenda Item 5: Environmental aspects of irrigation and drainage projects: Management of a sustainable environment (maximizing positive and minimizing adverse effects of irrigation and drainage systems)

7. Base on the activities under this item, the group has prepared a draft report on “Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis” which has been circulated to all members for their comments and/or contributions. The report is authored by Chairperson, Vice-Chairperson, Secretary, and Dr Young Kim from Korea. The report includes the case studies originating from Thailand and Japan (Rice), South Africa (Sugarcane), Pakistan (Cotton), Korea (water infrastructures). It was proposed that the report would be finalized by end of 2016 (refer item 7), if not earlier. Chair may like to provide further updates.

WG-ENV Agenda Item 6: Publications of the working group - LCA

8. During WebEx meeting on 25 May 2016, Chairman informed that the Working Group document (report) was almost in final stage and expect it to revise it much before Chiang Mai meeting and publish it as an e-version on the WG website. During the meeting, Secretary General Avinash Tyagi suggested to include two-page write up in the WG document explaining basics of LCA to readers who may not be aware of such approaches. Dr. Labhsetwar informed that once the final document is made available, the Central office would take care of pre-press activities (formatting, designing etc.). Chair may like to provide further updates on finalization of the publication/report.

WG-ENV Agenda Item 7: Dissemination of the activities of the group - Website of working group

9. After the Montpellier meeting (2015), group photos and reports were uploaded by WG on its website (<http://wg-climate.icidonline.org/>). Members have been requested to provide additional material such as documents, reports, articles as well as photos for uploading on the web site. In June 2016, Dr. Fuqiang Tian provided power point presentations and photos which have since been uploaded on the group’s website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between annual face to face meetings. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-ENV Agenda Item 8: Updating Multilingual Technical Dictionary (MTD)

10. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

12. During WebEx meeting, Chairman and members sought more information of their expectations for updating the Multilingual Technical Dictionary (MTD). SG Avinash Tyagi requested members to review the environmental related terms and revise / add new terms as the environmental vocabulary is constantly evolving. It was proposed to undertake the concerned terms by the respective WG member depending on their domain of expertise suggesting changes / modification and addition of new terms, contributing pictures, links and videos related to respective term. Chair may like to provide further updates.

WG-ENV Agenda Item 9: Review of membership of the working group

WG-ENV Agenda Item 9.1: Election of Chairperson and Secretary of the WG

13. During WebEx meeting on 25 May 2016, it was proposed that the current Office Bearers of the WG desired to step down and elect new Office Bearers during the Chiang Mai meeting in November 2016. During the meeting, Chairman informed that Scoping document and work plan with revised mandate (2016-2019) have already been finalized in 2015 and new Office Bearers should take up the responsibilities for activities and deliverables from November 2016 onwards. In September 2016, Dr. Sylvain Perret informed that he would not be able to continue with activities of the WG and offered to resign from the Chairmanship of the WG while Dr. Van der Laan would not attending the Chiang Mai meeting and would like to resign from the position of Secretary as well. The group may like to discuss and elect a new Chair and Secretary for the group at the meeting.

WG-ENV Agenda Item 9.2: Regular membership of the WG

14. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

15. National Committees were informed about the re-establishment of WG-ENV vide notification no.9 of 2016 dated 4 March 2016 and invited nominations from them. In response, nominations have been received from the National Committees of China, India, and Sri Lanka however, CV of Mr. Rajiv Kumar (India) is awaited.

16. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 2** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-ENV Agenda Item 10: Young professional training during WIF2, November 2016, Chiang Mai

17. During the WebEx meeting, Secretary General requested the working group to organize a half-day (4 hours) training for ICID Young Professionals during WIF2. Chairman and VP Prof. (Ms.) Charlotte readily appreciated the idea of organizing a half-day training. Accordingly, Dr. Sylvain Perret has planned to organize a half-day training workshop on *“The environmental impact analysis of irrigation systems: using Life Cycle Analysis”* on 11th November 2016. The Chair may brief the members on the training workshop.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Sylvain Perret (Chair), Prof. N. Hatcho (Vice Chair), Dr. Michael van der Laan (Secretary)

Date:

| | | Outcomes / Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|----------------------------|--|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Position paper on environment | Position paper | Prepare draft paper | Release the second draft paper | Finalize the paper | | |
| | | | | | | | |
| | 2.2 ICID codes of practice and standards for the assessment of environmental, social and economic impacts | Standards | Prepare the draft ICID codes & standards | Prepare the first draft standards | Release the final standards | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize international workshop, seminar or symposium | Compilation of proceedings | First Workshop | | Second workshop | | Third workshop |
| | | | | | | | |
| | 3.2 Report on “Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis” | Report | Release the draft report | Finalise the report | | | |
| | | | | | | | |

Agenda for the 1st Meeting of WG-ENV (67th IEC) – (Ver. Dated 2016-10-04)

| | | Outcomes / Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|-----------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | | | | | | |
| | 3.3 Condensed overview of existing key books, manuals, guidelines and other relevant publications on environment | Report/Synopsis | | Release the first overview | | Release the second overview | Release of final overview |
| | 3.4 Updating Multilingual Technical Dictionary | Web version | Updating the terms | Updating the terms | Updating the terms | | |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | 5.1 Preparation and presentation of Case studies | Compilation of Case Studies | 2 Case Studies | | 2 Case Studies | | 2 Case Studies |
| | | | | | | | |
| | 5.2 Prepare an overview paper on State of the Art on ecosystem services and multi-functionality | State of the Art Paper | | State of the Art Paper Released | | | |
| Goal 6: Facilitate capacity development | 6.1 Training Workshop | Conduct workshop | | Training Workshop | | Training Workshop | |
| | | | | | | | |

A. Membership of the group

| Sl. No. | Members | Member from | Remarks |
|---------|---|-------------|--------------------------------|
| 1 | Dr. Sylvain Perret, Chairman (France) | 2015 | Attended the WebEx meeting |
| 2 | Prof. N. Hatcho, Vice Chairman (Japan) | 2015 | Contributed through email |
| 3 | Dr. Michael van der Laan, Secretary (South Africa) | 2015 | |
| 4 | Prof. Yih-Chi Tan (Chinese Taipei) | 2015 | |
| 5 | Mr. Mohammad Kazem Siah (Iran) | 2015 | |
| 6 | Dr. Choi, Joong-Dae (Korea) | 2015 | Contributed through email |
| 7 | Mr. V.C. Ballard (Australia) | 2015 | |
| 8 | Dr. Anna Tedeschi (Italy) | 2015 | |
| 9 | Mr. Ahmed Mohammad Aziz (Iraq) | 2015 | |
| 10 | Dr. Aynur Fayrap (Turkey) | 2015 | |
| 11 | Ir. Mohd Azmi Ismail (Malaysia) | 2015 | |
| 12 | Dr. Muhammad Basharat Chaudhry (Pakistan) | 2015 | Attended the WebEx meeting |
| 13 | Dr. Fuqiang Tian (China) | 2015 | |
| 14 | Prof. dr. (Ms.) Charlotte de Fraiture (Netherlands) | 2015 | Attended the WebEx meeting |
| 15 | Ms. Seija Virtanen (Finland) | 2015 | Attended the WebEx meeting |
| 16 | Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh) | 2015 | Accepted as Provisional member |
| 17 | Secretary General, ICID | | Attended the WebEx meeting |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|--|-----------|--|
| 1 | Dr. (Ms.) Bai Jing as Young Professional | China | Recommended for membership, subject to her presence or else Provisional Member |
| 2 | Mr. Rajiv Kumar | India | Recommended for membership, subject to his CV /presence or else Provisional Member |
| 3 | Eng. (Ms.) P.M. Jayadeera | Sri Lanka | Recommended for membership, subject to his presence or else Provisional Member |



**AGENDA FOR THE 31ST MEETING OF THE
WORKING GROUP ON COMPREHENSIVE APPROACHES TO
FLOOD MANAGEMENT (WG-CAFM)**

10 November 2016, 09.00-10.30 hours (Session-I)
10 November 2016, 11.00-12.30 hours (Session-II)
Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

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.

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

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

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier, France. The chair will also apprise the WG on the process of preparing WIF2 background paper entitled "Management of Climatic Extremes with Focus on Floods and Droughts".

WG-CAFM Agenda Item 2: ICID Action Plan 2030: Activities on Flood Management issues

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response was received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-CAFM Agenda Item 3: Publication of the Working Group on Flood Risk Management

4. The WG has decided to bring out a publication of the group titled 'Adaptive Flood Risk Management' covering both structural and non-structural aspects of floods management. WG Chair was requested to expedite finalization of the publication and send the final draft document to the ICID Central Office so that it can be circulated amongst the members of the WG for their comments/suggestions, if any. WG Chair will provide latest status during working group meeting.

5. Ir. Mohd. Adnan bin Mohd Nor (Malaysia) made a presentation on 'Flood Management in Malaysia' during the Montpellier meeting. In order to enrich the contents of the publication, Ir. Nor agreed to submit a paper on the same subject for inclusion in the WG publication.

WG-CAFM Agenda Item 4: Presentation on Floods (Country Case Studies)

6. It is customary in the Working Group to make a presentation on floods as country case studies by WG member or a professional from the host national committee i.e. Thai National Committee of ICID (THAICID) at Chiang Mai, Thailand. Accordingly, THAICID was invited to nominate a professional/expert for this country presentation. In response, Mr. Arthon Suttiigarn (Thailand), member of the WG-CAFM agreed to present a country paper titled "Flood

Management in the Western Chao Phaya River Basin - a Case Study of the Bangbal Bangsai Drainage Canal” during the WG meeting in November 2016 at Chiang Mai, Thailand.

WG-CAFM Agenda Item 5: Report of the Sub-theme 2 – Management of climatic extremes with focus on floods and droughts, November 2016, Chiang Mai

7. The Sub-theme 2 of the Second World Irrigation Forum (WIF2), to be held in November 2016 at Chiang Mai, Thailand, is “Management of climatic extremes with focus on floods and droughts”. Dr. Kamran Emami (Iran), WG Chairman supported preparation of the Background Paper of Sub-theme 2 of WIF2 as a member of team headed by Dr. Tsugihiko Watanabe (Japan), Chairman of WG-Climate. The Background Paper of Sub-theme 2 is available on the ICID website at http://www.icid.org/wif2_bg_pap_st2.pdf

8. As agreed during Montpellier meeting, the members of the WG are actively contributing to the activities of sub-theme 2 of WIF2 as authors of the papers, member of the ‘International Review Committee’ for online reviewing the abstracts / papers submitted under Sub-theme 2 [Dr. Takao Masumoto (Japan)], Rapporteur [Dr. Masumoto for Session PR (2.4)], Co-Chair [Dr. Emami for session PR (2.1)] etc. WG Chair will present the outcome of the WIF-2, especially on the Sub-theme 2 during WG meeting. WG will deliberate on integrating recommendations from WIF2 sub-theme 2 into action plan of the WG.

WG-CAFM Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

9. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this an important input to working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various experts international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-CAFM Agenda Item 7: Dissemination of activities of WG – Website of the group

11. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments in the field of flood management encompassing both structural and non-structural approaches. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updating of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

WG-CAFM Agenda Item 8: Closure report and revised mandate of the WG

12. The tenure of the WG was up to 2015. The issue of extension of tenure of the WG was discussed during the Montpellier meeting but no final decision could be taken during meeting of PCTA. So WG Chair was requested to prepare a closure report of the WG giving brief description of how its intended objectives and mandate have been achieved, including conclusion & recommendations and way forward and also to prepare a scoping document with revised mandate for extension/setting up of new WG. WG Chair will present closure report of the WG and a Scoping Document of the WG for discussion and finalisation during the meeting of WG at Chiang Mai. WG Chair will present recommendation of the WG extension / setting up of new WG to PCTA for its approval. Present membership of the WG is at **Annex 2** for information.

NOTES FOR CHAIRPERSON:

Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Kamran Emami (Iran), Dr. Takao Masumoto (Japan), Vice-Chairman; and
Ir. Mohd Adnan bin Mohd Nor (Malaysia), Secretary

Date:

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|---|-----------------------------|--|--|-------------------------------------|---|-------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Publication of the WG on Adaptive Flood Risk Management | Report | Finalisation and publication of report | | | | |
| | 2.2 Develop Guidelines on Flood Risk Management strategies | Guidelines | | Release first draft guidelines | Release of the finalised guidelines | | Updation of the guidelines |
| | 3.3 Case Studies on flood mitigation measures | Report | | Finalise and publish first set of case studies | | Finalise and publish second set of case studies | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organise internal / international Workshop | Proceedings of the workshop | Invite member countries and IOs like WMO, ICOLD, IAHR, APFM etc (discussion in WG meeting) | Workshop | Workshop | Workshop | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|---|---------------------------|--|---|-------------------------------|-------------------------------|-------------------------------|
| | | | | | | | |
| | WG Activity 4.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | WG Activity 5.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | To launch e-Discussion on Flood Risk Management | Outcome | e-Discussion on Flood Risk Management (discussion in the WG meeting) | To invite member countries/ IOs for e-Discussion on Flood Risk Management | Organise a Side Event in WIF3 | | |
| | WG Activity 6.2 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |

Members and their attendance at 2014 and 2015 Meetings

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|----------------------------|--|-------------|------|---------------------|------|---------------------|---|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Dr. Kamran Emami (Iran), Chairman, 2010 | 1999 | • | | • | | |
| 2. | Dr. Takao Masumoto, Vice-Chair (Japan) 2015 | 2009 | • | | • | | |
| 3. | Mohd Adnan bin Mohd Nor (Malaysia), Secretary 2015 | 2013 | • | | • | | |
| 4. | Mr. Maurice Roos (USA) | 2006 | • | | • | | |
| 5. | Mr. Olli-Matti Verta (Finland) | 2011 | • | | • | | |
| 6. | Mr. Marcel Marchand (The Netherlands) | 2011 | # | | # | | Contribution in 2015 and continue as member |
| 7. | Dr. Arthon Suttigam (Thailand) | 2012 | • | | • | | |
| 8. | Ms. Aysen Pervin Gungor (Turkey) | 2012 | • | | | | |
| 9. | Dr. Herman Booysen (South Africa) | 2012 | • | | | | |
| 11. | Mr. R.K. Agarwal (India) – Direct Member | 2015 | • | | | | Accepted as member in 2015 |
| 12. | Dr. Rozalija Cvejic (Slovenia) | 2015 | | • | | | Accepted as member in 2015 |
| 13. | Mr. V.D. Roy (India) Provisional Member | 2015 | | | | | Accepted as Provisional Member |
| 14. | Secretary General, ICID | | # | | | | |
| Permanent Observers | | | | | | | |
| 1. | FAO representative | | | | | | |
| 2. | UNDRO representative | | | | | | |
| 3. | WMO representative | | # | | | # | |
| 4. | World Bank representative | | | | | | |



APPENDIX XIV [PCTA Item 7.5]

**AGENDA FOR 1ST MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

10 November 2016, 11.00-12.30 hours (Session I)

10 November 2016, 13.30-15.00 hours (Session II)

Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

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

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

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

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-CLIMATE Agenda Item 2: ICID Action Plan 2030 – Activities on climate change and agricultural water management

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in the prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Accordingly, in August 2016, Chair Dr. Watanabe has prepared the draft action plan of the group in consultation with the Vice Chair and Secretary and circulated it to all members with a request to provide their feedback/ comments (**Annex 1.**). WG will discuss and finalize the action plan of the group. WG Chair will provide further updates at the meeting.

WG-CLIMATE Agenda Item 3: Global Framework for Climate Services

4. A three-day Regional Consultation on Climate Services for the Third Pole and other High Mountain Regions, was jointly organized by India Meteorological Department (IMD) and World Meteorological Organization (WMO), from 9-11 March 2016 at Jaipur, India. Secretary General Avinash Tyagi attended the regional consultation representing the needs of climate information from the perspective of irrigation managers. More than 50 experts from 12 countries¹ of 3rd Pole region, WMO, Geneva, RIMES Thailand, and experts from USA, Australia, Germany and other global and Indian Institutions also attended the consultation. Eight Technical Sessions were held. More information is available at <http://public.wmo.int/en/media/news/climate-services-third-pole>.

5. It may be recalled that WMO and ICID have signed a MOU in 2013 with a view to enhance WMO's ability to appropriately make use of outreach, capabilities and expertise of ICID in the areas of flood/ drought/ irrigation management by the irrigation and drainage community around the world. WG may discuss and review the possible activities through which NC experts in agriculture water management may have interaction with their national counterparts and the possible collaboration with WMO to design and develop roadmap for greater use of climate

¹ Afghanistan, Bangladesh, Bhutan, China, India, Kyrgyzstan, Mongolia, Myanmar, Nepal, Pakistan, Tajikistan and Uzbekistan

information in future as a way forward to materialize the commitments made by parties in Paris. Further, to share the most current international context of climate service, a representative of WMO was invited to deliver a talk about the on-going WMO's actions for the Global Framework during WG meeting.

WG-CLIMATE Agenda Item 4: Dissemination of activities of WG – Website of the group

6. After the Montpellier meeting held in 2015, group photos and materials were uploaded by WG on its website (<http://wg-climate.icidonline.org/>). Members have been requested to provide additional material such as documents, reports, articles as well as photos for uploading on the web site. In June 2016, Dr. Fuqiang Tian has provided power point presentations and photos which have been uploaded on the group's website. The new members are recommended to email to the WG Secretary (Dr. Fuqiang Tian)/ ICID Central Office and provide additional material for uploading on the WG website for wider dissemination. Members may like to discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

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

7. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various experts from international organizations (Refer PCTA Agenda Item 4, page 82).

8. At the Montpellier meeting, the working group discussed the issue and set up a task team led by Dr. Waleed Hassan M. Abou El Hassan (Egypt) to update the MTD on behalf of the WG. In June 2016, Dr. Waleed Hassan contacted and requested all members to review and update the terms/ definitions etc. in MTD related to scope of the WG. Similarly, Chair also requested all members to actively contribute in updating the MTD. In response, Mr. Michael Davidson (USA), Prof. Ray Shyan Wu (Chinese Taipei) and Mr. Mika Turunen (Finland) have confirmed their contribution in updating the MTD. The team leader Dr. Hassan will provide further progress at the meeting.

WG-CLIMATE Agenda Item 6: Report of the Sub-theme 2 – Management of climatic extremes with focus on floods and droughts, November 2016, Chiang Mai

9. The Sub-theme 2 of the Second World Irrigation Forum (WIF2) to be held in November 2016 at Chiang Mai is 'Management of Climatic Extremes with Focus on Floods and Droughts'. Chairman Dr. Watanabe, who was the Leader of team for preparation of background paper, will present the background paper for the Sub-theme 2 of WIF2. Since the subject of 'climate change' will be covered in details under Sub-theme 2 of WIF2, members are requested to take active part in the activities of the sub-theme-2. Dr. Tsugihiko Watanabe (Japan), Dr. Nozar Ghahreman (Iran), Dr. Waleed Hassan (Egypt), Dr. Guy Jobbins (UK) have agreed to be part of the 'International Review Committee' for online reviewing the abstracts/ papers submitted under sub-theme 2.

10. WG Chair may like to brief members of the WG on the outcomes of the WIF2, especially on the Sub-theme during the working group meeting. WG may also consider incorporating recommendations from sub-theme 2 of WIF2 in their work plan appropriately.

WG-CLIMATE Agenda Item 7: Review of membership of the working group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, it was decided by the Management Board that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

12. National Committees were informed about the re-establishment of WG-CLIMATE vide notification no.10 of 2016 dated 4 March 2016 and nominations were invited from them. In response, nominations have been received from the National Committees of India, Indonesia, Pakistan, and Sri Lanka for the membership of the new WG. Mr. Atin Kumar Tyagi (India) has informed that he will be replacing Dr. Santosh Deshmukh who has left Jain Irrigation Systems Limited (JISL).

13. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 2** (refer *electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting. The new members are requested to make a short presentation about their activity plan, R&D in the member country and on other relevant topics.

WG-CLIMATE Agenda Item 8: Workshop on management of the climate change: post 2015 Paris

14. The working group will hold a small international workshop on 'Agricultural Water Management under the Changing Climate' after the Paris Agreement on the 21st United Nations Conference on Climate Change. Some guest speakers and the working group members will present in the workshop held in the second part of the meeting. In the workshop, the outcomes of the WIF2 will be discussed, mainly on the Sub-theme 2 and climate change related topics. Members of the working group are encouraged to make presentations at the workshop.

WG-CLIMATE Agenda Item 9: Report of the side event on 'Environmental performances of paddy rice systems in the context of climate change: approaches and case studies – Towards climate-smart and sustainable paddy rice systems', November 2016, Chiang Mai

15. During the 2nd World Irrigation Forum (WIF2), a Side Event on 'Environmental performances of paddy rice systems in the context of climate change: approaches and case studies – Towards climate-smart and sustainable paddy rice systems' will be jointly organized by WG-ENV, WG-CLIMATE, ASRWG, INWEPF, PAWEES, AFEID, CIRAD on 8 November 2016 in Chiang Mai. The half-day event will discuss recent advances in research and development on the environmental performances of paddy rice systems in the context of climate change. The event will be coordinated by Dr. Sylvain Perret and Ms. Caroline Coulon of AFEID, French National Committee. Chairman may like to provide a brief report of event at the meeting.

WG-CLIMATE Agenda Item 10: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Tsugihiko Watanabe (Chair), Ray-Shyan Wu (Vice-chair), and Fuqiang Tian (Secretary)

Date: August 15, 2016

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|--|--|--|---|--|---|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | 1.1 Develop Guideline for Water Management Practices under Changing Climate | Guidelines | | | Release the First Draft Guidelines in WIF3 | | Release the Final Draft Guidelines |
| | | | | | | | |
| | 1.2 Prepare Position Paper on Smart Water Management for Mitigation Climate Change | A Position Paper of ICID | 2nd Workshop on Post Paris 2015 | 3rd Workshop on Post Paris 2015 | Discuss in a Side Event and Release the Draft in WIF3 | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Organize Introduction of the Cases to be Applied to Other Regions | Compilation of Cases | 2 Case Studies in humid region(introduction in WG Meeting) | 2 Case Studies in arid/semi-arid region(introduction in WG Meeting) | 2 Case Studies on unique examples (introduction in WG Meeting) | Extra Case Studies and comparison of the cases (introduction in WG Meeting) | Integration to conclude in general |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshop, Seminar and Symposium | A Position Paper on Adaptation to Climate Change | Communication with International Organizations | Communication with International Organizations | Release the First Draft Paper in WIF3 | | Release the Final Draft |
| | | | | | | | |

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|---|---|--|---|---|---|-------------------------------|
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | 4.1 Develop Integrated Assessment of Climate Change Impacts | Brief Guidelines with Compilation of Case Studies | 2 Case Studies with focus on technical background and uncertainty (introduction in WG Meeting) | 2 Case Studies with previous year's focus plus economic and social aspects (introduction in WG Meeting) | 2 Case Studies with previous year's focus plus financial and institutional arrangement (introduction in WG Meeting) and Introduction of state-of-the-art methodologies and their outcomes in WIF3 | 2 Case Studies with previous year's focus plus interest groups (introduction in WG Meeting) | Release the Brochure |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | N/A | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| Goal 6: Facilitate capacity development | N/A | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |

A. Members and their attendance at 2015 meeting

| Sl. No. | Members | Member from (Year) | 2015 | | Remarks |
|--------------------------------------|--|--------------------|----------------|---------------------|---|
| | | | Self | Contributed by mail | |
| 1. | Dr. Tsugihiko Watanabe, Chairman (Japan) | 2015 | • | | |
| 2. | Dr. Ray Shyan Wu, Vice Chairman (Chinese Taipei) | 2015 | # ² | | |
| 3. | Dr. Tian Fuqiang, Secretary, (China) | 2015 | • | | |
| 4. | Dr. Juan A. Rodriguez-Diaz (Spain) | 2015 | | | |
| 5. | Prof. Dr. Choi, Jin-Yong (Korea) | 2015 | • | | |
| 6. | Dr. Nozar Ghahreman (Iran) | 2015 | • | | |
| 7. | Dr. Waleed Hassan M. Abou El Hassan (Egypt) | 2015 | • | | |
| 8. | Mr. Michael Davidson (USA) | 2015 | • | | |
| 9. | Dr. Guy Jobbins (UK) | 2015 | • | | |
| 10. | Mr. Mika Turunen (Finland) | 2015 | • | | |
| 11. | Dr. S.K. Deshmukh – Direct Member, JISL (India) | 2015 | | | JISL informed that Mr, Deshmukh has left JISL |
| 12. | Secretary General, ICID | | | | |
| Observers/Permanent observers | | | | | |
| (i) | WMO representative | | | | |
| (ii) | IWMI Representative | | | | |
| (iii) | FAO Representative | | | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|---|-----------|---|
| (1) | Eng. (Ms.) Talatha Janaki Meegstenna | Sri Lanka | Recommended by Chair subject to her presence or else Provisional Member |
| (2) | Mr. Javeed Iqbal Bokhary | Pakistan | Recommended by Chair subject to his presence or else Provisional Member |
| (3) | Mr. Sanjay Kumar Singh | India | Recommended by Chair subject to his presence or else Provisional Member |
| (4) | Dr. (Ms.) Fransisca Mulyantari | Indonesia | Recommended by Chair subject to her presence or else Provisional Member |
| (5) | Mr. Atin Kumar Tyagi – Direct Member, JISL in place of Dr. Santosh Deshmukh | India | Recommended by Chair subject to his presence or else Provisional Member |

² # Through representation

**AGENDA FOR THE 7TH MEETING OF THE
WORKING GROUP ON WATER FOR BIO-ENERGY AND FOOD (WG-BIO-ENERGY)**

8 November 2016: 09:00-11:00 hours

Chiang Mai, Thailand

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2010

Completion of the Mandate: 2015

Mandate: Evolve “ICID’s position on Water for Bio-Energy and Food”

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

WG-BIO-ENERGY Agenda Item 1: Action Taken Report by Chair

1. During the last International Executive Council (IEC) all the Committees were requested to make use of the video-conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conferences also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chairman will present report on the actions taken on the various decisions/proposals of the Working Groups since Montpellier Meeting in 2015.

WG-BIO-ENERGY Agenda Item 2: ICID Action Plan 2030: Activities on Bio-Energy

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. WG Chair prepared a draft action plan and shared the same with ICID Central Office (**Annex 1**). The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

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

4. During the Montpellier meeting held in October 2015, the WG has decided to bring out an e-publication of the Technical Report titled ‘Water for Bio-Energy’ and place it on WG website. In this connection, the Group made a synthesized technical report on Water for Bio-Energy along with the country papers received from Brazil, Canada, China, India, Nepal and South Africa. Prior to bringing out e-publication of the WG, the Chairman of the group was requested to review and send his consent on technical report in consultations with the members of the WG. After approval of the report from the Chair, report has been uploaded on the WG website http://www.icid.org/tf_bio_energy.html for its wider dissemination. Chairman may apprise the members about the e-publication of the Technical Report of the WG during the meeting.

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

5. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this an important input to working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various experts’ international organizations (Refer PCTA Agenda Item 4, page 82).

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

suggesting changes / modification and addition of new terms, along with contributing pictures, links and videos related to respective term.

WG-BIO-ENERGY Agenda Item 5: Closure report and revised mandate of the WG

7. During the last meeting, the WG completed its mandate in 2015 and developed a 'Scoping Document' (SD) for a new WG. The Group nominated Dr. Fuqiang Tian (China) as Convener and VPH Laurie C. Tollefson (Canada) as member of the 'Core Group' (CG) for preparing 'Scoping Document' of the WG. Accordingly, Core Group has prepared revised 'Scoping Document' of the new Working Group on 'Water for Bio-Fuel and Food' with revised mandate, which has been circulated to the members of the WG for providing their comments/suggestions. Since no comments were received from the members, the revised SD was sent to all National Committees in May 2016 for their comments/suggestions, as well as to nominate suitable experts for the new WG. The draft scoping document (revised) of the WG prepared by Core Group is available at **Annex 2**. The Group will discuss and finalise the SD during the meeting and forward it to PCTA/IEC for its approval for establishing new WG.

8. As decided in the WG meeting at Montpellier, the Chairman of WG finalized the closure report of the WG providing details of background, activities undertaken, conclusion and recommendations and way forward. This closure report after review by the Central Office has been circulated to the members of the WG and uploaded on the WG website.

WG-BIO-ENERGY Agenda Item 6: Dissemination of activities of WG - Website of the Group

9. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments in the field of bio-energy. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

WG-BIO-ENERGY Agenda Item 7: Presentation of new advance on bio-energy

10. To share the knowledge of new advances on bio-energy in different member countries, the WG will invite a couple of presentations from the field experts. WG Chair suggested to invite Hydro and Agro Information Institute (HAI) or Royal Thai Navy to make one such presentation. WG members may deliberate on the issue and suggest make suggestion from experts in the field during the WG meeting.

WG-BIO-ENERGY Agenda Item 8: Review of membership of the working group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, it was decided by the Management Board (MB) that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

12. The Indian National Committee on Surface Water (INCSW) and Sudanese National Committee, ICID (SNCID) have nominated Mr. Rajiv Kumar (India) and Dr. Salih Hamad Hamid (Sudan) respectively for the membership of the group. The existing membership of the WG and new nominations are given at **Annex 3** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-BIO-ENERGY Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Fuqiang Tian (China) and members filled-in the questionnaire

Dated:

| | | Outcomes/ Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|---|--|--|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | WG Activity 1.1 | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Position paper or updated technique paper | Position paper | | | Release at IEC | | |
| | 2.2 Technical report of the WG on bio-energy | Technical report on Water for Bio-energy | Finalisation and dissemination of technical report | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize workshops, seminar, or symposium | Compilation of proceedings | Inputs to Congress | | International workshop | | |
| | 3.2 Review of policies and publications | Condensed overview of | | Release of overview of | | Release of overview of first | |

| | related to mandate of the WG | national policies and relevant publications on the topic | | first set of policies and publications | | set of policies and publications | |
|--|------------------------------|--|-------------------------------|--|-------------------------------|----------------------------------|-------------------------------|
| | | Outcomes/ Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | | | | | |
| | | | | | | | |
| | WG Activity 5.2 | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | | | | | |
| | | | | | | | |

**WORKING GROUP ON WATER FOR BIO-FUEL AND
FOOD (WG-BIO-ENERGY)**

DRAFT SCOPING DOCUMENT (REVISED)

1. Background

- 1.1 Rising energy prices, geopolitics and concerns over the impact of greenhouse gas emissions on climate change are increasing the demand for biofuel production. Over the last two decades, biofuel production has increased dramatically. For example, bioethanol output experienced an increase from 16.9 to 72.0 billion liters while biodiesel grew from 0.8 to 14.7 billion liters between 2000 and 2009. At present biofuel production is estimated at 35 billion liters, accounting only for a small part (2%) of the 1200 billion liters of annual gasoline consumption worldwide. But the contribution of biofuels to energy supply is expected to grow fast with beneficial impacts including reductions in greenhouse gasses, improved energy security and new income sources for farmers. However, biofuel production and use have both positive and negative environmental and socio-economic consequences. Specifically, biomass production for energy will compete with food crops for scarce land and water resources, which is already a major constraint on agricultural production in many parts of the world.
- 1.2 With the emerging new challenges for agricultural water management, ICID established a Task Force (TF-BIO-ENERGY) in 2010 headed by Dr. Laurie C. Tollefson to evolve its position on Water for Bio-Energy and Food¹. The task force was renamed as WG BIO-ENERGY at the 64th IEC meeting, Mardin, 2013. The chair and other core members completed a technical report with contributions from all group members at the 22nd ICID Congress and 65th IEC meeting, Gwangju, 2014. The report presents a holistic review of the state-of-the-art of bio-energy production and policies in different countries, the intertwined linkage among bio-energy, water, and food, a summary of the perspectives from all contributing country members. In view of the importance of the bio-fuels in reducing emission of green-house gases, the members of WG BIO-ENERGY and PCTA felt the need to develop an awareness and understanding among the national committees regarding bio-energy issues so that they are able to better understand various facets of bio-energy production and their impacts on the water availability for food production and ensure their participation in the deliberations on the issue of bio-energy within their country and contribution in the policy dialogues. Accordingly, continuation of WG was recommended and WG was requested to develop a new Scoping Document to reorient its objectives and the scope of its activities.

2. Objective and Mandate

2.1 Relevance of the Working Group (WG)

- 2.1.1 The expansion and intensification of biofuel production is growing fast, which could add to existing pressures on land and water management. The technology of biofuel production is also developing fast, which will recast the nexus among biofuel, water and food. As stated above, therefore, the objective of the working group is to stimulate discussion and raise awareness of water and food security issues associated with biofuel. Specifically, the relevance and mandate of the WG can be specified as follows:

- (a) To enhance understanding of the nexus between bio-energy, water and food production/food security among the ICID community;
- (b) To explore and analyze the implications of existing and new biofuel technologies on water resources availability, food production and rural development;
- (c) To enhance discussions on appropriate promotion policies for biofuel production and its use with due considerations to the countries need to balance food and energy, urban and rural, carbon and economy, etc.;
- (d) To join the international dialog on the nexus among biofuel, water, and food.

2.2 Relevance of the Working Group to the scope of the Thematic Area

- 2.2.1 For the relevance of the WG to the scope of the Thematic Area, the same argumentation is applicable as shown under the relevance. One of key objective is to better understand nexus of water-food and energy including implications of bio-fuel on diversion of land and water from food production to bio fuel production in the context of food security.

¹ Task force is completing its mandate with extended period in 2015.

- 2.3 Existing gap that the Working Group is expected to fill
- 2.3.1 ICID working group (WG-Crop) has mandate to investigate use of energy crops for bio-fuel production but there is a gap in dealing with nexus of water-food-energy specifically implication of diversion of lands and water for bio-fuel production on food security. This group is proposed to fill this gap.

3. State of knowledge on the topic

3.1 Other International Organisations that are working on the subject

3.1.1 There are several other International Organisations that have programs and activities on this topic. This especially concerns the:

- (a) Food and Agriculture Organisation of the United Nations (FAO);
- (b) International Fund for Agricultural Development (IFAD);
- (c) United Nations Environment Programme (UNEP);
- (d) World Agroforestry Centre (ICRAF);
- (e) Organisation for Economic Co-operation and Development (OECD)
- (f) Professional international associations, like: International Petroleum Industry Environmental Conservation Association (IPIECA), etc.

3.2 The niche that ICID is expected to fill in this area

3.2.1 The specific niche that this WG can fill on the issue highlighted under “Scope” can be formulated as follows:

- (a) to exchange information and network on the issues in order to be up to date with new developments, methods and approaches;
- (b) to review and prepare a condensed overview of existing literature and other relevant publications on the issues;
- (c) to prepare and present reports and/or case studies on recent development in the countries that are represented in the WG;
- (d) to organise international workshops, seminars or symposia on the issue;

3.2.2 This can be the basis to present recommendations and if mature a position paper on key issues of bio fuel production and its impact on food security in different countries and paper on the topic for publication in *Irrigation and Drainage (IRD)*.

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

3.3.1 International Organisations can contribute to the activities of the WG by nominating Permanent Observers (PO). On the other hand, presentations of the work and achievements of the WG can be presented at the occasion of events organized by International Organisations.

4. Work Plan

4.1 Scope

4.1.1 The working group is expected to investigate, analyze, and disseminate information on new developments and to formulate recommendations with respect to:

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

4.2 *Target Audience*

4.2.1 The target audience for this working group will be the National Committees and its members who might be called upon by their governments to advise on various facets of biofuel policies, its implications on water resources management, particularly on agriculture water management, food production, and setting up regulatory mechanism.

4.3 *Outputs*

4.3.1 The following outputs are expected from this working group:

- (a) sharing knowledge and experiences by representatives of National Committees, and disseminating this knowledge within their country;
- (b) presenting condensed overview of national policies and relevant publications on the topic;
- (c) organizing or co-organizing at least one workshop, seminar or symposium in every two years at occasion of an international ICID meeting; and
- (d) distributing ICID experiences in practice for countermeasures for water and land competition from biofuel production.

4.4 *Timelines*

4.4.1 Biofuel production is in a fast development and the nexus among biofuel, water and food is rather complex. Therefore, it is recommended that the term of this working group be set at 4 years. The timeline would have to be based on the scope of work and the expected outputs. Details of the timeline would have to be formulated and refined at the meeting of the working group.

4.5 *Collaborators and dissemination strategy*

4.5.1 The working group would have to base its activities on an open attitude with a clear scope for invitation of outsiders that are interested in the topic.

4.5.2 The dissemination strategy would have to be based on reaching those who can apply the findings and recommendations of the working group in their research and especially in policy development, decision making and implementation in practice.

6. **Core Group**

6.1 The draft has been circulated among the members of WG-BIO-ENERGY. Comments received from the members of the WG have been included in this scoping document. The Core Group consists of:

Convenor: Fuqiang Tian
Member: Laurie C. Tollefson

7. **References**

- (i) D Rajagopal, S E Sexton, D Roland-Holst and D Zilberman. Challenge of biofuel: filling the tank without emptying the stomach? *Environ. Res. Lett.* 2 (2007) 044004 (9pp). doi:10.1088/1748-9326/2/4/044004
- (ii) Giovanni Sorda, Martin Banse, Claudia Kemfert. An overview of biofuel policies across the world. *Energy Policy* 38 (2010) 6977–6988.
- (iii) Charlotte de Fraiture, Mark Giordano and Yongsong Liao. Biofuels and implications for agricultural water use: blue impacts of green energy. *Water Policy* 10 Supplement 1 (2008) 67–81.
- (iv) UNEP (2011), “The bioenergy and water nexus’ <http://www.unep.fr/energy/bioenergy>
- (v) UNEP (2011), “Water and bioenergy”, Issue Paper No 2, Bioenergy Issue Series, <http://www.unep.fr>
- (vi) Göran Berndes, (2008), “Water demand for global bioenergy production: trends, risks and opportunities” Göteborg, Berlin 2008. http://www.wbgu.de/wbgu_jg2008_ex02.pdf



A. Members and their attendance at 2014 and 2015 Meetings

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|-----------------|---|-------------|----------------|---------------------|------|---------------------|--------------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Dr. Fuqiang Tian (China), Chairman (2015) | 2012 | • | | • | | Nominated as new Chair of WG |
| 2. | Mr. Laurie C. Tollefson, Member (Canada) | 2010 | • | | • | | |
| 3. | Mr. Sanjay Belsare (India) | 2010 | - | | - | • | Contribution in 2015 and 2016 |
| 4. | Mr. Uttam Raj Timilsina (Nepal) | 2012 | • | | - | | |
| 5. | Mr. Mortaza Yazdkhasti (Iran) | 2015 | | | • | | Accepted as Provisional Member |
| 6. | Mr. André Roux (South Africa) | 2015 | | | • | | |
| 7. | Secretary General, ICID | 2010 | # ² | | # | | |
| Observer | | | | | | | |
| 8. | Mr. Bassam Hayek (Jordan) | 2015 | | | • | | |

B. New Nomination received from the National Committee

| S. No. | Name | Country | Remarks |
|--------|-----------------------|---------|--|
| 1. | Mr. Rajiv Kumar | India | Recommended as member, subject to his presence else provisional member |
| 3. | Dr. Salih Hamad Hamid | Sudan | Recommended as member, subject to his presence else provisional member |

² # Through representation

**AGENDA FOR THE 9TH MEETING OF THE
WORKING GROUP ON WATER AND CROPS (WG-WATER & CROP)**

10 November 2016, 13.30-15:00 hours (Session-I)

10 November 2016, 15.30-17.00 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2007

Completion of the Mandate: 2019

Mandate: To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

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

WG-W&C Agenda Item 1: Action Taken Report by Chair

1. During the last International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Montpellier in 2015.

WG-W&C Agenda Item 2: ICID Action Plan 2030: Goal-wise Action Points

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response has been received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the Core Group for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting

WG-W&C Agenda Item 3: Multi-functionality of water use in paddy (Rice) cultivation

4. The WG decided to bring out a 'Technical Report' based on the work carried out so far which includes reports on : (a) efficient use of water in crop production, (b) crop water models, (c) multifunctional water use in paddy, and (d) rainfall harvesting and energy crops. NCs of Philippines, China and Indonesia have contributed their papers for the 'Technical Report' during the Montpellier meeting in 2015. Further, Central Office requested the members/NCs from Korea, Thailand and Taiwan to contribute their papers in the area of the 'Multi-functionality of water use in paddy (Rice) cultivation' in their countries enriching the 'Technical Report' of the working group. The Chairman may apprise the WG members.

WG-W&C Agenda Item 4: Publications of the Working Group

WG-W&C Agenda Item 4.1: Technical Report

5. During the Montpellier meeting (2015), the Chairman of the WG discussed the reports by VPH Dr. Ragab Ragab (UK); Prof. Kim (Korea); Dr. Koji (Japan); and VPH Laurie C. Tollefson (Canada). However, report from Dr. K.Y. Reddy (India), Dr. Graziano Ghinassi (Italy) and Dr. Leon van Rensburg (South Africa) is awaited. Dr. K.Y. Reddy (India) has further informed that he would prepare a report on '*Efficient Use of Water in Crop Production*'. The draft structure (format) of the Technical Report has been circulated to the members for their comments/suggestions, if any. The Chairman may apprise the WG members during the meeting.

WG-W&C Agenda Item 4.2: Best papers for Special Issue of IRD

6. The WG has organized International Workshops: (1) “*Management of Water, Crops and Soils under Climate Change*” in 2013 at Mardin, Turkey and (2) ‘*Precision Irrigation for Sustainable Crop Production*’ in 2015 at Montpellier, France. It is proposed to publish select best papers in the Special Issue of IRD Journal. A Review Committee needs to be established to select best papers. The Chairman may like to discuss and establish a Review Committee. The Guest Editors can be appointed in due course of time in consultation with EB-JOUR.

WG-W&C Agenda Item 5: Report of the Sub-theme 1 - Key issues of irrigation and drainage in balancing water, food, energy and ecology of WIF2

7. The Sub-theme 1 of the Second World Irrigation Forum (WIF2) titled ‘*Key issues of irrigation and drainage in balancing water, food, energy and ecology*’ closely related with the mandate of the WG and hence the WG contributed towards organization and review of papers under Sub-theme 1 instead of organizing an independent International Workshop. VPH Dr. Ragab Ragab (UK), Chairman of the WG was member of the Work Team who prepared the Background Paper for Sub-theme 1 of WIF2 under the Chairmanship of Dr. Reza Ardakanian (UNU-FLORES). The Background Paper of Sub-theme 1 is available at http://www.icid.org/wif2_bg_pap_st1.pdf Dr. Ragab was Co-chair of Parallel Session 1.5, whereas VPH Laurie Tollefson, Vice Chair of the WG was Rapporteur of Parallel Session 1.3 besides being a member of the ‘International Review Committee’ for WIF2. The Chair may present the report of sub-theme 1 and discuss issues that may be considered by the WG in future.

WG-W&C Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

8. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-W&C Agenda Item 7: Dissemination of activities of WG – Website of the group

10. Members are requested to actively participate and contribute to the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the subject in order to keep themselves up-to-date with new developments, methods and irrigation management practices. In October 2015, Chair Dr. Ragab Ragab provided the outcome of the international workshop on ‘*Precision Irrigation for Sustainable Crop Production*’ along with some papers/presentations of the authors which have since been uploaded on the WG website http://wg-crop.icidonline.org/crop_present.html for more information of the group. In order to ensure regular contribution of the members, WG is encouraged to make full use of WebEx platform for virtual meetings in between face to face meetings during IEC. Members may like to discuss and evolve methodology for sharing of information and updating of WG website.

WG-W&C Agenda Item 8: Review of the membership of the Working Group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conferencing.

12. New nominations of Dr. Nader Heydari (Iran) in place of Ms. Jaleh Vaziri and Dr. Wu Di (China) have been received from the Iranian National Committee on Irrigation and Drainage (IRNCID) and Chinese National Committee on Irrigation and Drainage (CNCID), respectively. The Chairman recommends their membership for the WG. In case the new nominee is not present during the meeting, the nomination is 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.

13. Dr. Allah Bakhsh (Pakistan), Provisional Member of the WG in 2015 contributed by e-mail and also submitted his paper on “*Tubewell run on Solar Energy and its use in Agriculture*” which has been accepted for oral presentation in the Side Event 10: “Solar Energy in Irrigation and Drainage” of WIF2. In view of his active contributions, his membership is hereby regularized/continued.

14. On the basis of non-attendance, non-participation, no communication with ICID (ICID by-law 3.5) during the last 2 or more consecutive years, Chair recommends discontinuation of membership of Dr. Koji Inosako (Japan).

15. Accordingly, the updated membership of the WG based on the nominations received as of now can be seen in **Annex 2** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-W&C Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Dr. Ragab Ragab (UK); VPH Laurie C. Tollefson (Vice-Chairman) and Dr. K.Y. Reddy (Secretary)

Dated:

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|--|---------------------------|---|------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| Goal 1: Enable higher crop productivity with less water and energy | 1.1 Develop guidelines on efficient use of water in crop production | Guidelines | Outline of guidelines - Introduction | Release the first draft guidelines | Finalise the draft guidelines | To publish it | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Technical Report | Report | Prepare the first draft report for discussion | Release the second draft report | Finalise the draft report | To publish it | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 International workshop/ seminar | Workshop Proceedings | Workshop | | Workshop | | |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | 4.1 Crop – Water – Energy Nexus | Technical report | | Workshop | | Workshop | |
| | | | | | | | |
| | WG Activity 4.2 | | | | | | |
| | | | | | | | |

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|------------------------------|----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | 6.1 Crop Water Models | Conduct Training Workshops | Training Workshops | | Training Workshops | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

A. Members and their attendance at 2014 and 2015 Meetings

| Sl. No. | Members | Member from (Year) | 2014 | | 2015 | | Remarks |
|----------------------------|--|--------------------|------|---------------------|------|---------------------|--|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Vice President Hon. Dr. Ragab Ragab, Chairman (UK) | 2007 | • | | • | | |
| 2. | VPH Laurie C. Tollefson, Vice-Chairman (Canada) | 2009 | • | | • | | |
| 3. | Dr. K. Yella Reddy, Secretary (2010) (India) | 2009 | • | | • | | |
| 4. | Dr. Koji Inosako (Japan) | 2010 | - | | - | | No contribution during 2014-2015. Recommended for discontinuation. |
| 5. | Prof. Dr. Mohd Amin Mohd Soom (Malaysia) | 2011 | - | | | • | Contributed in 2015 |
| 6. | Dr. Magdi T. Abdelhamid (Egypt), Provisional Member | 2011 | - | | - | | WG extended his membership till 2016 |
| 7. | Mrs. Gao Hong (China) | 2012 | - | | | • | Contributed in 2015 |
| 8. | Dr. Marco Arcieri (Italy) | 2014 | • | | • | • | Contributed in 2016 |
| 9. | Prof. Dr. Allah Bakhsh (Pakistan), Provisional Member | 2015 | - | | - | • | Paper contributed in 2016 |
| 10. | Ir. Adang Saf Ahmad (Indonesia), Provisional Member | 2015 | | | - | | Accepted as Provisional Member |
| 11. | Dr. P. Soman (Direct Member), Provisional Member of JISL | 2015 | | | - | | Accepted as Provisional Member |
| 12. | Secretary General, ICID | | | | | | |
| Permanent Observers | | | | | | | |
| 1. | FAO representative | | | | | | |
| 2. | Mr. Herbert H. Van Lier, CIGR | | | | | | |
| 3. | Prof. D. Wrachien (Italy) | | | | | | |
| 4. | ICRISAT representative | | | | | | |
| Observer | | | | | | | |
| 1. | Mr. Syaiful Mahdi (Indonesia) | 2015 | | | • | | Accepted as an Observer |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|-------------------|---------|--|
| 1. | Dr. Nader Heydari | Iran | Recommended by Chair, subject to his presence or/else Provisional Member |
| 2. | Dr. Wu Di (China) | China | Recommended by Chair, subject to his presence or/else Provisional Member |



**AGENDA FOR 21ST MEETING OF THE
WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**

9 November 2016, 13.30-15.00 hours (Session I)
9 November 2016, 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: On-Farm

Presented by the Chair

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.

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

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

1. During the 2015 International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office in order to monitor the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and continue their membership. WG may please take note. The Chairman may like to present report on the actions taken on the various decisions/ proposals of the working group since Montpellier Meeting in 2015.

WG-PQW Agenda Item 2: ICID Action Plan 2030 – Activities for use of poor quality water for irrigation

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plans, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 towards identifying actions to achieve the Organizational Goals in their area of activities which would in turn form a part of ICID Action Plan for Vision 2030.

3. Since there is no response received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**). The group will discuss the draft activity plan and finalize it during the Chiang Mai meeting (2016) and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. The members may deliberate.

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

4. At Montpellier meeting (2015), the group noted that the following papers have been received: (a) "Impact of Irrigation by saline water on soil and crop production" by Dr. Anna Tedeschi (Italy); (b) "Impact of tsunami on farmland and the progress of rehabilitation after the great Japan earthquake" by Dr. Takanori Nagano (Japan). In June 2016, the Central Office requested Dr. Biswas, Dr. Vincent, and Prof. Rensburg to prepare and provide their papers towards publishing a Technical Paper of the WG. Chair may like to provide further updates on the technical paper.

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

5. In July 2016, VPH Dr. R. Ragab (UK) circulated a paper titled "Modeling Soil Salinity in Greenhouse Cultivations under a Changing Climate with SALTMED: Model Modification and Application in Timpaki, Crete" and requested members to register themselves to the SALTMED Forum for the benefit of gaining knowledge.

6. In December 2015, Central Office circulated the United Nations World Water Development (WWDR) Report 2015 titled "Wastewater is Resource Water" and requested Chair and members of the group to review the Chapter 7 on Agriculture, as the subject is within the purview of the WG mandate and provide their comments on the storyline and contents. In June 2016, Central Office requested members to provide interesting articles/ presentations/ documents/ reports to ICID Central Office for its posting on the group's website. The Chair and members may apprise the WG.

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

7. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-PQW Agenda Item 6: Country presentations by members

9. At Montpellier meeting, interesting presentations were made by the representatives from China, Egypt, Japan, and South Africa. In August 2016, Central Office requested members to get in touch with the Chair well in advance for making their presentations at the Chiang Mai meeting. In response, VP Dr. Ding Kunlun has informed that Dr. Wu Wenyong (China) will attend the meeting (on behalf of him) and make presentation on “Review and Perspective of Brackish Irrigation in China” at the meeting. The Chair may apprise the WG.

WG-PQW Agenda Item 7: Closure report and Scoping Document (mandate) of the new Working Group

10. At Montpellier meeting (2015), it was suggested that the closure report will be prepared and presented during the Thailand meeting in 2016 and for this purpose it was proposed to prepare a Scoping Document to carry forward the agenda with a new mandate. In June 2016, Central Office requested Chair to prepare a Scoping Document in cooperation with the WG members for setting up a new WG, for its submission to PCTA/ IEC for approval in November 2016 in Chiang Mai, Thailand.

11. Chair VPH Dr. Samia El-Guindy will present the Scoping Document at the Chiang Mai meeting for discussion among WG members and its finalisation. The consensus scope would be presented by the Chair of the group to PCTA in its meeting on 11 November 2016 for approval by the IEC. Present membership of the WG is available at **Annex 2** for information.

WG-PQW Agenda Item 8: Any other business

Guideline for reclaimed water irrigation

12. In August 2016, Dr. Wu Wenyong (China) suggested to include the topic “Guidelines for reclaimed water irrigation” in the scope of the working group and future activities.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Samia El-Guindy (Chair) and Dr. Anna Tedeshi (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|---|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | | | | | |
| | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | Presentations | | | | | | |
| | Case studies | | | | | | |
| | Lessons Learned | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Publication | Publication | Technical Report | | | | |
| | | | | | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 International conference/ workshop/ seminar | Workshop Proceedings | Workshop | | Workshop | | |
| | | | | | | | |
| | | | | | | | |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|------------------------------|------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 Dialog with water users and Civil Society | | Milestone 1 | Milestone 2 Round table discussions | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 More Cooperation with young Professionals | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | Training Workshop | Training Workshop | Organize Training Workshop | | Organize Training Workshop | | |
| | | | | | | | |

Attendance of Members at 2014 and 2015 Meetings

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|---------|---|-------------|------|---------------------|------|---------------------|---|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | VPH Dr. Samia El-Guindy, Chair, 2011 (Egypt) | 1999 | • | | • | • | |
| 2. | Dr. Anna Tedeshi, Secretary (Italy) | 2011 | | • | | | |
| 3. | VPH Dr. R. Ragab (UK) | 1997 | | • | | • | |
| 4. | VPH Dr. Karim Shiasi (Iran) | 1997 | | | • | | |
| 5. | Prof. Leon van Rensburg (South Africa) | 2010 | | | • | | |
| 6. | Dr. Takanori Nagano (Japan) | 2011 | • | | • | | |
| 7. | VP Dr. Ding Kunlun (China) | 2012 | | | • | | |
| 8. | Dr. Tapas Kumar Biswas (Australia) | 2012 | | • | | • | |
| 9. | Dr. S.K. Deshmukh – Direct Member, JISL (India) | 2015 | | | | | Accepted as Provisional Member in 2015. Discontinue since quit JISL . |
| | Permanent Observers | | | | | | |
| (i) | FAO representative | | | | | | |
| (ii) | ICBA representative (UAE) | | | | | | |



**AGENDA FOR 1ST MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

10 November 2016, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

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

Website: <http://wg-on-farm.icidonline.org/>

WG-SON-FARM Agenda Item 1: Action taken report by Chair

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-SON-FARM Agenda Item 2: ICID Action Plan 2030 – Activities on sustainable on-farm irrigation

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. WG discussed and developed actions to be implemented by the WG during the Montpellier meeting in 2015 (**Annex 1**). Since there is no response was received from the WG, the Central Office has prepared a draft activity plan of the group (**Annex 2**) in consultation with WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

4. As per the work plan prepared by the WG, it was proposed to prepare country paper, how-to-do thematic document and position papers on key issues. WG Chair is requested to apprise members about the way forward and further progress in the matter. It is also suggested that WG may finalize the contents outline for the country overview papers, how-to-do thematic document and position papers proposed to be prepare and finalize by the WG.

WG-SON-FARM Agenda Item 3: Collection and collation of micro and sprinkler data

5. A simplified version of the questionnaire “Survey of World-wide Usage of Sprinkler and Micro Irrigation” was circulated to all National Committees in 2007 (**Annex 3**). The WG is requested to review the questionnaire and make modifications as necessary and finalise the questionnaire for circulating to all NCs.

6. After the Montpellier meeting, the Central Office has followed up with the National Committees to update the datasheets pertaining to micro and sprinkler area. In response, the updated data were received from the National Committees of Estonia, Iraq, Japan, and Spain. The updated table of total micro and sprinkler area in descending order is available at <http://www.icid.org/ar_2015.pdf>. Members are requested to provide latest information in respect of their countries every year.

WG-SON-FARM Agenda Item 4: Proposals for 9th International Micro Irrigation Conference

7. At Montpellier meeting, International Executive Council (IEC) approved vide Resolution IEC-3/66 the proposal for renaming Micro Irrigation Symposium to Micro Irrigation Conference and also approved in-principle the proposal of the Indian National Committee on Surface Water (INCSW) for organizing 9th International Micro Irrigation Conference (IMIC) in 2019 or 2020. In August 2016, Central Office requested INCSW to make presentation highlighting the latest development/ progress before the IEC as well as in the Committee on Congresses/Conferences (C-CONGR) and in the Permanent Finance Committee (PFC) meeting (*about the financial aspects like registration fee etc.*). INCSW representative will provide further progress of IMIC at the WG meeting.

WG-SON-FARM Agenda Item 5: Publications of the working group

WG-SON-FARM Agenda Item 5.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”

8. At Montpellier, it was agreed that the article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control Measuring and Application Devices” would be finalized and submitted soon. In May 2016, the Central Office followed-up matter with the WG Chair. VPH Felix Reinders, WG Chair is requested to apprise further status on finalization of the article during the meeting.

WG-SON-FARM Agenda Item 5.2: Paper on “Micro irrigation for smallholders and greenhouses”

9. During Montpellier meeting, the group agreed that the report on “Micro irrigation for smallholders and greenhouses” provided by Prof. Yoshisuke Nakano (Japan) would be reviewed and finalized by the end of 2015 for publication. In May 2016, the Central Office followed-up matter with the WG Chair. VPH Felix Reinders, WG Chair is requested to apprise further status on finalization of the article during the meeting.

WG-SON-FARM Agenda Item 6: Dissemination of activities of WG – Website of the group

10. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments, methods and innovative on-farm management practices. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

WG-SON-FARM Agenda Item 7: Updating Multilingual Technical Dictionary (MTD)

11. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

12. Since PCTA would require a feedback from each of the WGs as to how they plan to review / update the terms that fall within their respective scope of activities, the group will discuss this issue and nominate a suitable expert as a nodal person for reviewing the terms related to the activities of the group. To achieve this goal, it is proposed that WG undertake review of the concerned terms depending on their domain of expertise suggesting changes / modification and addition of new terms, along with contributing pictures, links and videos related to respective term. In May 2016, Central Office requested members to review the terms of MTD related to activities of the WG and provide their contributions towards updating/ modifications of the MTD in consultation with the Chair/ Secretary of the group. Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 8: Presentation by the working group members

13. At the Montpellier meeting, it was proposed that Mr. Carl Walters (Australia), as an expert in the field of flood based irrigation systems, will make a presentation on the technologies that are in use in Australia in the next meeting of the WG in 2016. Similarly, it was also proposed that Dr. Abraham Mehari Haile (The Netherlands) will make a presentation in 2016. Accordingly, Central Office requested Dr. Haile and Mr. Carl Walters in May 2016 for making presentation at the Chiang Mai meeting. In response, Mr. Carl Walters (Australia) has confirmed that he will make presentation on the technologies and adoption in Australia at Chiang Mai meeting.

WG-SON-FARM Agenda Item 9: Closure report of the working group

14. During Montpellier meeting of the WG, it was agreed that WG will prepare a closure report of the WG highlighting activities of the WG and how objective and mandate of the WG have been achieved including conclusions, recommendations and way forward. In this connection, ICID CO shared a brief outline format for preparation of closure report in May 2016. WG Chair will apprise members of the further updates and WG will submit finalized closure report to ICID CO after discussion in the meeting of the WG.

WG-SON-FARM Agenda Item 10: Review of the membership of the working group

15. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

16. National Committees were informed about the re-establishment of WG-SON-FARM vide notification no.11 of 2016 dated 4 March 2016 and nominations were invited from them. In response, nominations have been received from the National Committees of China, India, Korea, Sri Lanka, and South Africa.

17. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 4** (see the electronic version for the latest list). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

18. **Election:** During the Montpellier meeting, it was recommended that the WG will elect a new Chair, Vice Chair and Secretary during the Chiang Mai meeting. In September 2016, SANCID has informed that VPH Felix Reinders would like to retire from the WG.

WG-SON-FARM Agenda Item 11: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

Work plan of the group

| Activity | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Actors |
|---|------|------|------|------|------|------|---|
| Mailing of draft Scoping Document to members of the drafting team, former members of the Working Group On-Farm, Central Office and selected individuals | | | | | | | Convener |
| Comments on Updated Scoping Document received | | | | | | | All consulted individuals |
| Scoping document finalized and sent to all who contributed to the drafting | | | | | | | Convener |
| Invitation to National Committees for nominations and information | | | | | | | Central Office |
| Submission of nominations & information | | | | | | | National Committees facilitated by Central office |
| 1st Meeting Montpellier - scoping document and work plan discussed, modified as necessary, and adopted | | | | | | | Members and Permanent Observers |
| Exchange of information, knowledge, experience, networking | | | | | | | Members and Permanent Observers |
| Support the Central Office with updating of the data base on (micro) irrigation systems | | | | | | | Members and Permanent Observers |
| Prepare country overview papers (one square represents one paper) | | | | | | | Some members |
| How-To-Do Thematic documents ready (one square represents one document) | | | | | | | Some members |
| Organize international workshop, seminar or symposium | | | | | | | Some Members |

| Activity | 2014 | | | 2015 | | | 2016 | | | 2017 | | | 2018 | | | 2019 | | | Actors |
|--|------|--|--|------|--|--|------|--|--|------|--|--|------|--|--|------|--|--|---|
| 2nd Meeting in Chenmai Including workshop. among other presentations, two country overview papers and two How-to-Do thematic documents discussed | | | | | | | | | | | | | | | | | | | Members and Permanent Observers |
| Prepare one overview paper and two research articles on state of the art for publication in <i>IRD</i> . | | | | | | | | | | | | | | | | | | | Some members |
| Draft Position paper on key issues on sustainable on-farm irrigation systems disseminated among members and permanent observers | | | | | | | | | | | | | | | | | | | Chairperson, Vice-Chair and Secretary |
| 3rd Meeting in Mexico, including Workshop. Draft position paper along with two country overview papers, two How-To-Do Thematic documents and other papers discussed | | | | | | | | | | | | | | | | | | | Members and Permanent Observers |
| Position paper finalized - application for best performing Working Group submitted to Central Office | | | | | | | | | | | | | | | | | | | Chairperson, Vice-Chair and Secretary with input from members |
| 4th meeting (Place not yet known) - one country overview paper and one How-To-Do thematic documents are presented. The renewal of the WG and its focus for the period 2019 to 2024 is discussed. Convener and members to draft scoping document nominated. | | | | | | | | | | | | | | | | | | | Members and Permanent Observers |
| 5th meeting (place not yet known) - one country overview paper and one How-To-Do thematic document presented, Scoping document discussed, modified as necessary and adopted. New WG leadership assigned for 2020 to 2025 | | | | | | | | | | | | | | | | | | | Members and Permanent Observers |

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Felix B. Reinders (Chair), VPH Peter Kovalenko (Vice Chair), Dr. A.K. Randev (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|----------------------------|-------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | 1.1 Prepare country overview papers | Papers | Prepare two country overview papers | Prepare one country overview paper | Prepare two country overview papers | | |
| | | | | | | | |
| | 1.2 Prepare how to do thematic documents ready | Document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document |
| | | | | | | | |
| | 1.3 Draft Position paper on key issues on sustainable on-farm irrigation systems | Position paper | Prepare first draft paper | Finalize the position paper | Prepare second draft paper | Finalize the position paper | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | WG Activity 2.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize international workshop, seminar or symposium | Compilation of proceedings | First Workshop | | Second workshop | | Third workshop |

| | | | | | | | |
|--|---|----------|---------------------|------------------------|---------------------|------------------------|---------------------|
| | 3.2 Research article on state of the art for publication in Irrigation and Drainage Journal | Articles | Prepare one article | Publication in Journal | Prepare one article | Publication in Journal | Prepare one article |
| | | | | | | | |
| | 3.4 Database on sprinkler and micro irrigation in the world | Database | Updating database | Updating database | Updating database | Updating database | Updating database |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |

**QUESTIONNAIRE
(Revised Version)**

WORLDWIDE USAGE OF MICRO & SPRINKLER IRRIGATION

Working Group on Sustainable On- Farm Irrigation System Development (WG-SON-FARM)

TERMINOLOGY

- (a) **MIS:** Micro Irrigation systems
- (b) **SIS:** Sprinkler irrigation systems
- (c) **Microirrigation:** includes Drip/Trickle irrigation (2-24 lph), Micro-sprayer (20-150 lph) and Mini/Micro Sprinkler (35-250 lph)

1. GENERAL

- 1.1. Country _____
- 1.2. Name(s) and contact details of the person(s) completing this questionnaire: _____
- 1.3. Total net irrigated area _____ Mha (year _____)
- 1.4. Source wise irrigated land under various irrigation methods. (year _____)

| Irrigation Method | Surface water (%) | Groundwater (%) |
|---------------------------------|-------------------|-----------------|
| Surface (Basin, furrow, border) | | |
| Sprinkler | | |
| Micro irrigation | | |

2. DEVELOPMENTS

- 2.1. Growth of area under Sprinkler Irrigation Systems (SIS) & Micro Irrigation Systems (MIS)

| Year | Sprinkler (ha) | Micro irrigation(ha) | Remarks, if any |
|------|----------------|----------------------|-----------------|
| 1980 | | | |
| 1985 | | | |
| 1990 | | | |
| 1995 | | | |
| 2000 | | | |
| 2005 | | | |

2.2. Types of sprinkler and micro irrigation systems used in your country (year____)

| A | SPRINKLER IRRIGATION | Area (ha) |
|----------|---|------------------|
| 1 | Set systems: | |
| 1.1 | <i>Fixed systems:</i> (solid set systems) | |
| 1.2 | <i>Periodic-move systems</i> (systems moved between irrigations) | |
| | Hand-move (fully and semi-portable), | |
| | Mechanized move -End tow, Side roll laterals and Boom sprinklers. | |
| 2. | Continuous-move systems (irrigation machines): the sprinklers operate while moving in either a circular or a straight path (i.e., travelling guns, enrouleurs, Center pivot, Linear move systems, LEPA, etc.) | |
| B | MICRO IRRIGATION (micro sprinkler, drip, etc.) | |
| 1. | Drip irrigation | |
| 2. | Subsurface drip irrigation(SSD) | |
| 3. | Micro & mini sprinkler and bubbler, etc. | |
| 4. | Bucket/Drum kit (Low cost-small holder systems) | |

2.3. Major crops (top ten) irrigated in your country under sprinkler and micro irrigation (year____)

| | Crop | Sprinkler (ha) | Micro irrigation (ha) |
|-----|-------------|-----------------------|------------------------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

- 2.4. Water saving and yield increase for most common sprinkler and micro irrigated crops compared to previous methods.

| Crop | Current method | Water savings % | Increase in yield% | Old method |
|------|----------------|-----------------|--------------------|-------------|
| 1. | SIS/MIS | | | SIS/surface |
| 2. | SIS/MIS | | | SIS/surface |
| 3. | SIS/MIS | | | SIS/surface |
| 4. | SIS/MIS | | | SIS/surface |
| 5. | SIS/MIS | | | SIS/surface |

- 2.5. Micro irrigation and greenhouses (year _____)

| | |
|---|--|
| Total area under greenhouses (ha) | |
| Area irrigated by micro irrigation in green houses (ha) | |

- 2.6. Sizes of sprinkler and micro irrigated farms

| | Sprinkler | Micro irrigation |
|---------------------------|-----------|------------------|
| Large farm size (range) | ...ha | ...ha |
| Small farm size (range) | ...ha | ...ha |
| Average farm size (range) | ...ha | ...ha |

- 2.7. Who designs and installs sprinkler and micro irrigation systems for farmers? (Please check)

| Agency/Institution | Sprinkler | | Micro irrigation | |
|---|-----------|---------|------------------|---------|
| | Design | Instal. | Design | Instal. |
| Government agency (extension agency/ irrigation advisory services/university) | | | | |
| Representatives/authorised dealers or technicians of manufacturers | | | | |
| Private Consulting firms/engineers | | | | |
| Farmers themselves | | | | |
| <i>Other (specify):</i> | | | | |

2.8. Subsidies for sprinkler and micro irrigation systems (year_____)

| Particulars | SIS | | MIS | |
|--|-----|----|-----|----|
| | YES | NO | YES | NO |
| Is there subsidy available for the purchase of SIS & MIS | | | | |
| If YES who gives the subsidy? | | | | |
| ▪ Federal/Central government | | | | |
| ▪ State/Province government | | | | |
| ▪ Manufacturers/distributors | | | | |
| ▪ Farmers co-operatives | | | | |
| ▪ Voluntary organisation | | | | |
| If YES what's the amount in US\$/ha? | | | | |
| Details on the subsidy structure adopted for SIS & MIS in your country | | | | |

2.9 please provide information on typical or average range of initial capital cost for SIS & MIS in your country (year_____)

| Type of crop | Spacing RxP (MxM) | Type of SIS | Type of MIS | Cost US \$ / ha | Actual * | Subsidized * |
|----------------|-------------------|-------------|-------------|-----------------|----------|--------------|
| Trees/Orchards | | | | | | |
| | | | | | | |
| Grapevine | | | | | | |
| | | | | | | |
| Vegetables | | | | | | |
| | | | | | | |
| Flowers | | | | | | |
| | | | | | | |

2.30 Please provide feedback on the problems faced and lessons learned in adoption of SIS/MIS in your country, in respect of following;

(Please elaborate – in addition to above stated information)

- Planning, design and installation
- Availability of suitable pumpsets and system components
- Investment cost of the system
- Providing subsidy to the farmers
- Quality of various components
- Testing of equipments
- Water availability and quality
- Energy supply
- Operation and maintenance (O&M) aspects
- Scheduling of SIS/MIS
- Fertigation
- Chemigation
- Automation of SIS/MIS
- After sale services by manufacturers
- Damage from rodents, squirrels, insects, etc.
- Extension advisory services for farmers, especially for SIS/MIS
- Training of professionals, technicians and farmers
- Other:



A. Membership of the group

| Sl. No. | Members | Member from (Year) | Remarks |
|----------------------------|---|--------------------|--------------------------------|
| 1. | VPH Felix B. Reinders, Chairman (South Africa) | 2015 | |
| 2. | VPH Prof. Peter Kovalenko, Vice Chairman (Ukraine) | 2015 | |
| 3. | Dr. A.K. Randev, Secretary (India) | 2015 | |
| 4. | VPH Dr. J.A. Ortiz (Spain) | 2015 | |
| 5. | Dr. Graziano Ghinassi (Italy) | 2015 | |
| 6. | Mr. Hassan Shantia (Iran) | 2015 | |
| 7. | Dr. Abraham Mehari Haile (The Netherlands) | 2015 | |
| 8. | Mr. Mohd Yazid bin Abdullah (Malaysia) | 2015 | |
| 9. | Dr. Akira Iwamoto (Japan) | 2015 | |
| 10. | Dr. Chen, Ching-Tien (Chinese Taipei) | 2015 | |
| 11. | Mr. Suman Sijapati (Nepal) | 2015 | |
| 12. | Dr. Dickson Ahagbuje (Nigeria) | 2015 | |
| 13. | Mr. Bashu Dev Lohanee (Nepal) | 2015 | |
| 14. | Dr. Hossein Dehghanisani (Iran) | 2015 | |
| 15. | Mr. Carl Walters (Australia) | 2015 | |
| 16. | Mr. Muhammad Tahir Anwar (Pakistan) | 2015 | Accepted as Provisional Member |
| 17. | Mr. M.S. Sudhakar – Direct Member, Jain Irrigation Systems Limited – JISL (India) | 2015 | Accepted as Provisional Member |
| 18. | Mr. S.P. Jadhav – Direct Member, JISL (India) | 2015 | Accepted as Provisional Member |
| 19. | Mr. Abijit Joshi – Direct Member, JISL (India) | 2015 | Accepted as Provisional Member |
| 20. | Secretary General, ICID | | |
| Permanent observers | | | |
| (i) | Dr. Jano Anter (Germany) | | |
| (ii) | Mr. Bruno Molle (ISO) | | |
| (iii) | FAO Representative | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|--|----------------|---|
| (1) | Mr. Yao Bin | China | Recommended, subject to his presence or else Provisional Member |
| (2) | Dr. Zhang Guohua as Young Professional | China | Recommended, subject to his presence or else Provisional Member |
| (3) | Mr. Sher Singh as Observer | India | Recommended, subject to his presence or else Provisional Observer |
| (4) | Prof. Chang Eon Park | Korea, Rep. of | Recommended, subject to his presence or else Provisional Member |
| (5) | Eng. S. Mohanarajah | Sri Lanka | Recommended, subject to his presence or else Provisional Member |
| (6) | Mr. Siboniso Phillip Mkhali in place of VPH Felix Reinders | South Africa | Recommended, subject to his presence or else Provisional Member |



**AGENDA FOR 19TH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)**

10 November 2016, 13.30-15.00 hours (Session I)
10 November 2016, 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1998

Extended the completion of the Mandate: 2016

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

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

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

During the last International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office in order to monitor the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and continue their membership. WG may please take note. The Chairman may like to present report on the actions taken on the various decisions/ proposals of the working group since Montpellier Meeting in 2015. As Dr. Bert Toussaint, the WG's, Secretary from The Netherlands has resigned, a new secretary must be elected.

WG-HIST Agenda Item 2: ICID Action Plan 2030 – Activities on history of irrigation, drainage and flood control

1. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plans, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 towards identifying actions to achieve the Organizational Goals in their area of activities which would in turn form a part of ICID Action Plan for Vision 2030.

2. The Central Office and chairman have prepared a draft action plan for the group (**Annex 1**). The group will discuss the draft activity plan and finalize it during the Chiang Mai meeting (2016) and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. The members may deliberate.

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

3. At Montpellier meeting (2015), the WG noted that 15 chapters have been received and most chapters have been reviewed by the Chairman. The Chairman Dr. Emami has also informed that he has done tentative editing of the chapters of "Historical Water Sustainability" and hoped that members would finish their editing by end of Oct. 2016. He also informed that an English editor needs to be identified to review all the chapters and anticipated that WG members (English speaking countries) may help in further editing the book. Chair may like to provide further updates on the publication at the meeting.

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

4. In May 2016, VPH Laszlo Hayde (The Netherlands) informed that they are working on a project proposal on the links between cultural heritage and water management titled "*Promoting the Symbiosis of Cultural Heritage and Ecosystem services*" (PSYCHE). In order to further enrich the website of the WG, members are requested to provide interesting articles/ presentations/ documents/ reports to ICID Central Office for its posting on the group's

website. Members may like to discuss and evolve methodology for sharing of information and updating of WG website. The Chairman may apprise the WG members.

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

5. ICID has been working on the history of irrigation and drainage for the last 30 years through its Working Group on History and has associated experts on the subject from around the world through its National Committees and has also initiated program for recognition of Historical Irrigation Structures (HIS) throughout the world. So far, Twenty-five Historical Irrigation Structures (HIS) from China, Japan, Pakistan, Sri Lanka and Thailand have been recognized in the register of HIS. Recognizing that wisdom of humanity is worth protecting and preserving as heritage that has ability to lead us towards better water management; with a view to conserve and manage these heritages to the benefit of present and future generations, a World Water Heritage System (WSH) program has also been developed in collaboration with WWC.

6. The 58th meeting of the Board of Governors (BoG) of the World Water Council (WWC), held in March 2016, in principle approved the World Water System Heritage (WSH) Program, which would be launched at the 20th Anniversary function of WWC in Marseilles (France) in November 2016, as a member initiative on part of ICID in collaboration with other WWC members. The aim of WSH program is to identify and preserve the people-centered water management systems, organizations, regimes and rules as intangible water heritage considered to be of outstanding value to humanity that created coexistent social systems for humanity and sound environment and giving them recognition. The objectives of the program are to: (i) Gain/learn lessons from water heritage systems, (ii) Disseminate the age-old wisdom gathered through them, (iii) Extract new ideas from the wisdom aggregated from the past, and (iv) Adapt the knowledge suitably in the present context. More information on HIS is available at http://www.icid.org/icid_his.html and WSH at http://www.icid.org/wsh_icid.html. This is for information but the WG may consider planning a seminar on World Water System Heritage in the next congress in Mexico City.

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

7. At Montpellier meeting (2015), it was suggested that the closure report will be prepared and presented during the meeting at Chiang Mai in 2016. Chair Dr. Emami has also informed that he will present the Scoping Document (SD) at the Chiang Mai meeting for discussion among WG members and its finalization. The SD with its new mandate would then be presented by the Chair to PCTA in its meeting on 11 November 2016 for approval by the IEC. Members may deliberate and finalize the SD and New Mandate of the WG. Present membership of the WG is at **Annex 2** for information.

WG-HIST Agenda Item 7: Report on Side Event on History of irrigation and drainage around the world, November 2016, Chiang Mai

8. At Montpellier meeting (2015), the WG recommended to organize a History Workshop in Chiang Mai in November 2016. However, International Steering Committee of WIF2 recommended that as part of 2nd World Irrigation Forum (WIF2), a Side Event/exhibition on '*History of Irrigation and Drainage around the World*' could be organized wherein various countries and National Committees can be invited to participate through posters, films and exhibits etc.

9. Accordingly, a Side Event on the 'History of Irrigation and Drainage around the World' will be organized during WIF2 on 08 November 2016. Since Chinese National Committee (CNCID) has been active in producing films regarding HIS and has an excellent Water Museum in Hangzhou, PH Dr Gao Zhanyi (China) has agreed to coordinate this Side Event/Exhibition at Chiang Mai. Chair Dr. Emami would be speaking on "Historical Water Sustainability in Iran" during the SE besides presentations from Japan, Thailand, and China.

10. As far the history exhibition, the National Committees have been invited to showcase the history of Irrigation and Drainage in their countries by presenting a poster or two each. The past winners of HIS have been specially invited to present their Heritage Irrigation Structures. The Chair may present a brief report of the side event and exhibition on history.

WG-HIST Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Kamran Emami (Chair), Dr. Bert Toussaint (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|---|------------------------------|---|--|--|--|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Publication | Publication | Finalize the publication on Historical Water Sustainability | Compile lessons learned from HIS/WSH | | Compile lessons learned from HIS/WSH | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 International conference/ workshop/ seminar | Workshop Proceedings | Workshop/seminar | | Workshop/seminar | | |
| | 3.2 Historical Irrigation Structures (HIS) | Register of HIS | Nomination/evaluation /update register | Nomination/evaluation /update register | Nomination/evaluation /update register; Exhibition at WIF3 | Nomination/evaluation /update register | Milestone 5 |
| | 3.3 World Water System Heritage (WSH) Program | | Nomination/evaluation /update register | Nomination/evaluation /update register | Nomination/evaluation /update register, Exhibition at | Nomination/evaluation /update register | Milestone 5 |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|---|--|---|------------------------------------|------------------------------------|------------------------------------|
| | | | | | WIF3 | | |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 4.1 International conference/ workshop/ seminar 4.2 Producing documentary on “Historical Water Wisdom”. | Workshop Proceedings Documentary | Milestone 1 Workshop of World System Heritage (WSH) in the next ICID congress | Milestone 2 Workshop to be determined | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 5.1 Preparing a paper on combination of old methods and new technologies | | Milestone 1 Presenting the first paper in the WG workshop and other seminars | Milestone 2 Presenting the second paper in the WG workshop and other seminars | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 6.1 Producing documentary on “Historical Water Wisdom”. 6.2 Updating the WG-HIST website | | Milestone 1 Tentative gathering of the related documentaries from the member countries | Milestone 2 Finalizing the documentary on “Historical Water Wisdom”. | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |

Members and their attendance at 2014 and 2015 Meetings

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|----------------------------|---|-------------|------|---------------------|------|---------------------|---------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Dr. Kamran Emami, Chairman (Iran) | 2009 | • | • | • | | |
| 2. | Dr. Bert Toussaint, Secretary (The Netherlands) | 2005 | • | | • | | |
| 3. | Prof. Dr. N. Hatcho (Japan) | 1996 | • | • | • | | |
| 4. | Mrs. Xuming Tan (China) | 1997 | • | | • | | |
| 5. | VPH Dr. Laszlo Hayde (Hungary) | 2001 | • | • | • | | |
| 6. | VPH Dr. A. Hafied A. Gany (Indonesia) | 2005 | • | • | • | | |
| 7. | Mr. Charles L. Abernethy (UK) | 2005 | | • | • | | |
| 8. | Prof. Jaekyoung Noh (Republic of Korea) | 2014 | • | | | | |
| 9. | VPH Chaiwat Prechawit (Thailand) | 2014 | | • | • | | |
| 10. | Engr. Sirika Ahmad Abubakar (Nigeria) | 2014 | • | | • | | |
| 11. | Mr. Antonio Linoli (Italy) | 2014 | | • | | | |
| 12. | VPH Gerhard Backeberg (South Africa) | 2015 | | | • | • | |
| 13. | Prof. Dr. Abdul Sattar Shakir (Pakistan) | 2015 | | | | • | |
| 14. | Secretary General, ICID | | | | | | |
| Permanent observers | | | | | | | |
| (i) | Dr. (Mrs.) B. Dolfing (The Netherlands) | | | | | | |
| (ii) | Dr. Ir. M. Ertsen (IWHA) | | | | | | |
| (iii) | Dr. Ing. Klaus Rottcher, 2015 (Germany) | 2006 | • | • | | | |



**AGENDA FOR 1ST MEETING OF THE
WORKING GROUP ON CAPACITY DEVELOPMENT,
TRAINING AND EDUCATION (WG-CDTE)**

10 November 2016, 13.30-15.00 hours (Session I)

10 November 2016, 15.30-17.00 hours (Session II)

Chiang Mai, Thailand

Strategy Theme: Schemes

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

Mandate: (i) Coordinate and guide the knowledge management activities of the Commission and the capacity development activities by various WGs; (ii) Compile the status of training and educational programmes offered in different regions; (iii) Compile the Educational Programs being offered in irrigation and drainage in different regions; (iv) Identify the training and education requirements, and identify gaps in available training programs, explore the feasibility of developing e-learning program and prepare guidelines for their development to support education and training programmes; (v) Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; (vi) Make available various tools required for sustainable development; (vii) Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and (viii) Facilitate the process of balancing education and training requirements, and provision and training services.

WG-CDTE Agenda Item 1: Introduction and rationale of the new working group

1. As per decision of the Council at its 66th International Executive Council (IEC) held in 2015 (Resolution IEC-3/66) ICID vide notification 6 of 2016 dated 4 March 2016 notified establishment of a new Working Group on Capacity Development, Training and Education (WG-CDTE) under the thematic area “Schemes”. NCs were requested to nominate experts dealing with the concerned topics and contribute to the activities of the Group. WG Chair may apprise members of the background of setting up of the WG and members will discuss actions to be undertaken by the WG to fulfill its mandate.

2. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note.

WG-CDTE Agenda Item 2: ICID Action Plan 2030 – Activities on capacity development, training and education

3. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

4. Since no response was received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-CDTE Agenda Item 3: Promoting capacity development, training and education

WG-CDTE Agenda Item 3.1: Setting up of Technical Support Unit (TSU)

5. At the 66th IEC meeting held at Montpellier in October 2015, the Council approved the setting up of a Technical Support Unit (TSU) in ICID Central Office vide IEC Resolution 3/66 keeping in view the need of capacity building, education and awareness of technical staff working in the field of agriculture water management. The objective is to “Undertake capacity development activities in the field of agriculture water management (AWM) in support of rural development”. The scope of work of TSU are : Coordinate capacity

development programs of ICID; To liaise in developing a knowledge base in AWM with the help of ICID working groups, partner institutions and member countries; To support the member countries in – (i) general assessment of gaps in AWM capacities within the countries and suggest possible solutions; (ii) developing feasibility reports for small and medium irrigation, drainage and flood management proposal; (iii) training assessment needs; and (iv) undertaking capacity development programmes. ICID notified establishment of the TSU vide notification 1 of 2016 dated 4 January 2016. Since mandate of the WG include overseeing the functioning of a Technical Support Unit for supporting NCs, WG will discuss the activities to be undertaken by TSU and how TSU can support WG in fulfilling its mandate and vice versa.

WG-CDTE Agenda Item 3.2: Capacity development – Training program on on-farm water use and management, April 2016, Egypt

6. The African Regional Working Group (AFRWG) at its 26th meeting held on 13 October 2015 at Montpellier, identified lack of capacity development especially among young professionals as one of the critical issues and accordingly finalized a dynamic Capacity Building Strategy (CBS) for Africa in 2015. As a step to implement CBS, ICID with the support of the Egyptian National Committee on Irrigation and Drainage (ENCID) and in coordination with the Regional Center for Training and Water Studies (RCTWS) organized first short training programme on “On-farm Water Use and Management” for participants from African countries from 18-24 April 2016 with the aim of building the capacity of the engineers and practitioners in the areas of water resources management, irrigation and drainage. The course was designed to give the candidates opportunity to obtain knowledge and experience in the different related subjects dealing with irrigation and drainage. The program was especially designed to cover various aspects on water use and management such as precise irrigation and drainage at the farm level, advanced irrigation technologies for enhancing water use efficiency, potential of wastewater use in Agriculture, application of remote sensing and GIS in water management, etc. A total 21 participants from 15 countries (Burkina Faso, Egypt, Iran, Kenya, Malawi, Mauritius, Morocco, Nigeria, Somalia, South Africa, Sudan, Uganda, Tanzania, Tunisia, and Zambia) participated in the training programme. The training was successfully organized with financial support from African- Asian Rural Development Organization (AARDO), Ministry of Water Resources China through CNCID and Korean Rural Corporation (KRC) through Korean National Committee on Irrigation and Drainage (KCID).

7. Since capacity development will play a significant role towards sustainable development to alleviate poverty and hunger, the group will deliberate on the topics which need to be covered under capacity development programme and also suggest probable institutes that can organize such short term capacity development programmes keeping in view the regional needs and balance.

WG-CDTE Agenda Item 3.3: E-learning programmes

8. ICID encourages use of e-Learning tool to train the non-technical volunteers who work at the grass root level with farmers to meet the technological requirements. In order to achieve this objective, ICID always encourages/ supports professionals from member NCs to join the e-Learning programmes organized by various partners. Recently, ICID provided course fee support to 12 YPs from developing countries to join the Unesco-IHE and United Nations University Institute for the Integrated Management of Material Fluxes and Resources (UNU-FLORES) organized courses.

9. ICID Central Office in cooperation with Indian National Committee (INCSW) has developed a module on ‘Micro irrigation’ and circulated the same amongst the international experts for their comments and inputs. This module will be made available shortly after receiving the inputs from international experts. Central Office will provide further updates at the meeting.

10. Secretary General attended the ground breaking ceremony of the newly established Rural Community-International Education and Exchange Center (RC-IEEC), Korea on 1 September 2015. During the ceremony, ICID was invited to join as partner in organizing small programs on AWM. The Center will start its activities from 2017 onwards. WG will deliberate on the potential areas of partnership.

11. Secretary General visited Asian Institute of Technology (AIT) held at Bangkok in January 2016 and met Dr. Worsok Kanok-Nukulchai and Dr. Mukand Babel and discussed possibilities to organize courses jointly with them. AIT welcomed the offer and collaboration. WG will deliberate and identify the topics and nodal persons to coordinate with AIT.

WG-CDTE Agenda Item 3.4: Webinar/ web-based seminar

12. Webinar/ web-based seminars are organized on web platform using video conferencing. This platform is used to organize workshop, seminar, presentations, etc. Many international organizations are using this platform to disseminate their knowledge. ICID Central Office is in contact with newly established Rural Community-International Education and Exchange Center (RC-IEEC), Korea; Asian Institute of Technology (AIT), Thailand; and Indian Institute of Technology – Roorkee (IIT-R) to start Webinars. Members are requested to explore possibilities to start Webinars to train young professionals and AWM professionals from least developed countries. WG will discuss and identify the topics for the Webinar and also nodal persons to coordinate.

WG-CDTE Agenda Item 4: Dissemination of knowledge – website

13. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the issues related to capacity development in the field of agriculture water management. Members are also requested to undertake development of the WG website with support of ICID Central Office and to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

WG-CDTE Agenda Item 5: Review of membership of the working group

14. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

15. In response to the invitation circulated by the ICID Central Office, nominations are received from the National Committees of Pakistan, Iran and Sudan for the membership of the group.

16. Accordingly, Chairman in consultation with the Central Office have updated membership of the WG as given at **Annex 2** (see the electronic version for the latest list). New nominations, if any, for the membership received during the meeting will be dealt suitably after the meeting.

WG-CDTE Agenda Item 5.1: Election of Vice Chair and Secretary

17. The group will elect a new Vice Chair and Secretary at the meeting.

WG-CDTE Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Dr. Abdelhafid Debbarh (Chairman)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|---|--------------------------------------|--|------------------------------------|---|----------------------------|---|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | WG Activity 2.1 | | | | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Guide and support organization of seminar/workshops etc. by WGs and NCs | Networking and exchange of knowledge | Regular | Regular | Regular | Regular | Regular |
| | | | | | | | |
| | 3.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc. | Study report | Discussion, collection and analysis of information Draft report | Finalisation and release of report | Collection of additional data and information | Updation of report | Collection of additional data and information |
| | 3.3 Report on role of ICT in capacity development | Study report | Discussion, collection and analysis of information Draft report | Finalisation and release of report | Collection of additional data and information | Updation of report | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | | | | | |
| | | | | | | | |

Agenda for the 1st Meeting of WG-CDTE (67th IEC) – (Ver. Dated 2016-10-04)

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|---|--|---|--|--|---|---|
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | 5.1 Overseeing activities of Technical Support Unit (TSU) | Capacity development and technical support to NC | Regular | Regular | Regular | Regular | Regular |
| | 5.2 Compile information of various modelling tools in the field of agriculture water management | Sharing of knowledge and information | Discussion, collection and analysis of information Draft report | Finalisation and release of report Dissemination of modelling tools | Collection of additional data and information and wider dissemination | Collection of additional data and information and wider dissemination | Collection of additional data and information and wider dissemination |
| Goal 6: Facilitate capacity development | 6.1 Establishment of a distance learning mechanism | e-learning modules | Identification of topics and resource person/institutes for development of e-learning modules | Development of e-learning modules and its wider dissemination | Development of e-learning modules and its wider dissemination Identification of additional topic etc. | Development of e-learning modules and its wider dissemination | Development of e-learning modules and its wider dissemination |
| | 6.2 Capacity development/training program | Training of professionals | Organisation of regional training programme one every year | Organisation of regional training programme one every year | Organisation of regional training programme one every year | Organisation of regional training programme one every year | Organisation of regional training programme one every year |
| | 6.3 Webinar | Online meeting | Identification of topics and resource persons/institutes | Development of webinar material and its wider dissemination | Development of webinar material and its wider dissemination | Development of webinar material and its wider dissemination | Development of webinar material and its wider dissemination |
| | 6.4 An online directory of institutes providing formal degree in Irrigation and Drainage | Online course | Collection and analysis of information and its wider dissemination | Updation of information | Updation of information | Updation of information | Updation of information |

A. Members of the group

| Sl. No. | Members | Member from (Year) | Remarks |
|---------|---|--------------------|---------|
| 1. | VP Dr. Abdelhafid Debbarh, Chairman (Morocco) | 2015 | |
| 2. | Dr. Young D. Kim (Korea, Rep. of) | 2015 | |
| 3. | Secretary General, ICID | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|--------------------------------------|----------|---|
| (1) | Mr. Mirza Asif Baig | Pakistan | Recommended by Chair subject to his presence or else Provisional Member |
| (2) | Dr. Nader Heydari | Iran | Recommended by Chair subject to his presence or else Provisional Member |
| (3) | Eng. Abu Obieda Babiker Ahmed Hassan | Sudan | Recommended by Chair subject to his presence or else Provisional Member |



**AGENDA FOR 1ST MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO 8TH WORLD WATER FORUM (TF-WWF8)**

8 November 2016, 11-15-13.15 hours
Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2018

Terms of Reference (ToR): (a) To provide overarching lead role on behalf of ICID in monitoring and pushing forward the actions set in IR (Implementation Roadmap) and for inputs to 8th WWF by liaising with the National Committees and Workbodies; (b) To liaise with Brazilian National Committee (ABID) for preparatory work of 8th WWF; (c) To liaise with 8th WWF Program Committee and other International Bodies, especially FAO; (d) To regularly report to the IEC of the developments in the preparatory works leading to 8th WWF and recommend ICID inputs for consideration in 67th IEC; (e) To entertain activities to promote ICID's visibility in World Water Council.

TF-WWF8- Agenda Item 1: Introduction by the Chair

1. At the 66th International Executive Council (IEC) held at Montpellier in October 2015, the Council vide Resolution IEC-3/66 approved the establishment of Task Force to Guide Inputs to World Water Forum 8 (TF-WWF8). National Committees and members of the task force were informed about the establishment of TF-WWF8 vide Notification No.18 dated 16 June 2016. The composition of the task force as approved by the Management Board (MB) at its first virtual meeting (1/6) on 29 March 2016 is given as **Annex 1**.

2. During the 2015 International Executive Council (IEC) meeting, all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office in order to monitor the actions taken on the decision of the TF. A virtual meeting through video conference also provides opportunity of participating in the activities of the TF for those members of the TF who are unable to attend the meeting physically. TF may please take note. Chairman President Hon. Chandra Madramootoo (Canada) may like to apprise about the other related meetings held and other activities related to WWF8 since the Montpellier meeting in 2015.

TF-WWF8- Agenda Item 2: Implementation of roadmap (IR) and inputs to 8th WWF

3. At Montpellier meeting (2015), VPH Shinsuke Ota thanked various National Committees and Working Groups for providing inputs to the preparation of Implementation Roadmap (IR) for Theme 2.1 "Water for Food". Following major actions have been proposed :

(a) WIF2 and 67th IEC, November 2016, Chiang Mai, Thailand

- (i) To hold an International Workshop/Symposium on "Irrigation Modernization" in collaboration with other sectors
- (ii) To hold an international workshop on new developments in irrigation modernization technology
- (iii) To make and disseminate a report on water management in changing world

(b) 23rd Congress and 68th IEC, October 2017, Mexico

- (i) To release an appeal on modernization of irrigation to policy-makers
- (ii) To discuss standards and codes of practice
- (iii) To make and disseminate a report on modernization irrigation/drainage

4. During Montpellier meeting (2015), TF recommended that the actions set in IR would be steadily carried out by each concerned workbody. In response to the VPH Shinsuke Ota's request, Prof. Yutaka Matsuno (Japan) in August 2016 provided an updated progress report by PAWEES as part of commitment towards Theme 2.1 of 7th World Water Forum. ICID Central Office updated/ modified the report and is given as **Annex 2**. These action points have been included in the Agenda of respective workbodies.

TF-WWF8- Agenda Item 3: Report of the kick-off meeting of WWF8, 27-28 June 2016, Brazil

5. The Kick-off meeting was held at the Convention Center Brasilia (Brazil) from 27-28 June 2016, which marked the start to the completion of the largest international event related to the use of Water - World Water Forum, whose eighth edition is scheduled for March 2018 in federal capital, with the theme "Sharing Water". About 800 participants from more than 50 countries participated and discussed issues such as water security, multiple water use, climate change, and management of Border Rivers and other topics of interest. This is for information.

TF-WWF8- Agenda Item 4: Liaison with Brazilian National Committee (ABID) for preparatory work of 8th WWF

6. Since the 8th World Water Forum will be held in Brazil in March 2018, it is proposed to liaise with the Brazilian National Committee (ABID) towards preparatory work. Ing. Helvecio Mattana Saturnino (Brazil) was requested to be present at the kick-off meeting. However, Central Office did not received any response and efforts could be continued. However, members may like to explore other routes of liaising with the ABID.

TF-WWF8- Agenda Item 5: Identify areas for ICID contributions to the Forum

7. In order to continue the TF with new mandate and evolve a strategy for Implementation of Roadmap, the then Chair VPH Shinsuke Ota presented the draft mandate for the new TF-WWF8 during the Montpellier meeting (2015) in which an additional role to follow up the Implementation Roadmap (IR) for ICID was committed. During the meeting, Dr. Yamaoka proposed that in order to continuously deal with issues on World Water Forums and to get ICID more involved in activities carried out in World Water Council (WWC), a new permanent workbody should be established, instead of setting up a new Task Force same as the previous one. SG Avinash Tyagi expressed his idea of setting up a new working group for monitoring every ICID activities in which a special team, to manage WWF related business, will be formed. President Dr. Nairizi pointed out the importance of ICID involvement in WWC activities and necessity of establishing a workbody to monitor the involvement of ICID. PH Prof. Schultz recommended to add a new item to the mandate i.e. to organize activities to promote ICID visibility in World Water Council. The TF may deliberate.

TF-WWF8- Agenda Item 6: Review of membership of the Task Force

8. In order to increase the efficiency and functioning of the TF during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Secretary General, ICID prior to the meeting itself through emails/ web conference.

9. Following nominations have been received for the membership of the TF -

- Dr. Amgad Elmahdi (Australia)
- Mr. Ali Reza Salamat (Iran)
- Mr. Anuj Kanwal (India)

10. Accordingly, Chair in consultation with Secretary General have updated membership of the WG as given at **Annex 1** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

TF-WWF8- Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

TASK FORCE TO GUIDE ICID INPUTS TO 8th WORLD WATER FORUM (TF-WWF8)

A. Membership of the Task Force

| Sr. No. | Name | Country |
|----------------|--|----------------|
| 1. | PH Dr. Chandra Madramootoo, Chair | Canada |
| 2. | PH Dr. Bart Schultz | Netherlands |
| 3. | VPH Dr. Shinsuke Ota | Japan |
| 4. | VP Dr. Bong Hoon Lee | Korea, Rep. of |
| 5. | VPH Laurie C. Tollefson | Canada |
| 6. | Dr. Somkiat Prajamwong | Thailand |
| 7. | MXCID representative | Mexico |
| 8. | Ing. Helvecio Mattana Saturnino | Brazil |
| 9. | Er. Avinash C. Tyagi, Secretary General, ICID – Member Secretary | |

B. New nominations received

| Sl. No. | Name | Country | Remarks |
|----------------|----------------------|----------------|---|
| (1) | Dr. Amgad Elmahdi | Australia | Recommended by Chair subject to his presence or else Provisional Member |
| (2) | Mr. Ali Reza Salamat | Iran | Recommended by Chair subject to his presence or else Provisional Member |
| (3) | Mr. Anuj Kanwal | India | Recommended by Chair subject to his presence or else Provisional Member |

**7TH WORLD WATER FORUM 2015 COMMITMENTS FOR ACTION
Theme 2.1 - Water for Food**

Progress Report by ICID

| Objective | Action | Implemented by | Progress Report | Target Value ¹ and Progress | Target Time (by when?) |
|---|---|------------------------------|--|--|------------------------|
| Theme 2.1 > Objective 2.1.e Modernization of irrigation schemes | (2.1.e-1) - On the occasion of ICID 66th International Irrigation Council (IEC), establish an ICID Task Force on “Monitoring actions after WWF7” and appoint a coordinator for forwarding actions on irrigation modernization and develop inputs to WWF8. | ICID ICID CO (TF-WWF8) | < Completed > Task Force for WWF8 has been established and a coordinator has been appointed. TF-WWF8 is responsible for monitoring actions after WWF7. | Target Value: Establishing 1 Task Force Progress: done | 2015 |
| | (2.1.e-2) - In November 2016, on the occasion of 2nd World Irrigation Forum (WIF) and 67th IEC in Thailand, hold a symposium on irrigation modernization in collaboration with other sectors inviting international organizations and representative of other water sectors. | ICID CO | < Ongoing > An International workshop on “ New Developments in Irrigation and Modernization ” in collaboration with other sectors” is being held during the WIF2 in Chiang Mai, 6-8 Nov 2016. | Target Value: More than 100 participants are expected Progress: ongoing | 2016 |
| | (2.1.e-3) - In October 2017, on the occasion of ICID 23rd Congress and 68th IEC in Mexico, release an appeal on Modernization irrigation to policy-makers and decision-makers of governments, private sectors and international financial institutions and formulate inputs to the next WWF8 in 2018. | ICID CO (TF-WWF8) | < Ongoing > The 23 rd Congress will be focusing on “Modernizing Irrigation and Drainage for a new Green Revolution” as its theme in 2017. | Target Value: - More than 600 Progress: ongoing | 2018 |
| | (2.1.e-4) - In October 2015, on the occasion of ICID 66th International Executive Council (IEC) in France, establish an ICID Working Group on “modernization and revitalization of irrigation schemes” and develop a scoping document. | WG-M&R | < Completed > The WG-M&R has been established and had its first meeting at the occasion of the Montpellier meeting. | Target Value: WG-M&R Established Progress: done | 2015 |

¹ For example, 10 workshops in 6 countries by Dec. 2016 is the target value; 5 workshops in 5 countries by June 2016 is the progress made compared to target value.

| Objective | Action | Implemented by | Progress Report | Target Value ¹ and Progress | Target Time (by when?) |
|-----------|--|----------------|---|--|------------------------|
| | (2.1.e-5) Commence to work together with international organizations and other institutions such as FAO, IWMI, ICARDA, ICBA, IFAD, ICOLD, IHA, ADB, AFDB, IADB, WB, WWC and universities. | WG-M&R | <Ongoing> This item doesn't require a specific action, but has to be taken up in the other actions. | Target Value: - Progress: ongoing | 2021 |
| | (2.1.e-6) In November 2016, on the occasion of 2nd World Irrigation Forum (WIF) and 67th IEC in Thailand, hold an international workshop on new developments in irrigation modernization technology in collaboration with other sectors. | WG-M&R | < Ongoing > See under 2.1.e-2 | Target Value: - Technical Report Progress: ongoing | 2016 |
| | (2.1.e-7) In October 2017, on the occasion of ICID 23rd Congress and 68th IEC in Mexico, discuss standards and codes of practice associated with irrigation design, installation and evaluation to address socio-economic and environmental effects. | WG-M&R | < Ongoing > See under 2.1.e-3 | Target Value: More than 600 Progress: ongoing | 2021 |
| | (2.1.e-8) In 26th ERC, make a report on climate change adaptation through improvement of irrigation performances in Europe to contribute toward the COP 21 in Paris, November-December 2015. | ERC | < Completed > <i>Report submitted to COP 21</i> | Target Value: Report Progress: Done | 2015 |
| | (2.1.e-9) In ICID 67th IEC, make and disseminate a report on Water Management in a changing world: Role of irrigation for sustainable food production, and Asian case study. | ICID CO | The WIF2 will be focussing on "Water Management in a changing world: Role of irrigation for sustainable food production" as its theme and report will be made available by end of 2016. | Target Value: 1 report Progress: On-going | 2016 |
| | (2.1.e-10) In ICID 23 rd Congress and 68 th IEC in Mexico, make and disseminate a report on Modernization irrigation/drainage for a new Green Revolution including application to American continent. | ICID CO | < Ongoing > "Modernizing Irrigation and Drainage for a new Green Revolution" will be the theme of the 23 rd Congress with Question 60 focusing on "Water Productivity: Revisiting the concepts in light of water, energy and food nexus" and Question 61 on "State of knowledge of | Target Value: More than 600 Progress: On-going | 2017 |

| Objective | Action | Implemented by | Progress Report | Target Value ¹ and Progress | Target Time (by when?) |
|-----------|---|-------------------|--|---|------------------------|
| | | | irrigation techniques and practicalities within given socio-economic settings” | | |
| | (2.1.e-12) Organize a side event on the theme of: “Modernization of irrigation/drainage schemes” | YPF | <i>Young Professionals participating in WIF2 will be actively engaged in the organization of the side event/workshop on “New Developments in Irrigation and Modernization”</i> | Target Value: More than 100 Progress: On-going | 2016 |
| | (2.1.e-13) Organize and publish an event (e-discussion) on the theme of; Innovations in irrigation/drainage. | YPF | < Ongoing > <i>ICID Young Professional’s e-Forum has organized a e-discussion on “ Role of New Technologies for Irrigation and Drainage”</i> | Target Value: - Summary Report Progress: On-going | 2017 |
| | (2.1.e-14) Create Awareness on irrigation policy, Act and regulations to stakeholders. | Tanzanian NC | <i>Awaited</i> | Target Value: - Progress: | 2016 |
| | (2.1.e-15) Encourage Tanzanian Government to make decision on necessary investments in irrigation modernization | Tanzanian NC | <i>Awaited</i> | Target Value: - Progress: - | 2018 |
| | (2.1.e-16) Establish National Irrigation Research Center | Tanzanian NC | <i>Awaited</i> | Target Value: Establishment of national research center Progress: - | 2016 |
| | (2.1.e-17) Strengthen institutions responsible for irrigation and drainage research and development | Tanzanian NC | <i>Awaited</i> | Target Value: - Progress: - | 2018 |
| | (2.1.e-18) Contribute to ICID Working Group of modernization | Korean NC and KRC | < Ongoing > <i>Dr. Kwang-Sik Yoon is contributing to the activities of the WG-M&R as its member</i> | Target Value: - Technical report Progress: On-going | 2017 |
| | (2.1.e-19) Encourage modernization for agricultural water efficiency focusing on paddy farming in Asia | Korean NC and KRC | < Ongoing > <i>The subject is being taken up by Prof CHOI (ASRWG).</i> | Target Value: - Technical Report Progress: On-going | 2018 |

| Objective | Action | Implemented by | Progress Report | Target Value ¹ and Progress | Target Time (by when?) |
|-----------|--|-------------------------|--|--|------------------------|
| | (2.1.e-20) Organize two symposiums and two meetings gathering INWEPF member in Asian countries to share the outcomes till then. | Korean NC and KRC | < Ongoing > <i>A symposium was held in Cambodia on June 2016. Another symposium is to be held in Philippines in 2017.</i> | Target Value: 2 symposia Progress: 1 symposium held (50% completed) | 2017 |
| | (2.1.e-21) Combine the activity in ICID and in INWEPF. | Korean NC and KRC/ASRWG | < Ongoing > <i>ICID/ ASRWG discussing ToRs for collaboration. Small conference is being organized during PAWEES 2016</i> | Target Value: - Small conference Progress: On-going | 2016 |
| | (2.1.e-22) Organize international seminar to share and discuss experience on irrigation modernization in collaboration with International Network for Water and Ecosystem in Paddy Fields (INWEPF) | Japanese NC | < Ongoing > In 2015, INWEPF symposium was held in Sri Lanka. The symposium is planned to be carried out once a year for the duration of 2016-2017. | Target Value: Number of countries of INWEPF workshops Progress: ongoing | 2017 |
| | (2.1.e-23) Hold mentor program for young professionals to transfer knowledge and experience to young irrigation experts. | Japanese NC | < Ongoing > One mentor program in 2015 was implemented. For the duration of 2016-2017, the program will be implemented once a year. | Target Value: About 50 Progress: ongoing | 2017 |



**AGENDA FOR THE 5TH MEETING OF THE
TASK FORCE ON VALUE ENGINEERING (TF-VE)**

09 November 2016: 09:00-10:30 hours (Session-I)

09 November 2016: 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

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

Website: <http://tf-ve.icidonline.org/>

TF-VE Agenda Item 1: Action Taken Report by Chair

1. During the last International Executive Council (IEC) all the Committees were requested to make use of the video-conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the Task Force. A virtual meeting through video conferences also provides opportunity of participating in the activities of the TF for those members of the TF who are unable to attend the meeting physically and to continue their membership. TF may please take note. The Chairman will present report on the actions taken on various decisions/proposals of the Task Force since Montpellier Meeting in 2015.

TF-VE Agenda Item 2: Internal Workshop of TF-VE at Chiang Mai, Thailand in 2016

2. An Internal Workshop of the Task Force on Value Engineering (TF-VE) will be held during 2nd World Irrigation Forum (WIF2) and 67th IEC meetings on 9 November 2016. The main theme of the workshop is 'The Challenges of effective and efficient application of Value Engineering in Irrigation and Flood Projects' with following three sub-themes: (a) Worldwide experiences of application of VE in water Engineering; (b) Value Engineering Programs; and (c) The history of evolution of VE. The announcement of this workshop has been circulated to the members of the TF requesting their active participation.

TF-VE Agenda Item 3: Publication of the TF-VE

3. At Montpellier (2015) meeting, it was decided that TF would publish a manual on 'Application of Value Engineering in Irrigation and Flood Projects' based on the mandate and activities of the Task Force by the end of tenure of TF in 2016. The manual would include three chapters – (i) Value methodology, (ii) the results of application of TF in irrigation and flood projects, and (iii) conclusions. WG was requested to share the finalised draft of the manual with the ICID Central Office for circulation amongst the NCs and members of the TF for their comments/suggestions, if any. Chairman will brief about the status of finalisation of the draft of the manual during meeting of the TF.

TF-VE Agenda Item 4: Dissemination of Information – Web site

4. Members are requested for their active participation in the activities of the TF and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments in the field of value engineering. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the TF to the ICID Central Office for uploading on the web site of the TF. Members may like to discuss and evolve methodology for sharing of information and updation of TF website <http://tf-ve.icidonline.org/>. In order to ensure regular contribution of the members, TF is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

5. During the TF meeting at Montpellier, the Chairman has requested the members to provide material, document, reports, presentations etc. for uploading on TF website for dissemination. Three presentations made during the TF meeting in Montpellier in 2015 – (i) 'Value Engineering 101' by Mr. Mike Pearsall; (ii) 'VE Application in Water Engineering' & 'Value Engineering, Creative Synergy and the Challenges of the Third Millennium' by Dr. Emami (Iran) and (iii) 'Trend of VE in Japan' by Dr. Toshihiko Kuno (Japan) have been uploaded on the TF website.

TF-VE Agenda Item 5: Closure report of the Task Force

6. At the Montpellier (2015) meeting, PCTA has requested the TF is to prepare a closure report bringing out the outcomes of the task force during the last three years and prepare justification for the extension of the TF or creation of a Working Group on Value Engineering. Accordingly, ICID Central Office requested the TF Chair for preparation of closure report of the TF and shared a format for preparation of the closure report along with the summary of activities of TF-VE. TF Chair will present the closure report of the TF giving brief description of how its intended objectives and mandate have been achieved, including conclusion & recommendations and way forward for discussion and finalisation during the meeting.

7. TF will deliberate on issue of the continuation or otherwise of the TF in present or modified form and finalise justification for extension of TF or setting up of new WG with revised mandate. TF Chair will present recommendation of the TF to PCTA for its approval. Present membership of the TF is given at **Annex** for information.

TF-VE Agenda Item 6: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

Attendance of members in 2014 and 2015

| Sl. No. | Members | Member From (Year) | 2014 | | 2015 | | Remarks |
|---------|---|--------------------|------|---------------------|------|---------------------|--------------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Dr. Kamran Emami, Chairman (2013) (Iran) | 2012 | • | | • | | |
| 2. | Mrs. Remziye Yildiz Gulagaci, Vice-Chairman (2013) (Turkey) | 2013 | | | | | |
| 3. | Ir. Nor Hisham M. Ghazali, Secretary (2013) (Malaysia) | 2013 | • | | | | |
| 4. | Mr. Francois Brelle (France) | 2013 | | | | | |
| 5. | Mr. Suman Sijapati | 2014 | • | | • | | |
| 6. | Dr. Toshihiko Kuno (Japan) | 2014 | • | | • | | |
| 7. | Mr. Abijit Joshi (Direct Member), JISL | 2015 | | | | | Accepted as Provisional Member |
| 8. | Mr. Yeolkar (Direct Member) JISL | 2015 | | | | | Accepted as Provisional Member |
| 9. | Dr. Vijay K. Labhsetwar, Director, CID Central Office | 2012 | • | | | | |



**AGENDA FOR 25TH MEETING OF THE
COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**

8 November 2016, 09.00-11.00 hours
Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1992

Mandate: (i) To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation; to identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out; to encourage National Committees to adopt a proactive role in communicating the role of water resources projects in serving mankind; and to encourage the use of communications specialists to ensure that the ICID public relations effort is effective, (ii) General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications, (iii) Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs; fixing number of copies of books; public relations for publications, recommendations on subsequent publications of ICID.

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

C-PR&P Agenda Item 1: Action taken report by Chair

1. During the 66th International Executive Council (IEC) meeting (2015) held at Montpellier, all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office in order to monitor the actions taken on the decisions of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the workbody for those members who are unable to attend the meeting physically and continue their membership. The Committee may please take note. The Chair may like to present a report on the actions taken on the decisions and proposals of the committee made at its 24th meeting.

C-PR&P Agenda Item 2: ICID Action Plan 2030 – Activities of the workbodies

2. The 66th International Executive Council (IEC) meeting, vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals for ICID. An action plan has been drafted by the Consultative Group (CG), which requires the inputs from ICID Work Bodies to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan 2030.

3. Accordingly, as per the decision of the CG, the ICID Central Office, in May 2016, circulated the questionnaire to all work body Chairs with a request to fill up the questionnaire in consultation with the members. The inputs of the workbody will be discussed for its approval in the PCTA/IEC at Chiang Mai and for the contribution of the workbody towards its implementation (Refer PCTA Agenda Item 5, page 82). This is for information.

C-PR&P Agenda Item 3: Publications brought out and under processing during period 2015-16

C-PR&P Agenda Item 3.1: Periodicals

4. Fifty two issues of ICID e-Bulletin, 12 issues of News Update, and 4 issues of ICID News have been published by the Central Office during the year. All the past issues of these periodicals are also made available on ICID website as archives.

5. Annual Report 2015-16 has also been brought out by the Central Office and posted on ICID website. Two print (hard) copies of the Annual Reports have been sent to all the National Committees along with one copy each to Office Bearers, International Organizations and Direct Members. All the publications/ periodicals are also shared through social media sites, including LinkedIn group. This is for information.

C-PR&P Agenda Item 3.2: Special Publications

6. During the year, Central Office has brought out the proceedings of the First India Irrigation Forum (IIF1) titled "*Partnership for Better Agriculture Water Management*" held on 7 April 2016 as a side event during the India Water Week at New Delhi, India. This is for information.

7. Central Office has also brought out Pre-Forum abstract volumes of WIF2 along with an integrated version, which includes all full length papers, background papers, etc.

C-PR&P Agenda Item 3.3: Publications under processing

8. The following ICID publications are under processing:

- (i) 'Inter-Basin Water Transfer: Global Experiences – Analyses and recommendations' (by erstwhile TF- IBWT). Pres. Hon. Prof. Bart Schultz, Chairman of the erstwhile TF may provide further updates.
- (ii) 'Water use charging systems and available financing of irrigation development: Country case studies' (by erstwhile TF-FIN).
- (iii) 'Water Management in Water Stressed Regions' (WG-DROUGHT)

C-PR&P Agenda Item 3.4: Publications by National Committees

9. During Montpellier meeting (2015), the Committee noted that a few National Committees have provided copies of some publications prepared by them to Central Office which were included into the Integrated Library Management System (ILMS) for broader dissemination. Based on the recommendations of CPR&P, PCTA urged the NCs to provide information about the publications (could be in the various languages) being brought out by them for its inclusion in the Integrated Library Management System.

10. In May 2016, all NCs were requested to inform about their publications and share them in electronic format so that they can be included in the Integrated Library Management System (ILMS) which is a 'One-stop Catalogue' on irrigation and drainage. In response, five NCs submitted their publications as shown in **Annex 1**. This is for information.

C-PR&P Agenda Item 4: Report on ICID Journal

11. This year is the third year under the fourth Agreement (2014-2018) with M/s Wiley-Blackwell, UK. Under this Agreement, National Committees are entitled to receive five copies of the Journal online + print and five copies as online only. The number of subscriptions for the year 2016 are **487** online only, **174** online + print and **116** 'print' only, which makes the overall total as **777**. The Direct Members and the recipients of ICID YP scholarship also receive a free copy of the Journal. Prof Schultz, Chair of EB-JOUR may apprise the members.

C-PR&P Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

12. At Montpellier meeting (2015), the Committee noted the efforts of Central Office in updating Multilingual Technical Dictionary (MTD). All the terms related to the Multilingual Technical Dictionary (MTD) have been placed in the ICID DropBox folder (ICID - IEC\MTD terms priority wise for Updation) as per the priority and an invitation to the DropBox share folder were sent to the members for joining. While considering a mechanism to review/update the existing MTD as per the background note presented during the Montpellier meeting of PCTA, the Committee recommended that a new work body be established including representatives from various specialized fields, at the same time representing various languages included in the MTD.

13. A Task Force is being established, as per PCTA's recommendation, to review/update the existing MTD, to make available as an online version in the existing languages, including translation of the existing MTD into local languages of various NCs of ICID, besides the periodical review/ updation of the online version of Dictionary. The TF will consists of chairs/nominees of workbodies dealing with the existing topics/ newly identified topics of MTD as well as members co-opted from specialized organizations like WMO, FAO, IWMI, ICOLD, UNESCO-IHE, etc.

14. Accordingly, WG-CLIMATE recommended Dr. Waleed Hassan M. Abou El Hassan (Egypt) while WG-SDTA recommended Prof. Hajime Tanji (Japan) to update the MTD on behalf of their workbody. In May 2016, Central Office again requested the members of the workbody to review the terms of MTD (related to their activities) in consultation with the Chair/ Secretary and provide their contributions towards updating/ modifications of the MTD.

15. A draft scoping document for establishment of a Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD) will be tabled for consideration of PCTA at the meeting (Refer PCTA Agenda Item 4, page 82). The Committee may deliberate and advise procedural improvements, if any.

C-PR&P Agenda Item 6: Membership of the Committee

16. In order to increase the efficiency and functioning of the workbody during annual face to face meetings and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the Committee will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

17. During Montpellier meeting (2015), the Committee requested the National Committees to nominate a representative from their country on the Committee for broader participation and increasing the efficiency and functioning of the Committee. Accordingly, in May 2016, Central Office invited nominations from all the National Committees for the membership of the Committee. In response, nominations have been received from the National Committees of Iran and UK for the membership of the Committee.

18. Accordingly, the Chairman in consultation with the Central Office have updated membership of the Committee as given at **Annex 2** (*see the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

C-PR&P Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the Committee report to PCTA meeting on 11 November 2016.

PUBLICATIONS BY NATIONAL COMMITTEES

1. IAL, Australia

Brought out 6 issues of the quarterly published 'Irrigation Australia' journal
<<http://irrigation.org.au/publications-resources/irrigation-australia-journal>>

2. ABID, Brazil

Brought out 'Irrigacao & Tecnologia Moderna – ITEM' journal published in Portuguese language
<<http://www.abid.org.br/revista.asp>>

3. IWF/ICID.UK

News & Views, April 2015, No. 57

4. KCID, Korea

KCID Magazine, Korean National Committee on Irrigation and Drainage (KCID), 2015, No. 55, No. 3

5. USCID, USA

USCID Newsletter, 2015, No. 120



A. Members and their Attendance at 2014 and 2015 Meetings

| Sl. No. | Members | Member from | 2014 | | 2015 | | Remarks |
|--------------------------|--|-------------|----------------|---------------------|------|---------------------|---------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | VPH Larry D. Stephens, Chairman (USA) | 1992 | • | | • | | |
| 2. | PH Bart Schultz (The Netherlands) | 2009 | • | | • | | |
| 3. | Ms. Anne Currey (Australia) | 1998 | | | | • | |
| 4. | Dr. Yingduo Yu (China) | 2012 | • | | • | | |
| 5. | Mr. C.P. Arora – Direct Member, WAPCOS (India) | 2014 | • | | | • | |
| 6. | Secretary General, ICID | | # ¹ | | # | | |
| Ex-officio Member | | | | | | | |
| | Mr. Satit Maneepai (Thailand) | | | | | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|-------------------|---------|--|
| (1) | Mr. Oliver Taylor | UK | Recommended by Chair, subject to his presence or else Provisional Member |
| (2) | Ms. Sahar Norouzi | Iran | Recommended by Chair, subject to her presence or else Provisional Member |



¹ # through representation

APPENDIX XXIV [PCTA Item 9.6]

**AGENDA FOR THE 23RD MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

10 November 2016, 11.00-12.30 hours (Session-I)
10 November 2016, 13.30-15.00 hours (Session-II)
Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1994

Mandate: (i) To ensure with the (Joint) Editor(s) that the Journal is published in accordance with editorial policies; (ii) To select and recommend to IEC, through PCTA, the appointment of (Joint) Editor(s), Associate Editors and Members; (iii) To review and update editorial policies when required, to conform with the developing ICID objectives; (iv) To address and resolve issues pertaining to the Journal; and (v) To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

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

EB-JOUR Agenda Item 1: Action Taken Report by Chair (from Editor, Chairman)

1. The Chairman's Report for 2015 has been disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report will be presented at the beginning of the meeting and will be discussed during the meeting.

EB-JOUR Agenda Item 1.1: Special Issues

2. This year, three Special Issues have been published as below:

- (a) Special Issue in the regular series (65.2) with selected papers of the Gwangju (Korea) Congress (2014);
- (b) Sponsored Special Issue (65.S1) with selected papers, in principle based on Gwangju Congress papers by authors from Asia;
- (c) Sponsored Special Issue (65.S2) with selected papers in principle based on Gwangju Congress papers by Korean Specialists;

This is for information of the members.

3. At present, four new Special Issues may be expected, they being:

- (a) Sponsored Special Issue on New Development on Irrigation in Africa (2016/2017)
- (b) Sponsored Special Issue with selected papers of the European Regional Conference at Montpellier, France (2016/2017)
- (c) Sponsored Special Issue by the Working Group on Sustainable Development in Tidal Areas (WG-SDTA) based on the selected papers from the workshops of the Working Group in 2014 and 2015 (2016/2017)
- (d) Special Issue in the regular series with selected papers of the 2nd World Irrigation Forum (2017);
- (e) Sponsored Special Issue by the Iranian National Committee (IRNCID) will be based on selected papers of the 13th International Drainage Workshop, Iran in 2017.

This is for information of the members.

EB-JOUR Agenda Item 1.2: French resumé

4. For all submitted papers, Mr. Bernard Vincent (France) has checked the French Titles and Resumes. For some papers, assistance has been obtained from Central Office as well.

EB-JOUR Agenda Item 1.3: Recognition to the reviewers

5. The Guest Editors and Reviewers of the papers in 2015 have been listed and recognized in the first issue of the Journal in 2016.
6. If reviewers desire, a certificate stating their work for *Irrigation and Drainage* can be issued.
7. It has been agreed with M/s Wiley that IRD will be included in Publons. Publons works with reviewers, publishers, universities, and funding agencies to turn peer review into a measurable research output. Specifically, they collect peer review information from reviewers and from publishers, and produce comprehensive reviewer profiles with publisher-verified peer review contributions that they can include in their promotion and funding applications. Detailed information on Publons has been disseminated to the members of EB-JOUR before the meeting.

EB-JOUR Agenda Item 1.4: Best Paper Award 2016

8. In 2015, sixty two papers were published. The best paper has been selected by the Chairman in cooperation with the Joint and the Associate Editors of the Journal. The Best Paper Award in the form of a citation plaque along with a cash prize of either £ 250 [or £ 400 – in the form of Gift Books (Wiley Publications) which the awardees will have an option to choose]. The winner of the 'Best Paper Award 2016' will be announced during the IEC meeting on 12 November 2016 at Chiang Mai, Thailand.

EB-JOUR Agenda Item 2: ICID Action Plan 2030: Action Points of Editorial Board

9. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.
10. In June 2016, Chair PH Bart Schultz has prepared the draft activity plan of the group in consultation with the Joint Editors and circulated it to all members with a request to provide their feedback/comments (**Annex 1**). The EB-JOUR will discuss and finalize the action plan of the Board. Chair will provide further updates at the meeting.

EB-JOUR Agenda Item 3: Experiences with reviewers

11. The Chairman would like to discuss the experiences that the members have had with reviewers. In addition, he would like to discuss how we can shorten the time needed to get papers reviewed and accepted.

EB-JOUR Agenda Item 4: Distribution of the Journal among the ICID membership

12. This year is the third year under the fourth Agreement (2014-2018) with M/s Wiley-Blackwell, UK. Under this Agreement, National Committees are entitled to receive five copies of the Journal online + print and five copies as online only. After consultation with the National Committees, the list of members for distribution of IRD in 2016 to the National Committees and work body members and office bearers has been timely sent by Central Office to M/s. Wiley, with an update in June 2016. It is important that all National Committees timely submit their revised contact details, if any, to get the copies properly and timely. Since 2014 the ICID subscription list includes the new category of Direct Members and the recipients of ICID YP scholarship.
13. The number of subscriptions for the year 2016 are **487** online only, **174** online + print and **116** 'print' only, which makes the overall total as **777**. Due to the fact that some National Committees still have not provided ICID Central Office the required information on the dissemination of the 5+5 free copies, not all the 800 copies under the Agreement could be subscribed in 2016.
14. Members may like to discuss the repercussion of moving on to 100 per cent on-line access of IRD Journal. This could be, if proposed, one of the proposals that may be presented in the new agreement from 2019 onwards.

EB-JOUR Agenda Item 5: Review of the membership of the Editorial Board

EB-JOUR Agenda Item 5.1: New membership

15. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, secretary and ICID Central Office prior to the meeting itself through emails/ web conference. Accordingly, the updated membership of the WG based on the nominations received as of now can be seen in **Annex 2** (see *the*

electronic version for the latest list). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

16. New nomination of Dr. Poolad Karimi (Iran) has been received from the Iranian National Committee of ICID (IRNCID). The EB recommends that his membership for the EB-JOUR as Associate Editor may be accepted.

EB-JOUR Agenda Item 6: Issus related to M/s Wiley-Blackwell

17. The regular contacts with M/s Wiley-Blackwell are effective and the publisher is very well catching up with new developments in the publishing world. Details are given in the Chairman's report of 2015 and will be communicated to members during the meeting. New important developments are :

- (a) Joining to Publons peer review credit service
- (b) Provision of mobile content.

EB-JOUR Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Bart Schultz

Dated: 26 May 2016

| Goal 1: Enable higher crop productivity with less water and energy | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|--|---|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| 1.1 To publish high quality papers in the journal <i>Irrigation and Drainage (IRD)</i> on new developments in irrigation, drainage and flood management | | About 70 papers per year published in five issues. Once in three years a special issue will be published with selected papers of the Congress and once in three years a special issue with selected papers of the World Irrigation Forum. | 5 issues of IRD | 5 issues of IRD | 5 issues of IRD | 5 issues of IRD | 5 issues of IRD |
| 1.2 In addition to the regular issues to publish sponsored special issues on an ad hoc basis | | | One or two sponsored special issues | One or two sponsored special issues | One or two sponsored special issues | One or two sponsored special issues | One or two sponsored special issues |
| 1.3 To maintain good working relations with a professional publisher. At present John Wiley & Sons | | | Two working meetings | Two working meetings. Renewal of the publishing agreement, preferably with John Wiley & Sons | Two working meetings | Two working meetings | Two working meetings |
| | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |

| Goal 1: Enable higher crop productivity with less water and energy | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|--|--------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Improvement in the citation index (CI) and in the altmetric scorer (AC) | | CI: 0.7 AC: 5% | CI: 0.7 AC: 6% | CI: 0.8 AC: 7% | CI: 0.8 AC: 8% | CI: 0.9 AC: 9% |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Number of unique visitors to IRD's pages at Wiley, by year | | 40,000 | 42,000 | 44,000 | 46,000 | 48,000 |
| | 3.2 Number of downloads of IRD papers, by year | | 25,000 | 26,000 | 27,000 | 28,000 | 30,000 |
| | 3.3 Number of institutions with access to IRD via a Wiley Licence | | 4,500 | 4,500 | 4,600 | 4,600 | 4,700 |
| | 3.4 Number of low-cost or free access to current content to developing world institutions | | 5,000 | 5,000 | 4,900 | 4,900 | 4,800 |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | 4.1 This activity is not really possible in EB-JOUR. Indirectly it can be represented in the papers submitted by specialists of various disciplines. | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | 5.1 IRD publishes many high quality papers on field research with the possibility | | | | | | |

| Goal 1: Enable higher crop productivity with less water and energy | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|---|--------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | for application in practice | | | | | | |
| | 5.2 IRD publishes many high quality papers on new tools and methods with the possibility for application in practice | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | Papers are often one of the end results of research, or projects. Especially several of the researches take place in the framework of education and/or capacity building. | | | | | | |
| | WG Activity 6.2 | | | | | | |
| | | | | | | | |

A. Members and their attendance at 2014 and 2015 Meetings

| Sl. No | Members | Member From | 2014 | | 2015 | | Remarks |
|--------|--|-------------|------|---------------------|------|---------------------|---------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | President Hon. Dr. Bart Schultz, Chairman (The Netherlands) | 2002 | • | | • | | |
| 2. | Prof. Dr. Kristoph-Dietrich Kinzli P.E., Joint Editor (2012) | 2010 | | • | | | |
| 3. | Dr. Li Jiusheng (China), Joint Editor (2015) | 2012 | • | | • | | |
| 4. | VPH Prof. Hector Malano, Editor Emeritus (2015) (Australia) | 2001 | | • | | | |
| 5. | Dr. Bryan P. Thoreson, Associate Editor (USA) | 2001 | | • | | | |
| 6. | Dr. Marcel Kuper, Associate Editor (France) | 2009 | | • | | | |
| 7. | Mr. Bernard Vincent, Associate Editor (France) | 2010 | • | | • | | |
| 8. | Prof. Daniele de Wrachien, Associate Editor (Italy) | 2001 | | • | | • | |
| 9. | Dr. Takao Masumoto (Japan), Associate Editor | 2011 | • | | • | | |
| 10. | Dr. Nick C. Van de Giesen, Associate Editor (2013) (The Netherlands) | 2007 | | • | | | |
| 11. | Prof. Leon van Rensburg (South Africa), Associate Editor | 2013 | | • | • | | |
| 12. | Dr. Biju George (Australia), Associate Editor (2014) | 2013 | | • | | | |
| 13. | Prof. Waldo Ojeda-Bustamante Associate Editor (2014) | 2014 | • | | • | | |
| 14. | Prof. Kendall C. DeJonge (USA) Associate Editor (2014) | 2014 | | • | | | |
| 15. | Prof. Saleh Taghvaeian (USA) Associate Editor (2014) | 2014 | | • | | | |
| 16. | Prof. Yih Chi Tan (Chinese Taipei) Associate Editor (2013) | 2006 | | | | | |
| 17. | Dr. Henk Ritzema (The Netherlands), Associate Editor (2015) | 2013 | | • | • | | |
| 18. | Prof. Graziano Ghinassi (Italy), Associate Editor | 2015 | | | • | | |
| 19. | VPH Laszlo Hayde (Hungary), Associate Editor | 2015 | | | • | | |
| 20. | VPH Larry D. Stephens (USA) | 2001 | • | | • | | |

| Sl. No | Members | Member From | 2014 | | 2015 | | Remarks |
|--------|--|-------------|------|---------------------|------|---------------------|---------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 21. | Dr. Muhammad Latif (Pakistan) | 2002 | | • | | | |
| 22. | Dr. Yohei Sato (Japan) | 2009 | • | | • | | |
| 23. | Prof. Ir. Dr. Mohd Amin bin Mohd Soom (Malaysia) | 2009 | | • | | | |
| 24. | Dr. Mohammad Javad Monem (Iran) | 2011 | | • | • | | |
| 25. | Prof. Dr.-Ing. Klaus Rottcher (Germany) | 2011 | | • | | | |
| 26. | Prof. dr. Joong Dae, Choi (Korea) | 2013 | • | | • | | |
| 27. | Mr. Brent Paterson (Canada) | 2013 | | • | | | |
| 28. | Ir. Simon Howarth (UK) | 2014 | | • | | | |
| 29. | Dr. Vijay Labhsetwar (ICID Central Office) | 2006 | | • | • | | |

B. New nomination received from the National Committee

| Sl. No. | Name | Country | Remarks |
|---------|-------------------------------------|---------|----------------------|
| 1. | Dr. Poolad Karimi, Associate Editor | Iran | Recommended by Chair |

**AGENDA FOR 3RD MEETING OF THE
WORKING GROUP ON SUSTAINABLE DRAINAGE (WG-SDG)**

9 November 2016, 13.30-15.00 hours (Session I)
9 November 2016, 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: Scheme

Presented by the Chairman

Year of Establishment: 2013

Extended the completion of the Mandate: 2019

Mandate: (a) To promote drainage as part of integrated water resources management; and (b) To promote sustainable approaches for drainage and related projects through a balanced integration of (i) environmental, (ii) economic, and (iii) social and cultural aspects. The WG will work on – (a) Soil management and (integrated) water (resources) management; (b) Traditional and wise drainage management including (i) dry drainage and bio drainage, (ii) arid and semi-arid zones v/s rain fed zones, and (iii) controlled drainage and regulated drainage; (c) Operation and maintenance; (d) Promotion of multi-stakeholders approaches; (e) Reuse and multiple uses; (f) Promotion of risk assessment under global change, and (g) Assessment of drainage needs.

WG-SDG Agenda Item 1: Action taken report by the Chair

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

2. In order to fulfil the mandate of the group, during Montpellier meeting WG Chair stressed need to retrieve information from grey literature to seek information on innovation and most performing traditional techniques as well as to identify and create inventory of traditional techniques and statistics on the subject. Accordingly, the group adopted a system based on both geographical and thematic organization of activities of the WG as - (a) Controlled drainage - Ms Wang and Aijo; (b) Bio drainage, dry drainage, bio saline agriculture - Mr Ardavan Azari; (c) Wetlands - Dr. Bondarik, Mr. Vincent, Dr Asraf El Sayed Ismail ; (d) Innovation in Russian speaking countries - Dr Bondarik. WG also requested Dr Wu (China) to assist the team on dry drainage and Dr. Wahba (Egypt) to assist the team on controlled drainage group. In May 2016, the Central Office requested the above members to make contribution on the relevant subject in consultation with the Chair Bernard Vincent. Chair may provide further updates at the meeting.

WG-SDG Agenda Item 2: ICID Action Plan 2030 – Activities on sustainable drainage

3. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

4. Since no response is received from the WG, the Central Office has prepared a draft activity plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated action plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-SDG Agenda Item 3: Compilation of experiences in bio-drainage and bio-saline agriculture

5. In May 2016, the Central Office circulated the draft document on bio-drainage prepared by Dr. Gurbachan Singh (India) to all members and invited comments and suggestions from them. No comments/ response received from members. In July 2016, Dr. Gurubachan Singh has informed that he would attend the WG meeting at Chiang Mai and present the document on bio-drainage, incorporating the comments received, if any. Dr. Gurbachan Singh, Chair will provide further updates on the document.

WG-SDG Agenda Item 4: Updating database on ‘Drained area in the world’

6. A datasheet for updating the database on drained area in the world was circulated to all National Committees (**Annex 2**) to provide information on drained area. The WG is requested to review the datasheet and make modifications as necessary and share finalised datasheet for circulating to all NCs.

7. At Montpellier meeting, the group noted the continued efforts of members in updation of the database on drained area. During Montpellier meeting, Chair requested all members to continuously update the database and provide information to Central Office for compilation. In November 2015, Ms. Nurgul Uzucek (Turkey) has requested all members to update the database and provide the latest data on drained area of their country. In May 2016, Central Office further requested members to update the existing database of drained area in respect of their country and provide the updated data so that it can be published in the Annual Report. The updated database of drained area is available at <http://www.icid.org/ar_2015.pdf>. Members are requested to provide latest information in respect of their countries every year.

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

8. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

9. Since PCTA would require a feedback from each of the WGs as to how they plan to review / update the terms that fall within their respective scope of activities, the group may like to discuss this issue and nominate a suitable expert as a nodal person for reviewing the terms related to the activities of the group. To achieve this goal, it is proposed that WG undertake review of the concerned terms depending on their domain of expertise suggesting changes / modification and addition of new terms, along with contributing pictures, links and videos related to respective term. In May 2016, Central Office requested members to review the terms of MTD related to activities of the WG and provide their contributions towards updating/ modifications of the MTD in consultation with the Chair/ Secretary of the group. Chair will provide further updates at the meeting.

WG-SDG Agenda Item 6: Updates on the 13th International Drainage Workshop, 4-7 March 2017, Ahwaz, Iran

10. The 13th International Drainage Workshop (IDW) on the theme “Drainage and Environmental Sustainability” will be organized by Iranian National Committee (IRNCID) from 4-7 March 2017 at Ahwaz City, Iran. At Montpellier meeting, the group noted the organization of 13th International Drainage Workshop (IDW) in March 2017 in Iran and conveyed their full support to the organizer for successful organization of the IDW. In May 2016, the Central Office requested members to actively contribute and support IRNCID in finalization of the programme and successful organization of the 13th IDW technical program. In August 2016, Mr. Ardavan Azari has informed that IRNCID has included Mr. Bernard Vincent and Dr. Momon Sodik Imanudin in their Committees and also included PH Bart Schultz and VPH Vlotman in the Scientific Committee. IRNCID’s representative/ Chair will provide further updates on 13th IDW at the meeting.

11. WG-SDG is responsible for the overall technical guidance of the IDW and ensure that the outcomes of the workshop serve its objectives and work program. The WG may discuss how the IDW can be used as an opportunity to get inputs for its outputs as envisaged under WG’s activities plan.

WG-SDG Agenda Item 7: Dissemination of activities of WG – Website of the group

12. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments, methods and innovative on-farm management practices. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

13. At Montpellier meeting, the Chair Dr. Bernard Vincent requested members to review the contents of the WG webpage and provide their suggestions for improvement. In November 2015, Ms. Nurgul Uzupek (Turkey) has requested all members to access the WG website and provide their suggestions/ comments for further improvement. In May 2016, Central Office also requested members to access the WG webpage and provide their comments/ suggestions for further improvement and also share relevant information / documents/ reports/ articles etc. for uploading on website. WG Chair will provide further updates in the matter.

WG-SDG Agenda Item 8: Review of the membership of the working group

14. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

15. As suggested by the group at Montpellier, Central Office requested Nepal National Committee (NENCID) to send a fresh nomination in place of Mr. Krishna Prasad Rijal (since he is more than 40 years and not a Young Professional from May 2016 onwards). Response is awaited. Korean National Committee (KCID) has nominated Prof. Seong Joon Kim in place of Prof. (Ms.) K.S. Choi for the membership of the group. Similarly, the Japan National Committee (JNCID) has nominated Dr. (Ms.) Naoko Koshiyama for the membership of the group. South African National Committee (SANCID) has nominated Prof. Aidan Senzanje in place of Mr. AT van Coller for the membership of the group.

16. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 3** (*see the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting. The new members are requested to make a short presentation about their activity plan, R&D in the member country and on other relevant topics.

WG-SDG Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Mr Bernard Vincent (Chair), Dr. Momon Sodik Imanudin (Vice Chair), Ms. Nurgul Uzucek (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|---|------------------------------|--|------------------------------------|---|------------------------------------|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | | |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshop, Seminar and Symposium | Compilation of proceedings | 13 th International Drainage Workshop | Workshop | Workshop | | |
| | | | | | | | |
| | 3.2 Compilation of experiences in bio-drainage and bio-saline agriculture | Publication | Release the draft document | Finalize the document | | | |
| | | | | | | | |
| | 3.3 Retrieve information from grey literature to seek information on innovation and | Publication | Finalisation of first set of compilation | Publication | Finalisation of second set of compilation | | |
| | | | | | | | |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | most performing traditional techniques and create inventory of traditional techniques and statistics | | | | | | |
| | | | | | | | |
| | 3.4 Database on drained area in the world | Database | Updating database | Updating database | Updating database | | |
| | | | | | | | |
| | 3.5 Updating Multilingual Technical Dictionary | Web version | Updating the terms | Updating the terms | Updating the terms | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | | |
| | | | | | | | |

ICID DATASHEET

Country:

| Sl. No. | Particulars | New Information (latest available*) Million ha |
|--|---------------------------------|---|
| 1. | Irrigated Area | |
| 2. | Drained Area | |
| 3. | Arable and Permanent Crop Area | |
| 4. | Area under Sprinkler Irrigation | |
| 5. | Area under Micro-Irrigation | |
| *Please give year and source of data in full | | |

WORKING GROUP ON SUSTAINABLE DRAINAGE (WG-SDG)

A. Attendance of members at 2014 and 2015 meetings

| SI No. | Members | Member from | 2014 | | 2015 | | Remarks |
|--------|---|-------------|------|---------------------|------|---------------------|---|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Mr. Bernard Vincent, Chairman (France) | 2013 | | • | • | | |
| 2. | Dr. Momon Sodik Imanudin, Vice Chairman (Indonesia) | 2013 | | | | • | |
| 3. | Ms. Nurgul Uzucek, Secretary (Turkey) | 2013 | • | | • | | |
| 4. | Dr. James Ayars (USA) | 2013 | | | | • | |
| 5. | VPH Prof. Brane Maticic (Slovenia) | 2013 | | • | | | |
| 6. | Mr. Chen Hung-Kwai (Chinese Taipei) | 2013 | | | | | |
| 7. | Dr. M.N. Bhutta (Pakistan) | 2013 | | | | | Requested for contribution however, no response |
| 8. | Mr. AT van Coller (South Africa) | 2013 | | | | | |
| 9. | VPH Shinsuke Ota (Japan) | 2013 | | | | • | |
| 10. | Dr. Yurii Yanko (Russia) | 2013 | | | # | | |
| 11. | Dr. Gurbachan Singh (India) | 2013 | | • | | | |
| 12. | Mr. Mati Tonismae (Estonia) | 2013 | | | • | | |
| 13. | Mr. Ardavan Azari (Iran) | 2013 | • | | • | | |
| 14. | Ms. Helena Aijo (Finland) | 2013 | | | • | | |
| 15. | Dr. Ashraf El Sayed Ismail (Egypt) | 2013 | • | | • | | |
| 16. | Ms. Wang Shaoli (China) | 2013 | • | | • | | |
| 17. | Engr. Mohd Anuar Musardar bin Yusoff (Malaysia) | 2013 | • | | • | | |
| 18. | Prof. (Ms.) Kyung-Sook Choi (Korea, Republic of) | 2014 | | • | | | New nomination |

| SI No. | Members | Member from | 2014 | | 2015 | | Remarks |
|--------|---|-------------|------|---------------------|------|---------------------|------------------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| | | | | | | | received from KCID |
| 19. | Dr. Hajime Tanji (Japan) | 2014 | • | | | | |
| 20. | Prof. Ir. Robiyanto Hendro Sustanto (Indonesia) | 2014 | | • | | | |
| 21. | Dr. Henk Ritzema (Netherlands) | 2015 | | | • | | |
| 22. | Mr. Krishna Prasad Rijal - Young Professional (Nepal) | 2015 | | | | | From May 2016 onwards he is not YP |
| 23. | Mr. Yeolkar (Direct Member), JISL (India) | 2015 | | | | | Accepted as Provisional Member |
| 24. | Secretary General, ICID | | # | | | | |

Through representation

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|--|----------------|--|
| 1. | Prof. Seong Joon Kim in place of Prof. (Ms.) K.S. Choi | Korea, Rep. of | Recommended subject to his presence or else Provisional Member |
| 2. | Dr. (Ms.) Naoko Koshiyama | Japan | Recommended subject to her presence or else Provisional Member |
| 3. | Prof. Aidan Senzanje in place of Mr. AT van Coller | South Africa | Recommended subject to his presence or else Provisional Member |



**AGENDA FOR THE 2ND MEETING OF
WORKING GROUP ON INSTITUTIONAL ASPECTS OF IRRIGATION/ DRAINAGE
SYSTEM MANAGEMENT (WG-IOA)**

9 November 2016, 13.30-15.00 hours (Session I)

9 November 2016, 15.30-17.00 hours (Session II)

Chiang Mai, Thailand

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: The WG will investigate, analyse and disseminate information and knowledge on following issues: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/drainage services and determination of level of cost recovery.

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

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-IOA Agenda Item 2: ICID Action Plan 2030 – Activities on institutional and organizational aspects of irrigation

2. At Montpellier meeting, the group discussed in detail about the importance of the institutional aspects of management, operation and maintenance of irrigation/drainage schemes in light of its role in support of global food production. During the meeting, it was proposed that the overall working program will be for six year period starting from 2015 to 2021.

3. In January 2016, VPH Hafied Gany, Chairman informed all members about the creation of the “Share Folder” for communication and dissemination of the information and documents and invited members to share working papers, articles and the likes on general information on IOA in their respective countries and/or region as well as input for the preparation of the work plan. He also informed that based on the inputs received from the members, a short term work plan (three-year work plan out of the total six years) will be prepared and submitted at the Chiang Mai meeting.

4. WG Chair in his communication to all members of the WG in January 2016 suggested following sequence for the three-year program: (1) Setting up relevance WG members, roles and responsibilities; (2) Institutional set up, role sharing, responsibilities and relationship with other relevant WG; (3) Exchange of information, books and case studies on Institutional and organizational aspects of Irrigation and Drainage; (4) Establishment of “Share Folders” for on-line interaction of IOA-WG; (5) Regular Interactive on-line Share Folders or Discussions, seminar and symposium through website “Share Folders” media; (6) Annual meeting (Seminar, Symposium and Workshop) based on the result of “Share Folders” interactive communication; and (7) Preparation of conclusion based on the result of discussion for supporting the subsequence three years short term period.

5. Chairman also shared a working paper on issues of IOA in Indonesia entitled: “Historical, present condition and future outlook of institution and organization of irrigation development and management in Indonesia” with all members as a discussion material. The paper provide information about historical background and underlying issues, problems and perspective of IOA in Indonesia for comparison with the IOA in respective areas and regions of the members. He invited contributions, comments, guideline or recommendations regarding IOA and other related aspects from members for enriching knowledge and perceptions and state of the arts of all aspects related with Institutional and Organizational aspects of irrigation and drainage.

6. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in the prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

7. Since no response was received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-IOA Agenda Item 3: Presentation by the working group members

8. During Montpellier, only Turkey made general outline about the importance of Institution and Organization for sustaining Irrigation and Drainage implementation in the future. It was proposed that the subsequent country presentation will be conducted through exchange of information along the routine on-line interaction, annual meeting or on-line workshop or seminars. In May 2016, Central Office requested members to plan and make presentations during the WG meeting at Chiang Mai in consultation with the Chair well in advance. In response, Mr. Madhav Belbase (Nepal) has confirmed to make presentation during the WG meeting.

WG-IOA Agenda Item 4: Dissemination of activities of WG – Website of the group

9. During Montpellier meeting, setting up a website for the WG was proposed and members were invited to provide information/material for uploading on the WG website. Accordingly, in May 2016, the ICID Central Office has requested Chairman to initiate creation of the website for the new WG and members were also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. The current webpage of the group http://www.icid.org/wg_ioa.html is fully functional.

10. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic and make full use of the ‘share folder’ created by the WG Chair (as indicated above) in order to keep themselves up-to-date with new developments, methods and approaches. Members may like to discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

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

11. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-IOA Agenda Item 6: Review of membership of the working group

13. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, the Management Board (MB) has decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

14. The Chinese Taipei Committee (CTCID) has nominated Dr. Yu-Chuan Chang for the membership of the group. The Iranian National Committee (IRNCID) has nominated Houshang Hasouni Zadeh for the membership of the group. Dr. Ahmed Mohamed Adam, Chairman of Sudanese National Committee (SNCID) has shown interest in joining the working group however, nomination is yet to be received from SNCID. In February 2016, Engr. M S Bala, Secretary General, Nigerian National Committee (NINCID) has recommended the nomination of Mr. Abdullahi Abdul Rahman Ogole¹ for the membership of the group.

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

WG-IOA Agenda Item 7: Symposium during 23rd Congress in Mexico, 2017

16. 23rd ICID International Congress will be organized in Mexico in 2017 to deliberate on questions related to theme 'Modernizing Irrigation and Drainage for a new Green Revolution'. During the Congress a symposium on the topic 'Global review of institutional reforms in irrigation sector for sustainable water management, including water users associations', with invited country papers only, is also proposed to be organized. Since topic is very much relevant to the mandate of the WG, members may deliberate on the submission of country papers for their countries as well as coordinating the activities of the symposium.

WG-IOA Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

¹ Accepted as Provisional Member in absence of formal nomination from NINCID at Montpellier in October 2015

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Dr. Hafied Gany (Chair), Dr. Kazumi Yamaoka (Vice Chair), Mr. Madhav Belbase (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|------------------------------|------------------------------------|---|---|--|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Report, manuals, guidelines | Report | Prepare the first draft report | Release the second draft report | Finalise the draft report & publication | | Review of report |
| | | | | | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshop, Seminar and Symposium | Compilation of proceedings | Symposium | Symposium | Symposium | Symposium | |
| | | | | | | | |
| | 3.2 Condensed overview of existing key books, manuals, guidelines and other relevant publications on the topic | Synopsis | | Release the first overview | | Release the second overview | Release of third overview |
| | | | | | | | |
| | 3.3 Overview paper on the state of the art on the topic for publication in Irrigation and Drainage (IRD) | Paper | | Preparation of the draft of first paper | Submission of first paper for IRD | Preparation of the draft of second paper | Submission of second paper for IRD |
| | | | | | | | |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|---|------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | 3.4 Exchange of information, books and case studies on institutional and organizational | Case studies | Exchange of information | | Exchange of information | | Exchange of information |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |

A. Members and their attendance at 2015 meeting

| Sl. No. | Members | Member from (Year) | 2015 | | Remarks |
|---------|--|--------------------|----------------|--------------------------------|-----------------------|
| | | | Self | Contributed by mail | |
| 1. | VPH Dr. Hafied A. Gany, Chairman (Indonesia) | 2015 | • | | |
| 2. | Dr. Kazumi Yamaoka, Vice Chairman (Japan) | 2015 | • | | |
| 3. | Mr. Madhav Belbase, Secretary (Nepal) | 2015 | • | | |
| 4. | Mr. Hasan Basri Yuksel (Turkey) | 2015 | • | | |
| 5. | Mr. Philip J. Riddell (UK) | 2015 | # | | |
| 6. | Dr. Seong Joon Kim (Korea) | 2015 | | Accepted as Provisional Member | |
| 7. | VP Ding Kunlun (China) | 2015 | | Accepted as Provisional Member | |
| 8. | Mr. Franck Sanfilippo (France) | 2015 | | Accepted as Provisional Member | |
| 9. | VPH Franklin Dimick (USA) | 2015 | • | Accepted as Provisional Member | |
| 10. | Mr. Abdullahi Abdul Rahman (Nigeria) | 2015 | • | Accepted as Provisional Member | Recommended by NINCID |
| 11. | Secretary General, ICID | 2015 | # ² | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|------------------------|---------|--|
| 1 | Dr. Yu-Chuan Chang | Taiwan | Recommended by Chair subject to his presence or else Provisional Member |
| 2 | Houshang Hasouni Zadeh | Iran | Recommended by Chair subject to his/ her presence or else Provisional Member |



² # Through representation

**AGENDA FOR THE 2ND MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

9 November 2016, 13.30-15.00 hours (Session I)

9 November 2016, 15.30-17.00 hours (Session II)

Chiang Mai, Thailand

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope of work: To investigate, analyse, disseminate information on new developments and to formulate recommendations with respect to: Planning and preparation for modernization and revitalization of irrigation schemes; Interaction between modernization, revitalization and required operation and maintenance; Cost sharing for modernization, revitalization and required operation and maintenance; Institutional and organizational framework required for modernization, revitalization and operation and maintenance; Methods and techniques of lining of conveyance and distribution canals; Canal control systems with respect to their automation, using internet, mobile communication and remote monitoring in canal operation; Modification to improve communication, operational capacities and flexibility in operation and maintenance of systems; Standardization and codes of practice in irrigation systems.

WG-M&R Agenda Item 1: Action taken report by Chair

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-M&R Agenda Item 2: ICID Action Plan 2030 – Activities on modernization and revitalization

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. As part of the Implementation Roadmap (IR) adopted at the WWF7 number of action points for each focus areas were identified and WG discussed and developed actions to be implemented by the WG during the Montpellier meeting in 2015 (**Annex 1**). Based on these action points and mandate of the WG, an action plan for Vision 2030 for WG has been prepared in consultation with the WG Chair (refer **Annex 2**). WG will discuss and finalize the action plan of the group and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-M&R Agenda Item 3: Report on Modernization irrigation/ drainage for a new Green Revolution

4. At Montpellier meeting, WG deliberated and included in its work plan to finalize a report on “Modernization irrigation/drainage for a new Green Revolution” to be delivered as input to the 8th World Water Forum (WWF) in Brasilia in 2018 as an outcome of 23rd Congress at Mexico with the similar theme. In this connection WG is organizing a full day side event on the topic ‘New Developments in Irrigation and Modernization’ during WIF2 at Chiang Mai, Thailand which would act as the initiation of preparation of the WG-M&R program output, a publication titled “*Modernization irrigation/drainage for a new Green Revolution*” to be presented at the ICID 23rd Congress and 68th IEC in Mexico in 2017.

5. WG also considered to formulate an appeal on needs for modernization of irrigation system to policy-makers and decision-makers in governments, private sectors and international financial institutions. Chair will provide further updates in the matter.

WG-M&R Agenda Item 4: Outcome of the side event on ‘New Developments in Irrigation and Modernization’, November 2016, Chiang Mai

6. During the 2nd World Irrigation Forum (WIF2), the WG is organizing a full day Side Event on ‘New Developments in Irrigation Modernization’ on 7 November 2016 in Chiang Mai to discuss various aspects of modernization approach and process through key note address and invited case study presentations. As an outcome, WG is expected to adopt a working definition of irrigation modernization for use by ICID and others; and initiate development of guidelines for revitalization and modernization of irrigation services through a collaboration by ICID national committees, national research and extension organizations, farmer organizations and international institutions with irrigation portfolios viz. ADB, AfDB, FAO, IFAD, IWMI, and WB. Chairman may provide a brief outcome of the event at the meeting.

WG-M&R Agenda Item 5: Preparation of a paper on the status of modernization in countries around the world

7. At Montpellier, WG discussed the action points from Session 2.1.3 of WWF and suitably incorporated these action points in its work plan. During Montpellier meeting, the group agreed to establish a small working group/team to support initiative of Turkey in preparation of a paper on the status of modernization in countries around the world and also to develop guidelines for the design and maintenance of low pressure piped networks. Accordingly, in May 2016 the ICID Central Office requested Chairman to establish a small group and coordinate with member from Turkey (Mr. Meral Çiçek) to initiate action on preparation of paper and guidelines. Response is awaited. Chair/ a representative from Turkey will provide further updates in the matter. ICID Central Office in consultation with WG Chair developed broad outline for preparation of the case studies/ country papers in respect of modernization and revitalization of irrigation system (**Annex 3**). WG may review, discuss and finalise this outline so that there is uniformity in case studies / country papers from members and other professionals.

WG-M&R Agenda Item 6: Exchange of information, knowledge & networking - website

8. At Montpellier, Chair requested members for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments, methods and approaches. In May 2016, members were requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. In order to facilitate discussion among members, WG Chair has established a discussion forum on WG website. Members may like to further discuss how to make fruitful use of this discussion forum and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

9. During the Montpellier meeting, PCTA agreed to the establishment of a coordination mechanism consisting of respective Theme leaders and WGs Chair and Co-Chairs of WG-IDM, WG-M&R, WG-WATS, WG-SON-FARM and WG-PQW considering that mandate of these WG are related and complement/ supplement the work of each other. In May 2016, the ICID Central Office requested Chair to interact and coordinate with the Chairs of the above workbodies. Chairman will provide further updates in the matter.

WG-M&R Agenda Item 7: Updating Multilingual Technical Dictionary (MTD)

10. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-M&R Agenda Item 8: Review of membership of the working group

12. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, the Management Board (MB) has decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

13. The Pakistan National Committee (PANCID) has nominated Mr. Usman-e-Ghani for the membership of the group. The existing membership of the WG and new nominations are given at **Annex 4** (*see the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

WG-M&R Agenda Item 9: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ACTIONS TO BE IMPLEMENTED

| Action | Timeline | Coordinator | Implementation |
|--|-------------------|----------------------|---|
| ICID 66th IEC, establish Task Force on “Monitoring actions after WWF7” appoint coordinator for forwarding actions on irrigation modernization and develop inputs to WWF8 | 10.2015 - 03.2018 | ICID POs from IOs | Task Force will be established in Montpellier |
| November 2016, WIF2 and 67th IEC in Thailand, symposium on irrigation modernization in collaboration with other sectors and IOs | 11.2016 | ICID POs from IOs | In relation to Sub-theme 1. Key issues of irrigation and drainage in balancing water, food, energy and ecology FAO is planning to host a side event on the topic Irrigation Modernization |
| October 2017, ICID 23rd Congress and 68th IEC in Mexico, release an appeal on Modernization of irrigation to policy-makers and decision-makers of governments, private sectors and international financial institutions and formulate inputs to WWF8 in 2018 | -03.2018 | ICID POs from IOs | In consultation with MXCID WG-M&R will establish a small group to prepare the appeal |
| October 2015, ICID 66th IEC, establish WG on “Modernization and revitalization of irrigation schemes” and develop a scoping document | | ICID POs from IOs | The WG-M&R has been established and had its first meeting at the occasion of the Montpellier meeting |
| Work together with IOs and other Institutions: FAO, IWMI, ICARDA, ICBA, IFAD, ICOLD, IHA, ADB, AFDB, IADB, WB, WWC and Universities | -10.2021 | ICID POs from IOs | This item doesn't require a specific action, but has to be taken up in the other actions |
| November 2016, WIF2 and 67th IEC in Thailand, international workshop on new developments in irrigation modernization technology in collaboration with other sectors | | ICID POs from IOs | This will be taken up in relation to Topic 1.4. Innovations and extension under new irrigation and drainage performance and services requirements for national water and food security |
| October 2017, 23rd Congress and 68th IEC in Mexico discuss standards and codes of practice associated with irrigation design, installation and evaluation to address socio-economic and environmental effects | 10.2017 | ICID POs from IOs | There are already proposals for such an activity by New Zealand and Turkey. In addition Central Office requests young professionals who receive support to provide the standards and codes of practices of their countries. All members of WG-M&R are requested to submit the relevant documents of their countries. WG-M&R will establish a small group consisting of its members to analyse the standards and codes of practices and to come up with guidelines and recommendations |
| October 2017, 23rd Congress and 68th IEC in Mexico disseminate report on Modernization irrigation/drainage for a new Green Revolution including application to American continent | 10.2017 | ICID POs from IOs | WG-M&R will establish a small group consisting of some of its members to prepare the report. To a large extent the report can be based on the papers for Question 61: State of knowledge of irrigation techniques and practicalities within given socio-economic settings |

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VP Ian Makin (Chair), Dr. Dong Bin (Vice Chair), Engr. Muhammad Sani Bala (Secretary)

Date:

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|---|---|---------------------------------|--|-----------------------------|------------------------|------------------------|------------------------|
| | | | | | | | |
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Prepare position Paper on Key Issues on Modernization of Irrigation Schemes | A Position/Policy Paper of ICID | | Release at WWF8 in Brasilia | | | |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshops, Seminar and Symposium | Compilation of proceedings | Main Theme of Congress, Inputs to Congress | | | | |
| | | | | | | | |
| | 3.2 Exchange of information, knowledge, experience and networking | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | | | | | | | |
| | | | | | | | |

Agenda for the 2nd Meeting of WG-M&R (67th IEC) – (Ver. Dated 2016-10-04)

| | | Outcomes / Outputs | Milestone for Year2017 | Milestone for Year2018 | Milestone for Year2019 | Milestone for Year2020 | Milestone for Year2021 |
|--|--|--|-------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | Goal 5: Encourage research and support development of tools to extend innovation into field practices | 5.1 Preparation and presentation of Case studies | Compilation of Case Studies | 6 Case Studies | 2 Case Studies | 2 Case Studies | 2 Case Studies |
| | | 5.2 Prepare an overview paper on State of the Art on Modernization of Irrigation Systems | State of the Art Paper | State of the Art Paper Released | | | |
| | | | | | | | |
| | Goal 6: Facilitate capacity development | 6.1 Condensed overview of Key books, manuals and Guidelines | Book Overview | | | | |
| | | 6.2 Develop Guidelines for Modernization of Irrigation systems | Guidelines | | | Release Guidelines in WIF3 | |

MODERNIZATION AND REVITALIZATION OF IRRIGATION

Broad Outline for Case Study / Country Paper

(Guide – ideally about 9-10 pages – max length 14 pages)

1. **Introduction** – Very brief overview (**max 1.5 pages**)
 - (a) general country information such as topography, climate, agriculture and water resources development, and
 - (b) Irrigation and drainage development and achievements in the past
2. **Policy** – This section should briefly describe the (**max 1.5 pages**)
 - (a) challenges of food security,
 - (b) challenges of water scarcity,
 - (c) how irrigation water allocations are being effected,
 - (d) What are the shortcomings in irrigation systems,
 - (e) what strategies are being adopted, and
 - (f) how increasing more crop per drop challenge is being/ proposed to be met.
3. **Approach to modernization** – This section may include (**guide 1-2 pages**)
 - (a) details of the approach/ methodology adopted for modernization including
 - (i) stakeholders' consultation,
 - (ii) tools used for identification of components for modernization such as rapid appraisal, MASSCOTE, remote sensing and GIS etc.,
 - (b) components of modernization including cost estimates, benefits etc. and
 - (c) Funding mechanism
4. **Project information** – This section may include (**guide – up to 3 pages**)
 - (a) general information on project(s),
 - (b) its (their) performance in the past,
 - (c) identification of issues/concerns,
 - (d) need for modernization of the project(s);
 - (e) components of modernization of projects taken up, and
 - (f) component details etc.
5. **Implementation of modernization proposal** – This section may include (**Max 1.5 pages**)
 - (a) how modernization proposal was implemented,
 - (b) monitoring of project implementation,
 - (c) contribution from beneficiaries,
 - (d) how the need for new technology (if deployed) is being addressed.
6. **Lessons learnt including benefits from modernization** – This section may summarize (**Max 2 pages**)
 - (a) bottlenecks/issues/concerns faced during implementation,
 - (b) how these were overcome,
 - (c) lessons learnt from modernization process,
 - (d) impact and outcome of modernization of project etc.

7. **Way forward** – This section may provide **(Max 3 pages)**

- (a) summary and conclusions,
- (b) recommendations for future modernization plans,
- (c) roadmap for modernization of irrigation development in the country etc.
- (d) Funding required
- (e) Possible funding mechanism

References, maps, tables (as needed)



A. Members and their attendance at 2015 meeting

| Sl. No. | Members | Member from (Year) | 2015 | | Remarks |
|----------------------------|---|--------------------|----------------|---------------------|---------|
| | | | Self | Contributed by mail | |
| 1. | VP Ian Makin, Chairman (UK) | 2015 | • | | |
| 2. | Dr. Dong Bin, Vice Chairman (China) | 2015 | • | | |
| 3. | Engr. Muhammad Sani Bala, Secretary (Nigeria) | 2015 | • | | |
| 4. | Mr. Vyacheslav Rozhon (Ukraine) | 2015 | • | | |
| 5. | Mr. Mehrzad Ehsani (Iran) | 2015 | • | | |
| 6. | Ir. Eko Subekti (Indonesia) | 2015 | • | | |
| 7. | Dr. Yohei SATO (Japan) | 2015 | • | | |
| 8. | Mr. Bir Singh Dhimi, Young Professional (Nepal) | 2015 | • | | |
| 9. | Dr. Kwang-Sik Yoon (Korea) | 2015 | • | | |
| 10. | Mr. Mohd Yazid bin Abdullah (Malaysia) | 2015 | • | | |
| 11. | Ms. Meral Çiçek (Turkey) | 2015 | • | | |
| 12. | Mr. Puleng Mofokeng (South Africa) | 2015 | • | | |
| 13. | Dr. Brian T. Wahlin, Provisional Member (USA) | 2015 | | | |
| 14. | Secretary General, ICID | | | | |
| Permanent observers | | | | | |
| (i) | Mr. Alan Kendall Clark (UK) | 2015 | • | | |
| (ii) | FAO Representative (Ms. Robina Wahaj) | 2015 | # ¹ | | |

B. New nomination received from the National Committee

| Sl. No. | Name | Country | Remarks |
|---------|-------------------|----------|---|
| 1. | Mr. Usman-e-Ghani | Pakistan | Recommended by Chair subject to his presence or else Provisional Member |



¹ # Through representation

**AGENDA FOR THE 1ST MEETING OF
WORKING GROUP ON WATER SAVING IN IRRIGATED AREAS (WG-WATS)**

9 November 2016, 13.30-15.00 hours (Session I)

9 November 2016, 15.30-17.00 hours (Session II)

Chiang Mai, Thailand

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: (a) water accounting and irrigation auditing (and other ancillary uses); (b) irrigation water measuring devices; (c) assessment of water loss in various components of irrigation systems; (d) various methods and techniques used for water saving in irrigation; (e) policies and strategies for irrigation water saving; (f) charging for Irrigation Services; (g) success stories and best management practices in water saving; (h) tools and processes applied in irrigation water saving; (i) outreach of water saving technologies; and (j) WatSave Awards.

WG-WATS Agenda Item 1: Introduction of the new working group

1. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note.

2. The Council at its 66th International Executive Council (IEC) held in 2015 accepted the recommendation of the PCTA to establish a new Working Group on Water Saving in Irrigated Areas (WG-WATS) under the thematic area "Schemes" and NCs were requested to nominate experts dealing with the concerned topics and contribute to the activities for the Group. A notification was sent to NCs on 4 March 2016 for establishment of WG-WATS requesting them to nominate suitable experts as member of the group.

WG-WATS Agenda Item 2: ICID Action Plan 2030 – Activities on water saving in irrigated areas

3. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

4. Since no response was received from the WG, the Central Office has prepared a draft activity plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-WATS Agenda Item 3: Presentation by the WatSave Award winner(s)

5. During the Montpellier meeting, WG agreed to compile success stories and best management practices in water saving which includes techniques, technology, management and innovation and proposed that all those who have submitted their works through the National Committees for the Watsave Awards would be requested to share their respective works on water saving during WG meetings which would provide a very good opportunity for them to exchange the experiences among members.

6. In June 2016, Chairman Mehrzad Ehsani suggested to add one paragraph in the invitation for WatSave Award indicating that all nominees for works submitted for WatSave Awards would be invited to attend the events and present their work in the internal workshop of the WG during IEC meetings. WG is informed that 13 nominations were received for four categories of WatSave Awards viz. technology, management, YPF and farmer for 2016 awards. ICID Central Office, in consultation with the WG Chair, would invite the WatSave award winners who would be present during IEC meeting to receive award in person to share their experience and present their respective works either in the WG meeting or internal workshop of the WG.

WG-WATS Agenda Item 4: Dissemination of activities of WG – Website of the group

7. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments, methods and innovative water saving practices. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the web site of the WG. Members will discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

8. During the Montpellier meeting, PCTA agreed for establishment of a coordination mechanism consisting of respective Theme leaders and WGs Chair and Co-Chairs of WG-IDM, WG-M&R, WG-WATS, WG-SON-FARM and WG-PQW considering that the mandate of WGs are related and complement/ supplement the work of each other. In May 2016, CO requested Chair to interact and coordinate amongst Chairs of the above workbody. WG Chair will apprise further progress in the matter.

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

9. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-WATS Agenda Item 6: Review of membership of the working group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference.

12. In response to the invitation circulated by the ICID Central Office, South African National Committee (SANCID) has nominated Dr. Joe Stevens for WG's membership. Sudan National Committee (SNCID) has confirmed and recommended the nomination of Dr. Hassan Aboalbasher Ali (*accepted as Provisional Member in 2015*) for the membership of the group. The Indian National Committee on Surface Water (INCSW) has nominated Mr. Kamal Kumar Jangid for the membership of the group.

13. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 2** (*see the electronic version for the latest list*). New nominations, if any, for the membership received during the meeting will be dealt suitably after the meeting.

WG-WATS Agenda Item 7: Election of Secretary

14. The group may like to discuss the issue for electing a new Secretary at the meeting.

WG-WATS Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: Mr. Mehrzad Ehsani (Chair) and VPH Adama Sangare (Vice Chair)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|---|----------------------------|--------------------------------|--|-----------------------------------|--|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | 1.1 Develop guidelines on sustainable water management in irrigation | Guidelines | | Release the draft guidelines | Release the finalised guidelines | | Updation of guidelines |
| | | | | | | | |
| | 1.2 Report or case studies on recent development | Case studies | | A case study in arid and semi-arid zones | | A case study in arid and semi-arid zones | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Policy and legal approaches to Water Saving | Policies | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshop, Seminar and Symposium | Compilation of proceedings | | Workshop | | | Workshop |
| | | | | | | | |
| | 3.2 Overview paper on the state of the art on water saving for publication in Irrigation and Drainage (IRD) | Paper | | Preparation of the draft of first paper | Submission of first paper for IRD | Preparation of the draft of second paper | Submission of second paper for IRD |
| | | | | | | | |
| | 3.3 Condensed overview of existing key books, manuals, | Synopsis | | Release the first overview | | Release the second overview | Release of third overview |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|--------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | guidelines and other relevant publications on water saving | | | | | | |
| | | | | | | | |
| | 3.4 Best Practices and Successful Story on Water Saving | Documents | Milestone 1 | Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | 6.1 Training of managers to support adoption of available technologies | Training | Organize training | | Organize training | | Organize first training |
| | | | | | | | |
| | | | | | | | |

A. Members and their attendance at 2015 meeting

| Sl. No. | Members | Member from (Year) | 2015 | | Remarks |
|----------------------------|--|--------------------|----------------|--|---------------------------------|
| | | | Self | Contributed by mail | |
| 1. | Mr. Mehrzad Ehsani, Chairman (Iran) | 2015 | • | | |
| 2. | VPH Adama Sangare, Vice Chairman (Mali) | 2015 | • | | |
| 3. | Prof. (Ms.) Kyung-Sook Choi (Korea, Rep. of) | 2015 | • | | |
| 4. | VPH M. Hassan Amer (Egypt) | 2015 | • | | |
| 5. | Eng. S. Mohanarajah (Sri Lanka) | 2015 | | Accepted as Provisional Member however, there is no contribution since Montpellier meeting | Recommended for Discontinuation |
| 6. | Dr. Hassan Aboalbasher Ali (Sudan) | 2015 | | Accepted as Provisional Member and SNCID has recommended for the membership | Accepted as member |
| 7. | Dr. P. Soman – Direct Member, Jain Irrigation Systems Limited – JISL (India) | 2015 | | Accepted as Provisional Member at Montpellier, corresponded through email | Recommended as Observer |
| 8. | Mr. S.P. Jadhav – Direct Member, JISL (India) | 2015 | | Accepted as Provisional Member at Montpellier, corresponded through email | Recommended as member |
| 9. | Mr. Abijit Joshi – Direct Member, JISL (India) | 2015 | | Accepted as Provisional Member however, there is no contribution since Montpellier meeting | Recommended for Discontinuation |
| 10. | Secretary General, ICID | | | | |
| Permanent observers | | | | | |
| (i) | IWMI Representative (Mr. Ian W. Makin – UK) | 2015 | • | | |
| (ii) | FAO Representative (Ms. Robina Wahaj) | 2015 | # ¹ | | |

B. New nomination received from the National Committee

| Sl. No. | Name | Country | Remarks |
|---------|------------------------|--------------|---|
| (1) | Dr. Joe Stevens | South Africa | Recommended by Chair subject to his presence or else Provisional Member |
| (2) | Mr. Kamal Kumar Jangid | India | Recommended by Chair subject to his presence or else Provisional Member |



¹ # Through representation

**AGENDA FOR THE 1ST MEETING OF
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

9 November 2016, 13.30-15.00 hours (Session I)
9 November 2016, 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope: (a) water resource governance and integrated water resource management; (b) assessment of irrigation development potentials; (c) assessment of water demand; (d) development of water resources and economic scarcity of water; (e) social drivers and resistances to development of irrigation and progress in water management; (f) water balance approach in irrigation (and other ancillary uses); (g) management of multiple water resource (conjunctive use of surface and groundwater); (h) management of multi-use water service; (i) performance evaluation of irrigation schemes and benchmarking; (j) ways towards cost reduction alongside with performance improvement.

WG-IDM Agenda Item 1: Establishment of the new working group

1. At the 66th International Executive Council (IEC) held at Montpellier in October 2015, the Council accepted the recommendation of the PCTA that a new Working Group on Irrigation Development and Management (WG-IDM) be established under the thematic area “Schemes” and requested NCs to nominate experts dealing with the concerned topics to contribute to the activities of the group. National Committees were informed about the establishment of WG-IDM vide notification no.5 of 2016 dated 4 March 2016 and requested to nominate suitable experts as members of the WG.

2. During the last International Executive Council (IEC) all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Montpellier.

WG-IDM Agenda Item 2: Approval of IDM Scoping Document

3. Participants in the informal meeting of new Working Group on Irrigation Development and Management (WG-IDM) agreed that WG Scoping Document should be amended. The Chair will present a new version taking into account the recommendations made by participants in respect with WG's mandate/scope, as related at item A.3 of the minutes of the said meeting. The group will discuss this proposal and finalize the Scoping Document during the Chiang Mai meeting.

WG-IDM Agenda Item 3: ICID Action Plan 2030 – Activities on irrigation development and management

4. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID. In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

5. Since no response is received from the WG, the Central Office has prepared a draft action plan of the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the CG for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting.

WG-IDM Agenda Item 4: Presentation by the working members

6. In order to fulfill scope of the WG, members of the WG may like to make presentation as case study from their country on the topics covered under its mandate with focus on issues & challenges in irrigation development & management governance, multiple use of water, conjunctive use of water etc. In August 2016, ICID Central

Office requested members of the WG to make presentation at Chiang Mai meeting related to the activities of the group and get in touch with the Chairman well in advance of the meeting.

WG-IDM Agenda Item 5: Exchange of information, knowledge & networking – website

7. Members are requested for their active participation and contribution in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments, methods and irrigation management practices. In August 2016, Central Office requested members to provide information, papers, articles, presentations made on topics related to scope of the WG to the ICID Central Office for uploading on the web site of the WG. Members may like to discuss and evolve methodology for sharing of information and updation of WG website. In order to ensure regular contribution of the members, WG is encouraged to make full use of Web-Ex platform for virtual meetings in between face to face meeting during IEC.

8. During the Montpellier meeting, PCTA agreed to the establishment of a coordination mechanism consisting of respective Theme leaders and WGs Chair and Co-Chairs of WG-IDM, WG-M&R, WG-WATS, WG-SON-FARM and WG-PQW considering that mandate of these WG are related and complement/ supplement the work of each other. In May 2016, the ICID Central Office requested WG Chair to interact and coordinate with the Chairs of the above workbody. Chair may like to apprise further progress in the matter.

WG-IDM Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

9. At the 65th IEC, it was decided that ICID Central Office will bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

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

WG-IDM Agenda Item 7: Review of membership of the working group

11. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB had decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference. In response to the invitation circulated by the ICID Central Office, following nominations are received from the National Committees of Sudan, Australia, India, and Iran.

12. Accordingly, Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office have updated membership of the WG as given at **Annex 2** (see the electronic version for the latest list). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting. In August 2016, VPH Brelle has informed that since he has retired from the service, he would not be able to continue with activities of the WG and offered to resign from the Chairmanship of WG-IDM. The group may like to discuss and elect a new Chair for the group at the meeting.

WG-IDM Agenda Item 8: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Francois Brelle (Chairman), Ms. Mary Jean M. Gabriel (Provisional Vice Chair), Dr. Katsuyuki Shimizu (Secretary)

Date:

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|---|--|------------------------------|------------------------------------|--|------------------------------------|--|------------------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | | | | | | | |
| | 1.1 Develop guidelines on sustainable water management in irrigation | Guidelines | | Release the draft guidelines | Release the finalised guidelines | | Updation of guidelines |
| | | | | | | | |
| | 1.2 Report or case studies on recent development | Case studies | | A case study in arid and semi-arid zones | | A case study in arid and semi-arid zones | |
| | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | 2.1 Prepare report on water management of irrigation in arid and semi-arid areas | Report | Prepare the first draft report | | Release the second draft report | | Finalise the draft report |
| | | | | | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize Workshop, Seminar and Symposium | Compilation of proceedings | | Workshop | | | Workshop |
| | | | | | | | |
| | 3.2 Condensed overview of existing key books, | Synopsis | | Release the first overview | | Release the second overview | Release of third overview |

| | | Outcomes/ Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 |
|--|--|------------------------------|------------------------------------|---|------------------------------------|--|------------------------------------|
| | manuals, guidelines and other relevant publications on irrigation development | | | | | | |
| | 3.3 Overview paper on the state of the art on the topic for publication in Irrigation and Drainage (IRD) | Paper | | Preparation of the draft of first paper | Submission of first paper for IRD | Preparation of the draft of second paper | Submission of second paper for IRD |
| | | | | | | | |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |
| | | | | | | | |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | Milestone 1 | Milestone 2 | Milestone 3 | Milestone | Milestone 5 |
| | | | | | | | |

WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)

A. Members and their attendance at 2015 meeting

| Sl. No. | Members | Member from (Year) | 2015 | | Remarks |
|----------------------------|---|--------------------|------|--------------------------------|---------|
| | | | Self | Contributed by mail | |
| 1. | VPH Francois Brelle, Chairman (France) | 2015 | • | | |
| 2. | Ms. Mary Jean M. Gabriel, Provisional Vice Chair (South Africa) | 2015 | • | | |
| 3. | Dr. Katsuyuki Shimizu, Secretary (Japan) | 2015 | • | | |
| 4. | Mr. Mohammad Kazem Siah (Iran) | 2015 | | Accepted as Provisional Member | |
| 5. | Dr. Wu Jingwei (China) | 2015 | | Accepted as Provisional Member | |
| 6. | Ir. Mat Hussin Bin Ghani (Malaysia) | 2015 | • | | |
| 7. | Mr. Ming-Young Jan (Chinese Taipei) | 2015 | • | | |
| 8. | Mr. Waleed Hassan (Egypt) | 2015 | • | | |
| 9. | Secretary General, ICID | | | | |
| Permanent observers | | | | | |
| (i) | VP Ian Makin (UK) | 2015 | • | | |
| (ii) | VPH Hafied Gany (Indonesia) | 2015 | • | | |

B. New nominations received from the National Committees

| Sl. No. | Name | Country | Remarks |
|---------|---------------------------------------|-----------|---|
| (1) | Eng. Abd Elsalam Mohamed Salih Idriss | Sudan | Recommended by Chair subject to his presence or else Provisional Member |
| (2) | Dr. Amgad Elmahdi | Australia | Recommended by Chair subject to his presence or else Provisional Member |
| (3) | Mr. G.L. Bansal | India | Recommended by Chair subject to his presence or else Provisional Member |
| (4) | Dr. Narges Zohrabi | Iran | Recommended by Chair subject to his presence or else Provisional Member |



**AGENDA FOR THE 3RD MEETING OF THE
SUB-COMMITTEE ON THEMES, TOPICS AND WORK PLANS OF
FUTURE ICID EVENTS (SC-E-THEMES)**

09 November 2016: 08.00 – 09.00 Hours
Chiang Mai, Thailand

Terms of Reference (ToR): (i) To deliberate and recommend the Themes, Topics and Workplans of future ICID events including Congresses and World Irrigation Forums; (ii) To set out format and technical contents of the Congress and WIFs; (iii) To recommend optimal programme for the Congress to PCTA; (iv) To recommend to PCTA the topics of the two Questions; (v) To review the technical outputs and outcomes and suggest follow ups and (vi) To suggest changes in the composition and ToRs of the sub-committee.

Members: (1)) PH Bart Schultz (The Netherlands), Chair; (2) VPH Gerhard Backeberg (South Africa); (3) VPH Laurie Tollefson (Canada); (4) VPH Huseyin Gundogdu (Turkey); (5) VPH Dr. Ragab Ragab (UK); (6) VPH Chaiwat Prechawit, (THAICID Rep., Host NC of 2nd WIF); (7) Mr. Va-son Boonkird, (THAICID, Alternate); (8) Dr. Luis R. Pimentel, President, MXCID, Host NC of 23rd Congress; (9) Ing. Waldo Bustamwante (MXCID, Alternate) and (10) Er. Avinash C Tyagi, Secretary General, ICID (Resource Person).

Sub-Committee Agenda Item 1: ATR on the Minutes of the 2nd Meeting of Sub-Committee

1. During the last International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the SC for those members of the SC who are unable to attend the meeting physically and to continue their contributions. SC may please take note. An Action Taken Report on the minutes of the 2nd meeting of Sub-Committee is placed at **Annex 1**. The Chair may apprise the members.

Sub-Committee Agenda Item 2: Review of the Name, ToR and Membership of the Sub-Committee

2. In pursuance of Resolution IEC-2/64, the constitution of Sub-Committee to deliberate upon the Themes, Topics and Workplans of the future ICID Events including Congresses and World Irrigation Forums under PCTA, was notified vide Notification No.3 of 2014 dated 09 January 2014, with the following terms of reference.

- (i) To deliberate and recommend the Themes, Topics and Workplans of future ICID events including Congresses and World Irrigation Forums
- (ii) To set out format and technical contents of the Congress and WIFs
- (iii) To recommend optimal programme for the Congress to PCTA
- (iv) To recommend to PCTA the topics of the two Questions,
- (v) To review the technical outputs and outcomes and suggest follow ups
- (vi) To suggest changes in the composition and ToRs of the sub-committee

3. The main objective of the creation of this Sub-Committee was 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 other thoughts that could influence the selection of ToRs for the Sub-Committee are:

- (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 to meet the overall objects of the commission.

4. It has also been notified that the composition of the Sub-Committee shall be revisited during the IEC of the Congress year, replacing 50 percent of its members. However, with the change in the composition of MXCID, it is proposed to replace Dr. Luis Pimentel, with Lic. Roberto Ramírez de la Parra, the new President of MXCID to represent the host NC of 23rd ICID Congress.

5. In view of the creation of the Sub-Committee under PCTA with the ToRs mentioned at para 2, the C-CONGR has revisited its mandate and accordingly approved a revised mandate, concentrating on the logical and

administrative aspects of all ICID events – Drainage Workshops, Micro Irrigation Conferences, Regional Conferences, Triennial Congresses and WIFs.

6. Therefore, it has been proposed that Sub-Committee be renamed and mandated to look after the technical aspects of only World Irrigation Fora and International Congresses on Irrigation and Drainage while the technical aspects of regional conferences be looked after by the respective regional working groups such as international micro irrigation conference by WG-CROP and International Drainage Workshops by WG-SDG. A note to this effect is attached as **Annex 2** that will be presented to PCTA for its consideration. The Chair may apprise the members.

Sub-Committee Agenda Item 3: Theme and Topics for future Congresses

Sub-Committee Agenda Item 3.1: 23rd ICID Congress, Mexico City, 8-14 October 2017

7. The descriptions/scope of the two Congress Questions, the Special Session and the Symposium have been formulated and have been finalized for due consideration by the International Technical Advisory Committee (ITAC) of the 23rd ICID Congress that has been constituted vide Notification No.14 of 2016 dated 21 April 2016 under the chairmanship of VPH Felix B. Reinders. VPH Felix Reinders (South Africa) will present ITAC's view on the descriptions/scope.

Sub-Committee Agenda Item 3.2: 24th ICID Congress, 2020

8. Although the venue for the 24th ICID Congress is yet to be decided, the Sub-Committee suggested the following topics for the Main Theme and the Questions for the Congress in its last meeting at Montpellier (2015):

- Main Theme: Innovation and research in agricultural water management to achieve sustainable development goals;
- Question 62: What role can information and communication technology play in travelling the last mile?
- Question 63: What role is played by multi-disciplinary dialogue to achieve sustainable development goals?

9. The suggested theme and topics were approved by PCTA. Further formulation of the topics of the Special Session and the Symposium as well as the preparation of the detailed descriptions/scope will be done in consultation with the host National Committee and ITAC to be constituted for this purpose.

Sub-Committee Agenda Item 4: Theme and Sub-Themes for the 3rd World Irrigation Forum, 2019

10. Although the venue for the 3rd World Irrigation Forum (WIF3) is yet to be decided, the Sub-Committee suggested the following topics for the Main Theme and the Sub-Themes of WIF3 at Montpellier meeting (2015).

- (a) Main Theme: Development for water, food and nutrition security in a competitive environment;
- (b) Sub-Theme 1: Enabling policy environment for water, food and energy;
- (c) Sub-Theme 2: Role of small sector civil society and NGOs with focus on farmers and extension facilities;
- (d) Sub-Theme 3: Improving agricultural water productivity with focus on rural transformation.

11. The suggested theme and sub-themes were approved by PCTA. Further preparation of the detailed descriptions/scope will be done in consultation with the host National Committee and ITAC to be constituted for this purpose.

Sub-Committee Agenda Item 5: Review of formats and technical contents of future ICID Congresses and WIFs

Sub-Committee Agenda Item 5.1: Format and Technical Contents for future Congresses

12. The format and contents for future Congresses were approved by PCTA in its meeting in Montpellier (2015). Based on the experiences with the 23rd Congress, they can be updated as appropriate.

Sub-Committee Agenda Item 5.2: Format and Technical Contents for future WIFs

13. The format and contents for future WIFs were approved by PCTA in its meeting in Montpellier (2015). Based on the experiences with the WIF2, they can be updated as appropriate.

Sub-Committee Agenda Item 6: Any Other Business



ACTION TAKEN REPORT
Second Meeting of SC-E-THEMES
 15 October 2015, Montpellier, France

| Item | PCTA Recommendation | Decision of 65 th IEC | Action Taken |
|--|--|---|--|
| 3. Theme and Topics for future Congresses | | | |
| 3.1 23rd ICID Congress, Mexico City, 8-14 October 2017 | | | |
| | Accepted the recommendation of Sub-Committee to set up an International Technical Advisory Committee (ITAC) for 23 rd ICID Congress to develop the scope of the Congress. | Accepted the PCTA recommendation as per Resolution IEC-3/66 (Sr. No.4). | ITAC for 23 rd ICID Congress has been constituted vide Notification No.14 of 2016 dated 21 April 2016. |
| 3.2 24th ICID Congress, 2020 | | | |
| | 14. Accepted in principle the suggested topics for the Main Theme and the Questions 62 and 63 of the Congress. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | Host NC is yet to be identified. |
| 4. Theme and Sub-Themes for future World Irrigation Forums | | | |
| 4.1 2nd World Irrigation Forum, Chiang Mai, Thailand, 6-12 November 2016 | | | |
| | Accepted in principle the topics for Sub-Themes which have been updated and approved by ISC for WIF2 as reported by Sub-Committee | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | ITAC which has already held four meetings and ISC, two meetings constantly monitoring the progress in the technical aspects of the events and provide guidance to the Host NC. |
| 4.2 3rd World Irrigation Forum, 2019 | | | |
| | Accepted the suggested topics for the Main Theme and three Sub-Themes for the 3 rd WIF. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | Host NC is yet to be identified. |
| 5. Review of formats and technical contents of future ICID Congresses and WIFs | | | |
| 5.1 Format and Technical Contents for future Congresses | | | |
| | Adopted the suggested format for future ICID Congresses. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | The Congress programme has been developed as per the adopted format. |
| 5.2 Format and Technical Contents for future WIFs | | | |
| | Adopted the suggested format for future WIFs. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | The WIF programme has been developed as per the adopted format. |
| 5.3 Develop Standard Format for proposing International Workshops during ICID Annual Meetings | | | |
| | Approved the standard format for submitting proposal for organizing international workshops during IEC meetings. | Endorsed vide Resolution No.IEC-3/66 (Sr. No.4) | Disseminated the adopted format among all concerned. |



PERMANENT MECHANISM TO SELECT THE THEMES FOR VARIOUS ICID EVENTS

In order to fulfill its mission ICID organizes triennial congresses and world irrigation forums at the time of annual Council meetings. In addition, international drainage workshops (every 3-5 years), international micro irrigation conferences (every 5-7 years), regional conferences often before the annual IEC meetings, are also organized. This note is prepared to lay down the procedure ensure an oversight mechanism to guide the technical contents of these events.

As per ICID By-laws, 3.9.4 (a), the Permanent Committee for Technical Activities (PCTA) shall be concerned with all the technical activities including the selection of the Questions/Themes for the Congresses/Forum, Conferences, Special Sessions, Symposia, etc., for the settlement of the technical conclusions thereof and for making appropriate recommendations for action thereon.

In practice, the selection process of the themes of technical activities of ICID is essentially consultative. The Committee on Congresses/Conferences (C-CONGR) is responsible for recommending improvements to the above process. That Committee comprises representatives of the immediate past and future IEC host countries, and naturally tend to focus on their own concerns rather than wider technical issues, with little continuity and long-term perspective.

With the sole objective 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 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.

Accordingly, a Sub-Committee to deliberate upon the Themes, Topics and Workplans of the future ICID Events including Congresses and World Irrigation Forums under PCTA, has been constituted with the following Terms of Reference.

- (i) To deliberate and recommend the Themes, Topics and Workplans of future ICID events including Congresses and World Irrigation Forums
- (ii) To set out format and technical contents of the Congress and WIFs
- (iii) To recommend optimal programme for the Congress to PCTA
- (iv) To recommend to PCTA the topics of the two Questions,
- (v) To review the technical outputs and outcomes and suggest follow ups
- (vi) To suggest changes in the composition and ToRs of the sub-committee

It has also been notified that the composition of the Sub-Committee shall be revisited during the IEC of the Congress year, replacing 50 percent of its members.

However, in view of the creation of the Sub-Committee under PCTA which is mandated to select the themes for various ICID events, the Committee on Congresses and Conferences (C-CONGR) reviewed its mandate at its 26th meeting in Montpellier where on recommendation of PCSO, the Council approved the revised revised mandate of C-CONGR (*Item 8.2, Para 25 of 66th IEC Minutes*). The revised mandate of C-CONGR thus approved and as given below, mainly focus on the smooth conduct of all ICID events, including Congresses and WIFs, based on the lessons learnt as the Committee composed of members drawn from the National Organizing Committees of NCs hosting ICID events.

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

There has been a general opinion is that a balance should be found between global issues and practical solutions as they are inseparable. This led to the initiation of World Irrigation Forum that has provided a clear path to balance these two objectives. WIF, where the effort is to bring together all the stakeholders engaged in agriculture water

management provide the perfect stage to discuss the global issues through a main theme and with three sub-themes focusing on policy, financing and IWRM approaches.

At the triennial Congress, ICID addresses a main theme on an issue common to irrigation, drainage and flood management as a whole and two Congress questions that require deliberated response from and closer collaboration between experts working in separate specialized fields under different working groups.

However, it is often observed that the multi-disciplinary attendance at the conferences is not enough to simulate a dialogue between experts in different disciplines. The practice of too many parallel workshops and meetings does not stimulate that dialogue.

Hence, at the 65th IEC meeting held in Gwangju, Korea, the Council adopted the ‘Guiding Principles for choosing the Themes for future ICID events’ such as ICID Congresses and World Irrigation Forums and also the guidelines for distinguishing the two triennial events - Congress and WIF - from each other in all its aspects and conduct, as narrated below:

(a) Guiding Principles

- (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.

(b) ICID Congress

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.

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.

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.

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.

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

(c) World Irrigation Forum

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.

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.

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.

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.

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

In view of the adoption of the revised mandate for C-CONGR in order to allow it to focus on the organizational matters of various ICID events as its composition suggests, reporting to PCSO; it is advisable that the mandates of the following workbodies under PCTA and Regional Working Groups under PCSO be reviewed so that they could develop the themes and scope and take care of the technical aspects of following ICID Events. In case of Regional Events such as Asian Regional Conference, African Regional Conference, etc., the Chair or the representative of the RWG may present the technical aspects at the PCTA for its consideration and recommendation to IEC for approval.

PROPOSAL

As there are specific workbodies for regional activities and the subjects such as international micro irrigation conference, international drainage workshop, regional conferences, etc., it has been felt that the themes and topics for flagship events of ICID, viz. International Congresses and World Irrigation Forums should be developed by a dedicated Sub-Committee under PCTA. Hence, it is proposed to rename the Sub-Committee to deliberate upon the Themes, Topics and Workplans of the future ICID Events including Congresses and World Irrigation Forums under PCTA suitably and its terms of reference may be reviewed, in order to dedicate the sub-committee to select the theme and sub-themes for WIFs and theme and questions for ICID Congresses.

The mandate of the technical workbodies under PCTA and regional working groups under PCSO may also be revisited to make it amply clear that the topics of international micro irrigation conferences, international drainage workshops and regional conferences may be selected by them.

(1) Congresses and WIFs

The title and mandate of the Sub-Committee to deliberate upon the Themes, Topics and Workplans of the future ICID Events including Congresses and World Irrigation Forums under PCTA be revised to 'Sub-Committee to Formulate Themes, Topics and Workplans for the ICID Congresses and WIFs (SC-THEMES-CONGR-WIF). The mandate of the Sub-Committee may also be accordingly reviewed.

(2) International Micro Irrigation Conference

It would have been appropriate if the Working Group on Water and Crops (WG-CROP) under PCTA may be entrusted with the task of formulating the theme and developing the scope for International Micro irrigation Conference. The mandate of the WG as given below may be reviewed to include this aspect.

Mandate: (a) To promote the efficient use of water in crop production; (b) To provide input to test crop water models; (c) To investigate the use of energy crops for biofuel production; (d) To develop techniques for rainfall harvesting; (e) To promote the multi-functionality of water use in paddy rice cultivation; (f) To investigate the adaptation of agriculture to climate change; and (g) To promote low input agriculture.

(3) International Drainage Workshops

The theme and scope for the International Drainage Workshops may be formulated by the Working Group on Sustainable Drainage (WG-SDG) reporting to PCTA and accordingly, its mandate as given below may be reviewed to reflect this aspect.

Mandate: (a) To promote drainage as part of integrated water resources management; and (b) To promote sustainable approaches for drainage and related projects through a balanced integration of (i) environmental, (ii) economic, and (iii) social and cultural aspects. The WG will work on – (a) Soil management and (integrated) water (resources) management; (b) Traditional and wise drainage management including (i) dry drainage and bio drainage, (ii) arid and semi-arid zones v/s rain fed zones, and (iii) controlled drainage and regulated drainage; (c) Operation and maintenance; (d) Promotion of multi-stakeholders approaches; (e) Reuse and multiple uses; (f) Promotion of risk assessment under global change, and (g) Assessment of drainage needs.

(4) Regional Conferences

(i) Asian Regional Conference#

The Asian Regional Working Group (ASRWG) may develop the theme and sub-themes for Asian Regional Conference and the same may be routed through PCTA for its consideration and recommendation to IEC. The current mandate of ASRWG is as follows:

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.

(ii) African Regional Conference

The themes for the African Regional Conference may be developed by the African Regional WG (AFRWG) and may be put up to PCTA for its consideration and deliberations. The current mandate of AFRWG is as follows:

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.

(iii) European Regional Conference

The themes for the European Regional Conference may be developed by the European Regional WG (ERWG) and may be put up to PCTA for its consideration and deliberations. The current mandate of ERWG is as follows:

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.

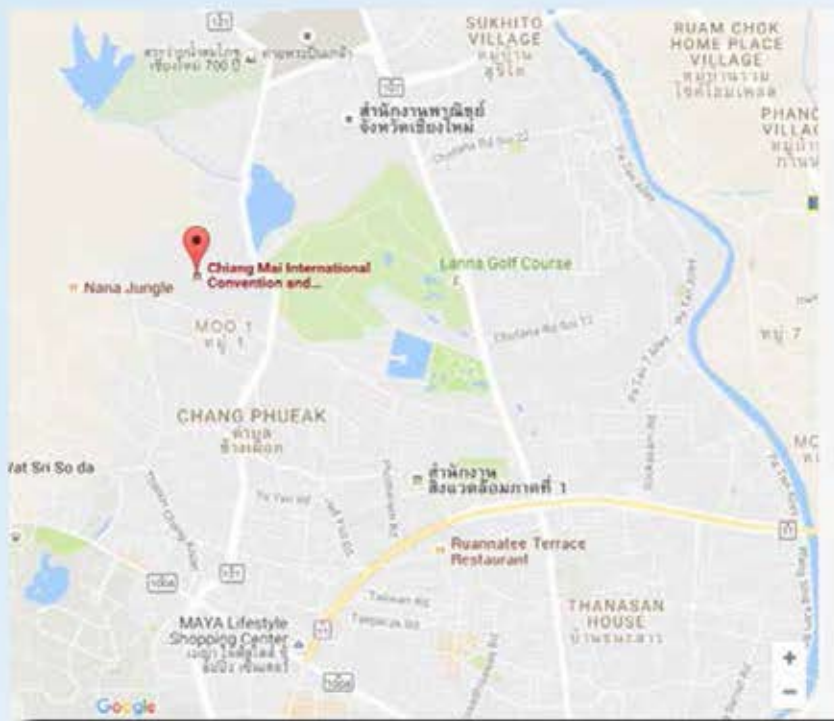
(iv) Pan-American Regional Conference

The themes for the Pan-American Regional Conference may be developed by the American Regional WG (AMRWG), to be revitalized, and may be put up to PCTA for its consideration and deliberations. The current mandate of AMRWG is as follows:

Mandate: (1) To assist in the development of broad-based ICID National Committee in Americas, (2) To obtain and disseminate information on irrigation and drainage in Americas, (3) To organize national and international discussions on relevant scientific and technical issues, and (4) To provide the catalyst for promoting better contact with the ICID and other relevant international organizations.

Since AMRWG is currently placed on inactive status due to lack of attendance, in case of any Pan-American Regional Conference is approved to be organized, the PCTA itself could formulate its themes and technical aspects by forming a Regional Technical Advisory Committee (RTAC) for the purpose.





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