

**AGENDA FOR THE 7<sup>TH</sup> MEETING OF THE  
WORKING GROUP ON INSTITUTIONAL AND ORGANIZATIONAL ASPECTS OF  
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

28 November 2021, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)  
Marrakesh, Morocco

**Strategy Theme: Schemes**

**Submitted by the Chairman**

**Year of Establishment: 2015**

**Completion of the Mandate: 2023**

**Scope:** The WG will investigate, analyse and disseminate information and knowledge on following issues: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/ drainage services and determination of level of cost recovery.

**Webpage:** [http://icid-ciid.org/inner\\_page/115](http://icid-ciid.org/inner_page/115)

**WG-IOA Agenda Item 1: Action taken report by Chair<sup>1</sup>**

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held in July 2021.
2. The Indian National Committee on Irrigation and Drainage (INCID) has nominated Dr. Neelam Patel and Dr. Sunil D. Gorantiwar (India) for the membership of the working group. During the virtual meeting of WG-IOA held on 23 July 2021, Dr. Neelam Patel and Dr. Gorantiwar were present and introduced themselves and WG accepted them as member of the group. In September 2021, Chinese National Committee (CNCID) has nominated Dr. Niannian Yuan – Young Professional (China) for the membership of the group.
3. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

**WG-IOA Agenda Item 2: Brief of the virtual meetings organized in March and July 2021**

4. During the second monthly meeting on 7 June 2021, ICID President Dr. Ragab Ragab (UK) discussed various activities of the ICID. During the monthly virtual meeting, President Dr. Ragab has suggested ICID Central Office to contact the Chair/ Vice Chair/ Secretary of the working group and request them to organize at least two virtual meetings in a year apart from the physical meetings organized during the annual IEC meetings of ICID. Accordingly, ICID Central Office has communicated with Chair/ Vice Chair and Secretary to organize virtual meeting.
5. In response, the group under the Chairmanship of Dr. Hafied Gany has organized the first zoom meeting on 16 March while the second zoom meeting on 23 July 2021. During the virtual meetings, Chair discussed various activities

<sup>1</sup> This will also include details of membership of WG as **Annex**

being undertaken by the WG as part of Road Map to ICID Vision 2030, preparation of chapters and time schedule for the final report of the WG, organization of international workshop, etc. Minutes of the virtual meetings of all work body have been uploaded on a dedicated webpage - "[ICID Workbodies Virtual Meeting](#)". Brief of the virtual meetings were as follows:

6. Considering the overall time frame and the availability of time for discussion of the draft report of WG-IOA through virtual meetings and/or webinars, the WG agree to encourage active participation of the members of WG-IOA and collaborative supports of other ICID Working Groups, Task Forces and Central Office of ICID, as per the following time frame:

- (a) Completion of final draft will be done after incorporating the Report and Papers of last International Workshop of WG-IOA on Public and Private Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management, which would be conducted at the 72<sup>nd</sup> IEC meeting of ICID in Marrakech, Morocco from 24-28 November 2021.
- (b) Discussion of the final draft through the 8<sup>th</sup> meeting of WG-IOA at the 73<sup>rd</sup> IEC meeting of ICID in Adelaide Australia in October 2022.
- (c) Finalization of the Final Report, publish and launch the report during the 74<sup>th</sup> IEC meeting of ICID, 16-22 April 2023 in Beijing, China - will be done by means of e-Publication after necessary editing and formatting with the support of Central Office of ICID.
- (d) Alternatively, due to one reason or another, reserve to launch the Final Report during the 75<sup>th</sup> IEC meeting of ICID in November 2023 in Visakhapatnam (Vizag), Andhra Pradesh State, India, which is still within the time frame of WG-IOA.

**WG-IOA Agenda Item 3: Road Map to ICID Vision 2030 – Status of activities on institutional and organizational aspects of irrigation**

7. During virtual meeting, the group reviewed and discussed the Road Map to ICID Vision 2030 as part of the activities on institutional and organizational aspects of irrigation (**Annex 2**). Understanding the overall situation of COVID-19 pandemic all over the world, the group felt that it is not possible to achieve overall target of WG-IOA and suggested an update concerning WG-IOA under Strategy C4 (activity 4.11) as part of Road Map of to ICID Vision 2030. Chair in consultation with the members may update the Road Map as per the extension of the completion of the mandate.

**WG-IOA Agenda Item 3. 1: Publication of the WG**

8. During the virtual meeting, Working Group members proposed that the provisional topic of final report of IOA would be "Institutional and organizational reform in irrigation and drainage sector for sustainable agriculture water management". Dr. Qazi Tallat Mahmood Siddiqui (Pakistan) volunteered to help in preparing the draft of the general structure of the Final Report (Completion of Mandate of WG-IOA) and distribute the draft through e-mail to the members of WG-IOA for subsequent discussion during the quarterly virtual meeting and subsequently sharing the responsibility for preparation of the draft report among the members of WG-IOA. In January 2021, Central Office contacted Dr. Qazi Tallat Mahmood Siddiqui and requested to prepare the draft of the general structure of the Final Report (Completion of Mandate of WG-IOA) and distribute the same to members of WG-IOA for subsequent discussion during the virtual meeting however, response is awaited.

9. Working Group also agreed to compile all the "Outputs" as per Road Map for supporting the completion of its mandate in 2021, by virtue of "investigate, analyse and disseminate information and knowledge among the issues of IOA such as Legal Framework and Organizational Structures of WUA, PIDM, IDMT, and PPP in irrigation/drainage". Members were of the view that COVID-19 pandemic delaying various activities of the WG and the final report of WG-IOA is likely to be delayed and would need extension till the 74<sup>th</sup> IEC and WIF4 in 2023 at Beijing China ( or possibly beyond till 75<sup>th</sup> IEC and 25<sup>th</sup> Congress at Vishakhapatnam, India in November/December 2023).

10. In January 2021, Central Office requested all members to contribute to the activities of the group as per Road Map for supporting the completion of its mandate. In response, in July 2021, VPH Ding Kunlun (China) has shared the draft of the Chapter 4 titled "Observed Impacts of PIM" to Chair. Similarly, Mr. Taku Mori (Japan) has shared the draft of the chapter 2 titled "Legal Frameworks" as contribution to the final report to Chair.

11. During the virtual meeting on 23 July 2021, Dr. Sunil D. Gorantiwar (India) offered to contribute to the chapter-3 “Participatory Irrigation / Drainage Management (PIDM) and Irrigation / Drainage Management Transfer (IDMT)” while Dr. Neelam Patel (India) offered to contribute to the chapter 6 “Way Forward and Recommendations”. Chair welcomed and appreciated them for the offer. In July 2021, Central Office shared the summary and country papers of the Symposium held in 2017, as reference materials to Dr. Sunil and Dr. Neelam and requested them to prepare the draft chapter in consultation with the Chair. Chair will provide further updates at the meeting.

**WG-IOA Agenda Item 4: Presentation by the Working Group Members**

12. Webinar titled “General Challenges of Irrigation Schemes Management under Different Scales: With Special Consideration on Institutional and Organizational Aspects of System Management” was delivered by Chair Dr. Hafied A. Gany on 21 January 2021. The webinar was about the general observation on mediation of underlying challenges of irrigation schemes management under different scale of land holding condition of the farmer in the small medium and large irrigation areas by considering appropriate institutional and organizational arrangement toward sustainable management of irrigation for improving resilience of irrigated agriculture with sustainable agricultural productivity. Irrigation management under the small, medium and large irrigation schemes are being continuously challenged by inappropriate irrigation efficiency due to poor maintenance of irrigation infrastructures under the poor management performances of WUAs, and competitive use of irrigation water.

13. The webinar explored several systems with different scale schemes, including adaptation to climate change and population dynamics by implementing ‘Smart Irrigation Management System (SIMS)’ using advanced Information and Communication Technology (ICT) through sustainable capacity building, extension services as well as research and development support services. A dedicated website for the webinar has been established by the Central Office wherein all recordings are available at - [https://icid-ciid.org/inner\\_page/66](https://icid-ciid.org/inner_page/66). Members of the group are encouraged to volunteer and make a presentation during the meeting on the topic related to the mandate of the working group.

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

14. Dr. Yu Chuang Chang (Chinese Taipei Committee), the member of WG-IOA was assigned to represent the WG-IOA during TF-MTD meeting. However, due to paucity of time, the item was not discussed in 2020 and postponed to the next meeting. In January 2021, Central Office requested members of the group to get in touch with Dr. Chang and contribute in updating the Multilingual Technical Dictionary (MTD). Dr. Chang will provide further updates at the meeting.

**WG-IOA Agenda Item 6: International Workshop on “Public-Private-Partnerships (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management”, November 2021, Marrakesh**

15. The International Workshop on "Public Private Partnerships (PPPs) in Irrigation and Drainage Operation and Maintenance towards Sustainable Agricultural Water Management" planned during 5<sup>th</sup> AfRC and 71<sup>st</sup> IEC at Marrakesh, Morocco had to be postponed due to postponement of 5<sup>th</sup> AfRC to 2021 due to global COVID-19 pandemic situation. For effectiveness of the workshop, the group agreed to implement face-to-face workshop instead of virtual meeting on the upcoming ICID events either in Morocco in 2021 or Australia in 2022. The workshop which entitled Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward sustainable Irrigated Agricultural water management, which is one of the three consecutive workshops based on Mexico Symposium 2017 as foundation for providing materials related with important part of mandate of WG-IOA and hence this workshop is highly important to implement before the final report on mandate of WG-IOA be completed.

16. In consultation with the Chair, in June 2021, Central Office contacted the author(s) of the abstract(s) and requested them to prepare their full-length paper for the International Workshop and submit the same to Chair. Chair will provide further updates at the meeting.

**WG-IOA Agenda Item 7: Any other business**

17. **ICID Members' Profile Section:** As a new initiative, ICID has launched a new website (<https://icid-ciid.org>) as part of ICID's 70th Anniversary Celebration to meet the new web technologies. One of the newly added web features provides WG members access to their profile section using their dedicated account. ICID CO vide email dated 9 July 2021 < <https://icid.bmeurl.co/C7D4D2E> > informed all members on how to access their account and change their password to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

**18. Register on World Irrigation Projects (WIP):** ICID has taken an initiative to document the development of irrigation projects in the world by establishing an online Register on “World Irrigation Projects (WIP)”. WIP will fulfill the need for a much-awaited global repository of information in systematic irrigation and agricultural water management. Irrigation projects having 5000 Hectares and above of Gross Command Area can submit their information for inclusion in the register. The irrigation projects approved by National Committee/ ICID Central Office for inclusion are entitled to Certification. Members are also requested to encourage all irrigation project owners, managers, and researchers across the world and especially in our member countries for contributing to the register. This facility is also extended to non-member countries if the information is received from an authorized agency. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.



**NOTES FOR CHAIRPERSON:**

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Marrakesh, Morocco after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 29 November 2021.

**A. Members and their attendance at 2019 and 2020 meetings**

Sl. No.	Members	Member from (Year)	2019		2020		Participated in virtual meeting (March/ July 2021)	Remarks
			Self	Contributed by mail	Self	Contributed by mail		
1.	VPH Dr. Hafied A. Gany, Chairman (Indonesia)	2015	•	•	•	•	•	
2.	Dr. Keigo Noda, Vice Chairman (Japan)	2020			•		•	
3.	Mr. Taku Mori, Secretary (Japan)	2020			•		•	
4.	Mr. Hasan Basri Yuksel (Turkey)	2015				•		
5.	Mr. Philip J. Riddell (UK)	2015				•		
6.	VPH Ding Kunlun (China)	2015		•		•	•	
7.	VPH Franklin Dimick (USA)	2015		•	•	•		
8.	Mr. Abdullahi Abdul Rahman (Nigeria)	2015		•				
9.	Dr. Yu-Chuan Chang (Chinese Taipei Committee)	2016	•					
10.	Dr. Qazi Tallat Mahmood Siddiqui (Pakistan)	2017			•	•		
11.	Eng. Sabreen Abdalradha Charloob Obied Subah (Iraq)	2020				•		
12.	Eng. Raghad Sami Aljanabi (Iraq)	2020				•	•	
13.	Secretary General, ICID				# <sup>2</sup>		#	

**B. New nominations received from the National Committee**

No.	Name	Country	Remarks
1.	Dr. Neelam Patel	India	Recommended as member as she participated in the virtual meeting on 23 July 2021
2.	Dr. Sunil D. Gorantiwar	India	Recommended as member as he participated in the virtual meeting on 23 July 2021
3.	Dr. Niannian Yuan – Young Professionals	China	Recommended as member, subject to her presence else provisional member



<sup>2</sup> Through representation

**ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES**

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for year 2022	Milestone for year 2023
<b>Goal A: Enable higher crop productivity with less water and energy</b>									
<b>A4. Strategy:</b> Promoting institutional reforms	4.1 Introduce suitable institutional setup	Guidelines		Prepare the first draft report		Finalise the draft report & publication			
<b>A6. Strategy:</b> Improving performance of irrigation systems	6.3 Facilitate policy analysis for improved water governance with a focus on agricultural water management and sustainable rural development.	Technical Paper							
	6.4 Develop generalized legal regulations (guidelines) and implementing changes in the public and private sectors of agriculture and water economies of the countries	Guidelines							
	6.5 Implementing changes in the public and private sectors of agriculture and water economies	Position paper							
<b>A8. Strategy:</b> Encouraging Participatory Management of Irrigation Systems									
<b>Goal C: Facilitate exchange of information, knowledge and technology</b>									
<b>C1. Strategy:</b> Providing knowledge sharing platform for AM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium			
<b>C4. Strategy:</b> Compile, collate and share knowledge	4.10 Condensed overview of existing key books, manuals,	Technical report		Release the first report		Release the second report	Release of final report		

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for year 2022	Milestone for year 2023
and experiences	guidelines and other relevant publications on the institutional, organizational aspects of irrigation management								
	4.11 Overview paper on the state of the art on the IOA of I&D in Irrigation and Drainage (IRD)	Paper	Paper; Workshop; Symposium.	Preparation of the draft of papers on IOA of IDM	Submission of the published paper by ICID-Wiley Publication: "Global Review of Institutional Reform....."	Submission of the published paper by ICID-Wiley publication: "Present Status and development ..... to ICID Vision 2030 (AXEL IRD 2303)	Preparation of the draft of Final Report of WG-IOA (to be reviewed and discussed on 7 <sup>th</sup> WG-IOA meeting, the 72 <sup>nd</sup> IECM in Adelaide, July 2021)	Submission of the Final Report of WG-IOA (to be launched at the 73 <sup>rd</sup> IECM in Beijing, September 2022).	
	4.12 Exchange of information and sharing knowledge through case studies on institutional and organizational	Case studies	Exchange of information		Exchange of information		Exchange of information		

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

