

**AGENDA FOR THE 8TH MEETING OF THE
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

06 November 2023, 14:00-15:30 hours (Session I) and 16:00-17:30 hours (Session II)
Visakhapatnam (Vizag), Andhra Pradesh State, India

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2023

Scope: (a) assessment of consumptive use of water for irrigation and resulting water balance at system level; (b) water demand management according to available resource(s) and system capacity; (c) assessment of water loss in various components of irrigation systems, appraisal of water made available for another use downstream (non-consumptive); (d) ground water development and management for irrigation including conjunctive use of surface and groundwater in irrigation, artificial recharge of aquifers from canals "losses" and "excessive" irrigation; (e) water measuring methods and devices and relevant technology (flow rates and volumes); (f) drivers for and resistances at system level to improve irrigation management; (g) social issues to be considered along with technical and economical ones; (h) management of multi-use hydraulic systems, and interdependence between uses; (i) performance evaluation of irrigation schemes and benchmarking; (j) ways towards economic performance enhancement (cost reduction and efficiency improvement).

Website: http://icid-ciid.org/inner_page/118

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

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held in Adelaide in October 2022.
2. In July 2023, Chair Ms. Mary Jean Gabriel informed the Vice Chair and Secretary of the WG that due to work pressure, she would not be able to give time to WG-IDM activities, and hence she is retiring from the Chairperson of the WG-IDM.
3. In December 2022, the Turkish National Committee (TUCID) nominated Ms. Özlem YILDIZ for membership of the working group. Prof. Huang Jiesheng (China), Mr. Waleed Hassan (Egypt); Eng. El Sayed El Yamani Ali Sarkees (Egypt); Ir. Mat Hussin Bin Ghani (Malaysia); and Mr. Tariq Altaf (Pakistan) have not contributed to the activities of the working group during the last two years.
4. Chair in consultation with the Vice Chair, Secretary of the WG, and the Central Office has updated the membership of the WG as given in **Annex 1** (*refer electronic version for the latest list*). New nominations, if any, for the membership received, will be dealt with suitably after the meeting.

WG-IDM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on irrigation development and management

5. The Chair reviewed the Road Map to ICID Vision 2030 during the Adelaide meeting and provided the latest update to PCTA (refer to **Annex 2**):
 - (a) **Goal A - Strategy A1 - Activity 1.1.** "Develop a program for introducing standards for irrigation systems", Dr. Wang-Shen Wei (Chinese Taipei Committee) agreed to submit the draft of the report by November 2023. In January 2023, the ICID Central Office requested Dr. Sheng-Wei to be in touch with the Chair for preparation of the draft report. Dr. Sheng-Wei/ Chair will provide further updates at the meeting.
 - (b) **Goal A -Strategy A1 – Activity 1.2.** "Report or case studies on recent developments in irrigation drainage management" - Mr. Ahmet Seren made a presentation on "Irrigation Development & Management Activities in Turkey" during the Adelaide meeting. Mr. Ahmet Seren/Chair will provide further updates at the meeting.
 - (c) **Goal B -Strategy B1 – Activity 1.14.** "Report on South-South cooperation for capacity development in the field of irrigation management", members agreed to confirm with Ms. Mary Jean Gabriel the

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

contents of the report through e-mail discussion/ virtual meetings. In January 2023, the ICID Central Office requested the Chair to be in touch with the members for the finalization of the report.

- (d) During the Adelaide meeting, Dr. Narges Zohrabi informed the WG that a webinar will be organized in coordination with WG-CDTE. Accordingly, on 3 May 2023, a Webinar on “Empowerment and Capacity Development of Women in Water Resources Management” was organized by Ms. Hon. Karlene Maywald, Dr. Narges Zohrabi, and Dr. Anthi Brouma. The webinar focuses on developing practical solutions for enhancing the socio-political visions and increasing the level of awareness of legislative bodies regarding policies for ensuring women’s participation in water management to optimize and increase their presence and attain the objective of sustainable water management. More information is available at https://icid-ciid.org/inner_page/234
- (e) **Goal C - Strategy C4- Activity 4.17.** “Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)”, the item was transferred to Dr. Sheng-Wei Wang. In January 2023, the ICID Central Office requested Dr. Sheng-Wei to be in touch with the Chair for the preparation of the above paper. Dr. Sheng-Wei will provide further updates at the meeting.
- (f) **Goal B - Strategy B3 – Activity 3.1.** “Assess methods and develop guidelines on relevant water balance approach”, Dr. Amgad Elmahdi (Australia) agreed to submit the draft by November 2023. In January 2023, the ICID Central Office requested Dr. Amgad to provide further progress on the preparation of the guidelines however, the response is awaited.
- (g) **Goal A - Strategy A6- Activity 6.7 –** “Identify drivers and social resistances within the systems to improve Irrigation management”, the draft was submitted by Mr. Ahmet Seren however, a response from Mr. Ian Makin is awaited. In February 2023, Mr. Ahmet Seren contacted VPH Ian Makin and requested a contribution to the above draft. Mr. Ahmet Seren/Chair will provide further updates at the meeting.
- (h) **Goal C - Strategy C1 - Activity 1.3.** “Organize Workshop, Seminar, and Symposium on Water Balance Approach”, Dr. Amgad Elmahdi (Australia) agreed to hold a symposium before the end of November 2023. Accordingly, in January 2023, the ICID Central Office requested Dr. Amgad to provide further progress on the organization of the symposium however, the response is awaited.
- (i) **Goal D - Strategy D2 - Activity 2.3.** “Investigating and documenting the social and economic impacts of irrigation systems” - Dr. Akie Mukai (Japan) submitted the draft report and also made a presentation during the WG meeting. The group reviewed the contents and proposed that Dr. Akie will revise and submit the report after getting feedback from the WG members by November 2023. In January 2023, the ICID Central Office requested Dr. Akie Mukai to send the final version of the draft report so that the same can be circulated to all members for their comments however, the response is awaited.
- (j) **Goal E - Strategy E6 - Activity 6.2.** “Investigate and report on the state of research, barriers or locks and promising paths in the field of irrigation management” was discussed among the WG members and Dr. L.B. Roy agreed to prepare “A Table of Contents” by November 2023. In May 2023, Prof. Roy contacted the Chair and requested some feedback in preparation for “A Table of Contents”.

WG-IDM Agenda Item 2.1: Publication of the WG

6. During the Adelaide meeting, the Chair encouraged all members to contribute to bringing out the publication of the working group. There were some comments about the ICID Journal on its slow review process and not frequent issues. In January 2023, the ICID Central Office requested all members of the group to contribute to the WG’s publication by getting in touch with the Chair.

WG-IDM Agenda Item 3: Presentation by the working members

7. At the Adelaide meeting, the chair encouraged all members of WG to make presentations related to the mandate of the WG. Dr. Sheng-Wei Wang agreed to request Dr. Hwa-Lung Yu to make a presentation at the 74th IEC in November 2023. In November 2022, the ICID Central Office received the presentations from Mr. Ahmet Seren, and uploaded them on the ICID website at https://icid-ciid.org/inner_page/118 In January 2023, the ICID Central Office requested all members of the group to make a presentation by getting in touch with the Chair. The chair will provide further updates at the meeting.

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

WG-IDM Agenda Item 4 1: Website of the group

8. During the Adelaide meeting, the chair requested members for their active participation in the activities of the WG and facilitate the exchange of information, knowledge, and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments. At the meeting, members also agreed to prepare a short CV and share it among WG members to get to know each other better. In January 2023, the ICID Central Office requested all members of the group to share their brief CVs with the Chair however, the response is awaited. The Chair will provide further updates at the meeting.

WG-IDM Agenda Item 4 2: Webinar

9. At the Adelaide meeting, the Chair stated that Dr. Amgad Elmahdi (Australia) has agreed to organize a webinar to share his knowledge and experiences on the topic “Operationalizing and institutionalizing WA” in 2023. Accordingly, in January 2023, the ICID Central Office requested Dr. Amgad to organize the webinar however, the response is awaited. Dr. Amgad will provide further updates at the meeting.

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

10. In February 2022, Dr. (Ms.) Eman Ragab Nofal (Egypt) informed that for the Arabic translated version of the MTD sheet, she had a meeting with Dr. Hesham Mostafa, Chairman of ENCID, and discussed the translation. She also informed that after an investigation of the sheet with other ENCID members, it was noted that almost all the scientific terms and expressions in the sheet are used and taught in the English language in all engineering faculties and for design purposes. It was suggested that the sheet in its current form in English is very useful to Egyptian engineers. Similarly, in February 2022, Dr. Amgad informed that he joined the Green Climate Fund (GCF) as the Water Sector Lead and it would be difficult for him to commit to any work for the time being. Dr. Amgad/ Dr. Eman Ragab Nofal will provide further updates at the meeting.

WG-IDM Agenda Item 6: ICID Members' Profile Section

11. 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 accounts and change their passwords to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information. In January 2023, the ICID Central Office requested all members of the group to review and update their information using their credentials.

WG-IDM Agenda Item 7: World Irrigation and Drainage Schemes (WI&DS)

12. ICID has taken the initiative to document the development of irrigation and drainage schemes in the world by establishing an online Register on “World Irrigation and Drainage Schemes (WI&DS)”. WI&DS will fulfil 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 Command Area can submit their information for inclusion in the register. The irrigation projects approved by the National Committee/ ICID Central Office for inclusion are entitled to Certification. Chair will encourage members to urge all irrigation and drainage scheme owners, managers, and researchers across the world, especially in their respective countries to contribute to the register. The review process and other details are outlined on the portal <<https://wip.icidevents.org/> > in detail.

WG-IDM Agenda Item 8: Any other business

13. **Restructuring of the Working Group:** At the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/ close mandate. With consultation of PCTA, PCSO, the Secretary General of ICID, and the ICID Central office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023 (including WG-M&R). The remaining working groups are proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage Water Management (Long-term activities); 2. Natural Resources Management (Medium-term activities); 3. Water Management under Climate Change and Water Scarcity (Medium to Long-term Activities); 4. Sustainable Development and Management: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). Proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings to be held from 1-8 November 2023 at Vizag, India. Under these four

themes, the mandate of the WG-IDM has been merged under themes 1, 2, and 4 (Irrigation and Drainage Water Management; Natural Resources Management; and Sustainable Development and Management) and proposed to be integrated with three working groups namely: WG-SON-FARM, WG-WFE-N, and WG-IOA. WG Chair will provide further updates during the meeting. A report on the restructuring of the working groups is given in **IEC Annex 5, page 23**.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Vizag, India after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 07 November 2023.

A. Members and their attendance at 2021 and 2022 meetings

Sl. No.	Members	Member from (Year)	2021		2022		Remarks
			Self	Contributed	Self	Contributed	
1.	Ms. Mary Jean M. Gabriel, Chair (South Africa)	2015		•		•	
2.	Mr. Ahmet Şeren, Vice Chair (Turkey)	2016	•	•	•	•	
3.	Dr. Katsuyuki Shimizu, Secretary (Japan)	2015	•	•	•	•	
4.	Dr. Wu Jingwei (China)	2015	•				
5.	Ir. Mat Hussin Bin Ghani (Malaysia)	2015					No contribution, recommended for discontinuation after the India meeting if no contribution
6.	Mr. Waleed Hassan (Egypt)	2015					No contribution, recommended for discontinuation after the India meeting if no contribution
7.	Dr. Amgad Elmahdi (Australia)	2016	•	•		•	
8.	Dr. Narges Zohrabi (Iran)	2016			•		
9.	Mr. Tariq Altaf (Pakistan)	2017					No contribution, recommended for discontinuation after the India meeting if no contribution
10.	Prof. LB Roy – Direct Member (India)	2018	•	•	•		
11.	Eng. El Sayed El Yamani Ali Sarkees (Egypt)	2018					No contribution, recommended for discontinuation after the India meeting if no contribution
12.	Dr. (Ms) Eman Ragab Mohamed Nofal (Egypt)	2018	•				
13.	Dr. Mukai Akie (Japan)	2020	•	•	•	•	
14.	Engr. Ali Mohamed Ahmed Elhaj (Sudan)	2020				•	
15.	Dr. Gamal Mohamed Elkassar (Egypt)	2021		•			
16.	Prof. Huang Jiesheng (China)	2021					No contribution, recommended for discontinuation after the India meeting if no contribution
17.	Prof. (Ms.) Chen Jing (China)	2021		•			
18.	Dr. Liu Jing - Young Professional (China)	2021	•				
19.	Mr. Mohamad Radzi Bin Abdul Talib (Malaysia)	2022					
20.	Dr. Khumbulani Dhavu (South Africa)	2022				•	
21.	Dr. Hwa-Lung Yu (Chinese Taipei Committee)	2022				•	
22.	Dr. Sheng-Wei Wang (Chinese Taipei Committee)	2022			•	•	

Sl. No.	Members	Member from (Year)	2021		2022		Remarks
			Self	Contributed	Self	Contributed	
23.	Secretary General, ICID		# ²				
Permanent observers							
(i)	VPH Ian Makin (UK)	2015	•				
(ii)	VPH Hafied Gany (Indonesia)	2015	•				

B. New nomination received from the National Committee

No.	Name	Country	Remarks
1	Ms. Özlem YILDIZ	Turkey	Recommended as a member, subject to her presence else a provisional member



² Represented

ROAD MAP TO ICID VISION 2030 – ALLOCATION OF TASKS

Goal/ Strategies	Activities	Outcomes/ Outputs	Responsible person
Goal A: Enable higher crop productivity with less water and energy			
A1. Strategy: Modernizing irrigation systems	1.1 Develop a program for introducing standards for irrigation systems	Standards for Irrigation and Drainage	Dr. Sheng-Wei WANG
	1.2 Report or case studies on recent developments in Irrigation Drainage Management	Case studies Presented in WG meetings	Dr. Narges ZOHRABI Mr. Ahmet SEREN
A6. Strategy: Improving performance of irrigation systems	6.1 Investigating and providing information on the positive amenities, services and goods provided by irrigation systems (in consultation with WG-ENV)	Technical Report	Dr. K SHIMIZU
	6.7 Identify drivers and social resistances within the systems to improve Irrigation management	Report	Mr. Ahmet SEREN Mr. Ian MAKIN (to assist)
Goal B: Be a catalyst for change in policies and practices			
B1.Strategy: Support the development of appropriate policies	1.14 Report on South-South cooperation for capacity development in the field of irrigation management	Report	Ms. M.Jean GABRIEL
B3. Strategy: Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	Dr. Amgad ELMAHDI Mr. Ian MAKIN (to assist)
Goal C: Facilitate exchange of information, knowledge and technology			
C1.Strategy: Providing knowledge sharing platform for AWM professionals	1.3 Organize Workshop, Seminar and Symposium on Water Balance Approach	Proceedings	Dr. Amgad ELMAHDI
C4.Strategy: Compile, Collate and Share Knowledge and Experiences	4.9 Condensed overview of existing documents and practical examples on water balance approach	Technical Report	Ms. M.Jean GABRIEL
	4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)	Technical Paper	Dr. Sheng-Wei WANG
Goal D: Enable Cross Disciplinary and Inter-Sectoral Engagement			
D2. Strategy: Developing Technical Documents in Non-technical Language	2.3 Investigating and documenting the social and economic impacts of irrigation systems	Technical report	Dr. Akie MUKAI
GOAL E : Encourage Research and Support Development of Tools to Extend Innovation into Field Practices			
E6. Strategy : Dissemination of Useful Research Outputs	6.2 Investigate and report on state of research, barriers or locks and promising paths in the field of irrigation management	Technical report	Prof. LB ROY

