

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

05 September 2019, 14.00-16.00 hours (Session I) and 16.15-18.15 hours (Session II)
Bali, Indonesia

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

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://www.icid.org/wg_idm.html

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 at Saskatoon in August 2018.
2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.
3. Eng. Abd Elsalam Mohamed Salih Idriss (Sudan) and Mr. G.L. Bansal (India) have not contributed to the activities of the group during last two years so they are recommended to be discontinued and new members would be invited from the National Committees as well as other NCs. 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-IDM Agenda Item 2: Road Map to ICID Vision 2030 – Status of activities on irrigation development and management

4. During Saskatoon meeting, WG reviewed the activities as part of Road Map to ICID Vision 2030 and updated the progress (refer **Annex 2**). WG will discuss the status of various activities and report progress to PCTA.

WG-IDM Agenda Item 2.1: Publication of the WG

5. During Saskatoon meeting, WG noted two draft documents entitled "Norms and standards of irrigation development" and "Condensed overview of existing documents and practical examples on water balance approach" were submitted for review. ICID Central Office has requested members to give their inputs to these documents and also make presentations related to the mandate of the group during Bali meeting. Chair will provide further updates at the meeting.

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

6. During Saskatoon meeting, Dr Narges Zohrabi (Iran) made a presentation titled "Water Management and Irrigation Development in Iran". Similarly, Dr Katsuyuki Shimizu (Japan) vide email of 16 May 2019 has informed that he will make a presentation on "Investigating and providing information on the positive amenities, services and goods provided by irrigation systems" during the Bali meeting.

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

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

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

7. The website of the working group http://www.icid.org/wg_idm.html is fully updated with new membership list, agenda, minutes etc. ICID Central Office has requested members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to any outcome of their research or development efforts at their respective working places for uploading on the WG website for wider dissemination.

WG-IDM Agenda Item 4. 2: Webinars/ Web based seminars

8. At Saskatoon meeting, the group noted the importance of the webinar and agreed that it is a very good platform of knowledge exchange. ICID Central Office has requested members to suggest topics for organization of the webinar. Chair will provide further updates at the meeting.

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

9. During Saskatoon meeting, WG noted that Dr. Katsuyuki Shimizu (Japan) had volunteered to the task of updating the terms related to the MTD and had proposed to prepare a draft list of terms related to section (5) Head works; (6) Design of irrigation canals; (7) Canal structures; (8) Project water management; and (17) Operation, maintenance and management. During the meeting, Dr. Shimizu made a presentation on the work that has been done so far. ICID Central Office has requested members to undertake a similar exercise and contribute to MTD.

WG-IDM Agenda Item 6: Workshop on water accounting

10. The International Research Program for Irrigation and Drainage-Iran Regional Node (IRPID-IRN) affiliated to ICID successfully organized the “International Training Workshop on Water Accounting- Concepts and Tools” with the support of leading institutions and specialists from 23-26 February 2019 in Iran (23 February in Tehran; 24-26 February in Ahwaz). The workshop which was the first joint professional collaboration of FAO, ICID and IRPID-IRN introduced concepts and tools to a wide range of audiences including high-level decision-makers, academics and professionals in the water, agriculture and environmental sectors. Renowned and experienced researchers and senior experts in the field of water accounting were invited from FAO, ICID, IWMI and academia as speakers and instructors for the workshop. Dr. Narges Zohrabi, Head of Iran Regional Node, IRPID-IRN and workshop organizer expressed her gratitude to discuss the concept of WA framework with specific focus on capacity building of the participants to implement water accounting for agricultural water management. Several presentations were made by FAO and ICID representatives. Dr. Amgad Elmahdi, as ICID resource person, described “Australian Water Reform and National Water Account.” More than 370 participants attended the workshop.

WG-IDM Agenda Item 7: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

11. As agreed at Saskatoon meeting in August 2018, the Korean National Committee (KCID) organized the International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” from 22-25 April 2019 at Gyeonggi Province (Republic of Korea) in collaboration with the Chinese National Committee (CNCID) and ICID. KCID has also organized an International Workshop on “Irrigation Technologies to Mitigate Climate Change” on 26 April 2019 to provide an opportunity to the young professionals to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. During the YP training, thirty-two young professionals from 17 countries participated and gained the knowledge. As part of YP training, each YP was requested to provide their response to the following five questions: (i) How the recent climatic extremes are affecting water management for agriculture in your country/region? (ii) What new and innovative approach and technologies are being adopted to address these climate change issues? (iii) What management approach and solutions are being considered to adapt to climate change? (iv) How would you like to modify/augment water management practices and policies in region to generate a long-term strategy? (v) What is your view and contribution to promote climate smart agriculture?

12. The responses received from the YPs have been compiled, and the same is available at: <https://www.icid.org/ypqnresponse.pdf>. It is felt that some of the responses relate to the mandate of the WG and the group may like to take note of the views and suggestions from YPs from different countries and discuss it during the meeting. Chair will provide further updates 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 Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXVI, Item 1]

A. Members and their attendance at 2017 and 2018 meetings

Sl. No.	Members	Member from (Year)	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
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	# ²		•		
5.	Ir. Mat Hussin Bin Ghani (Malaysia)	2015	#		#		
6.	VPH Francois Brelle (France)	2015		•			
7.	Mr. Ming-Young Jan (Chinese Taipei)	2015	•		•		
8.	Mr. Waleed Hassan (Egypt)	2015		•			
9.	Dr. Amgad Elmahdi (Australia)	2016		•		•	
10.	Dr. Narges Zohrabi (Iran)	2016	•	•	•		
11.	Eng. Abd Elsalam Mohamed Salih Idriss (Sudan)	2016					No contribution during last two years. Recommended for discontinuation
12.	Mr. G.L. Bansal (India)	2016					No contribution during last two years. Recommended for discontinuation
13.	Eng. Mohammed Omar Makram Afify – Young Professional (Egypt)	2017		•			
14.	Mr. Tariq Altaf (Pakistan)	2017		•		•	
15.	Prof. LB Roy – Direct Member (India)	2018				•	
16.	Eng. El Sayed El Yamani Ali Sarkees (Egypt)	2018					
17.	Dr. (Ms) Eman Ragab Mohamed Nofal – YP (Egypt)	2018			•	•	
18.	Secretary General, ICID		•				
Permanent observers/ Observers							
(i)	VPH Ian Makin (UK)	2015	•		•		
(ii)	VPH Hafied Gany (Indonesia)	2015		•			



² Through representation

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 Ming-Young Jan / Ms M J Gabriel
	1.2 Report or case studies on recent development in Irrigation Drainage Management	Case studies Presented in WG meetings	Dr Narges Zohrabi
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 Shimizu
	6.7 Identify drivers and social resistances within the systems to improve Irrigation management	Report	TBD
Goal B: Be a catalyst for change in policies and practices			
B1.Strategy: Support development of appropriate policies	1.14 Report on South-South cooperation for capacity development in the field of irrigation management	Report	TBD
B3. Strategy: Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	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	TBD
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 MJ Gabriel
	4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)	Technical Paper	TBD
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	TBD
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	TBD

