

**MINUTES OF THE 3<sup>RD</sup> MEETING OF  
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)  
Saskatoon, Saskatchewan, Canada

**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).

**Member Present:** (1) Ms. Mary Jean Gabriel, Chair (South Africa); (2) Dr. Katsuyuki Shimizu, Secretary (Japan); (3) Dr. Wu Jingwei (China); (4) Dr. Ming-young Jan (Chinese Taipei); (5) Dr. Eman Ragab Mohamed Nofal – Young Professional (Egypt); (6) Dr. Narges Zohrabi (Iran); (7) Ir. Ahmad Bin Darus (Malaysia) represented Ir. Mat Hussin Bin Ghani;

**Permanent Observer:** (1) Vice President Ian Makin (UK)

**Observers:** (i) President Hon. Peter Lee (UK); (ii) Dr. Bin Dong (China); (iii) Dr. Elijah A Aderibigbe (Nigeria); (iv) Engr. Muhammad Sani Bala (Nigeria); (v) Dr. Aidan Senzanje (South Africa).

**Website:** [http://www.icid.org/wg\\_idm.html](http://www.icid.org/wg_idm.html)

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

1. The Chair presented the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Mexico in October 2017.

2. The group reviewed the nominations of Eng. El Sayed El Yamani Ali Sarkees (Egypt) and Dr. (Ms) Eman Ragab Mohamed Nofal – Young Professional (Egypt) and Prof. LB Roy, Direct Member (India) for the membership of the group. After discussion, the group decided that Prof. LB Roy and Eng. El Sayed El Yamani Ali Sarkees be admitted as 'Provisional Member' since they were not present while Dr. Eman Ragab Mohamed Nofal was accepted as Member as she was present. Membership status is given in **Annex 3 (page 51)**.

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

3. The group reviewed the Road Map to ICID Vision 2030 and assigned certain tasks to its members (refer **Annex**). Chair indicated that two draft documents entitled "Norms and standards of irrigation development" and "Condensed overview of existing documents and practical examples on water balance approach" have been prepared and submitted for review. WG Chair encouraged members to give their input to these documents and to make presentations related to the mandate of the group during Indonesia meeting in consultation with the WG Chair.

**WG-IDM Minutes Item 3: Presentation by the working members**

4. In consultation with the Chair, a presentation titled "Water Management and Irrigation Development in Iran" was made by Dr. Narges Zohrabi (Iran).

**WG-IDM Minutes Item 4: Exchange of information, knowledge & networking – website****WG-IDM Minutes Item 4.1: Website of the WG**

5. The group noticed the updation of the website and WG chair encouraged members to provide interesting articles/ papers/ presentations/ documents related to the mandate of the WG for uploading it on the WG's website [http://www.icid.org/wg\\_idm.html](http://www.icid.org/wg_idm.html).

**WG-IDM Minutes Item 4.2: Webinars/ Web based seminars**

6. The group noted the importance of the webinar and agreed that it is a very good platform of knowledge exchange. Chair encouraged members to suggest topics for organization of the webinar.

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

7. 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. Other members also indicated that they would undertake a similar exercise.

**WG-IDM Minutes Item 6: Workshop on water balance approach**

8. The group discussed the matter of organization of a workshop during the meeting. Dr. Narges Zohrabi (Iran) announced that 3-day conference on water accounting will be held in Iran in December 2019. This conference will be organized in partnership with the Technical Support Unit of ICID and FAO. She indicated that information on this workshop will be sent to the Chair for circulation to the members by the Central Office.

**WG-IDM Minutes Item 7: Any other business**

## Annex [Appendix XXVI, Item 2]

## ROAD MAP TO ICID VISION 2030 – ALLOCATION OF TASKS

Goal/ Strategies	Activities	Outcomes/ Outputs	Responsible person
<b>Goal A: Enable higher crop productivity with less water and energy</b>			
<b>A1. Strategy:</b> 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
<b>A6. Strategy:</b> 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
<b>Goal B: Be a catalyst for change in policies and practices</b>			
<b>B1.Strategy:</b> Support development of appropriate policies	1.14 Report on South-South cooperation for capacity development in the field of irrigation management	Report	TBD
<b>B3. Strategy:</b> Integrated Irrigation and Drainage Management	3.1 Assess methods and develop guidelines on relevant water balance approach	Guidelines	Mr Ian Makin (to assist)
<b>Goal C: Facilitate exchange of information, knowledge and technology</b>			
<b>C1.Strategy:</b> Providing knowledge sharing platform for AWM professionals	1.3 Organize Workshop, Seminar and Symposium on Water Balance Approach	Proceedings	TBD
<b>C4.Strategy:</b> 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
<b>Goal D: Enable Cross Disciplinary and Inter-Sectoral Engagement</b>			
<b>D2. Strategy:</b> Developing Technical Documents in Non-technical Language	2.3 Investigating and documenting the social and economic impacts of irrigation systems	Technical report	TBD
<b>Goal E: Encourage research and support development of tools to extend innovation into field practices</b>			
<b>E6. Strategy:</b> 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

