

**MINUTES OF 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).

Members Present: (1) Ms. Mary Jean M. Gabriel, Chair (South Africa); (2) Dr. Katsuyuki Shimizu, Secretary (Japan); (3) Mr. Ming-Young Jan (Chinese Taipei); (4) Dr. Narges Zohrabi (Iran).

Observers: (1) Akie Mukai (Japan); (2) Ismayatim Bin Hamdan (Malaysia); (3) Auu Abubakar (Malaysia); (4) Gapar Asan (Malaysia); (5) Petra Schmitter (Myanmar); (6) Abegye Ibrahim (Nigeria).

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

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

1. At the onset, the Chair welcomed all the members and briefed on the latest status on the action point emerging from the minutes of the previous meeting of the WG held at Saskatoon, Canada. Chair encouraged WG members to make full use of WebEx platform for virtual meeting to ensure regular contribution 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.

2. 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 were recommended to be discontinued and new members would be invited from the above National Committees as well as other NCs. Membership status is given in **Annex 4 (page 27)**.

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

3. The group discussed the Road Map to ICID Vision 2030 and provided latest updates (refer **Annex**) to PCTA for inclusion of Goal C4 i.e. Strategy 4.17 "Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)" that was taken by Dr. Ming-Young Jan (Chinese Taipei).

WG-IDM Minutes Item 2.1: Publication of the WG

4. Chair requested members to provide their inputs to the documents entitled "Norms and standards of irrigation development" and "Condensed overview of existing documents and practical examples on water balance approach" and also make presentations related to the mandate of the group

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

5. Dr Katsuyuki Shimizu (Japan) made a presentation on "Investigating and providing information on the positive amenities, services and goods provided by irrigation systems". Ms. Marry Jean Gabriel also made a presentation on "Latest research on irrigation management in South Africa" during the meeting.

WG-IDM Minutes Item 4: Exchange of information, knowledge & networking -website**WG-IDM Minutes Item 4. 1: Website of the WG**

6. The group noted that the website of the working group http://www.icid.org/wg_idm.html is fully updated with new membership list, agenda, minutes etc. Chair encouraged 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 Minutes Item 4. 2: Webinars/ Web based seminars

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

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

8. At the meeting, Dr. Amgad Elmahdi (Australia) informed to consider contribution in Arabic. Chair encouraged WG member to contribute to update MTD.

WG-IDM Minutes Item 6: Workshop on water accounting

9. 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). Dr Narges Zohrabi (Iran) reported the workshop on water accounting held in IRAN in 2018. WG members discussed about water accounting to confirm their understanding.

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

10. The Chair informed that International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” held in Korea in April 2019 was organized by KCID in collaboration with the Chinese National Committee (CNCID) and ICID. WG suggested to digest and try to utilize the outcomes of the Program YP-TP for the WG activities. A representative from South Africa informed that the delegates from South Africa attended the workshop and training program.

WG-IDM Minutes Item 8: Any other business

Annex [Appendix XXVI, Item 2]

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



