

**MINUTES OF THE 4TH MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**
15 August 2018, 09.00-10.30 hours (Session I) and 11.00-12.30 hours (Session II)
Saskatoon, Saskatchewan, Canada

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2021

Scope of work: To investigate, analyse, disseminate information on new developments and to formulate recommendations with respect to: Planning and preparation for modernization and revitalization of irrigation schemes; Interaction between modernization, revitalization and required operation and maintenance; Cost sharing for modernization, revitalization and required operation and maintenance; Institutional and organizational framework required for modernization, revitalization and operation and maintenance; Methods and techniques of lining of conveyance and distribution canals; Canal control systems with respect to their automation, using internet, mobile communication and remote monitoring in canal operation; Modification to improve communication, operational capacities and flexibility in operation and maintenance of systems; Standardization and codes of practice in irrigation systems.

Members Present: (1) VP Ian Makin, Chair (UK); (2) Dr. Dong Bin, Vice Chair (China); (3) Engr. Muhammad Sani Bala, Secretary (Nigeria); (4) Dr. Chih-Hung Tan (Chinese Taipei); (5) Prof. Dr. Tarek Ahmed El-Samman (Egypt); (6) Dr. Yohei Sato (Japan); (7) Dr. Shinji Fukuda (Japan); (8) Dr. Kwang-Sik Yoon (Korea, Rep. of); (9) Mukhlis Zainol Abidin (Malaysia) represented Mr. Mohd Yazid bin Abdullah; (10) Mr. Jan Potgieter (South Africa); (11) Dr. Brian T Wahlin (USA).

Observers: (1) PH Bart Schultz (Netherlands); (2) PH Peter Lee (UK); (3) VPH Shinsuke Ota (Japan); (4) VPH Dr. Darell D. Zimelman (USA); (5) Mohammad Zainal Fatah (Indonesia); (6) Dyah Perdhani (Indonesia); (7) Yasunori Saiki (Japan); (8) Mitsuo Ishijima (Japan); (9) Hidefumi Murashita (Japan); (10) Tsugihiko Watanabe (Japan); (11) Woohan Ryu (Korea, Rep. of); (12) Engr. Mohammed Ogah Adra (Nigeria); (13) Engr. Bassey Edet Nkposong (Nigeria); (14) Engr. Christy Omeno Oduh (Nigeria); (15) Ms. Mary Jean Gabriel (South Africa).

WG-M&R 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 Mexico City in October 2017.
2. The WG reviewed the membership of the group which includes four new nominations viz. Mr. Jan Potgieter (South Africa); Prof. Dr. Tarek Ahmed El-Samman (Egypt); Dr. Chih-Hung Tan (Chinese Taipei); and Dr. Shinji Fukuda (Japan). The group accepted the above nominations as all of them are present at Saskatoon meeting except the nominee from Egypt who was represented due to Visa issue. The Iran National Committee nominated Omid Moridnejaad – as a young professional for the membership of the WG however, the nominee was not present at the meeting and accepted as Provisional Member.
3. The group decided that the existing members not contributing/ participating during more than one year viz. Mr. Vyacheslav Rozhon (Ukraine), Mr. Mehrzad Ehsani (Iran), Mr. Bir Singh Dhami – Young Professional (Nepal), Ms. Meral Cicek (Turkey), Mr. Ali Omran Ali (Iraq), and Mr. Firas Hussain Ali – Young Professional (Iraq) may be contacted and request them to contribute to the activities of the WG or else their membership will be lapsed during 3rd World Irrigation Forum in September 2019. Membership status is given in **Annex 3 (page 51)**.

WG-M&R Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on modernization and revitalization

4. The WG reviewed the action plan to better align the commitments to the capacity of members of the group to deliver against the proposed work plan (refer **Annex**); resulting in commitments to deliver actions related to **Goal A** – Enable higher crop productivity (*Strategy A1 Modernizing irrigation systems*), **Goal B** – Be a catalyst for change in policies and practices (*Strategy B1 Support to development of appropriate policies*), **Goal C** Facilitate exchange of information, knowledge and technology (*Strategy C1 Providing knowledge sharing platform for AWM professionals*) as summarized below.
5. **A1- Modernizing Irrigation Schemes** – This forms the core of the current WG-M&R program of work. At each meeting of the group, a selection of case studies are presented to showcase aspects of modernization. During the

Saskatoon meeting, five case studies were presented. The case studies are intended to provide the evidence base for the proposed paper on the State of Art on Modernization (output A1.5) contributing to the development of ICID Guidelines on Modernization of Irrigation and Drainage. The state of art paper and guidelines are rearranged to be presented during 3rd World Irrigation Forum in Bali in September 2019. The WG proposes to organize a full-day workshop on Modernization during 3rd WIF to promote further exchange of case studies experiences and to launch the guidelines.

6. **B1 – Support to development of appropriate policies** - In Mexico City, the WG proposed that a joint ICID-FAO position paper on modernization would be prepared with FAO and the WG-M&R for presentation at the World Water Forum 8 (WWF 8) in Brasilia in 2018. The group noted that there was no action taken so the group proposes to reschedule preparation of the position paper for presentation in Sydney in 2020.

7. **C1 - Facilitate exchange of information, knowledge and technology** - Contribution of papers to conference sessions – Chair encouraged members to prepare papers for presentation at the proposed workshop in Bali and for the conference sessions in Bali 2019 and Sydney 2020.

8. During the year 2018, Mr. Herve Plusquellec (USA) proposed the publication of an ICID book on the use of geotextiles in irrigation. Chair WG-M&R had the opportunity to review the earlier draft of the proposed book. Mr. Herve Plusquellec made a presentation on the proposed book during the WG session. Members agreed to review the revised book as and when available (*probably during October/ November 2018*) and to recommend to ICID Central Office to consider publication of the book as an ICID publication.

WG-M&R Minutes Item 3: Report on Modernization irrigation/ drainage for a new Green Revolution

9. Chair informed that the status of the publications already covered under Item 2 of the above minutes.

WG-M&R Minutes Item 4: Preparation of a paper on the status of modernization in countries around the world

10. Already covered under Item 2 of the above minutes.

WG-M&R Minutes Item 5: Exchange of information, knowledge & networking

11. During the meeting, the group discussed the issues related to exchange of information and updating of WG-M&R website. Chair requested members to provide articles/ reports/ documents/ presentations related to the mandate of the activities for its uploading on the website of the WG.

WG-M&R Minutes Item 6: Updating Multilingual Technical Dictionary (MTD)

12. The group discussed and reviewed about updating of MTD. Chair encouraged members to make use of this veritable resources in the course of their work and update the terms related to the activities of the WG. During the meeting, VP Brian Wahlin (USA) has agreed to review the terms of MTD related to canal automation which was accepted by the WG.

WG-M&R Minutes Item 7: Workshops by WG in 2018, Canada and 2019, Bali, Indonesia

13. Chair informed that no action was taken to organize a workshop on modernization during the Saskatoon International Meeting however, the WG-M&R meeting was structured to cover the administrative business of the group in about 30 minutes to enable to make presentation of 5 case studies by the participants. The case studies will form part of the knowledge base to support the state of art review and guidelines to be presented during 3rd World Irrigation Forum (WIF) in Bali in September 2019.

14. The group proposed to organize a full-day workshop at 3rd WIF to enable exchange of experiences and discussion of the state of art paper and guidelines on modernization. Regular WebEx meeting also proposed during 2018/19 to coordinate the preparation of background documents and implementation of the workshop.

WG-M&R Minutes Item 8: Any other business



Annex [Appendix XXVIII, Item 2]

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
Goal A: Enable higher crop productivity with less water and energy							
A1. Strategy: Modernizing irrigation systems	1.4 Preparation and presentation of Case studies	Compilation of Case Studies	6 Case Studies	5 case studies presented	TBD Case Studies	TBD Case Studies	
	1.5 Prepare an overview paper on State of the Art on Modernization of Irrigation Systems	State of the Art Paper		State of the Art Paper	State of the Art Paper re- arranged		
	1.6 Develop Guidelines for Modernization of Irrigation systems	Guidelines (This to be reviewed and possibly revised in Mexico 2017)			Release Guidelines in WIF3		
A2. Strategy: Improving O&M of Irrigation Systems	2.1 Advocacy paper to draw attention to the needs of adequate resources for O&M	Advocacy paper					
	2.2 Develop norms of O&M of Irrigation systems	Technical Report					
Goal B: Be a catalyst for change in policies and practices							
B1. Strategy: Supporting development of appropriate policies	1.9 Prepare position Paper on Key Issues on Modernization of Irrigation Schemes	Position/Policy Paper of ICID				Release in Sydney in 2020	
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing knowledge sharing platform for AWM professionals	1.5 Organize Workshops, Seminar and Symposium on modernization	Compilation of proceedings	Main Theme of Congress, Inputs to Congress		Full-day workshop on modernization	Conference Session in Sydney in 2020	
Goal F: Facilitate capacity development							
F4. Strategy: Developing and sharing AWM knowledge	4.4 Condensed overview of Key books, manuals and Guidelines	Book Overview					

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



