

**MINUTES OF THE ONLINE MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

22 March 2021, 16:00 hours (IST)

Strategy Theme: Schemes

Members Present: (1) VPH Ian Makin, Chair (UK); (2) Dr. Dong Bin, Vice Chairman (China); (3) Dr. Chih-Hung Tan (Chinese Taipei); (4) Prof. Dr. Tarek Ahmed El-Samman (Egypt); (5) Dr. Sanjay Belsare (India); (6) Ir. Eko Subekti (Indonesia); (7) Dr. Mohsen Barahimi (Iran); (8) Dr. Shinji Fukuda (Japan); (9) Dr. Toshihiko Kuno (Japan); (10) Dr. Mona Liza Delos Reyes (Philippines); (11) Engr. Reyne B. Ugay (Philippines); (12) Dr. Brian T. Wahlin (USA); (13) Dr. Ir. Petra Schmitter (IWMI-Myanmar); (14) Dr. Alok Sikka (IWMI-India); (15) Er. Harish Kumar Varma, Executive Director, ICID Central Office (India).

Webpage: http://icid-ciid.org/inner_page/117

WG-M&R Minutes Item 1: Confirmation of Agenda (5 minutes)

1. The proposed agenda (Annex 3) was approved.

WG-M&R Minutes Item 2: Proposed Schedule of events (15 minutes)

2. Executive Director Harish Varma informed the Working Group that IEC has extended the mandate of the WG to 2023 to enable completion of the work plan.

WG-M&R Minutes Item 2. 1: Morocco 2021 – WG meeting, presentation of latest case studies, review of progress of publications, consultation with country delegates on proposed survey of O&M norms and practices

3. A short discussion led to agreement that: (i) authors of abstracts selected for the cancelled November 2020 Morocco meeting will be invited to prepare full papers for presentation at the rescheduled November 2021 meeting in Morocco; (ii) WG-MR will host a workshop at the November 2021 Morocco meeting; (iii) a new call for additional papers on modernization in Africa will be issued for the November 2021 Morocco meeting. During the November 2021 meeting delegates will be interviewed about proposed survey on the norms and practices on O&M of irrigation and drainage services adopted in member countries – see item 3.3 below.

Action: Ian Makin to coordinate with Central Office to confirm the International Workshop to be held in November 2021 in Morocco.

WG-M&R Minutes Item 2. 2: Adelaide 2022 – WG meeting and workshop – publication of results of survey findings, review of progress towards guidelines document

4. The WG agreed to propose an International Workshop on Modernization to the Adelaide team. The workshop would aim to present (i) the findings of the survey (item 3.3) and (ii) an advanced draft of the proposed Guidelines on Modernization (Item 3.1). A call for papers will need to be issued in the next few months to attract abstracts for the event.

Action: Ian Makin to coordinate with ICID CO and Australian organizers to confirm workshop request and to draft call for abstracts with schedule for submission, review, and confirmation of acceptance.

WG-M&R Minutes Item 2. 3: Beijing – WIF 4 – 2023 – International workshop and publication of Guidelines on Modernization of Irrigation and Drainage

5. The WG agreed that the draft of the Guidelines on Modernization will be presented during the WIF 4 in Beijing during an international workshop. A proposal for the workshop format will be discussed during the next virtual meeting of the WG (July 2021) including forming an action plan and team to lead the preparations.

Action: Discuss preparation for International Workshop in July 2021 virtual meeting.

WG-M&R Minutes Item 3: Preparation of publications (45 minutes)

WG-M&R Minutes Item 3.1: Guidelines on modernization

6. The WG agreed that an advanced draft of the proposed ICID Guidelines on Modernization will be prepared in time for review and discussion during the Adelaide 2022 meeting. Key areas for discussion in coming months are: (i) which members of the WG can contribute to preparation of the guidelines; (ii) what format does ICID prefer for the publication (print vs. soft); and (iii) contents and length of guidelines.

Action: Ian Makin to circulate an initial contents list prior to a discussion of the publication during July 2021 virtual meeting.

WG-M&R Minutes Item 3.2: Position Paper on Key Issues on Modernization of Irrigation Schemes

7. The position paper, originally proposed for World Water Forum 8 held in Brazil during March 2018, was discussed with a view to deciding whether to prepare a new position paper for the WWF 9 to be held in Dakar, Senegal in March 2022. On balance the members of the WG agreed that this would be an activity that we were not able to include in the current work program. If ICID Central Office wishes the WG to prepare a short statement on modernization and rehabilitation for inclusion in the wider ICID submission this can be considered during the next video call, proposed for July 2021.

Action: Central Office to inform WG if a statement on Modernization is requested.

WG-M&R Minutes Item 3.3: Develop norms of O&M of Irrigation systems

8. A brief discussion of the proposed survey of ICID members on the norms and processes adopted for O&M of irrigation and drainage system concluded that it would be appropriate to initiate the proposed survey during 2021 with the intention of finalizing and reporting the results by the Adelaide 2022 meeting. Dr Mona Liza Delos Reyes offered to lead the preparation of a draft questionnaire for review by the WG_MR members, with the objective of having a first draft available by mid-April 2021. Following review and revision by the members of the WG, ICID CO will circulate the questionnaire to all National Committees of ICID with a request for the completed formats to be returned within two months, to enable follow-up discussions with NC representatives during the Morocco (November 2021) meeting and subsequent email and/or video conference calls for clarifications as required. A draft report of the findings would be presented during a workshop in the Adelaide 2021.

Action: Dr Mona Liza Delos Reyes (Philippines) to prepare a draft questionnaire on the norms and processes for O&M of irrigation and drainage systems. The initial draft to be prepared by mid-April 2021. Sanjay Belsare (India), Dr Don Bin (China), and Dr Mohsen Barahimi (Iran) agreed to work with Dr Delos Reyes to draft the questionnaire. Ian Makin to assist as required with the objective of having a questionnaire for sharing to entire WG in early May.

WG-M&R Minutes Item 3.4: Condensed overview of Key books, manuals, and Guidelines

9. Members were requested to bring publications of relevance to the mandate of the Working Group to the attention of the WG-MR. An initial list of some relevant publications is given (Annex 4).

10. Action: All members to share relevant titles with Ian Makin for collation and inclusion in the WG web pages.

WG-M&R Minutes Item 4: Multilingual Technical Dictionary (10 minutes)

11. Members are requested to consider contributing terms on the topic of Modernization and Revitalization for inclusion in the MTD. Dr Brian Wahlin (USA) previously contributed about 400 words and terms on canal automation. Members may wish to review those terms and provide translations to their own languages.

WG-M&R Minutes Item 5: Any other business (5 minutes)

12. Ian Makin reported the discussion between IWMI and ICID regarding potential participation in a workshop to be held during the virtual 2021 Stockholm World Water Week on Fish friendly irrigation. Executive Director Harish Varma explained the current status and that the organizers are waiting to hear whether the session has been approved for inclusion in the program. Petra Schmitter provided links to the publications that form the base for the proposed session, listed below.

13. Ir. Eko Subekti (Indonesia) expressed interest in the proposed discussion of fish friendly irrigation and is proposed as the point of contact for the WG_M&R if the session approved.

Action: Central Office to inform Ir. Eko Subekti (Indonesia) of details of the session if it proceeds.

Background documents for session topics.

<http://blog.worldfishcenter.org/2020/12/new-guidelines-ease-the-way-for-fish-friendly-irrigation-systems/>

<https://digitalarchive.worldfishcenter.org/handle/20.500.12348/4403>



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	9 Case Studies	Selected case studies to address key missing aspects	
	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	Release Guidelines	
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)



**Online meeting of the WG-M&R - snapshot of the participants
22 March 2021, 1600 hour (IST)**



WEBEX meeting
22 March 2021 at 16.00 hour (Indian Standard Time)
(planned 80 minutes – say 90 minutes for technical difficulties)

Agenda

1. Confirmation of Agenda (5 minutes)
2. Proposed Schedule of events (15 minutes)
Proposed schedule here will require approval by ICID Management Committee to extend the mandate of the WG.
 - a. Morocco 2021 – WG meeting, presentation of latest case studies, review of progress of publications, consultation with country delegates on proposed survey of O&M norms and practices
 - b. Adelaide 2022 – WG meeting and workshop – publication of results of survey findings, review of progress towards guidelines document
 - c. Beijing – WIF 4 – 2023 – International workshop and publication of Guidelines on Modernization of Irrigation and Drainage
3. Preparation of publications (45 minutes)
 - a. Guidelines on modernization
Originally scheduled for release in Bali based on case studies – postponed to allow assembling of additional case studies. Propose to postpone till WIF 4 in 2023
 - b. Position Paper on Key Issues on Modernization of Irrigation Schemes
Originally proposed for WWF 8 in Brazil (2018) – do we consider it feasible to prepare for WWF 9 (Senegal – March 2022)?
 - c. Develop norms of O&M of Irrigation systems
No work done on this item yet – suggest creating a survey for ICID members to determine current practices and norms in terms of funding, processes, and outcomes as the basis for a supporting annex to the Guidelines. Propose survey in 2021 with follow-up discussions in Morocco 2021 and reporting in Adelaide 2022 – possible workshop.
 - d. Condensed overview of Key books, manuals, and Guidelines
No work done – propose aim to have annex to Guidelines by 2023. Anyone willing to lead review and write up of documents?
4. Multilingual Technical Dictionary (10 minutes)
5. Any other Business (5 minutes)

Publications on Modernization

- FAO – 1996 -- Guidelines for Planning Irrigation and Drainage Investment Projects. Rome
<http://www.fao.org/3/w1037e/w1037e00.htm>
- World Bank – 1998 – ICID - Planning the management, operation, and maintenance of irrigation and drainage systems : a guide for the preparation of strategies and manuals.
<http://documents1.worldbank.org/curated/en/486831467980488680/pdf/multi-page.pdf>
- FAO -- 2007 – Modernizing irrigation management – the MASSCOTE approach
<http://www.fao.org/3/a1114e/a1114e00.htm>
- Wahlin, B., & Zimbelman, D. 2014. Canal automation for irrigation systems. American Society of Civil Engineers Manual of Practice 131.
- Wahlin, B., & Zimbelman, D. 2018. Canal automation for irrigation systems. American Society of Civil Engineers Manual of Practice 131. ICID World Irrigation Forum 2. Thailand.
https://www.icid.org/wif2_full_papers/wif2_w.1.4.01.pdf
- ADB – 2017 – Irrigation Subsector Guidance Note Building Blocks for Sustainable Investment.
<https://www.adb.org/sites/default/files/institutional-document/238481/irrigation-guidance-note.pdf>
- Blue Peace – 2020 - Improving irrigation water use efficiency: A synthesis of options to support capacity development. http://bluepeaceme.org/images/Publications/Improving_irrigation_water_efficiency.pdf
- World Bank – 2021 - Farmer-led irrigation: the what, why, and how-to guide.
<https://pubdocs.worldbank.org/en/751751616427201865/FLID-Guide-March-2021-Final.pdf>
- Waalewijn, Pieter, Remi Trier, Jonathan Denison, Yasmin Siddiqi, Jeroen Vos, Eeman Amjad, and Mik Schulte. 2020. "Governance in Irrigation and Drainage: Concepts, Cases, and Action-Oriented Approaches—A Practitioner's Resource." World Bank, Washington, DC.
<http://documents1.worldbank.org/curated/en/413871567113420542/pdf/Concepts-Cases-and-Action-Oriented-Approaches-A-Practitioner-s-Resource.pdf>