

**AGENDA FOR THE 3RD MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

12 October 2017, 09.00-10.30 hours (Session I)
12 October 2017, 11.00-12.30 hours (Session II)
Mexico City, Mexico

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.

Website: <http://wg-mr.icidonline.org/>

WG-M&R Agenda Item 1: Action taken report by Chair

1. The Chair will present report on the actions taken on the decisions and proposals of the working group at its last meeting held at Chiang Mai in November 2016.
2. No new nominations have been received from NCs during the year. Chairman in consultation with Vice Chair, Secretary of the WG and the Central Office has 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-M&R Agenda Item 2: Road Map to ICID Vision 2030 - Activities on modernization and revitalization

3. Based on the inputs from the workbodies at the 67th IEC and fresh inputs received upto March 2017, the Consultative Group (CG) on Action Plan 2030 finalised Action Plan for ICID as presented in their report "A Water Secure World Free of Poverty & Hunger : A Road Map to ICID Vision 2030". Action Plan for WG-M&R as presented in CG report is given as **Annex 2**.
4. During Chiang Mai meeting WG deliberated on the Action Plan and agreed specifically to the following activities:
 - (a) Definition of irrigation modernization for review and adoption in Mexico Congress (2017)
 - (b) Preparation of a position paper on key issues of modernization for the WWF8 (2018)
 - (c) Preparation of case studies as a foundation for State of the Art review paper to be presented in Mexico Congress (2017)
 - (d) Organization of workshops and papers at forthcoming ICID events.
5. ICID Central Office followed-up the matter with the members and requested them to contribute to the 23rd Congress theme "Modernizing Irrigation and Drainage for a new Green Revolution" and for the preparation of case studies for state-of-the-art paper on modernization however, response is awaited. WG will discuss the activities of the Action Plan, review and update information regarding milestones for various activities and initiate actions to achieve outcome as per milestones indicated in the Action Plan at the meeting.

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

6. At Chiang Mai meeting, the group proposed for the preparation of document on state-of-the-art review of modernization for publication at the Mexico Congress. In February 2017, the Central Office followed-up the matter about the process of contribution of members towards case studies and development of template for circulation amongst group members. As per decision at Chiang Mai meeting, PH Prof. Bart Schultz provided the draft paper on WWF 6 and 7 (under finalization by the team) titled as “Food security by optimal use of water synthesis of the 6th and 7th World Water Forums and developments since then” to Chair VP Ian Makin to support preparation of a position paper for WWF8 in Brasilia by the WG. Chair will provide further updates in the matter.

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

7. During Chiang Mai meeting, the group discussed the broad outline for preparation of case studies/ country papers in respect of modernization and revitalization of irrigation system. It was agreed that members from the seven countries viz. China, India, Korea, Japan, Philippines, Indonesia and USA would provide country papers/ case studies on irrigation modernization from their countries while observers from FAO and IWMI would provide supporting documents from their organizations. Further, it was also agreed that in order to promote YP participation in the activities of the WG, Young Professionals and the YP network would be invited to participate in the review team for the publication, in addition to their participation in preparation of case studies.

8. In order to facilitate preparation of case studies by the members, WG Chair in consultation with the Central Office developed and circulated the broad outline for preparation of the case studies/ country papers in respect of modernization and revitalization of irrigation system (**Annex 3**). WG may review, discuss and finalise the existing outline so that there is uniformity in case studies / country papers from members and other professionals. Chair will provide further updates at the meeting.

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

9. The group discussed the issues related to exchange of information and updation of WG-M&R website during the Chiang Mai meeting and agreed to the following suggestions: (a) Irrigation modernization has different meanings to different countries so information and knowledge exchange is very important. (b) The country papers/ case studies/ country guidelines should be made available through the WG website (c) Virtual meeting should be held for identifying 1-2 topics for discussion.

WG-M&R Agenda Item 5.1: Web site of the WG

10. The website of the working group <http://wg-mr.icidonline.org/> has been updated with the new membership list, agenda, minutes, events, etc. Members were requested to provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the ICID website. Members may like to discuss and evolve methodology for sharing of information and updation of WG website.

WG-M&R Agenda Item 5.2: Webinar/Web based seminars

11. The group discussed and supported the organization of webinar/ web based seminar and requested members to provide their suggestion on the topics, based on the mandate of the WG. WG will discuss and suggest 5-6 topics, based on the mandate of the WG, on which webinar can be considered along with name of the relevant experts who could be contacted to develop webinars. The group may discuss and suggest suitable topics for organizing webinars in future.

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

12. During Chiang Mai meeting, the group discussed the updating of MTD and agreed that the members would review the existing dictionary to consider whether additional terms are required to be included to cover modernization and revitalization issues. The group noted that the Indonesian National Committee (INACID) had reviewed the 2010 version of MTD and encouraged other members to review the MTD further. In February 2017, the Central Office followed-up the matter with the members of the group to review the terms in the existing MTD. In response, Dr Sato suggested 14 additional terms which needs to be included in the MTD.

13. As per Resolution IEC-2/67 held at Chiang Mai on 12 November 2016, the Council approved the establishment of a Task Force for Updation and Maintenance of Multilingual Technical Dictionary (TF-MTD) under the Chair of PCTA consisting of Chair or its representatives of the WG-IDM, M&R, SON-FARM, SDRG and IOA, and representatives of FAO, IWMI, ADB as its members. ICID vide notification 14 of 2017 dated 10 July 2017 notified

establishment of TF-MTD. The Task Force will hold its first meeting during 68th IEC in October 2017 and shall report progress of its activities to IEC through PCTA.

14. In the composition of the Task Force, Chair/ nominee of the WG-M&R is one of the members besides IDM, IOA, SON-FARM, SDRG and international organizations like FAO, IWMI, ADB. The group may like to discuss the updation of MTD at the meeting and nominate a suitable professional for TF-MTD. Further work on updation of MTD will be taken up as per direction of TF-MTD.

WG-M&R Agenda Item 7: Brief report on the 23rd Congress “Modernizing irrigation and drainage for a new Green Revolution”, October 2017

15. ICID Central Office encouraged all members to contribute actively to the 23rd International Congress on Irrigation and Drainage organized by the Mexican National Committee (MXCID) in October 2017 in Mexico City as the theme “Modernizing irrigation and drainage for a new green revolution” is very relevant to the mandate of the WG. Members of the WG have reviewed congress papers and WG Chair will be acting as Panel of Experts/ Co-Chair for congress question 60.2 “Understanding water productivity, water and energy use efficiency and water footprint of crops”. Chair will provide a brief report of the event at the meeting.

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



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Mexico City (Mexico) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 13 October 2017.

Members and their attendance at 2015 and 2016 meetings

Sl. No.	Members	Member from (Year)	2015		2016		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VP Ian Makin, Chairman (UK)	2015	•		•	•	
2.	Dr. Dong Bin, Vice Chairman (China)	2015	•		•		
3.	Engr. Muhammad Sani Bala, Secretary (Nigeria)	2015	•				
4.	Mr. Vyacheslav Rozhon (Ukraine)	2015	•				
5.	Mr. Mehrzad Ehsani (Iran)	2015	•				
6.	Ir. Eko Subekti (Indonesia)	2015	•		•		
7.	Dr. Yohei SATO (Japan)	2015	•		•	•	
8.	Mr. Bir Singh Dhami, Young Professional (Nepal)	2015	•				
9.	Dr. Kwang-Sik Yoon (Korea)	2015	•		•		
10.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2015	•				
11.	Ms. Meral Çiçek (Turkey)	2015	•				
12.	Mr. Puleng Mofokeng (South Africa)	2015	•				
13.	Dr. Brian T. Wahlin (USA)	2015			•		
14.	Mr. Usman-e-Ghani (Pakistan)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
15.	Mr. Ali Omran Ali (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
16.	Mr. Firas Hussain Ali – Young Professional (Iraq)	2016					Provisional member No contribution since Chiang Mai. Recommended for discontinuation after Mexico meeting if no contribution
17.	Secretary General, ICID		#		#		
Permanent observers							
(i)	Mr. Alan Kendall Clark (UK)	2015	•				
(ii)	FAO Representative (Ms. Robina Wahaj)	2015	# ¹		•		



¹ # Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORKBODIES

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	TBD Case Studies	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 Released				
	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 at WWF8 in Brasilia			
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				
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)



**MODERNIZATION AND REVITALIZATION OF IRRIGATION
Broad Outline for Case Study / Country Paper**

(Guide – ideally about 9-10 pages – max length 14 pages)

1. **Introduction** – Very brief overview (**max 1.5 pages**)
 - (a) general country information such as topography, climate, agriculture and water resources development, and
 - (b) Irrigation and drainage development and achievements in the past
2. **Policy** – This section should briefly describe the (**max 1.5 pages**)
 - (a) challenges of food security,
 - (b) challenges of water scarcity,
 - (c) how irrigation water allocations are being effected,
 - (d) what are the shortcomings in irrigation systems,
 - (e) what strategies are being adopted, and
 - (f) how increasing more crop per drop challenge is being/ proposed to be met.
3. **Approach to modernization** – This section may include (**guide 1-2 pages**)
 - (a) details of the approach/ methodology adopted for modernization including
 - (i) stakeholders' consultation,
 - (ii) tools used for identification of components for modernization such as rapid appraisal, MASSCOTE, remote sensing and GIS etc.,
 - (b) components of modernization including cost estimates, benefits etc. and
 - (c) Funding mechanism
4. **Project information** – This section may include (**guide – up to 3 pages**)
 - (a) general information on project(s),
 - (b) its (their) performance in the past,
 - (c) identification of issues/concerns,
 - (d) need for modernization of the project(s);
 - (e) components of modernization of projects taken up, and
 - (f) component details etc.
5. **Implementation of modernization proposal** – This section may include (**Max 1.5 pages**)
 - (a) how modernization proposal was implemented,
 - (b) monitoring of project implementation,
 - (c) contribution from beneficiaries,
 - (d) how the need for new technology (if deployed) is being addressed.
6. **Lessons learnt including benefits from modernization** – This section may summarize (**Max 2 pages**)
 - (a) bottlenecks/issues/concerns faced during implementation,
 - (b) how these were overcome,
 - (c) lessons learnt from modernization process,
 - (d) impact and outcome of modernization of project etc.

7. **Way forward** – This section may provide **(Max 3 pages)**

- (a) summary and conclusions,
- (b) recommendations for future modernization plans,
- (c) roadmap for modernization of irrigation development in the country etc.
- (d) Funding required
- (e) Possible funding mechanism

References, maps, tables (as needed)

