

**MINUTES OF THE 4<sup>TH</sup> MEETING OF  
WORKING GROUP ON INSTITUTIONAL ASPECTS OF  
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

15 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:** The WG will investigate, analyse and disseminate information and knowledge on following issues: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/drainage services and determination of level of cost recovery.

**Members Present:** (1) VPH Hafied A. Gany, Chairman (Indonesia); (2) Dr. Kazumi Yamaoka, Vice Chairman (Japan); (3) VPH Ding Kunlun (China); and (4) Dr. Yu-Chuan Chang (Chinese Taipei).

**Observers:** (i) VPH Chaiwat Prechawit (Thailand); (ii) Ching-Tien Chen (Chinese Taipei); (iii) Chian-Chih Li (Chinese Taipei); (iv) Su, Mei-Yuan (Chinese Taipei); (v) Dr. Narges Zohrabi (Iran); (vi) Mamoru Watanabe (Japan); (vii) Mr. Bashu Dev Lohanee (Nepal); (viii) Surat Thanusin (Thailand); (ix) Mr. Arthon Suttigarn (Thailand); (x) Apiruks Srikoowong (Thailand).

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

1. Chair introduced the meeting and welcomed the members and all the observers. 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. Chair reported that WG organized Symposium in Mexico City during the 23<sup>rd</sup> Congress in October 2017 with the Theme: “Global Review of Institutional Reform in irrigation Sector for Sustainable Agriculture Water Management, including water users’ associations”. The group was informed that draft soft publication of Symposium Papers is currently being prepared by ICID Central Office while waiting for few reviews and paper contribution from Thailand.
3. A paper on the topic of “Global Review of Institutional Reform in the Irrigation Sector for Sustainable Agriculture Water Management, Including Water Users Associations” is under publication through ICID-in the special issue of Irrigation and Drainage Journal by Wiley Publisher.

**WG-IOA Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on institutional and organizational aspects of irrigation**

4. The group reviewed the Action Plan for WG-IOA and updated keeping in view the mandate and availability of resources for achieving various activities. The milestones were decided and updated by the WG in the action plan (refer **Annex**). Chair informed that WG was only able to have limited consultation with other working groups so as to avoid duplication of the activities and getting their support to achieve intended outcome/ outputs of the WG, and suggested to continue the review of the action plan during the 5<sup>th</sup> meeting of IOA in Bali, Indonesia in September 2019.
5. Chair VPH Gany informed that he had submitted a paper for the 8<sup>th</sup> ARC with the topic “PIM Procedures and Processes under the Small Holding Farming” held in Kathmandu in May 2018. It was reported that coinciding with

the 8<sup>th</sup> ARC, Chair also contributed a related material on soft publication, as proceeding of the 8<sup>th</sup> ARC. The paper was also shared with all members of WG-IOA for general information.

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

6. The group noted that Mr. Chaiwat Prechawit, Thanar Sutrawattana, Watchara Suiadee, Vipop Teamsuwan from Thailand were expected to present the paper at the IOA Workshop on 12 August 2018 however they could not make presentation due to their late arrival, and hence they made the presentation titled: “Irrigation management and participation in Thailand” during the 4<sup>th</sup> meeting of WG-IOA. The Chair noted that the paper is quite relevant with the theme of IOA Symposium held in Mexico. So, it was suggested that the country paper from Thailand will be reviewed, edited and compiled together with the Mexico Symposium Papers.

7. Mr. Kazumi Yamaoka, Vice Chairman presented a paper titled “Tropical Perennial Rice farming systems (SALIBU technology) for the 2nd Green Revolution against climate change”. The paper is quite important to support WG in terms of rice planting technology. The chairman therefore suggested to review and edit the paper for supporting the data base of WG and proposed to present with complete full paper during the 70<sup>th</sup> IEC meeting in Bali in September 2019.

**WG-IOA Minutes Item 4: Dissemination of activities of WG – Website of the group**

**WG-IOA Minutes Item 4.1: Website of the group**

8. The group noted that the website of WG-IOA had not been utilized effectively and hence Chairman suggested that the members be actively participate and access the website and upload the appropriate document that would be effectively used by the members of the IOA working group in completing the assignment by 2021 and beyond.

**WG-IOA Minutes Item 4.2: Webinar/ Web based seminar**

9. Similarly, it was noted that the members of WG had not been actively participating in the effective use of web-based seminar, and hence the chairman requested them to participate in the future Webinar in consultation with other members of WG-IOA.

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

10. Dr Yu Chuang Chang as the member of WG-IOA was assigned to represent the WG-IOA at the TF-MTD. Dr. Chang reported that the updating of MTD is being conducted on regular basis, but the progress is slow. During the meeting, some members suggested to start with the simple terms and make updating while discussing the related material with other members of TF from other WG. Dr. Chang presented the report with example of chapter 11 of irrigation system distribution and updated 148 terms on the popular terms. Chair VPH Dr. Gany suggested to continue the process of updating and plan to make regular updating with the support of other members of the WG through e-mail on regular basis.

**WG-IOA Minutes Item 6: International Workshop on “Institutional and Organisational Setup of Irrigation and Drainage Management System”, August 2018, Canada**

11. Based on the Mexico Symposium, International Workshop was conducted successfully on 12 August 2018 on the theme “Institutional and Organizational Setup of Irrigation and Drainage Management System” with sub-theme as the focus on institutional and organizational (I&O) setup of irrigation and drainage (I&D) management (O&M) schemes with new I&O development, method and approaches wherein 43 persons participated.

12. **Expected Outputs:** It is expected that the Saskatoon workshop would provide special scrutiny on I&O aspects of I&D operation and management vs size of land holding; level of I&D technology practice, and level of income versus capacity of the farmer to recover sustainable O&M budget & resolving water management problems; capacity to conduct the demanded O&M technology versus institutional capacity to conduct integrated working relationship with the related stakeholders; and I&O Structure versus capacity to sustain the routine implementation of integrated capacity.

13. Fundamental principle for achieving of irrigation management sustainability had been identified with five aspects namely: appropriate number and capacity of human resources; proper institutional and organizational management; appropriate O&M technology; adequate funding; and appropriate legal instruments and sensible enforcement.

14. **The way forward direction:** Need immediate setting of roadmap and implementation for optimize use of irrigation facilities toward sustainable development and eliminating the perpetuating impacts of vicious cycle toward strong rural farmers and integrated relationship with stakeholders.

15. **I&O Database:** For building up a complete I&O database system, the WG-IOA will continue to compile all “Outputs” for supporting the completion of its mandate by 2021, by virtue of: investigate, analyse and disseminate information and knowledge among the issues of IOA such as Legal Framework and Organizational Structures of WUA, PIDM, IDMT, and PPP in irrigation/drainage. It was proposed that members’ participation are highly expected through continuous encouragement.

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

16. The group suggested to organize the workshop based upon the second symposium topics, from the scope of WG i.e. “Participatory Irrigation Management and Management Transfer, Approaches and condition for successful PIDM” during the 70<sup>th</sup> IEC meeting in Bali in September 2019. The sub-topic covers: (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM); (b) approaches and conditions for successful irrigation/ drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (c) Institutional and Organizational Aspects of Participatory Irrigation/ Drainage Management – PIDM for Micro Irrigation system.





## 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
<b>Goal A: Enable higher crop productivity with less water and energy</b>							
<b>A4. Strategy:</b> Promoting institutional reforms	4.1 Introduce suitable institutional setup	Guidelines		Prepare the first draft report		Finalise the draft report & publication	
<b>A6. Strategy:</b> Improving performance of irrigation systems	6.3 Facilitate policy analysis for improved water governance with a focus on agricultural water management and sustainable rural development.	Technical Paper					
	6.4 Develop generalized legal regulations (guidelines) and implementing changes in the public and private sectors of agriculture and water economies of the countries	Guidelines					
	6.5 Implementing changes in the public and private sectors of agriculture and water economies	Position paper					
<b>A8. Strategy:</b> Encouraging Participatory Management of Irrigation Systems							
<b>Goal C: Facilitate exchange of information, knowledge and technology</b>							
<b>C1. Strategy:</b> Providing knowledge sharing platform for AM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium	
<b>C4. Strategy:</b> Compile, collate and share knowledge and experiences	4.10 Condensed overview of existing key books, manuals, guidelines and other relevant publications on the institutional, organizational aspects of	Technical report		Release the first report		Release the second report	Release of final report

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
	irrigation management						
	4.11 Overview paper on the state of the art on the IOA of I&D in Irrigation and Drainage (IRD)	Paper		Preparation of the draft of first paper	Submission of first paper for IRD	Preparation of the draft of second paper	Submission of second paper for IRD
	4.12 Exchange of information and sharing knowledge through case studies on institutional and organizational	Case studies	Exchange of information		Exchange of information		Exchange of information

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

