

**MINUTES OF THE 5TH MEETING OF THE
WORKING GROUP ON INSTITUTIONAL ASPECTS OF
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

05 September 2019, 14.00-16.00 hours (Session I)

05 September 2019, 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: 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 Dr. Hafied A. Gany, Chair (Indonesia); (2) Dr. Kazumi Yamaoka, Vice Chair (Japan); (3) Dr. Yu-Chuan Chang (Chinese Taipei).

Observers: (1) Dr. Narges Zohrabi (Iran); (2) Ching-Tien Chen (Chinese Taipei); (3) Yuan Tan An (Chinese Taipei); (4) Chiang Shih Chi (Chinese Taipei).

Webpage: http://www.icid.org/wg_ioa.html

WG-IOA 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.

2. Mr. Franck Sanfilippo (France), Mr. Houshang Hasouni Zadeh (Iran), Mr. Ghassan Lutfi Ahmed (Iraq), and Ms. Hend Emad Alhendy (Iraq) neither attended the meeting nor contributed to the activities of the group for more than one year so the group suggested to discontinue their membership and invite new nominations from the NCs. Membership status is given in **Annex 4 (page 27)**.

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

3. Chairman Dr. Hafied Gany explained that a paper is under publication by John Wiley & Sons Ltd. Entitled: "Present Status and Developments with respect to Roles of Stakeholders in Relation to the ICID Vision 2030".

4. The above paper discusses the global review on the present status of irrigation development and management in line with stakeholders' understanding and practices on Irrigation Vision 2030. The elucidation has addressed the related issues, with institutional and organizational aspects as the fundamental mechanism of stakeholder coordination. In line with the effort to comprehend the underlying status of irrigation and drainage development and management, five determinant aspects have been scrutinized in the analysis. These are: (i) human resources; (ii) institution and organization; (iii) technology for sustainable operation and maintenance (O&M); (iv) sustainable O&M funding; (v) effective regulatory instruments and enforcement. Particularly in the field of agricultural water management (AWM), it has been evident from a number of previous experiences that the absence or imbalance of an integrated relationship among any of the five aspects would bring about ineffectiveness of infrastructural functions. Therefore, institutional and organizational aspects must be reformed in line with the future direction stated by the ICID Vision 2030, among others for improving the crucial role of stakeholders toward sustainable AWM.

WG-IOA Minutes Item 2.1: Publication of the WG

5. At the meeting, Chair provided the following report as part of the action taken on the Saskatoon meeting:

Final Draft for Publication:

6. Soft Publication of Symposium Papers (under preparation by ICID Central Office); (2) Global Review of Institutional Reform in the Irrigation Sector for Sustainable Agriculture Water Management, Including Water Users Associations (on the way for ICID-Wiley Publication); (3) Present Status and Developments with Respect to Roles of Stakeholders in Relation to The ICID Vision 2030 (ready for publication by ICID-Wiley Publisher - sent on June 2019).

Other IOA related Publication:

7. WG Chair Mr. Gany submitted a paper titled “PIM” Procedures and Processes under the Small Holding Farming” for 8th Asian Regional Conference (ARC) held at Kathmandu in May 2018. Chair Dr. Gany contributed IOA related material to the soft publication, which was included in the proceeding of the ICID Symposium (Irrigation in Support with Evergreen Revolution) of 8th ARC. All material related with WG-IOA from 8 ARC was shared by the WG Chair with the members of WG-IOA for their reference through email on August 4, 2018. The proceeding was delivered by Nepal National Committee (NENCID) in January 2019.

Keynote paper publication:

8. A keynote paper was also given by Chair Dr. Hafied Gany during the Eight International Seminar on Institutional Challenges on Water Security in Irrigation System, FMIST held at Kathmandu, Nepal from 06-07 May 2019, which was also shared with the members on 4 June 2019. The proceeding is on the way for publication by FMIST (2019).

Relevant Publication with WG-IOA:

9. Chairman VPH Hafied Gany brought out a relevant publication titled “Subak Irrigation System in Bali: An Ancient Heritage of Participatory Irrigation Management in Modern Indonesia” which is available at ICID’s website https://www.icid.org/wg_ioa.html. ICID Central Office had circulated the above book to all members of the WG.

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

10. Dr. Kazumi Yamaoka, Vice Chairman of WG-IOA from Japanese National Committee (JNC-ICID); Japan International Research Center for Agricultural Sciences (JIRCAS) made an interesting presentation on “Changing the nervous mind of small scale farmers who are reluctant to invest for their development” during Plenary Session (III) under sub-theme 2 of WIF3. Dr. Kazumi Yamaoka informed that an order of one billion poor small scale farmers are still left behind in economic development. We should realize the Second Green Revolution in this century in the way of giving the most benefit to the numerous poor small scale farmers who are excluded from the economic development during the first Green Revolution in the late 20th Century. However, the situation calls on poor small scale farmers to increase their self-investment. Dr. Yu-Chuang Chang (Chinese Taipei) informed that there is need for large capital investment to introduce and implement Participatory Irrigation Management, and integrating the PIM and Management transfer of irrigation management. For instance, the government transfer in Chinese Taipei is currently initiating the transfer of irrigation to farmer, and the farmer is currently having no payment for irrigation water charge.

WG-IOA Minutes Item 4: Dissemination of activities of WG – Website of the group**WG-IOA Minutes Item 4.1: Website of the WG**

11. Chair requested members to access the website of the WG and provide interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website.

WG-IOA Minutes Item 4.2: Webinars/ Web based seminars

8. Chair noted the importance of the webinars however, due to paucity of time, the item was not discussed.

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

12. Dr. Yu Chuang Chang was assigned to represent the WG-IOA in the TF-MTD meeting. Dr. Chang reported that updation of MTD is being conducted on regular basis, but the progress is slow. Chair VPH Dr. Gany suggested to continue the process of updation 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 Participatory Irrigation/ Drainage Management – Transfer, Approaches and Condition for Successful PIDM, September 2019, Bali

13. International Workshop on the theme: “Participatory Irrigation/ Drainage Management – Transfer, Approaches and Condition for Successful PIDM (IOA)” was organized on 1 September 2019 at Bali. The workshop was successfully organized wherein about 30 participants participated. Participants informed that the workshop materials presented from different region is highly meeting their expectations in respect of the planned objectives that would contribute remarkably to IOA of ID Management; particularly to PIM, legislation and institutional requirement for IDMT.

14. The general conclusion of the workshop are as follows: (1) Empowerment of I&O Requirements in transferring the responsibilities and/or ownership of irrigation and drainage system to WUA is one of the most important aspects to ensure for maintaining the success of PIDM including productivities of Micro Irrigation category; (2) Improvements of roles and legislation of irrigation service arrangement and extension facilities in modernization of irrigation management must be conducted through sustainably effective I&O Arrangement of the farmer through WUA and related stakeholders.

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

15. 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.

WG-IOA Minutes Item 8: Any other business

16. WG-IOA meeting in Sydney (Australia) in September 2020: For completion of mandate of WG-IOA in September 2021, a workshop is proposed during Sydney meeting in September 2020 to incorporate the overall mandate of institutional and organizational aspects of IOA. The theme of the workshop will be “Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward sustainable Irrigated Agricultural water management”. The sub themes will be: (a) PPPs Approaches and Conditions for successful IOA toward sustainable O&M of Irrigation and Drainage; (b) PPPs approaches and conditions of IOA for successful irrigation/ drainage management transfers arrangement; (c) Legislation and institutional requirements for transferring of responsibilities and/or ownership of irrigation and drainage systems to water users associations through PPPs Approach.



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							
A4. Strategy: Promoting institutional reforms	4.1 Introduce suitable institutional setup	Guidelines		Prepare the first draft report		Finalise the draft report & publication	
A6. Strategy: 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					
A8. Strategy: Encouraging Participatory Management of Irrigation Systems							
Goal C: Facilitate exchange of information, knowledge and technology							
C1. Strategy: Providing knowledge sharing platform for AM professionals	1.7 Organize Workshop, Seminar and Symposium	Compilation of proceedings	Symposium	Symposium	Symposium	Symposium	
C4. Strategy: 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)



