

**WORKING GROUP ON INSTITUTIONAL AND
ORGANIZATIONAL ASPECTS OF IRRIGATION / DRAINAGE
SYSTEM MANAGEMENT (WG-IOA)
Closure Report – JUNE 2024**

BACKGROUND

Please include background of setting of working group/TF including its mandate etc. The WG-IOA was established in 2015. Based on the recommendations of PCTA, IEC in its 71st meeting held virtually on 7 & 8 December 2020 approved extension of the term of the WG till 2023, with regard to underlying delays of activities due to the impact of COVID-19 pandemic.

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/Drainage 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.

Is it necessary to put here the list of WG members?

In accordance with the Road Map to ICID Vision 2030, the WG had set as its final output “Publication and launching of the Final Report of WG-IOA”, which has been rescheduled several times due to unavoidable impacts of COVID-19 pandemic, with the following draft structure:

Chapter I:	Introduction
Chapter II:	Legal Frameworks
Chapter III:	Participatory Irrigation/Drainage Management (PIM) and Irrigation/Drainage Management Transfer (IDMT)
Chapter IV:	Observed Impacts of Participatory Irrigation/Drainage Management
Chapter V:	Public Private Partnership (PPPs) in Irrigation/Drainage Management
Chapter VI:	The Way Forward and Recommendation.

1. Activities Undertaken

Please give brief description of how objective and mandate of the WG was achieved. This section may include actions/activities undertaken, output and outcome of WG activities etc. Summary of activities may be included as an Annex (as an example refer Annex to WG agenda of 66 IEC for WG-DROUGHT, WG-CAFM etc.)

2015 in Montpellier, France

2016 in Chiang Mai, Thailand

2017 in Mexico City, Mexico

[Symposium: Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA]

Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	Australia
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	China
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	India
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	Indonesia
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Iran
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	Japan
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA	South Korea
Country Paper:	Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA - A Specific Case of Muda Agricultural Development Authority (MADA)	Malaysia
Country Paper:	Reforms in the Administration of Irrigation Systems – Mexican Experiences	Mexico
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Nepal
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Sudan
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Chinese Taipei
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Turkey
Country Paper:	Irrigation Management Reforms in Iran – Lessons Learned from 25 Years' Experience and Issues for the Future	Ukraine

2018 in Saskatoon, Canada

2019 in Bali, Indonesia

2020 Virtual IEC hosted by India (due to COVID-19 pandemic)

2021 in Marrakesh, Morocco

Webinar titled “General Challenges of Irrigation Schemes Management under Different Scales: With Special Consideration on Institutional and Organizational Aspects of System Management” on 21 January 2021. https://icid-ciid.org/inner_page/66	Indonesia (by Chair Dr. Gany)
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2022 in Adelaide, Australia

[International Workshop: Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management]

Taichung Luchuan Metamorphosis from an Irrigation Canal to an Urban Multifunctional Waterway toward Sustainable Development Goals	Taiwan
Public Private Partnership Input in Development Infrastructures Management by Users and the Case of Irrigation System of Baguineda in Mali	Mali
Effectiveness of capacity building in operationalisation of Participatory Irrigation Management [PIM] in Karnataka (India)	India
Making Minor Irrigation Schemes Successful through Community Management – an Example from West Bengal, India	India
Participatory Irrigation Management in Bihar, India	India
Taiwan Modernized Irrigation Technical Support to Cooperative Demo Farm in Indonesia on Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance	Taiwan

- The International Workshop on "Public Private Partnerships (PPPs) in Irrigation and Drainage Operation and Maintenance towards Sustainable Agricultural Water Management" which was planned during 5th AfRC and 72nd IEC at Marrakesh, was cancelled due to technical and communication problems. Subsequently, the group agreed to implement it during the upcoming ICID event of 24th ICID International Congress and the 73rd IEC meeting in October 2022 in Adelaide, Australia.

2023 in Visakhapatnam, India

- Due to the constraint faced during the COVID-19 pandemic, the Final Report of the WG-IOA mandate could not be completed based on the previous schedule.
- Considering the fact that all data and information have already been collected including the results of the Mexico Symposium 2017 and the e-Publication of the Mexico Symposium 2017, workshops and seminars related to WG-IOA are available and accessible on the database of the WG website. The working group proposed that publication of the final report of WG-IOA be conducted parallel with the implementation of the newly amalgamated Working Group, to be conducted and followed up as part of the activities of the newly amalgamated Working Group, principally by the former members of individual WG-IOA but with relevant support by other new members.

2. Conclusion and recommendations

This section may include summary of conclusions and recommendations based on activities, outcome and performance of the working group. Recommendation may also cover suggestions for improving performance of WG/ coordination among different WGs in general, if any.

3. Way Forward

This section may cover suggestions for continuation of WG with or without revised mandate or otherwise etc.

According to the Minutes of the 74th IEC,

- WG-IOA (Institutional and Organizational Aspects on Irrigation/Drainage System Management) + WG-VE (Value Engineering) + WG-IDM (Irrigation Development and Management) + WG-M&R (Modernization and Revitalization of Irrigation Schemes) will be combined together and the new name of WG-IOA which reflects the inclusion of the outgoing Working Groups will be “Institutional and Organizational Aspects on Modernization of Irrigation Development and Management with the Support of Value Engineering -- The shortened form is WG - I&O MIDVE”.
- **New group WG-I&O MIDVE** under the theme Sustainable Development will cover the following aspects, which are to yet be discussed and determined through the process of restructuring of the working groups:

(Draft Proposal) 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
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 - (b) improvement of organizational 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/Drainage 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.
- (4) 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.

