

**MINUTES OF THE FOURTH ZOOM MEETING OF
WORKING GROUP ON INSTITUTIONAL AND ORGANIZATIONAL ASPECTS OF IRRIGATION/
DRAINAGE SYSTEM MANAGEMENT (WG-IOA)
21st October 2021 from 17:30 to 19:30 hours (IST)**

Members Present: (1) VPH Dr. Hafied A. Gany, Chairman (Indonesia); (2) Dr. Keigo Noda, Vice Chairman (Japan); (3) Mr. Taku Mori, Secretary (Japan); (4) VPH Ding Kunlun (China); (5) Dr. Qazi Tallat Mahmood Siddiqui (Pakistan); (6) Dr. Sunil D. Gorantiwar(India); (7) Dr. Niannian Yuan – Young Professionals(China); (8) President Dr. Ragab Ragab (UK); (9) Executive Director Harish Varma represented Secretary General, ICID.

The implementation of ICID Fourth WebEx Zoom Meeting for Working Group on Institutional Aspects of Irrigation/ Drainage System Management (4th WebEx -- virtual – zoom meeting) WG-IOA) was successfully conducted on October 21st 2021 from 17:30 to 19:30 hours (Indian Standard Time) / 19:00 to 21:00 (Jakarta Standard Time).

The minute of meeting of discussion at the WebEx meeting as follows:

A. Review for Sharing the responsibility to contribute preparation of the final report:

Concerning Preparation of Final Report of WG-IOA with the topic of “Institutional and organizational reform in irrigation and drainage sector for sustainable agriculture water management”, the members of WG-IOA have been discussing the available draft of final report of WG-IOA with some reviews and suggestions on both assignment and material of the draft for overcoming the improvement of the draft as well as additional supporting, however, due to one reason or another, some members were not present in the WebEx meeting in accordance with implementation schedule and subsequently others sharing the responsibility to prepare and improve the draft of final report as per the following table:

Table of Reviewed Implementation Schedule and Assignment for subsequent preparation of Final Report WG-IOA (Based on discussion at the 4th WebEx Meeting, 21st October 2021)

No.	Chapter and Sub Chapter	Prepared By	Remarks
1.0.	<p>Introduction</p> <p><u>(Improvement will be made after comments and suggestion at the 4th WebEx meeting while waiting results of International Workshop on PPP's, in Marrakesh 28 November 2021);</u></p> <p><u>The items suggested by President ICID, Dr. Ragab, to include were not possible because so far, WG have not received comments or inputs from other members of WG-IOA, then the suggested items will only be included as if possible as stated by Dr. Ragab as an optional suggestion (not a must) depending only upon the condition as if possible to accommodate at the next meeting of WG-IOA – because this matter was not included in the mandate of WG-IOA - 2015).</u></p>	<p>Dr. Hafied A. Gany (Chairman of WG-IOA)</p> <p>(Suggestions and recommendations are still opened from members of working group and or resource persons based upon IOA items that are not available at the preliminary references)</p> <p><u>Unfortunately, there is no comments so far given by others so, the status of Chapter One remained unchanged.</u></p>	<p>No change or improvement were made as no comment or suggestion of members of WG-IOA on the 4th WebEx Meeting, and no external references were included by the member countries experiences.</p>
2.0.	<p>Legal Frameworks</p> <p>2.1. Issues and challenges related to land and water;</p> <p>2.2. Review of institutional and organizational aspects of irrigation and drainage sector;</p> <p>2.3. Need for institutional reforms;</p>	<p>Mr. Taku MORI, from Japan (Secretary of WG-IOA), in collaboration through routine email communication with Dr. Hafied Gany and Dr. Keigo Noda (Vice Chairman of WG-IOA), from Japan.</p>	<p>References are basically taken from cases of the countries presented at the Mexico 2017's Symposium,</p>

**4th Virtual meeting of Working Group on Institutional and Organizational Aspects of Irrigation/
Drainage System Management (WG-IOA)**

No.	Chapter and Sub Chapter	Prepared By	Remarks
	<p>2.4. Institutional and organizational structure for sustainable water management; 2.5. 2.6.</p> <p><u>(At the 4th WebEx meeting, the draft report has been improved by setting up information from Mexico Symposium representing comprehensive the legal frameworks of 14 countries set up in alphabetical of about 40 pages).</u></p> <p><u>A constrain is being faced in making generalization due to the fact that legal aspects are differed from country to country. So, report is suggested to present the general structure giving the common issues of the legal frameworks that tends to happen in most countries and or regions.</u></p>	<p>(Suggestions and recommendations from members of working group and or resource persons were not possible due to the absence of inputs other than the preliminary references).</p> <p><u>Mr. Mori will send the latest draft review of chapter 2 through email to all member of working group for comment and evaluation.</u></p>	<p>and/or other relevant cases.</p> <p>(Intensive coordinative discussion were not done with other chapters due to the minimum of inputs received)</p>
3.0.	<p>Participatory Irrigation/ Drainage Management (PIDM) and Irrigation/ Drainage Management Transfer (IDMT)</p> <p>3.1. Needs and objectives of PIDM; 3.2. PIDM Approach; 3.3. Status of PIDM-WUAs, their Roles and Responsibilities; 3.4. Condition for Successful PIDM; 3.5. Global Lessons Learnt; 3.6.</p> <p>(Till the 4th WebEx meeting no draft have been available despite the fact that during The 3rd WebEx meeting it was suggested to incorporate suggestions and recommendations from the countries' experiences members of working group and/or resource persons based upon IOA items concerning PIDM and Irrigation and IMT on top of the relevant items discussed at the International Workshop conducted in Bali, on 2nd September 2019).</p> <p>Note: The Central Office of ICID has provided all the relevant references to Dr. Sunil D. Gorantiwar for being a newly nominated member of WG-IOA.</p>	<p>Ms. Raghard Sami Aljanabi from Iraq in collaboration through routine email with Mr. Hasan Basri Yuksel from Turkey and/or Dr. Qazi Tallat Mahmood Siddiqui from Pakistan.</p> <p><u>(The fact that till the 4th WebEx meeting, no paper draft has been possible to be presented for Chapter 3, despite that it was suggested at the 3rd WebEx Meeting to take over by Dr. Sunil D. Gorantiwar sdgorantiwar@gmail.com (nominated member of WG-IOA from India), while still giving a chance of the originally approved team to participate when they are available).</u></p> <p><u>Thus Chapter 3 is still expected to prepare by Dr. Sunil D. Gorantiwar, accordingly, the central office sent email and reminded him.</u></p>	<p>May be supported by other members of WG-IOA as if required.</p> <p>(The 4th WebEx meeting still consistent with suggestion of 3rd WebEx meeting to make intensive coordinative discussion with other chapters' preparation to avoid overlapped and/or repetitive materials amongst other chapters and/or sub chapters)</p>
4.0.	<p>Observed Impacts of PIDM</p> <p>4.1. Water Allocation and Service Delivery; 4.2. Cost Recovery; 4.3. Water Use Efficiency; 4.4. System Sustainability; 4.5. Social Impacts; 4.6.</p> <p><u>(Like the case of 3rd WebEx Meeting, at the 4th WebEx meeting the draft report is still consistent to consider it to be quite comprehensive and discussing the observed impacts of PIDM of most of the countries that are included in the study areas within the regions that are relevant with mandate of Working Group IOA. However, no change or improvement have been made having the fact that no comments and suggestion have been delivered by members of WG-IOA.)</u></p> <p>Request is expected for further information from case studies for improvement of the draft of Chapter-4. <u>Dr. Ding Kunlung</u> would share one</p>	<p>VPH Dr. Ding Kunlun, member of WG-IOA from China.</p> <p>(Despite Suggestions and recommendations that are opened at 3rd WebEx for members of working group and or resource persons to improve the draft, <u>till 4th WebEx meeting no comments no suggestion have been provided by the members of WG-IOA then the draft has not been changed based upon IOA items that are not available at the preliminary references</u>; it is expected to accommodate experiences from China on Observed Impacts on Participatory Irrigation and Drainage Management, in which China has been performing quite extensive experiences in PIDM and IMT.)</p>	<p>May be supported by other members of WG-IOA as if required.</p> <p>(The 4th WebEx meeting is still suggested to make intensive coordinative discussion with other chapters' preparation to avoid overlapped and/or repetitive materials amongst other chapters and/or sub chapters)</p>

**4th Virtual meeting of Working Group on Institutional and Organizational Aspects of Irrigation/
Drainage System Management (WG-IOA)**

No.	Chapter and Sub Chapter	Prepared By	Remarks
	<u>relevant paper with PIDM for consideration to include as additional reference to Chapter-4.</u>		
5.0.	<p>Challenges</p> <p>5.1. Water Accounting and Auditing; 5.2. Method and Mechanism for Determination of Cost Recovery and Water Charges; 5.3. Engineering Challenges; 5.4. Possibility of Public Private Partnership (PPP) for Financing and Improved Service Delivery; 5.5. Issues in Upscaling PIDM/ IDMT; 5.6. Capacity Building and Capacity Development; 5.7. 5.8.</p> <p><u>At the 4th WebEx Meeting the draft report is also expected to come up with comprehensive and elaborate the Challenges that are associated with experiences in the study areas within the regions that are relevant with mandate of Working Group IOA particularly the three consecutive International Workshops.</u></p>	<p>Dr. Keigo Noda (Vice Chairman of WG-IOA), from Japan.</p> <p><u>Till the 4th WebEx Meeting the draft of Chapter 5 is still on the way for finalization. Dr Noda will send the complete draft of chapter 5 within one month or so.</u></p> <p><u>(Similarly, Suggestions and recommendations are also opened from members of working group and or resource persons regarding challenges of WG-IOA based upon IOA items that are not adequately available at the preliminary references.)</u></p>	<p>May be supported by other members of WG-IOA as if required.</p> <p>(Similar with the third WebEx meeting, the 4th WebEx meeting also suggest to make intensive coordinative discussion with preparation of other chapters to avoid overlapped and/or repetitive materials amongst the chapters and/or sub chapters)</p>
6.0.	<p>Way Forward and Recommendations</p> <p>6.1. Best Practices for Replication; 6.2. Future Plans; 6.3. Recommendations;</p> <p>The fact that till 4th WebEx meeting 2021 there is no draft as yet to be delivered for chapter 6 which is The Way Forward and Recommendation, then the complete set of draft must be send or distributed to all in order to be able to accommodate the complete draft as reference for Chapter 6, which is way forward and recommendation. This chapter will refer the entire draft for the way forward and recommendation.</p> <p><u>(Similar with suggestion at the 3rd WebEx meeting, the material of this chapter is also opened for suggestions and recommendations from the countries' experiences members of working group and/or resource persons based upon IOA items concerning the Way Forward and Recommendation that are not available at the preliminary references, nor the relevant items discussed at all draft chapters that have been prepared by others that are assigned for the chapters).</u></p>	<p>Dr. Qazi Tallat Siddiqui, from Pakistan, through routine collaboration with others responsible chapters' coordinator.</p> <p>(Due to the fact that till present, no paper draft has been possible to be presented for Chapter 6, then the 3rd WebEx Meeting suggested that this Chapter-6 will be taken over by Dr. Neelam Patel neelam.patel@gov.in (nominated member of WG-IOA From India). And still give a chance of the originally approved team to participate when they are available).</p>	<p>Basically, be based upon items concluded on other chapters and/or other relevant references.</p> <p>(The 4th WebEx meeting also suggested suggest to make intensive coordinative discussion with preparation of other chapters to avoid overlapped and/or repetitive materials amongst the chapters and/or sub chapters.)</p>
<p>NOTES:</p> <ol style="list-style-type: none"> As suggested in the 3rd WebEx Meeting, additional items might be included in the general outline as if considered relevantly appropriate with the main references, but <u>apparently the members were still unable to make optimum notes and/or additional items for discussion in the 4th WebEx meeting, so it is still necessary to encourage more participation through routine email communication for finalizing the report draft.</u> <u>It is therefore necessary to intensify Internal negotiation with other colleagues responsible as to share preparing the draft of any particular sub chapter by minimizing overlapped with material of other chapters.</u> <u>Separate email communications for including the relevant materials that are considered appropriate for enhancing overall improvement of the final report and subsequently be discussed in the routine meeting of WG-IOA.</u> <u>For general reference, chair welcomed all members to propose any reference materials that are appropriately considered relevant with the final report on top of the available references which were collected and provided form previous activities of the WG-IOA.</u> 			

B. Review and adjustment of the Remaining Time for Implementation program of WG-IOA

2. Considering the overall time frame and the availability of time for discussion of the draft of the report of WG-IOA and the underlying progress of draft report preparation through virtual meetings and/or webinars, the meeting requested that all members of WG-IOA be actively prepare the respective assignment and asking collaborative supports of other ICID Working Groups, Task Forces and Central Office of ICID, through individual effort by email within the remaining time frame:

2.1. Concerning Chapter One, **Dr. Hafied Gany** as chairman of WG-IOA, who is responsible for the chapter reported at the 4th WebEx meeting that there is no comment so far given by member of WG-IOA nor from resource persons, so the status of Chapter One remained unchanged. Improvement, however, will be made after comments and suggestion at the 4th WebEx meeting while waiting for the results of International Workshop on PPP's, in Marrakesh 28 November 2021);

2.2. Concerning Chapter Two, **Mr. Taku Mori** from Japan as secretary of WG-IOA, who is responsible for the chapter at the 4th WebEx meeting informed that he was not available to explain chapter two at the 3rd WebEx meeting because he was leaved earlier for an urgency. At the 4th WebEx meeting, the draft report has been improved by setting up information from Mexico Symposium representing comprehensive the legal frameworks of 14 countries set up in alphabetical order of about 40 pages. A constrain is being faced in making generalization due to the fact that legal aspects are differed from country to country. So, report is suggested to present the general structure giving the common issues of the legal frameworks that tends to happen in most countries and or regions. Mr. Mori will send the latest draft review of chapter 2 through email to all member of working group for comment and evaluation. The report will be compiled further by chairman, together with Vice Chairman and Secretary of WG-IOA for subsequent review and discussion and send the draft gradually to Central Office of ICID for finalization by the help of external outsourcing professional reviewers/editors.

2.3. Despite the fact that preparation of Chapter for Chapter 3 had been suggested to take over by **Dr. Sunil D. Gorantiwar** sdgorantiwar@gmail.com (a nominated member of WG-IOA from India) at the 3rd WebEx Meeting and still not possible to present report draft at the 4th WebEx meeting, then the members suggested the Central Office to write to Dr. Sunil to prepare the draft. Accordingly, Central Office requested Dr. Sunil Gorantiwar to get in touch with Chairman for contributing to chapter 3. The report will be compiled further by chairman, together with Vice Chairman and Secretary of WG-IOA for subsequent review and discussion and send the draft to Central Office of ICID for finalization with the help of external outsourcing professional reviewers/ editors.

2.4. For Chapter 4, Observed Impacts of PIDM, **Dr. Ding Kunlung** as the responsible person, reported at the 4th WebEx Meeting that so far, there is no review or changes made for Chapter 4, having the fact that he has not received any review from members of WG-IOA nor from resource person. Dr. Ding Kunlung requested further information on relevant case studies for enriching information on chapter 4. For this purpose, Dr. Ding Kunlung is sharing a relevant paper as additional information be included in Chapter 4, on top of the upcoming information from others. The subsequent draft will be sent to Chairman of WG-IOA, with CC to Central office and members of WG-IOA, then to be incorporated with other chapters and subsequently be sent to the Central Office of ICID for finalization with the help of outsourcing professional reviewers/editor, before electronic type of publication.

2.5. On Chapter 5 (Challenges), **Dr. Keigo Noda** (Vice Chairman of WG-IOA), from Japan reported at the 4th WebEx meeting that the draft of Chapter 5 is still on the way for finalization and hence no comments, or suggestion have been possible for this chapter. Dr Noda will send the complete draft of Chapter 5 within one month or so and will send the draft chapter to Chairman of WG-IOA with CC to Central Office of ICID. There by, comments, suggestion, and recommendation are still opened for all for improvement before final editing by external professional outsourcing and publication by the Central Office of ICID.

2.6. Similarly for Chapter 6, the Way Forward and Recommendation, till present at the 4th WebEx Meeting, no paper draft has been possible to be presented for Chapter 6, though it was suggested at the 3rd WebEx Meeting that this chapter will be taken over by **Dr. Neelam Patel** neelam.patel@gov.in (a nominated member of WG-IOA from India). And still give a chance of the originally approved team to participate when they are available. Since this chapter is summary of other chapters, the completed chapters should be sent

to Dr. Nilam Patel for reference. The report for Chapter 6 will be compiled further by Chairman, together with Vice Chairman and Secretary of WG-IOA for subsequent review and discussion and send the draft to Central Office of ICID for finalization by the help external outsourcing professional reviewers.

2.7. Completion of final draft will be done after having finalization by the help of external outsourcing professional reviewers/ editors organized by Central Office of ICID on top of the incorporating with the Report and Papers on last International Workshop of WG-IOA ICID on Public and Private Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management, which would be conducted at the 72nd IECM of ICID in Marrakech, Morocco, 24-28 November 2021. The Completed Final Report of report of Working Group of IOA would subsequently be shared to Central Office of ICID for finalization with the help external outsourcing professional reviewers.

2.8. Discussion of the final draft is expected through the 8th meeting of WG-IOA at the 73rd IECM of ICID in Adelaide Australia, October 2022;

2.9. Finalization of the Final Report, Published and launched the report at the 74th IECM of ICID, 16-22 April 2023 in Beijing, China; (**Notes: Publication of the Final Report of WG-IOA will be done by means of E-Publication after the necessary editing, review and formatting with the support of Central Office of ICID through External Professional Outsourcing Reviewer/Editor.**)

2.10. Alternatively, due to one reason or another, WG still could reserve to launch the Final Report at the 75th IECM of ICID November 2023, at Visakhapatnam (Vizag), Andhra Pradesh State, India, which is still within the time frame of WG-IOA.

C. Any other business discussed at the WebEx Meeting

3. Anticipating the last International Workshop on WG-IOA: For preparing the last material for Final Report of WG-IOA, the last international workshop on PPPs was scheduled to be conducted in Sidney, Australia, but due to Covid 19 Pandemic, the event was moved to Marrakech for March - April 2020, however it was not possible to implement till the pandemic could be controlled. The workshop is now scheduled in Marrakech, Morocco at 28th November 2021.

3.1. The topic of the WS is: "Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management.

3.2. Consisted of three sub topics: (1) PPPs Approaches and conditions for Successful IOA toward Sustainable O&M of Irrigation and Drainage; (2) PPPs Approaches and Conditions of IOA for Successful Irrigation/Drainage Management Transfer Arrangement; (3) Legislation and Institutional Requirement for Transferring of Responsibilities and/or Ownership of Irrigation and Drainage Systems to Water Users Association, through PPPs Approach.

4. Effective Utilization of database of WG-IOA at the Central office of ICID: On top of the main and supporting references that have been shared to the members of WG-IOA through Google Link, other references such as the related workshop materials on IOA (including the upcoming Marrakech IOA-Workshop) will also be stored at the CO's Database, and will soon be distributed through Google link too. The members of WG-IOA are highly expected and encouraged to use the reference for preparation of WG-IOA final report.

5. Upcoming Schedule for 5th and 6th WebEx Meeting of WG-IOA: For subsequent discussion of the draft of Final Report of WG-IOA that the assignment has been shared and distributed, it is expected to have it conducted through the 5th WebEx meeting at the middle of February 2022 (and the subsequent chance of the 6th WebEx Meeting of WG-IOA at the middle of May 2022) prior to final discussion of the report in Adelaide Australia at the middle of October 2022 – then submission of the final draft of final report to the Central Office of ICID for Electronic publication.

6. Suggestion from President of ICID, Dr. Ragab Ragab: On the 3rd WebEx Meeting of WG-IOA, President ICID, Dr. Ragab Ragab, who participated at the WebEx meeting suggested the possibility of including some non-conventional aspects of water resources management in the Report of WG-IOA such

as virtual water pricing, import and export based on water foot print, green economy, environmentally friendly water management and suggestion to make the final report of WG-IOA as a published book – if necessary possible to extend the time frame of WG-IOA as an important working group of ICID. The fact that during the 4th WebEx Meeting no comments, proposal or recommendation from the suggestion member of WG-IOA working group (WG-IOA), then it is still to be considered to discuss and accommodate at the next meeting of WG-IOA owing to the fact that the suggested items were not included in the mandate of WG-IOA – 2015. Nevertheless, at the 4th WebEx Meeting of WG-IOA President Ragab restated that the suggestion is not a must and it was only suggested to discuss and accommodate at the Final Report of WG-IOA if the idea is possible without giving extra burden to WG-IOA. President Ragab also suggested if possible to accommodate one of the burning issue in irrigation and water resources sector today which is: "Mitigation and Adaptation to climate change", though it only consist as additional discussion at the relevant chapter of the final report of WG-IOA.

7. The most urgent aspects that the WG-IOA expect from Central Office of ICID is to continue the effort to help reminding the members of WG-IOA who are responsible on preparing each particular chapter to work for finalizing the draft and communicating their progress with the chairman, vice chairman secretary of WG-IOA and other relevant institutions with the respective chapters that are prepared.

8. The Central office of ICID is also expected by the WG-IOA to help supporting or helping to review and edit the already prepared draft of chapters by the responsible members of WG-IOA and help incorporating it with other chapter, on top with the separate communication with (Chairman, Vice Chairman, Secretary of WG-IOA and other relevant resource persons) through professional outsourcing reviewers or editor, and conducting continuous communication with Chairman, Vice Chairman and Secretary of WG-IOA for possibility of electronic publication before the launching of the final report in Beijing on April 2023.

WG highly expect that all of the program will be conducted successfully and looking forward to having active participation of colleague members of the WG-IOA, with helps, support and participation of the relevant WGs', Task Forces' and CO of ICID for materializing the Mandate of WG-IOA (Institutional and Organizational Aspects of irrigation/ Drainage System Management).

