

**MINUTES OF THE 6TH MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

05 September 2024, 14:00-15:30 hours (Session I) and 16:00-17:30 hours (Session II)
Sydney, Australia

Strategy Theme: Natural Resources

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states; (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it; (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles; (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.; (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D; (f) to promote farmer's and WUAs training to create awareness about agricultural water management; (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation.

Members present: (1) Mr. Momir Vranes, Vice Chair (Australia); (2) Dr. (Ms.) Yawen Chiueh (Chinese Taipei Committee); (3) Dr. Katsuyuki Shimizu (Japan) represented by Dr. Katsuhiko Yamauchi.

New nominees: (i) Dr. Chih-Hung Tan (Chinese Taipei Committee); (ii) Dr. (Ms.) Shu-Han Hsu (Chinese Taipei Committee)

Observers: (i) Dr. Tony C.S. Chen (Chinese Taipei Committee); (ii) Dhamson Polus (Malaysia)

Website: <https://icid-ciid.org/wbody/WG-IDSST>

WG-IDSST Minutes Item 1: A Brief Report on the Restructuring of WG by the Chair

1. Chair briefed the members on the restructuring and informed the WG that at the 74th International Executive Council (IEC) meeting in Vizag, India, a proposal for the restructuring of the Working Groups was discussed and approved. Among the existing 18 working groups, 9 working groups completed their mandate in November 2023. The remaining working groups have been structured into 11 new working groups under four themes: (1) Irrigation and Drainage; (2) Natural Resources; (3) Climate Change and Impacts; and (4) Sustainable Development. Under these four themes, the WG-IDSST has been included in theme 2 (Natural Resources). As per the structure approved by PCTA, a new group - Working Group on Irrigation and Drainage in the States under Socio-Economic Transformation (WG-IDSST) has been formed.

WG-IDSST Minutes Item 2: Discussion on the Scoping Document

2. During the meeting, the existing "Updated Scoping Document" was discussed, and agreed that the Chair would share the document with those present for comments and suggestions and to update it. However, the basic discussion is an extension of the work plan (**Annex 1**) into six years, as planned in the SD.

3. The group reviewed and accepted the nominations of Dr. Chih-Hung Tan (Chinese Taipei Committee) and Dr. (Ms.) Shu-Han Hsu (Chinese Taipei Committee) as members as they participated in the meeting while Dr. Pongsak Suttinon (Thailand), Dr. Vadim Sokolov (Uzbekistan), and Mr. Juraev Ilkhom Usmanovich (Uzbekistan) as Provisional Members due to their non-participation. Membership status is given in **Annex 3, page 27**.

WG-IDSST Minutes Item 3: Election of Chair, Vice Chair, and Secretary of restructured new WG

4. During the meeting, only three members present (one by proxy), two new members, and two interested in membership. Due to the lack of quorum, no voting for Chair, Vice Chair, and Secretary was discussed, but agreed that Mr. Momir Vranes will continue to act as Chair, and communicate with VPH Peter Kovalenko, until the next meeting, to be done online during the first week of December 2024, where the membership will be reviewed and confirmed, and full election of officials will be done. Chair requested the two observers to join the WG and send the nomination through their National Committee/ Committee. Chair requested ICID to review the membership list and request those who were not active for more than two years to discontinue or re-join the membership.

WG-IDSST Minutes Item 4: Road Map to ICID Vision 2030 – Activities in the States under Socio-Economic Transformation

5. The working group members discussed the Road Map to ICID Vision 2030 (**Annex 2**) and after discussion, it was proposed to update the Road Map to ICID Vision 2030 in the next online meeting.

6. Due to very few members present, no presentation was delivered however, it was proposed that the Chinese Taipei Committee (CTCID) will make a presentation during the online meeting in the first week of December 2024.

WG-IDSST Minutes Item 5: Activities of the Working Group – Publication/ Report/ Guidelines

7. The Chair encouraged members to visit the website of the working group (https://icid-ciid.org/inner_page/114) to see the presentations delivered during the previous 5 years.

WG-IDSST Minutes Item 5.1: Develop and Strengthen the Network Among the Transition States

8. The Chair requested members to visit the website of the CAWater-info website (http://www.cawater-info.net/index_e.htm) to exchange information between countries. Chair requested Vice President Dr. Vadim Sokolov to provide further updates on developing and strengthening the network among the transition states.

WG-IDSST Minutes Item 5.2: Database of I&D in the states in transition

9. Chair requested members to share the current situation in irrigation and drainage in their countries. It was suggested that Vice President Dr. Vadim Sokolov will provide further updates on the database of I&D.

WG-IDSST Minutes Item 5.3: Case studies and best practices of IWRM

10. The Chair encouraged members to share case studies and best practices of IWRM and requested Vice President Hon. Dr. Mohamed Wahba to share further updates.

WG-IDSST Minutes Item 5.4: Monitor and evaluate the ecological parameters in transition countries

11. The chair requested Vice President Hon. Dr. Mohamed Wahba to share further updates.

WG-IDSST Minutes Item 5.5: Capacity building of the WUAs

12. The chair requested Vice President Hon. Dr. Mohamed Wahba to share further updates.

WG-IDSST Minutes Item 6: ICID Members' Profile Section

13. During the meeting, the group discussed and agreed to update the members' profile section with the support of ICID Central Office, through their respective National Committees.

WG-IDSST Minutes Item 7: World Irrigation and Drainage Schemes (WI&DS)

14. Chair encouraged members to urge all irrigation and drainage scheme owners, managers, and researchers worldwide, especially in their respective countries, to contribute to the register.

WG-IDSST Minutes Item 8: Any other business (with permission of Chair)

15. Chair requested ICID Central Office to share the updated membership list and organize an online meeting by selecting a suitable date in the first week of December 2024.



Annex 1 [Appendix 16, Item 2]

WG-IDSST WORK PLAN

| Activity | Outcomes/ Outputs | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states; | Created Web-Portal for continuous communication between countries | 1. Based on the Web Sit CAWATER.Info http://cawater-info.net/water_world/index.htm create an ICID window, WG IDSST. 2. Exchange of information on monitoring and evaluation of common problems. | Web Portal Development | Web Portal Development | Web Portal Development | Web Portal Development |
| (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it; | A database was created based on the CAWATER.Info Portal http://cawater-info.net/water_world/index.htm | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. 2. Information in countries on irrigation and drainage due to climate change. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. 2. Information in countries on adaptation of irrigation and drainage and agriculture to climate change. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. |
| (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles; | Publication | Widespread adoption of IWRM principles in countries | Overview of countries' experiences in implementing IWRM | Obstacles in countries in implementing IWRM | Overview of countries' experiences in implementing IWRM | Overview of countries' experiences in implementing IWRM |
| (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.; | Overview of environmental monitoring results in countries, including closed basin problems | Collection of monitoring information and facilitate in their implementation | 2. Exchange of experience | 2. Exchange of experience and decision | 2. Exchange of experience and decision | 2. Exchange of experience and decision |
| (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D; | Countries have access to information from other countries through the Web-portal on advanced technologies in irrigation and drainage. Young professionals trained to spread innovation | Overview of advanced water-saving technologies and remote sensing tools in countries | 2. Exchange of experience | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | Overview of scientific advances in countries to reduce unproductive losses in irrigation. |

| Activity | Outcomes/ Outputs | 2020 | 2021 | 2022 | 2023 | 2024 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| (f) to promote farmer's and WUAs training to create awareness about agricultural water management; | Training materials and modules prepared for farmers and WUAs in countries | A review of existing methods, approaches, technologies that allow effective management of irrigation water at the level of WUA farms. | 2. Exchange of experience | Preparation of training modules from each country for training farmers and WUAs on advanced water use technologies | Preparation of training modules from each country for training farmers and WUAs on advanced water use technologies | Preparation of training modules from each country for training farmers and WUAs on advanced water use technologies |
| (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation. | Develop and strengthen the network | Establishment of communication between countries on the rapid exchange of information Web- Portal organization. | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. |



Annex 2 [Appendix 16, Item 4]

ROAD MAP TO ICID VISION 2030 - ACTIVITIES OF WG-IDSST

| Goals/ Strategies | Activities | Outcomes/ Outputs | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 | Milestone for Year 2022 | Milestone for Year 2023 | Milestone for Year 2024 | Responsibility |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------|
| Goal A: Enable Higher Crop Productivity with Less Water and Energy | | | | | | | | | |
| | The Development of drip irrigation systems and technologies in countries. Irrigation and water use efficiency in small-scale farms | Widespread adoption of water- saving technologies in countries. Countries experience on methods and approaches for effective irrigation on small farms | | 1. Overview of water- saving technologies in countries. 2. Exchange of experience 3. Overview of experience on methods and approaches for effective irrigation on small farms in countries. 4 Exchange of experience | Methods and tools to reduce unproductive losses in irrigation. Assessment of water availability in Central Asia based on WUEMOCA Methods and approaches for effective irrigation on small farms | Methods and tools to reduce unproductive losses in irrigation. Assessment of water availability in Central Asia based on WUEMOCA Methods and approaches for effective irrigation on small farms | Methods and tools to reduce unproductive losses in irrigation. Assessment of water availability in Central Asia based on WUEMOCA Methods and approaches for effective irrigation on small farms | | |
| Goal B: Be A Catalyst for Change in Policies and Practices | | | | | | | | | |
| | Publication | Technical paper | A review of the experience of leading countries in the effective management of water resources | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | | |
| Goal C: Facilitate Exchange of Information, Knowledge, and Technology | | | | | | | | | |
| C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals | 3.1 Develop and strengthen the network | Establishment of communication between countries on the rapid exchange of information Web- Portal organization. | | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on the effective management of water resources | |
| | 3.2 Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | | Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | |
| Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices | | | | | | | | | |
| | 5.1 Interaction between countries in studies of remote monitoring of water resources and water use | Introduction of remote sensing and remote control of water use and water resources management | | Research and exchange of experience between countries in the widespread introduction of remote sensing in monitoring water metering at water bodies | Research and exchange of experience between countries in the widespread introduction of remote sensing in monitoring irrigated fields and crops | | | | |

| Goal F: Facilitate capacity development | | | | | | | | | |
|-------------------------------------------------------------------------------------------|-------------------------------|----------------------|----------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| F3. Strategy: Technical Training of Young Professionals from Member Countries | Organize training Workshop | Training Workshop | Organize Training Workshop | Organize Training Workshop | Organize Training Workshop | Organize Training Workshop | Organize Training Workshop | Organize Training Workshop | Organize Training Workshop |

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