

**AGENDA FOR THE 5th MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

06 November 2023, 09:30-11:00 hours (Session I) and 11:30-13:00 hours (Session II)
Visakhapatnam (Vizag), Andhra Pradesh State, India

Strategy Theme: Basin

Presented by the Chairman

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.

Website: http://icid-ciid.org/inner_page/114

With profound grief, we inform the sad news of the passing away of Vice Chairman WG-IDSST Dr. Shukhrat Mukhamedjanov in June 2023. His services were immense not only to the Uzbekistan National Committee but also to ICID. Dr. Shukhrat's professional experience was concentrated in implementing projects/programs in the field of land reclamation and drainage water use for irrigation, effective water use for irrigation, and water productivity improvement at the plot level, in water use planning at all irrigation system levels. He was the leader of the activity within Integrated Water Resources Management; and also worked as Project Manager of the project of water productivity improvement at Plot Level (WPI-PL) in Uzbekistan, Tajikistan, and Kyrgyzstan.

WG-IDSST Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last virtual meeting held in October 2022.
2. In December 2022, the Turkish National Committee on Irrigation and Drainage (TUCID) nominated Mr. Burhan Yavuz and Dr. Hayreddin Erşan (Turkey) for membership of the working group. The group may like to discuss appointing a new Vice Chair during the meeting.
3. Engr. Peter Yakube Manjuk (Nigeria), Eng. W.B. Palugaswewa (Sri Lanka), Dr. Hassan Abu Bashir (Sudan), and Mr. Baratov Rustam Okilovich (Tajikistan) have not contributed to the activities of the working group during the last two years. Chair in consultation with the Secretary of the WG and the Central Office have updated the membership of the WG as given in **Annex 1** (refer to the *electronic version for the latest list*). New nominations, if any, for the membership received, will be dealt with suitably after the meeting.

¹ This will also include details of membership of WG as **Annex**

WG-IDSST Agenda Item 2: Road Map to ICID Vision 2030 – Activities in the States under socio-economic transformation

4. At the Adelaide meeting, the Working Group discussed the Road Map and considered “Goal A: Enable higher crop productivity with less water and energy” and “Goal B: Be a catalyst for change in policies and practices” (refer to **Annex 2**). Dr. Wahba informed the group that these goals were partially met and more actions are needed on this important issue and requested the Chair to take action on these important activities. Chair will provide further updates at the meeting.

WG-IDSST Agenda Item 3: Discuss and develop work plan based on new mandate

5. At the Adelaide meeting, the group discussed the work plan of the WG and proposed to pay more attention to the development of information exchange, which is a common task in the work plan of the WG (refer to **Annex 3**). Dr. Wahba requested the Chair to take action on these important activities. The new mandate of the WG had reckoned, to involve developed countries in the working group for the exchange and possible use of their successful experience and technologies.

WG-IDSST Agenda Item 3.1: Develop and strengthen the network among the transition states

6. During the Adelaide meeting, WG noted the opening of a dedicated WG-IDSST window in CAWater-info. Members of the WG-IDSST agreed to host the CAWater-info website for the exchange of information between countries. During the meeting, the WG discussed the issue to develop this website and the possibility of opening a window/ platform on the website for the exchange of opinions however, more actions are needed on this issue. Chair/ Secretary will provide further updates at the meeting.

WG-IDSST Agenda Item 3.2: Database of I&D in the states in transition

7. During the virtual meeting in May 2022, the meeting participants agreed that each country will collect material regarding experience, and good practices, as well as assessments of the current irrigation and drainage situation in the countries. The material will be posted on the CAWATER-Info website for public access. Members of the working group were encouraged to prepare inputs on experiences, best practices, and assessments of the current situation in irrigation and drainage in their countries. It was proposed that the WG leadership will place the material on the CAWater-info website. Chair/ Secretary will provide further updates at the meeting.

WG-IDSST Agenda Item 3.3: Case studies and best practices of IWRM

8. During the Adelaide meeting, Dr. Katsuyuki Shimizu (Japan) and Dr. Yawen Chiueh (Chinese Taipei Committee) made an interesting presentation about experiences from their countries. In January 2023, ICID Central Office invited all members to make a presentation during the India meeting in November 2023. Chair will provide further updates at the meeting.

WG-IDSST Agenda Item 3.4: Monitor and evaluate the ecological parameter in transition countries

9. At the Adelaide meeting, Dr. Wahba informed the members about the World Bank project in Cambodia and India and presented during the conference about using RS with a simple questionnaire to farmers, engineers, communities, and authorities for assessment evaluation of existing irrigation and drainage. These tools are simple, easily available, and very useful and for those reasons, Dr. Wahba recommended applying in other countries. Chair/ Secretary will provide further updates at the meeting.

WG-IDSST Agenda Item 3.5: Capacity building in transition countries

10. During the Adelaide meeting, Dr. Wahba informed the group about the achievements in AFRWG and Af-YWP-Forum and recommended following and doing similar activities in other regions for young professionals. Also, Dr. Wahba suggested considering CB&D of farmers and women as important partners of IWRM and informed the group that he is ready to support it. Chair/ Secretary will provide further updates at the meeting.

WG-IDSST Agenda Item 4: ICID Members' Profile Section

11. As a new initiative, ICID has launched a new website (<https://icid-ciid.org>) as part of ICID's 70th Anniversary Celebration to meet the new web technologies. One of the newly added web features provides WG members access to their profile section using their dedicated account. ICID CO vide email dated 9 July 2021

<<https://icid.bmeurl.co/C7D4D2E>> informed all members on how to access their accounts and change their passwords to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

WG-IDSST Agenda Item 5: World Irrigation and Drainage Schemes (WI&DS)

12. ICID has taken the initiative to document the development of irrigation and drainage schemes in the world by establishing an online Register on "World Irrigation and Drainage Schemes (WI&DS)". WI&DS will fulfil the need for a much-awaited global repository of information in systematic irrigation and agricultural water management. Irrigation projects having 5000 Hectares and above of Command Area can submit their information for inclusion in the register. The irrigation projects approved by National Committee/ ICID Central Office for inclusion are entitled to Certification. Chair will encourage members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.

WG-IDSST Agenda Item 6: Any other business

13. **Restructuring of the Working Group:** At the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/ close mandates. With consultation of PCTA, PCSO, Secretary General of ICID, and the ICID Central office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023. The remaining working groups are proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage Water Management (Long-term activities); 2. Natural Resources Management (Medium-term activities); 3. Water Management under Climate Change & Water Scarcity (Medium to long-term activities); 4. Sustainable Development and Management: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). Proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings to be held from 1-8 November 2023 at Vizag, India. Under these four themes, the WG-IDSST has been included in theme 2 (Natural Resources Management) which is proposed to be integrated with TT-Transboundary. WG Chair will provide further updates during the meeting. A report on the restructuring of the working groups is given in **IEC Annex 5, page 23**.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Vizag, India after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 07 November 2023.

Annex 1 [Appendix XV, Item 1]

MEMBERS AND THEIR ATTENDANCE AT 2021 and 2022 MEETINGS

No.	Members	Member from (Year)	2021		2022		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Prof. Peter Kovalenko, Chairman (Ukraine)	2018	•			•	
2.	Dr. Shavkat Makhmudjvich Kenjabaev, Secretary (Uzbekistan)	2020	•			•	
3.	VPH Dr. Mohamed Wahba (Egypt)	2018	•		•		
4.	Mr. Rajni Kant Agrawal, Direct Member, WAPCOS (India)	2021			#		
5.	Dr. Katsuyuki Shimizu (Japan)	2018	•		•		
6.	Engr. Peter Yakube Manjuk (Nigeria)	2018					No contribution, recommended for discontinuation after India meeting if no contribution
7.	Mr. Rafaquat Ali (Pakistan)	2018			#		
8.	Dr. Alexander Solovyev (Russia)	2018	# ²				
9.	Eng. W.B. Palugaswewa (Sri Lanka)	2018					No contribution, recommended for discontinuation after India meeting if no contribution
10.	Dr. Hassan Abu Bashar (Sudan)	2018					No contribution, recommended for discontinuation after India meeting if no contribution
11.	Mr. Baratov Rustam Okilovich (Tajikistan)	2018					No contribution, recommended for discontinuation after India meeting if no contribution
12.	Dr. Andrii Shatkovskyi (Ukraine)	2018	•				
13.	Mr. Momir Vranes (Australia)	2019	•		•		
14.	Dr. (Ms.) Yawen Chiueh (Chinese Taipei Committee)	2019	•		•		
15.	Dr. Usman Khalid Awan (Pakistan)	2022			#		
16.	Secretary General ICID		#				
	Permanent Observers						
(i)	IWRA (Prof. Daene C. McKinney)						
(ii)	FAO Representative						
(iii)	World Bank representative						

B. New nominations received from the National Committee

No.	Name	Country	Remarks
1.	Mr. Burhan Yavuz	Turkey	Recommended as a member, subject to his presence else a provisional member
2.	Dr. Hayreddin Erşan	Turkey	Recommended as a member, subject to his presence else a provisional member



² Through representation

ROAD MAP TO ICID VISION 2030 - ACTIVITIES OF WORKBODIES

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 1. Overview of experience on methods and approaches for effective irrigation on small farms in countries. 2. 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				
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.					
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.				
	3.2 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	Introduction of remote sensing and remote control of water		Research and exchange of experience between	Research and exchange of experience between				

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
	remote monitoring of water resources and water use	use and water resources management		countries in the widespread introduction of remote sensing in monitoring water metering at water bodies	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				



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		
(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 in 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.		
(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		
(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 basins problems	Collection of monitoring information and facilitate in their implementation	2. Exchange of experience	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.		

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		
(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.		

