

**MINUTES OF THE 1ST MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

04 September 2019, 11:15-13:15 hours (Session I)

04 September 2019, 14:00-16:00 hours (Session II)

Bali, Indonesia

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.

Members Present: (1) Dr. Shukhrat Mukhamedjanov, Secretary (Uzbekistan); (2) Mr. Momir Vranes (Australia); (3) Dr. Katsuyuki Shimizu (Japan); (4) Engr. Peter Yakuba Manjuk (Nigeria); (5) VPH Irene Bondarik represented Dr. Alexander Solovyev (Russia); (6) Dr. (Ms.) Ya-Wen Chueh (Chinese Taipei).

Observers: (1) Vice President Naoki Hayashida (Japan); (2) Arie Pratama (Indonesia); (3) Shin Takano (Japan); (4) Kenji Miyagawa (Japan); (5) Iliya M. London (Nigeria); (6) Bashir Baba (Nigeria); (7) Kenneth S. Sunmona (Nigeria); (8) Bakhrom Gaforzoda (Tajikistan); (9) Dilshod Kimsanov (Tajikistan); (10) Yi-An Hsieh (Chinese Taipei); (11) Iuliia Danylenko (Ukraine).

WG-IDSST Minutes Item 1: Introduction by the Chair

1. On behalf of the Chairman VPH Peter Kovalenko, and Co-chair VPH Victor Dukhovny, the Secretary Dr. Shukhrat Mukhamedjanov conducted the meeting as 'Chair' and welcomed the members.

2. The WG reviewed the membership nominations received from the Australian National Committee and Chinese Taipei Committee. Both the nominees i.e. Mr. Momir Vranes from Australian Committee on Irrigation and Drainage (IACID) Dr. (Ms.) Ya-Wen Chueh from Chinese Taipei Committee (CTCID) were present at the meeting. Both nominees were accepted as members of the WG unanimously. Membership status is given in **Annex 4 (page 27)**.

3. The WG discussed about the use of the WebEx platform for virtual meetings in order to ensure the regular contribution of WG members between two regular meetings. The Working Group discussed this issue and decided that the WG will organize a video-conference/ WebEx meeting on 15 November 2019 at 12.00 hours (Tashkent time). It was proposed to discuss about the issues of the WG work plan for the next few years, taking into account the new mandate on the basis of the plan proposed by the WG leadership presented and discussed during the Bali meeting. Also, during the video conference meeting, Mr. Momir Vranes would provide information on the achievements of irrigation in Australia.

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

4. During the meeting, Chair asked the members of the working group from Tajikistan to provide information on these issues. At Bali meeting, the WG once again discussed the WG's work plan in accordance with the ICID vision, taking into account the new mandate of the WG and the new members of the WG. Members of the WG made additions to the "road map" of ICID Vision 2030 - Activities in countries in the process of socio-economic transformation. The updated ICID Vision 2030 plan is given as **Annex 1**.

5. The working group discussed the proposed roadmap under the leadership of Dr. Shukhrat Mukhamedjanov. During discussion, representative from Nigeria Engr. Peter Yakuba Manjuk, and the representative from Australia Momir Vranes made suggestions. On the part of Nigeria, it was proposed to include issues related to irrigation and water use problems in small-scale farms while representative of Australia proposed to include additional issues in the first paragraph of the first goal. It was proposed that the final version of the roadmap will be submitted to the ICID Central Office two to three weeks after the meeting.

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

6. During the meeting, members discussed the WG work plan taking into account the new mandate. It was decided that at the next meeting of WG-IDSST, the National Irrigation and Drainage Committee i.e. Uzbekistan should provide information on activities such as ongoing research and the most important intellectual technologies used by them (if any). The Chairman requested members of the WG group to provide information on behalf of their NC on this issue.

7. After the discussion, the Chair presented the updated work plan based on the new mandate (refer **Annex 2**). The work plan based on the new mandate was prepared by the WG Chair and presented for discussion to the members of the working group. The members of the working group familiarized themselves with the presented plan and it was decided to prepare their proposals or additions and submit it for discussion during the video conference of the working group in November 2019. Each member of the working group was provided with a copy of the work plan.

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

8. During the meeting, WG discussed the development and strengthening of communication between countries with economies in transition. It was proposed that first, the members of the working group agreed to hold a video conference twice in a year with assistance from the ICID Central Office where current issues will be discussed according to the group's work plan

9. Secondly, under the leadership of the WG (*VPH Dukhovny*), *it was proposed* to use the ICID window in *the website of CAWATER information* through which *WG members* could communicate and discuss *their* issues after *Bali* meeting. Scientific Information Center of the Interstate Coordination Water Commission of Central Asia (SIC ICWC) have CAWater Information on their website. This website is easily accessible, where "Water World" window is divided into several topics, one of which is International Water Organizations, there are several organizations including a window for ICID. This window has given free access for any information from any country and can also be uploaded information on this page. Members agreed to use this website for connecting other countries.

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

10. During the meeting, Dr. Shukhrat Mukhamedjanov explained that the I&D base in countries with economies in transition is all about information on I&D situation in the countries - problems, ways to solve these problems, technologies to improve governance, and so on.

11. The representative of Tajikistan, Bahrom Gafarzoda, proposed not to call it a database and suggested an exchange of experience materials from each country or something like that. Everyone agreed that within the framework of this section, the working group will carry out a set of experience, technologies, an assessment of the situation, etc. The information received will be provided to all interested countries in accordance with their interests. It was proposed that this database can be posted on the ICID website under CAWATER Info website where it will accessible to all members of the working group and other interested parties.

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

12. Dr. Shukhrat Mukhamedjanov presented the information on the activities of SIC ICWC. Over the past 4 years, specialists from Central Asia (SIC ICWC, Urgench State University, Kazakh-German University, together with the University of Würzburg and the Potsdam GFZ Center) have actively promoted the introduction of water supply and irrigation practices. As a result, the WUEMOCA (Water Use Efficiency Monitoring) tool was created, which have data on land use, productivity, water use efficiency and distribution throughout the Central Asian state. Mr. Momir Vranes shared the experience of Australia, where IWRM is based on the possibility of selling water, that is, water is considered as a product. For each level of water use and water users, prices can be different.

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

13. Chair WG IDSST suggested that during ICID Congress 2020, each country will provide information on the environmental situation in river deltas, salinization and logging of the land in their countries. In this respect, the WG management will contact the members of the working group on these issues through e-mail. This information is very important for all to evaluate how our problems are identical and how we can solve them. Members agreed with the Chair's proposal.

14. A presentation on the situation in the Aral Sea was made by the Head of the Global Fund at the "Interstate Fund for Saving the Aral Sea" by Vadim Sokolov. In the presentation, Sokolov touched upon the history and current state of the Aral Sea, the measures taken by Uzbekistan and personally by the President of Uzbekistan Shavkat Mirziyoyev.

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

15. The Working Group discussed about the capacity-building in countries with economies in transition at the meeting. The representative of Japan, Katsuyuki Shimizu, presented the presentation of the JICA Training Courses on "Appropriate Management of Land and Water Resources for Sustainable Agriculture in Arid/Semi-arid Regions (A) and (B)" at Tottori University. The leadership of the WG represented by Shukhrat Mukhamedzhanov agreed to send full information about the training courses in Japan to all members of the WG.

WG-IDSST Minutes Item 4: Any other business

16. The meeting ended with thanks to the Chair.



Annex 1 [Appendix XIV, Item 2]

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
Goal A: Enable higher crop productivity with less water and energy							
	Development of drip irrigation systems and technologies in countries	Widespread adoption of water saving technologies in countries		1. Overview of water saving technologies 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		
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	1.4 Organize workshop for IDSST	Workshops	Organize workshop		Organize workshop		
C4. Strategy: Compile, Collate and Share Knowledge and Experiences	4.18 Maintain an updated database on irrigation and drainage in the countries of transition	Database	Compile database	First draft of database	Final draft of database		
Goal E: Encourage research and support development of tools to extend innovation into field practices							
	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	3.6 Organize training Workshop	Training Workshop	Organize Training Workshop		Organize Training Workshop		

Annex 2 [Appendix XIV, Item 3]

WG-IDSST Work Plan

Activities	Outcomes/ Outputs	2020	2021	2022
(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 Site 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;	Exchange of experience and information between countries on changing situations	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.
(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

Activities	Outcomes/ Outputs	2020	2021	2022
(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.

