

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Working Group: WG-IDSST

Name of the Chairman and members filling this questionnaire: VPH Peter Kovalenko (Chair), VPH Viktor Dukhovny (Deputy Chair), Dr. Shukhrat Mukhamedjanov (Secretary)

		Outcomes/ Outputs	Milestone for Year 2020	Milestone for Year 2021
Goal 1: Enable higher crop productivity with less water and energy	WG Activity 1		Milestone 4	Milestone 5
	1.1 the 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
	1.2 Irrigation and water use efficiency in small-scale farms	Countries experience on methods and approaches for effective irrigation on small farms	1. Overview of experience on methods and approaches for effective irrigation on small farms in countries. 2. Exchange of experience	Methods and approaches for effective irrigation on small farms
Goal 2: Be a catalyst for change in policies and practices	2.1 Publication	Technical paper	1. 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 3: Facilitate exchange of information, knowledge and technology	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		

		Outcomes/ Outputs	Milestone for Year 2020	Milestone for Year 2021
Goal 4: Enable cross disciplinary and inter-sectoral engagement	WG Activity 4.1	нет	Milestone 4	Milestone 5
Goal 5: Encourage research and support development of tools to extend innovation into field practices	WG Activity 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 6: Facilitate capacity development	Training Workshop	Training Workshop		

Annex 2

WG IDSST action plan

	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 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

<p>(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;</p>	<p>A database was created based on the CAWATER.Info Portal http://cawater-info.net/water_world/index.htm</p>	<p>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.</p>	<p>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.</p>	<p>1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries.</p>
<p>(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;</p>	<p>Publication</p>	<p>Widespread adoption of IWRM principals in countries</p>	<p>Overview of countries' experiences in implementing IWRM</p>	<p>Obstacles in countries in implementing IWRM</p>
<p>(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.;</p>	<p>Обзор результатов мониторингаэкологической ситуацииив странах включая проблемы закрытых бассейнов</p>	<p>Сбор информации мониторинга и содействие в их реализации</p>	<p>2. Exchange of experience</p>	<p>2. Exchange of experience and decision</p>
<p>(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;</p>	<p>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</p>	<p>Overview of advanced water-saving technologies and remote sensing tools in countries</p>	<p>2. Exchange of experience</p>	<p>Overview of scientific advances in countries to reduce unproductive losses in irrigation.</p>
<p>(f) to promote farmer's and WUAs training to create awareness about agricultural water management;</p>	<p>Training materials and modules prepared for farmers and WUAs in countries</p>	<p>A review of existing methods, approaches, technologies that allow effective management of irrigation water at the level of WUA farms.</p>	<p>2. Exchange of experience</p>	<p>Preparation of training modules from each country for training farmers and WUAs on advanced water use technologies</p>

<p>(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.</p>	<p>Develop and strengthen the network</p>	<p>Establishment of communication between countries on the rapid exchange of information Web-Portal organization.</p>	<p>Exchange of experience between countries on the effective management of water resources</p>	<p>Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation.</p>
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