

SDG 6 IWRM Support Programme

IWRM action planning for SDG 6: Kazakhstan

SDG6 IWRM Action Plan – Summary overview

April 2019

The **SDG 6 Integrated Water Resources Management (IWRM) Support Programme** assists governments in designing and implementing country-led responses to **SDG indicator 6.5.1**, which measures the degree of IWRM implementation. The Support Programme aims to monitor and measurably accelerate progress towards water-related SDGs and other development goals, in direct support of the official SDG monitoring and reporting processes.

Under the guidance of the UN Environment Programme (UNEP) and coordinated by the Global Water Partnership (GWP) in collaboration with the UNEP-DHI Centre and Cap-Net, the Support Programme brings together partners in each country representing governments, civil society, academia and the private sector, in the spirit of **SDG 17** “Partnerships for the Goals”. The Support Programme is structured according to the following three stages:

- **Stage 1 – Identifying challenges:** Employ the SDG 6.5.1 national monitoring and reporting framework to identify, through multi-stakeholder consultations, critical areas for attention that hinder progress on IWRM. This Stage is completed through the periodic completion by countries of a survey on SDG indicator 6.5.1 designed to allow countries to evaluate the degree of IWRM implementation. Periodic monitoring of this indicator provides a window of opportunity to revisit and revise IWRM Action Plans.
- **Stage 2 – Developing IWRM Action Plans:** Using the key IWRM challenges identified in Stage 1, the aim of this stage is to facilitate a government-led multi-stakeholder process to formulate and prioritise appropriate responses to those challenges. The result of Stage 2 is typically an IWRM Action Plan (the name might be adapted for each country), which includes a series of attractive investment opportunities to systematically guide the implementation of solutions to IWRM challenges.
- **Stage 3 – Implementing solutions:** Support countries in implementing IWRM solutions aimed at achieving SDG 6 and other water-related goals as a measurable contribution to progress towards countries’ development objectives.

This document provides a summary overview of the resulting IWRM Action Plan in Kazakhstan.

1. Overview of actions

#	Necessary Actions/	Expected results/	Realization Time/	Lead organization	Source of financing/	Progress to date
[Priority issue 1/Status and capacity of institutions to implement IWRM]						
1.1	To intensify the work of the Inter-ministerial Council on water resources management established by the Government of Kazakhstan	Regular meetings and decisions of the Council on priority issues of water resources management in Kazakhstan	2019-2020	National Security Council of Kazakhstan Ministry of Agriculture	Budget, international organizations	In process (all details will be presented during the workshop)
1.2	Enhance the status of the national water management authority	To establish Ministry/Agency for water resources management (and environment) under the Government of Kazakhstan	2019-2020	Ministry of Agriculture (<i>Ministry of Environment</i> ¹)	Republican budget	Yes
1.3	To enhance the status of river basin organizations (inspections)	To enhance the status and powers of BVI in the Water Code of RK (2003), and to change the status from Inspection to Organization (for basin management)	2019-2020	CWR Balkash-Alakol BWI	Republican budget	Proposals to the new Eco-Code
1.4	To enhance the status of Public Basin Councils (BC)	Decisions of the PBS on strategic and priority problems of the basin carried out by water users,	2019-2020	CWR	Budget, international organizations	Proposal to the new Eco-Code, International partner is needed

¹ There is new ministry of environment in Kazakhstan since 17 June 2019, according to the recommendations of the project

		sustainable financing of the BS, etc. issues - amendments to the Water Code (article 40)				
1.5	Strengthening the human resources capacity of CWR and BWI	To increase the staff size and skills of the specialists of CWR, BWI	2019-2025	CWR, BWI, River basin council	Budget	In process
1.6	Improvement of technical and financial base of CWR and BWI	Improvement of equip units CWR and BVI modern equipment, technology and appliances.	2019-2025	MA, CWR, BWI, River basin council.	Budget, donors	Proposal to a new State water management programme
1.7	Increase the level of staff's training and retraining	To organize training courses for specialists - not less than 10 days, including internships on IWRM in the countries of near and far abroad, including water diplomacy (required certificates)	2019-2025	Ministry of Education, MA, Ministry of Economy (ME), MFA	Budget, donors	Proposal to a new State water management programme
1.8	Equipment of laboratories for accounting and analysis of water quantity and quality	Creation of specialized units in the structure of basin organizations	2019-2025	CWR, BWI	Budget, donors	Proposal to a new State water management programme

#	Necessary Actions	Expected results	Realization Time	Lead organization	Source of financing	Aspect of IWRM targeted
[Priority issue 2] Strengthen the water legislation of Kazakhstan						
2.1	Adopt a new Water Code as many recent amendments have complicated, confused and worsened the management of water resources	New version of the Water Code of Kazakhstan	2020	CWR, BWI, River	Budget	Proposals to the new Eco-Code

				Basin Council		
2.2	To increase the status of SKIOVR (River basin strategic plan) as the basic document for planning economic activities in a basins according to IWRM and the SDGs	To amend the Water Code	2019-2020	CWR, BWI	Budget	Proposal to the new Eco-Code
2.3	To clarify the procedure of work with new (planned) projects (coordination of the projects, service or function state)	To amend the Water Code	2019-2020	CWR	Budget	Proposal to a new State water management programme
2.4	To improve specific norms of water use: standards of public services (article 66 of Water Code)	To amend the Water Code	2019-2020	CWR	Budget	Proposal to a new State water management programme
2.5	To introduce a complete ban on discharges into water bodies and the environment without treatment and the required standards	To amend the Water Code	2019-2020	CWR	Budget	Proposal to the new Eco-Code
2.6	Restore the function and power of the BWI on the use of groundwater	To amend the Water Code	2019-2020	CWR	Budget	Proposals to the new Eco-Code and new State water management programme
2.7	Restore the status of groundwater as a strategic resource	To amend the Water Code and the Code on subsoil of Kazakhstan	2019-2020	CWR	Budget	Proposals to the new Eco-Code and new State water management programme

#	Necessary Actions/	Expected results/	Realization Time/	Lead organization	Source of financing/	Aspect of IWRM targeted (e.g. link to SDG indicator 6.5.1/
[Priority issue 3] Tools for IWRM implementation						
3.1	Analysis of national, sectoral and territorial development strategies according to IWRM and SDG principles	Developing proposals and integrating SDG 6.5 into national and sectoral strategies, considering their sustainability and effectiveness	2019-2020	CWR, Health Ministry	Budget, international organizations	In process (related to SDGs). Proposal to a new State water management programme
3.2	Update of water use standards and regulations	Development (improvement) of standards and norms, including PDS and MPE	2019-2020	CWR, BWI, River basin council	Budget, international organizations	Proposal to a new State water management programme
3.3	Update and implementation of specific water use standards	Development, approval and monitoring of new standards	2019-2020	CWR, BWI, River basin council	Budget, international organizations	Proposal to a new State water management programme, International experienced partner is needed
3.4	Update of tariff policy (as the current "common tariffs" - insufficient to cover costs and investments)	Development of new tariffs for water use, taking into account the levels of water use and vulnerable groups	2019 -2020	CWR, MNE	Budget, international organizations	Proposal to a new State water management programme. International experienced partner is needed

3.5	Implementation and dissemination of the best available technologies to save water and reduce pollution	Creation of a publicly available inventory (database of the best available technologies). Creation of a system of distribution of available technologies among	2019-2020	MA, ME, BWI and River basin council, NGO	Budget, private sector, international organizations	In process. Proposal to a new State water management programme. International experienced partner is needed
3.6	Changing the structure of production and replacement of water-intensive industries (rice and cotton)	Less water-intensive production	2019-2030	MA, CWR, other water users	Budget, donor funds	In process. Proposal to a new State water management programme. International (experienced) partner is needed
3.7	Water saving programs in irrigated agriculture; reduction of water losses in municipal water supply; reduction of water consumption and wastewater in industry	Implemented programs with water saving in agriculture, utilities and industry	2019-2030	MA, CWR, other water users	Budget, donor funds	In process. Proposal to a new State water management programme
3.8	Conservation and restoration of aquatic ecosystems to support environmental sustainability	Sustainable water ecosystems	2019-2030	MA, CWR, other water users	Budget, donor funds	Proposal to the new Eco-Code. Proposal to a new State water management programme
3.9	Pilot project on formation of new model of basin management on the basis of IWRM principles on the	Decisions of the Government of Kazakhstan on the creation of the Basin organization and its	2019-2025	Ministry of agriculture in collaboration with industry and	Budget, donor funds	Proposal to the new Eco-Code. Proposal to a new State water

	example of the Balkhash-Alakol Lake basin	working bodies on the basis of IWRM		territorial bubbled bodies		management programme. International partner is needed
3.10	Improve the monitoring of water quality and quantity	Automated and integrated water resources monitoring	2019-2025	CWR, ME, Hydromet, Comgeo and SES	Budget, donor funds	Proposal to the new Eco-Code, International experienced partner is needed
3.11	Inventory of catchment areas and runoff formation zones (including small and medium rivers)	Inventories of catchment areas and runoff formation zones for subsequent conservation measures	2020-2025	CWR, ME, Hydromet, Committee of Geology	Budget, donor funds	Proposal to the new Eco-Code. Proposal to a new State water management programme
3.12	Improve water accounting system (accounting is chaotic, not complex and not automated). There is also no accounting for lake levels (e.g. Balkhash lake)	Improve reporting form 2-TP (water Farm), including on eco-releases and quality of water bodies based on EUWD (EU water directive)	2019-2020	CWR, BWI, River basin council	Budget	Proposal to the new Eco-Code. Proposal to a new State water management programme. International partner is needed

#	Necessary Actions/	Expected results/	Realization Time/	Lead organization	Source of financing/	Aspect of IWRM targeted (e.g. link to SDG indicator 6.5.1/
[Priority issue 4] Public participation, private sector and education						
4.1	Involvement of NGOs and water users in policy and the work of the commissions,	Participation of NGOs and water users in	2019-2025	CWR, BWI, River basin council	Budget, International organizations	Proposal to the new Eco-Code. Proposal to a

	working groups, other forms of participation of NGOs	water-related policy and decision-making				new State water management programme. International partner is needed
4.2	Programs of support and development/ establishment of “water” NGOs	Professional and effective NGOs	2019-2025	BWI, River basin council	Budget, International organizations	In process
4.3	To restore/ improve the system of education in Universities and Colleges on water specialties	Professional and in-demand specialists	2019-2025	Ministry of Education, MA	Budget, International organizations	In process. Proposal to a new State water management programme. International partner is needed
4.4	Low involvement of youth and women. Taking their needs into account when planning and implementing programs	Participation of young women (organizations and NGOs) in water programs and reforms at all levels	2019-2025	CWR, BWI, River basin council	Budget, International organizations	In process. International partner is needed
4.5	Analysis of knowledge needs for the implementation of IWRM, including for women and youth	The report and recommendations of the needs assessment	2019-2025	CWR, BWI	Budget, International organizations	Proposal to a new State water management programme
4.6	Development of public - private partnerships for the implementation of IWRM at the national and basin levels	The establishment of PPP arrangements. pilot projects of cooperation in the basins	2019-2025	MA, CWR, BWI	Budget, private sector	In process. Proposal to the new Eco-Code. Proposal to a new State water management programme.

						International partner is needed
4.7	Development of financial and economic instruments to improve the investment environment, including public and private investment	Financial and economic instruments approved by the Government	2019-2025	MA, CWR, BWI	Budget, private sector, International organizations	In process. Proposal to the new Eco-Code, International partner is needed
4.8	Analysis of the current situation with scattered and not always available information and databases in the water sector, creation of an integrated database	Integrated and accessible database (basic information)	2019-2025	MA, CWR, BWI	Budget, International organizations	Proposal to the new Eco-Code. Proposal to a new State water management programme. International experienced partner is needed

#	Necessary Actions/	Expected results/	Realization Time/	Lead organization	Source of financing/	Aspect of IWRM targeted (e.g. link to SDG indicator 6.5.1/
[Priority issue 5] Transboundary cooperation						
5.1	Inefficient management of water resources at the transboundary level. Strengthening and improving institutions	Effective institutions at the cross-border level. The updated institutional and legal base	2019-2025	IFAS, Central Asian countries, Caspian region, other countries	Budget, International organizations	In process. Proposal to a new State water management programme. International partners are needed

	(including IFAS and ICWC)					
5.2	Weak technical bodies and secretariats in transboundary commissions Creation, training and support of secretariats, project offices	Professional working bodies with the status of international organizations	2019-2025	IFAS, CA countries, other countries	Budget, international organizations	In process. Proposal to a new State water management programme. International partners are needed.
5.3	Support of the transboundary water center in Kazakhstan and adequate financing of transboundary negotiations and cooperation	The decision on creation of the center of the transboundary waters and the budget to support cross-border cooperation	2019-2020	MFA, MA, CWR, Ministry of Finance	Budget, international organizations	Proposal to a new State water management programme. International partners are needed
5.4	Joint transboundary action on climate change adaptation, including measures to adaptation of the most vulnerable sectors: water and agriculture, drinking water and ecosystems	Joint climate change adaptation programs and projects.	2019-2025	Intergovernmental Commission on sustainable development, CA countries, other water users	Budget, international organizations	In process, Proposal to a new State water management programme, but international partners are needed
5.5	Dissemination of best practices and available	Inventories and databases of available technologies,	2019-2025	Intergovernmental Commission on sustainable	Budget, international organizations	Pilot project in process. Proposal to a new State

	technologies for adaptation water sector, agriculture and public utilities and drinking water supply to climate change	workshops and training for water user		development, Research institute, NGOs		water management programme. International partners are needed
5.6	Implementation of automated control, accounting and monitoring systems water resources in transboundary basins	Established of a regional information system - a basis for cooperation and trust, accessible to all countries	2019-2025	IFAS, MFA, MA, CWR	Budget, international organizations	In process. Proposal to a new State water management programme. International partners are needed
5.7	Establishment of a Water and energy consortium as a practical mechanisms to address problems in transboundary basins (to share a common benefits and risks between up-stream and down-stream countries)	Solutions for the creation of the WEC adopted by countries of the basins	2020-2021	IFAS, MFA, MA	Budget, international organizations	In process, Proposal to a new State water management programme, but International partners are needed
5.8	Eliminate dependence of BWO "Syrdarya" and "Amudarya" and SIC ICWC on the host country	The independence of the BWOs and SIC ICWC from the host	2019-2020	IFAS, CA countries	international organizations	In process. Proposal to a new State water management programme

5.9	Harmonization of legislation, indicators and standards of water quality in Central Asian countries; protection and development of water protection areas	Common programs to improve water quality in transboundary basins	2019-2025	Commission on sustainable development, CA countries	Budget, international organizations	In process (Kazakhstan-Uzbekistan). Proposal to a new State water management programme
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