



Ministry of Energy and Water Resources
of the Republic of Tajikistan

PROGRESS ACHIEVED IN TERMS OF WATER SECTOR REFORM PROGRAMME IMPLEMENTATION IN TAJIKISTAN AND NEXT STEPS IN IMPLEMENTING THE REFORMS

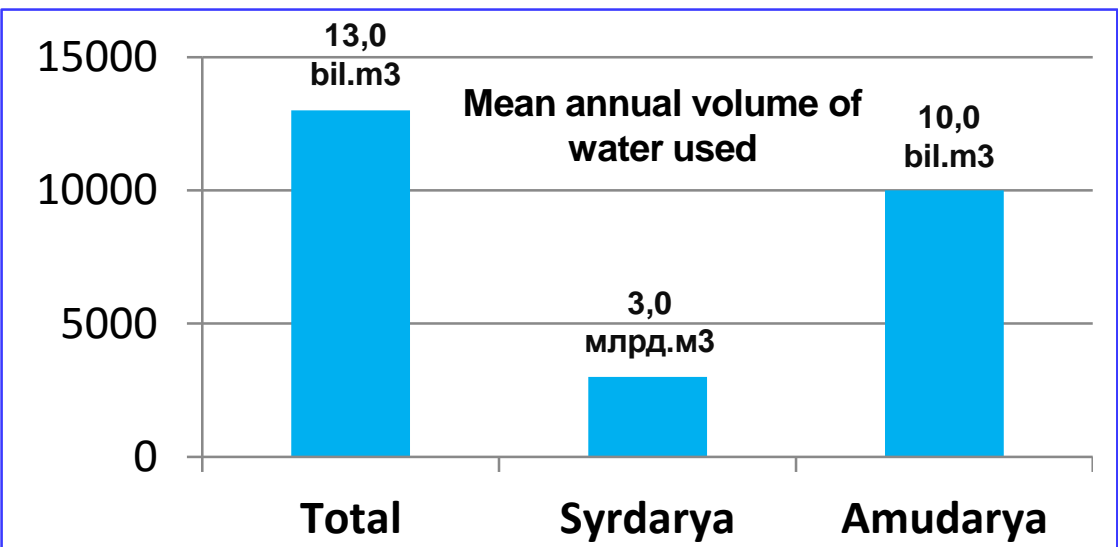
24 August 2023

DALER ABDURAZOQZODA

Head of the department on water and energy policy,
scientific and technological development in the Ministry of
Energy and Water Resources of the Republic of Tajikistan



Use of Water Resources



Water Use by the Sectors of Economy

Agriculture



85 %

Utility Services



5 %

Industry



5 %

Fishery



1,5 %

Main Challenges of the Water Sector

CHALLENGES

Climate Change



In the last 50 years volume of glaciers decreased on average by 30% and this trend continues.



The melting of glaciers has a negative impact on the formation of water resources. An increase in air temperature will lead to an increase in irrigation norms, an increase in dry years, and aridization of the region.

Population Growth



According to forecasts, the population of Tajikistan will increase by another 2 million by 2030.

Population growth forecast



Aging Infrastructure



The water management infrastructure was mainly built in the 70-80s and is largely worn out.

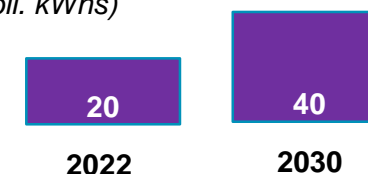
Growing water loss and unsustainable water supply for water users

Economic Growth



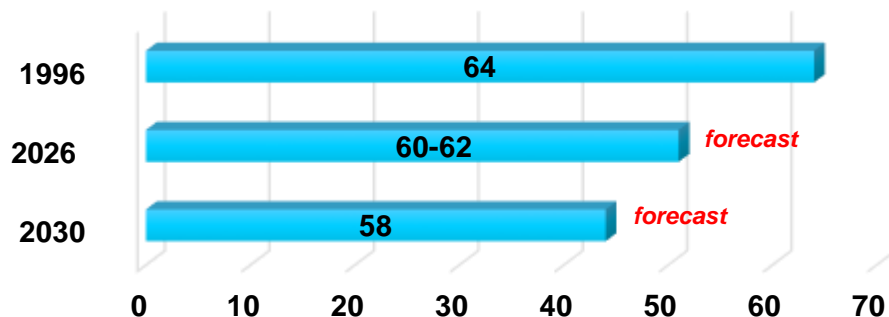
*According to the National Development Strategy of Tajikistan, by 2030 it is planned to achieve **growth of GDP by 3 times**, GDP per capita - **by 2.5 times**.*

Electricity production forecast (bil. kWhs)

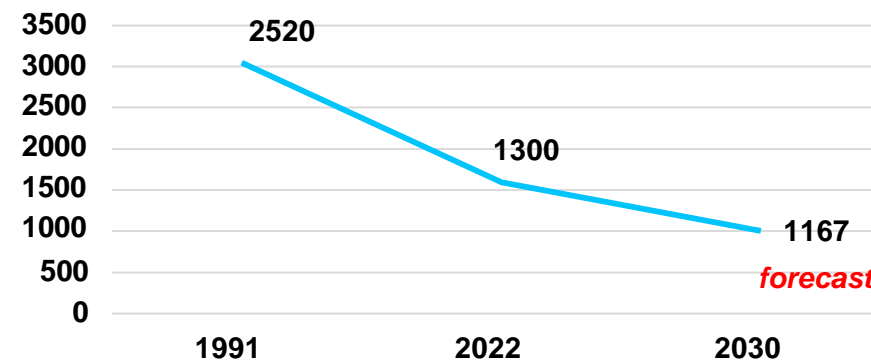


Forecasts

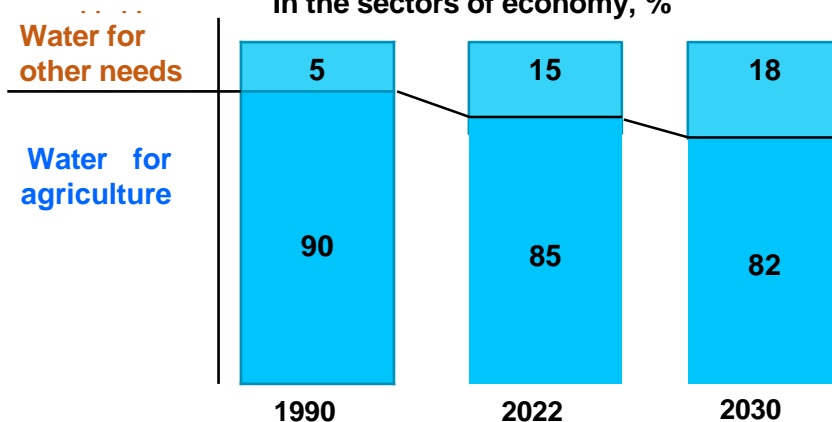
Decrease in water resources volume (bil.m3)



Annual water withdrawal per capita (m3/person)



Change in the structure of water use
In the sectors of economy, %



Water scarcity in the future is exacerbated by the predicted decrease in water resources, increased demand for water resources, due to population growth, the development of industry and other sectors of the economy.

Water deficit and the presence of competition between economic sectors will increase the pressure on groundwater and negatively affect water quality.

Water Sector Reform

Water Sector Reform Program is approved by the Resolution of the Government of the Republic of Tajikistan as of December 30, 2015, №791;

The program describes the existing problems in the water sector, determines the goals and objectives of the reform, mechanisms for the implementation of these goals and objectives, as well as the necessary financial resources for the implementation of the reform;

The program includes an Action Plan for the period of 2016-2025, consisting of 35 measures, reflecting the necessary financial resources and responsible authorities for implementation;

The Ministry of Energy and Water Resources has been appointed by the Decree of the Government as the Coordinator for the implementation of the Reform Program;

Reports to the Government on the implementation of the reform program by the Ministry of Energy and Water Resources are sent every six months.



Goals of the Reform



Guaranteed water supply to all water consumers



Achieve cost effective and environmentally sustainable water resources management



Improve water resources management through the introduction of comprehensive basin and integrated water resources management (IWRM)



Plan of activities of the program and the main results achieved

№	Title of Sections	Number of activities	From them:		
			implemented	In progress	Not implemented
1	Development of legislation and regulation	18	6	10	2
2	Institutional development	6	4	2	-
3	Infrastructure rehabilitation	5	1	3	1
4	Additional measures for water sector reform	6	-	6	-
	TOTAL:	35	11	21	3
	TOTAL IN %:	100%	31%	60%	9%

Projects Implemented in the Water Sector

mil. USD

No	Title	Number of Projects	Total cost of Projects	Spent in 2022	Spent from the beginning	Funds left
1	Projects implemented in the water sector	26	460	58	146	314
Including public investment projects:						
2	Projects in water supply and sanitation	7	243	28	62	181
3	Project in irrigation and melioration	4	165	22	52	113
Including projects implemented within the framework of technical support:						
4	Other projects in drinking water supply, irrigation, water quality, bank protection etc.	15	52	7	32	20

Key Results Achieved

Development of legislation and regulation:

- New Water Code of the Republic of Tajikistan was adopted;
- The Law of the Republic of Tajikistan on drinking water supply and sanitation is enacted;
- The Law of the Republic of Tajikistan on Water Users Associations is enacted;
- 17 by-laws were adopted in accordance with the new Water Code of the Republic of Tajikistan and the Law of the Republic of Tajikistan On Drinking Water Supply and Sanitation aimed at regulating various aspects of the water sector.

Key Results Achieved

Development of legislation and regulation:

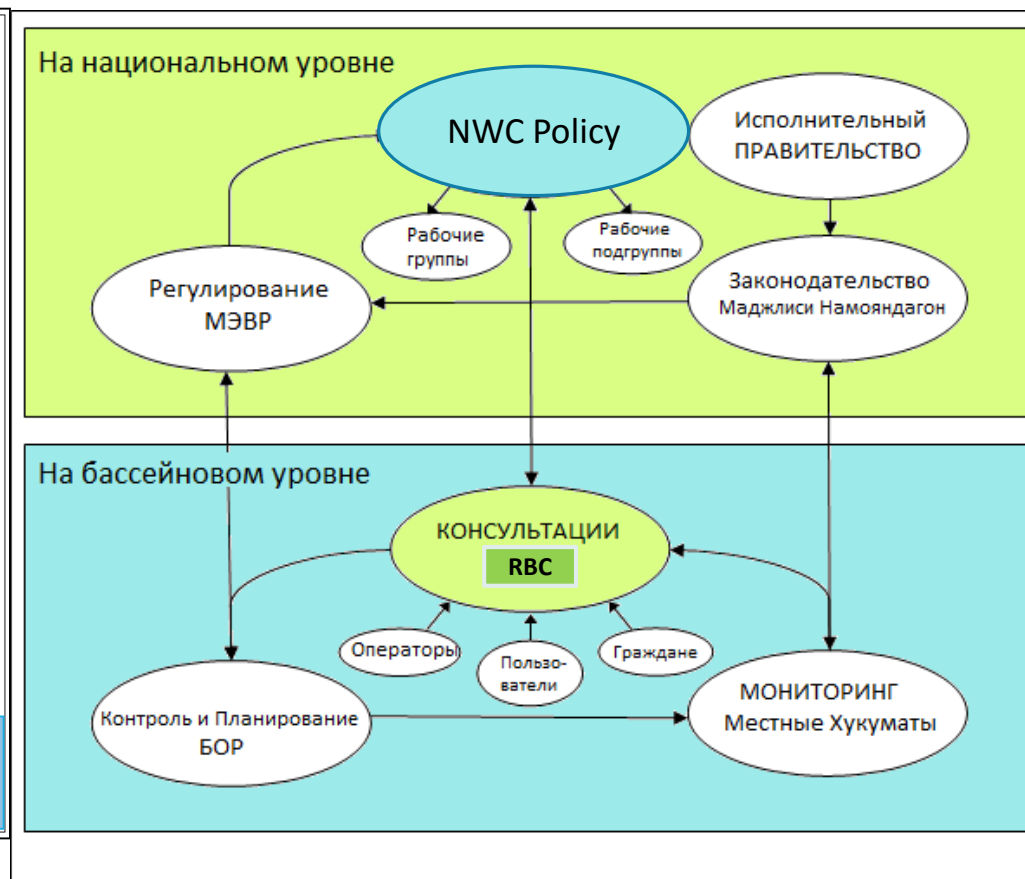
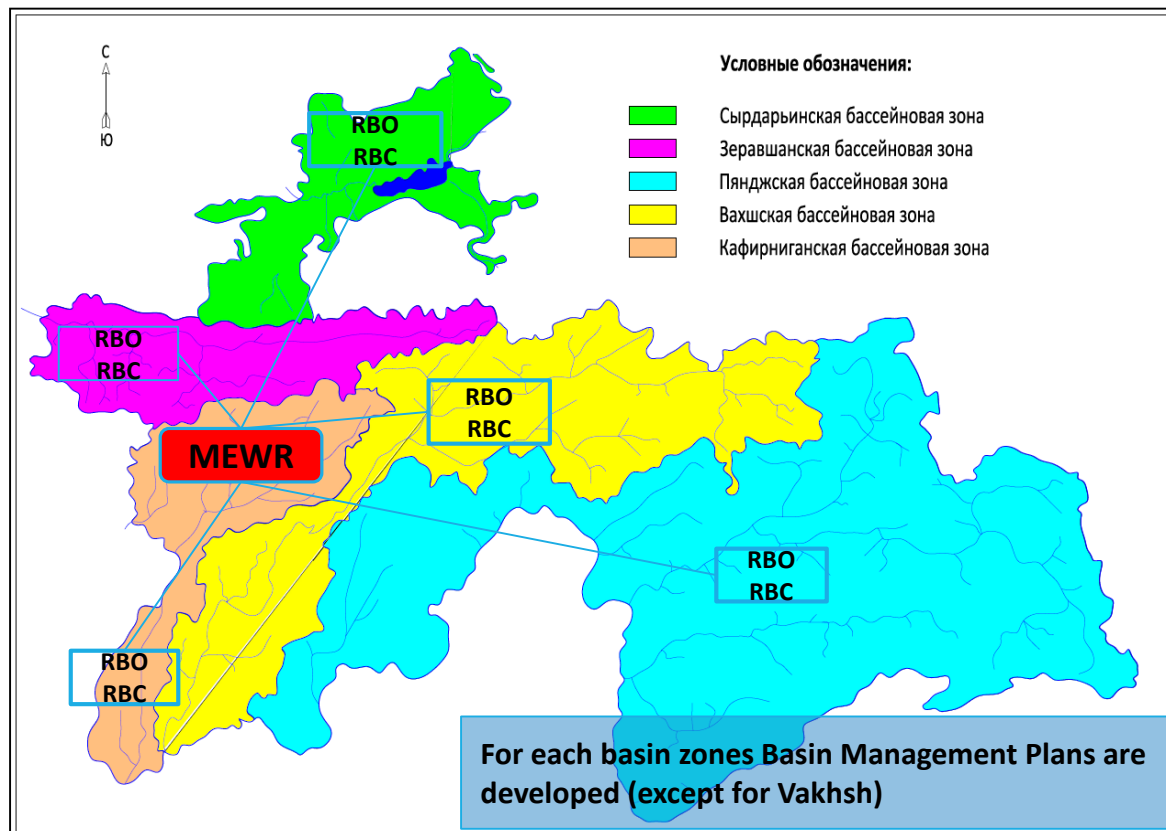
- National Water Strategy till 2040 was developed;
- Basin water resources management plans for Syrdarya, Zarafshon, Panj, Kafarnigan, Isfara and Isfana were developed;
- Program for the rehabilitation of industrial water supply systems and fitting the systems with water meters was developed;
- The State Program for drinking water supply and sanitation for the period up to 2032 has been developed.

Key Results Achieved

Institutional development:

- Basin zones are defined (territorial units for water resources management);
- 5 river basin organizations were established under the Ministry of Energy and Water Resources of the Republic of Tajikistan;
- Five basin councils of the Syrdarya, Zarafshon, Pyanj, Vakhsh and Kofarnikhon rivers have been established;
- Improving the governance structure in the water supply and sanitation sector was launched.

New Institutional Mechanisms for Basin and Integrated Water Resources Management



RBO – River Basin Organization
RBC – River Basin Council

NWC – National Water Council
MEWR – Ministry of Energy and Water Resources of RT

Key Results Achieved

Additional measures for Water Sector Reform:

- Concept for establishing National Water Information System was developed;
- Coding methodology for water units and water catchments was developed and corresponding coding was carried out;
- For the National Water Information System the applications "State water cadastre", "Water balance sheet", "Data base on irrigation were developed", "Geoportal" these are currently being improved;
- With the support of the CAREC TF and SDC, the Innovation and Scientific Research Cluster on integrated water resources management was created on the basis of the Hydroreclamation Faculty of the Tajik Agrarian University;
- Workshops and training sessions were carried out to build the capacity of the specialists engaged in the water sector.

Next Steps in Reform Implementation

Legal and Regulatory Development:

1. Development and implementation of National Water Strategy of the Republic of Tajikistan till 2040;
2. Development and implementation of Program of Drinking Water and Sanitation till 2032;
3. Development and adoption of Program for land reclamation and irrigation development till 2030;
4. Finalization and adoption of the Law of the Republic of Tajikistan "On Melioration and Irrigation";
5. Development and approval of the Basin Plan for Water Resources Management in the Vakhsh River Basin;
6. Implementation of activities specified in the Basin Plans for water management.

Next Steps in Reform Implementation

Institutional Development:

1. Set up **National Water Council**;
2. Strengthening the capacity of River Basin Organizations and the State Supervision Service for the Safety of Hydraulic Structures;
3. Strengthening the capacity of organizations included in the structure of the Agency for Melioration and Irrigation;
4. Improve management set up for drinking water supply and sanitation sector;
5. Facilitating growth and technical development of WUAs in Tajikistan to secure their sustainable functioning;
6. Establishment of a Training Center for Integrated Water Resources Management under the Ministry of Energy and Water Resources of the Republic of Tajikistan;

Next Steps in Reform Implementation

Infrastructure Rehabilitation:

1. Development of a Financing Plan for the rehabilitation and construction of irrigation infrastructure;
2. Modernization of irrigational pumping stations;
3. Development of a Financing Plan for the rehabilitation and construction of infrastructure for the drinking water supply and sanitation sector;
4. Attraction of new domestic and foreign investments for the rehabilitation of water management infrastructure based on financing plans.

Additional measures of the Reform:

1. Continue activities on improving National Water Information System;
2. Strengthening the capacities of the organizations responsible for water resources management in transboundary rivers, support to development of regional and international relations in the water sphere;
3. Development of training modules for water sector specialists' capacity development.

Thank you!

