

Improvement of the Condition of Irrigated Land and Efficiency of Water Use is a Guarantee of Sustainable Development

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Participation of UzNCID in ICID activities



Uzbek National Committee on Irrigation and Drainage

Uzbekistan is an official member of ICID since September 1993

The Uzbek National Committee on Irrigation and Drainage was established at the Ministry of Agriculture and Water Resources of the Republic of Uzbekistan (UzNCID).

Uzbek National Committee on Irrigation and Drainage

UzNCID actively promotes:

- implementation of the single scientific-technical water policy, which is aimed to develop the water sector of the Republic;
- improvement of the condition and productivity of irrigated land;
- adoption of modern irrigation technique and technologies to ensure better water management and environmental improvement;
- communication of best irrigation and drainage practices collected all over the world by sharing research and technical information with other national committees, disseminating up-to-date scientific and practical materials, and contributing information to ICID publications.

Achievements of Uzbekistan in the water sector

- IWRM principles implemented on a wide scale;
- Modern water-conservation technologies;
- Automated water distribution control and monitoring systems;
- Improved conditions of water management infrastructure;
- Reclaimed irrigated land;
- Diversified agricultural production, etc.

Implementation of IWRM

Uzbekistan is a well-recognized pioneer in implementation of IWRM in the region.

More than 130,000 ha covered in the Fergana Valley.

Disseminated in other provinces on an area of 250,000 ha.

Improvement of water management infrastructure

Cleaned and repaired annually:

- **5,000 km** main canals;
- **100,000 km** irrigation and ditch network;
- **10,000** hydraulic structures and gauging stations.



Improvement of water management infrastructure

Built and reconstructed over the last 10 years:

- **1,500 km** canals;
- **400** large hydraulic structures;
- **200** pumping stations;



Measures for reclamation of irrigated land

- According to the Decree of the President of the Republic of Uzbekistan in 2007, the **Fund for Reclamation of Irrigated Lands** was formed.
- **The State Program for Irrigated Land Reclamation** was implemented during 2008 - 2014 and totaled more than **US\$ 672 M.**
- For reclamation measures:
 - State leasing company "Uzmeliomashlizing" established
 - 49 state unitary enterprises established.



Measures for reclamation of irrigated land

- Repair and reconstruction over 2008-2014:**
- 88,903 km collector-drainage network
 - 6,189 vertical drainage wells
 - 233 pumping stations
 - 7,445 pipe regulators with crossing



Measures for reclamation of irrigated land

Equipment bought for reclamation purposes over 2008-2014

TOTAL	of which:		
	excavator	bulldozer	other equipment and mechanisms
1,688	655	200	833



Measures for reclamation of irrigated land

- Reclaimed irrigated land on **1.5 Mha.**
- Maintained good condition of land on more than **1 Mha.**



Measures for reclamation of irrigated land

- Reduced area of strongly and medium saline land on **113,000 ha.**



Measures for reclamation of irrigated land

Implementation of the State Program for Irrigated Land Reclamation contributed to **better land productivity**



Program for 2013-2017

Build and reconstruct:

2,333 km of irrigation network;
143 pumping stations.

Repair and rehabilitate:

29,258 km of irrigation network;
21,146 gauging stations;
45,549 hydraulic structures.

Adopt:

drip irrigation on **25,000 ha**
flexible hose irrigation on **34,000 ha**
film for irrigation on **45,600 ha**

Program for 2013-2017

Build and reconstruct:

5,109 km of collector-drainage network;
35 pumping stations;
907 vertical drainage wells.

Repair and rehabilitate:

83,589 km of collector-drainage network;
3,639 vertical drainage wells;
126 pumping stations.

New equipment for land reclamation – 836 units

Incl.: **303** excavators

109 bulldozers

424 units of other equipment and mechanisms

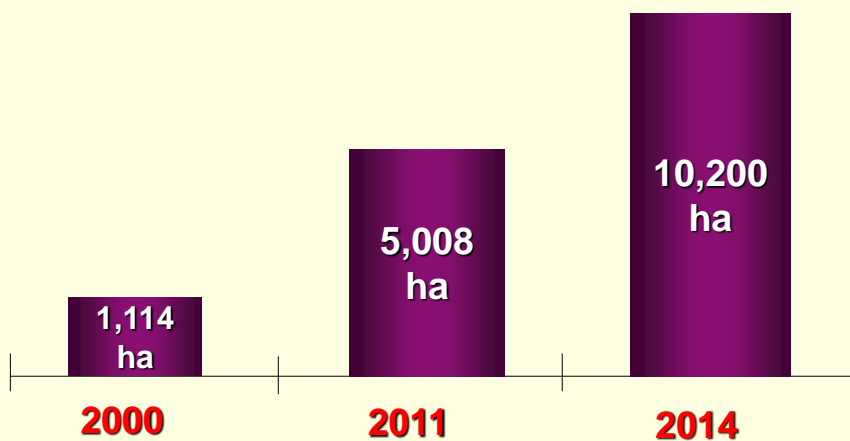
Application of water conservation technologies

The total area of
drip irrigation
system –
over 10,000 ha

Flexible hoses and
flim for irrigation
applied on about
8,000 ha

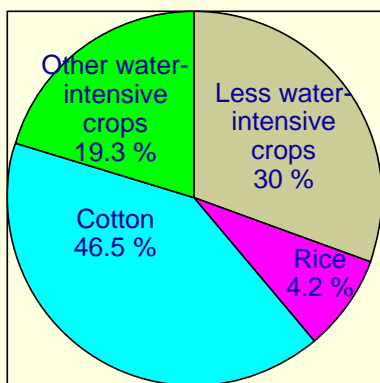


Area under drip irrigation

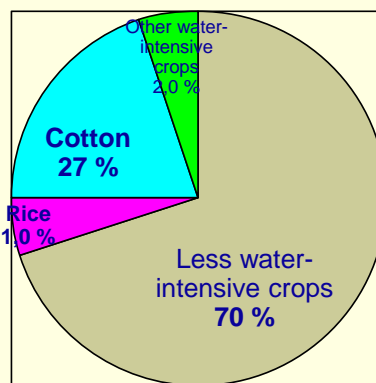


Diversification of agriculture

The share of cotton and other water-intensive crops in irrigated agriculture

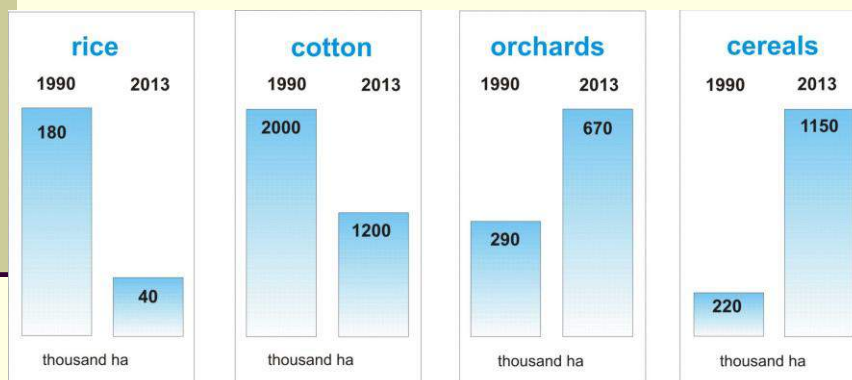


Before 1990s

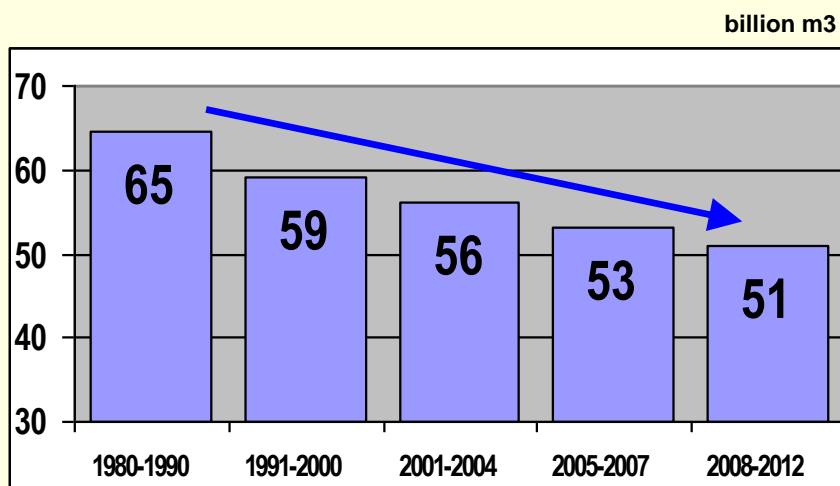


After 2000

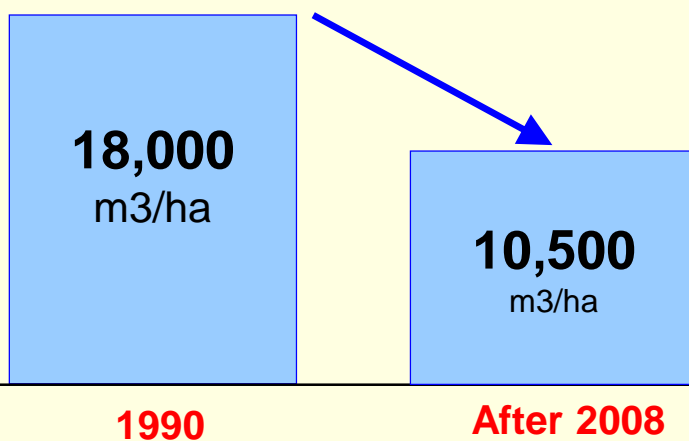
Diversification of agriculture



Dynamics of water diversion



Changes in irrigation water diversion per hectare



Program for 2013-2017

From 2013 to 2017

Long-term preferential state credits for land users and farms for:

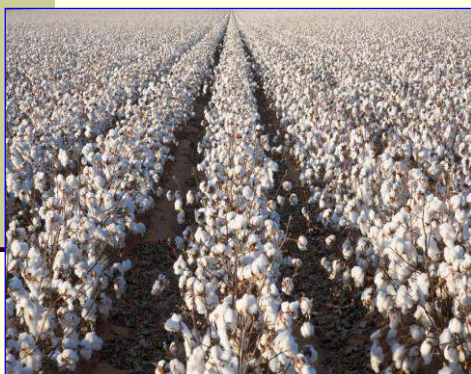
- adoption of drip irrigation on 25,000 ha;
- application of flexible hoses for irrigation on 34,000 ha;
- application of film for irrigation on 45,600 ha.

These farms are exempted from land tax and other taxes over the period of 5 years.



Application of water conservation technologies

- Encouraging water conservation;



Application of water conservation technologies

- Adoption of new irrigation technologies and methods:



Application of water conservation technologies

- Adoption of new irrigation technologies and



Application of water conservation technologies

- Adoption of new irrigation technologies and methods;



Application of water conservation technologies

- Adoption of new irrigation technologies and methods;



Issues related to transboundary water use

Energy-generation regime



Irrigation-environmental regime

Relations with neighboring countries in the sphere of water

Uzbekistan joined the following international conventions:



Convention on the protection and use of transboundary watercourses and international lakes, Helsinki, 17.03.1992



Convention on the law of the non-navigational uses of international watercourses, New York, 21.05.1997

Transboundary water cooperation in the Aral Sea basin

Uzbekistan took the lead in establishing in Central Asia:



- the Interstate Commission for Water Coordination in **1992**;



- the International Fund for saving the Aral Sea in **1993**.



Presidency in IFAS and its Executive Committee

Uzbekistan, during its presidency in IFAS and Executive Committee, will make all **efforts** to strengthen **the regional cooperation**.

We consider it necessary to **attract countries and donors** to successful implementation of the **Aral Sea Basin Program 3**, which was approved by all the countries in the region.





**Thank you for
attention**

