

### First IWRM initiative in Central Asia

 For the first time, Integrated Water Resources Management in Central Asia was initiated in 2001 by the Interstate Commission for Water Coordination within the framework of the IWRM-Fergana project with the support of the Swiss International Development Agency (SDC) by two institutions -International Water management Institute (IWMI) and Scintific Information Centre by the Interstate Commission for Water Coordination (SIC ICWC).



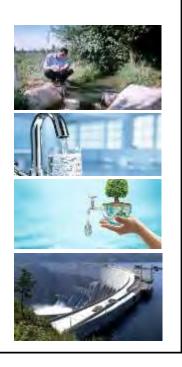
2

#### What is IWRM?

Integrated management means that all water users are considered together.

Decisions on allocation and management of water resources take into account the impact of each type of water use on others.

This takes into account the overall socioeconomic goals, including the achievement of sustainable development.



3

## Key goals of the project

- a) Check the effectiveness of integrated water resources management (IWRM) at pilot facilities with the participation of water users and introduce it into the water management organizations of the Ferghana Valley.
- 6) Demonstrate alternatives for improving water and land productivity at all hierarchical levels of water management



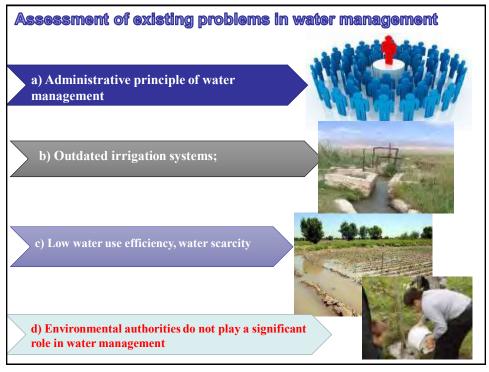


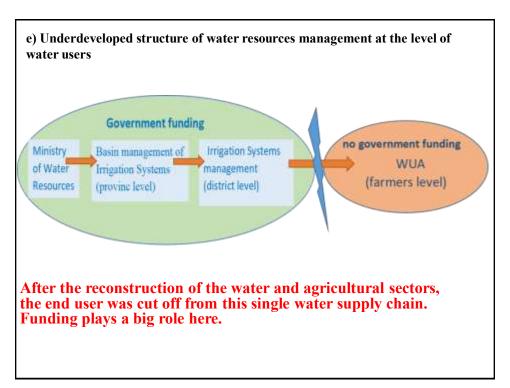
The project activities were carried out in four regions of the Fergana Valley: Andijan and Fergana (in Uzbekistan), Osh (in the Kyrgyz Republic) and Sughd (in Tajikistan).

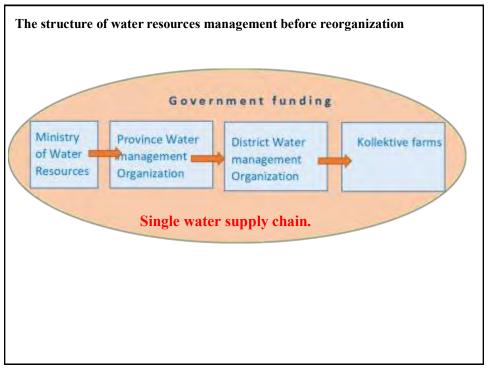
- Canal level Restructuring and search for new organizational solutions were carried out along the three main canals in the three states of the Ferghana Valley.
- WUA level Organization and development of existing WUAs in the form of pilot facilities, 9 WUAs were selected, three in each country;
- Farm level monitoring and evaluation of the actual use of irrigation water, development of recommendations to improve water productivity. (10 demonstration plots have been selected within the pilot canals.

INTEGRATED WATER RESOURCES
MANAGEMENT
RAINER
RESOURCES
WATER RESOURCES
WATER RESOURCES
WATER RESOURCES
WATER RESOURCES

5





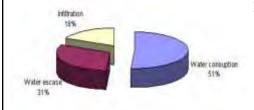


#### f) Lowe water efficiency on the all level water use

The efficiency of water resources use is determined by the level of losses relative to the required volumes.

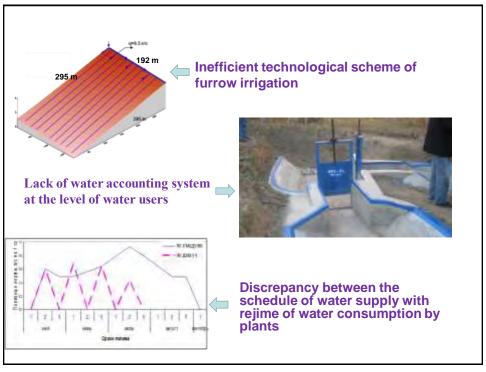


➤ Imperfect irrigation canal systems lead to large losses and account for more than 35% of water intake



➤ On an irrigated field, losses exceed 40% of the water supply

9



# Development of management tools

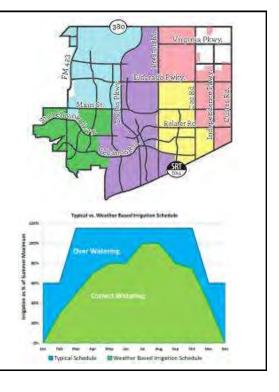
An IWRM methodology based on the participation of key water users and professional social mobilization was developed and tested at pilot sites.

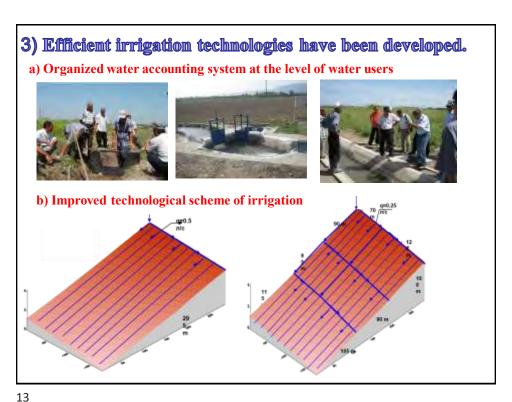
1) Canal Administrations have been established to manage water resources along hydrographic boundaries.

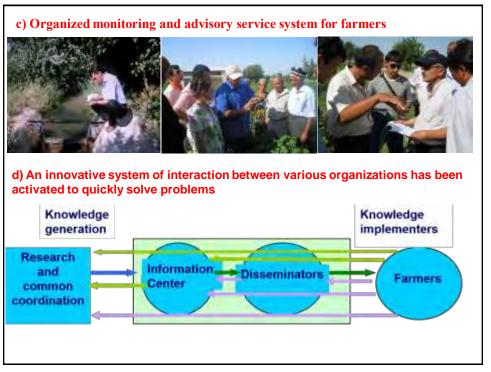


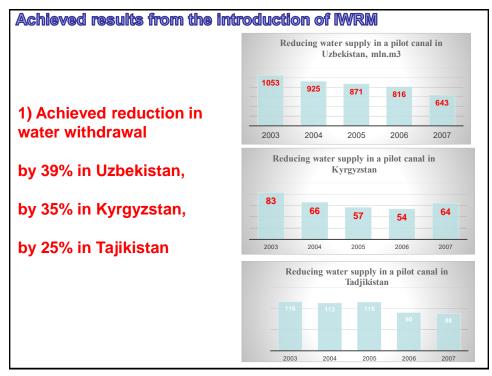
11

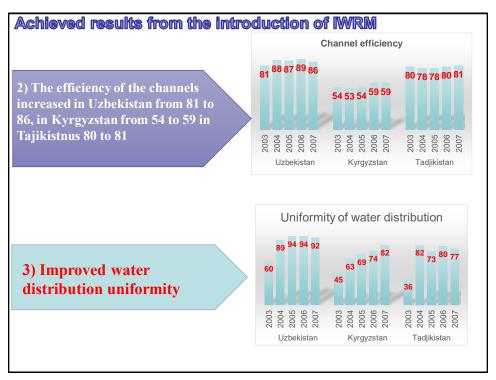
2) An effective methodology for planning and water allocation at the WUA level has been developed and tested on pilot sites.

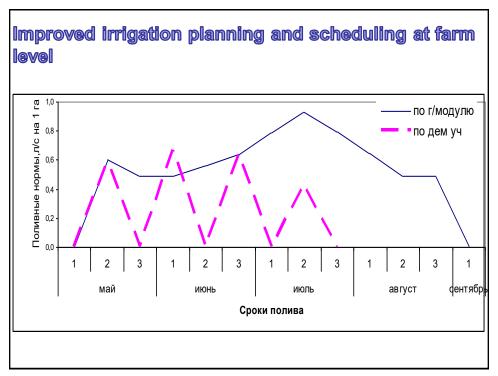


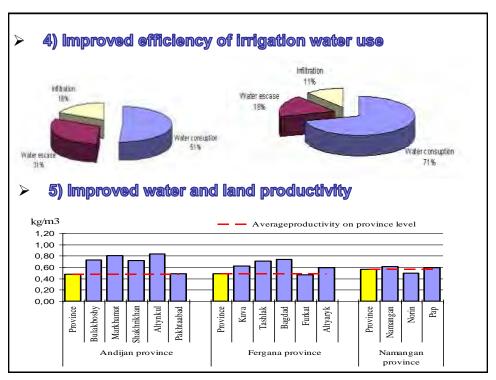


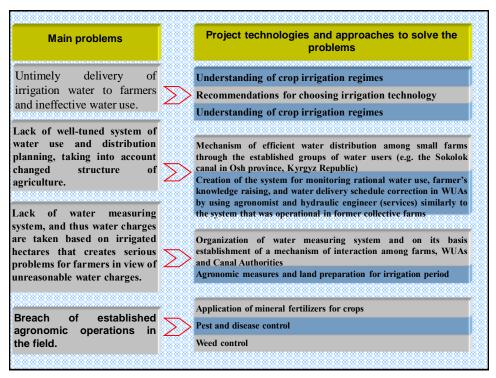


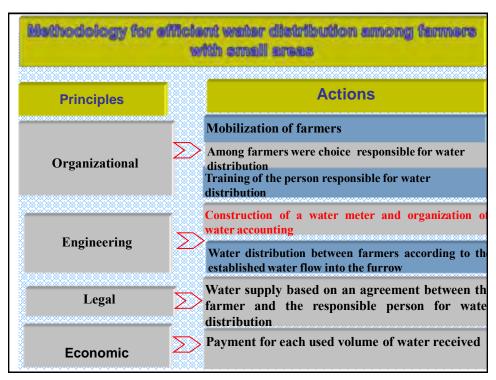












# Thank you very much for your attention