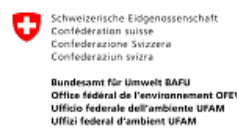


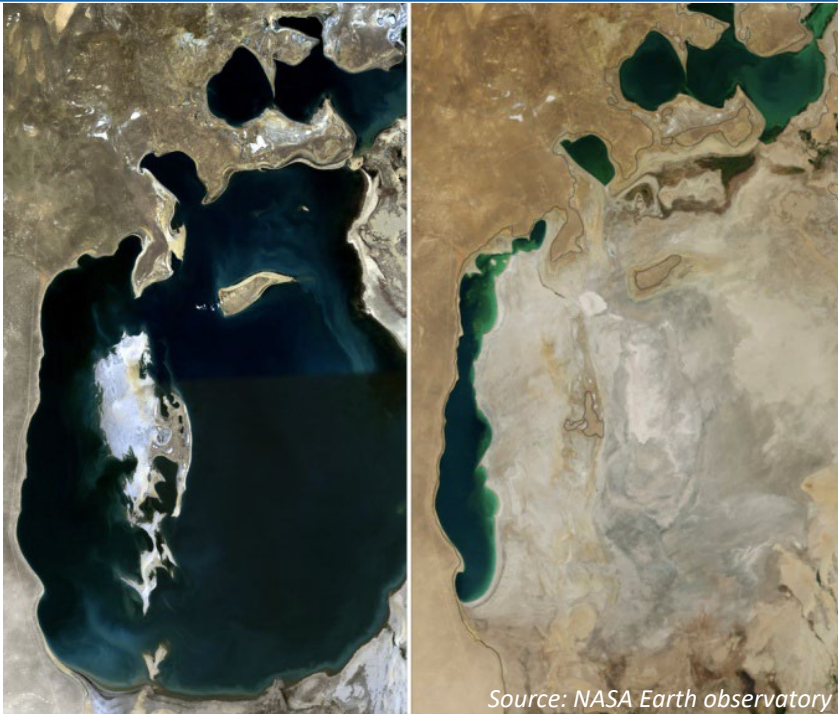


Global Workshop
on Droughts in Transboundary Basins
26-27 February 2024, Geneva

Trees in Dry Cities and agriculture as solutions for minimizing and managing drought risk

Botir ISMOILOV
Uzbekistan / Ministry of Foreign Affairs





Source: NASA Earth observatory



Source: Anvar Ilyasov



Source: Press service of Muvnak Administration

In November 2021
the nationwide project “**Yashil Makon**” was launched
throughout the country



2022-2026 UZBEKISTAN’S DEVELOPMENT STRATEGY



ADOPTION OF 4 GOVERNMENT DECREES



GOAL:

1 Billion

tree and shrub seedlings

GENERAL COORDINATION

MINISTRY OF ECOLOGY, ENVIRONMENTAL
PROTECTION AND CLIMATE CHANGE



DELIVERY OF SEEDLINGS

State Forestry
Agency

Business entities

Residents of
regions

Scientific Research
Institute of Horticulture,
Viticulture and Winery

DELIVERY OF WATER



1058.7 km of irrigation systems

893 water extraction wells



610 water tank trailers

"YASHIL MAKON" NATIONWIDE PROJECT. WHAT HAS BEEN DONE



"YASHILMAKON.ECO" electronic platform: **416** million saplings were planted.



Planting season (Spring & Autumn)

28 types of trees, shrubs es are planted



662 hectares of "green public parks"

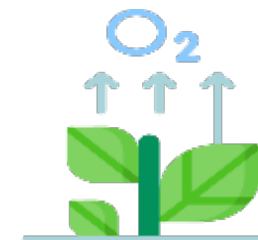


588 hectares of "green parks" were created.



Around **198** waste landfills

230 thousand saplings were planted and tree groves were established.



2,3 million saplings planted in order to establish "green belts" around Industrial enterprises.



Necessary measures taken against forest diseases and pests in **65,000** hectares



"Green belts" (length of **120** km) were created around the cities of Bukhara, Nukus, Khiva and Urgench.



218 thousand saplings were planted along **126** km of «Tashkent-Samarkand» railway

14 mahallas are selected as "Green Mahalla" annually and USD 50,000 and one EV are allocated for each for further development of green public parks in local communities



2 million saplings to **9443** mahallas
1000 saplings to **6739** educational organizations. Delivered free of charge.

900 thousand saplings were delivered to health institutions.

New approaches



Invitro laboratories will be established in each district



Sustainable greenhouses will be built



Implementation of the "Skyrise Greenery" program - the greening of the roofs of vertical and high-rise buildings based on the experience of Singapore.

New projects



Promotion of scientific projects on effective seedling production



Rainwater harvesting (into reservoirs) will be introduced



A system of passporting trees will be created in the city of Tashkent

FINANCING FUTURE ACTIVITIES



Issuance of sovereign "green bonds".

Issuance of "Sustainable Development Bonds"

Carbon trading system

Attracting investment based on the principles of blended finance



"Green payment" platform is being introduced

"Green Charity Fund" will be established in the Ministry of Ecology.

Funds will be directed to the "My Garden" project based on public opinion.



"YASHIL MAKON" NATIONWIDE PROJECT IN PLACE



Source: Gazeta.uz



Source: UzRTXB AJ



Source: Ministry of Ecology



Source: Yakkabog' tuman hokimligi



Main objectives:

- to improve ecological and socio-economic situation in the region
- to reduce wind erosion, fix moving sand dunes, minimize the process of deflation (removal of salt, dust and sand) on the protected area, improve air quality
- to involve the drained areas in economic activities through development of cuttle breeding and cultivation of medicinal plants
- restoration of the local fauna and flora.

On the dried bottom of the Aral Sea, located in the Muynak region of the Republic of Karakalpakstan, a **“green cover” – protective forest plantings – has been created on an area of 1,8 million hectares**



The process of receiving saxaul seeds prepared by the local people

Land preparation in the dried bottom of the Aral Sea





The process of sowing plant seeds



Green covers





WATER DEMAND MANAGEMENT. IMPLEMENTATION OF WATER-SAVING TECHNOLOGIES



TOTAL IRRIGATED AREA

4,6 million ha



AREA COVERED WITH

WS TECHNOLOGY

1,2 million ha



IN PERCENTAGE

30 %



in 2023

3 %

472,2 thousand ha drip

48,4 thousand ha rain (sprinkler systems)

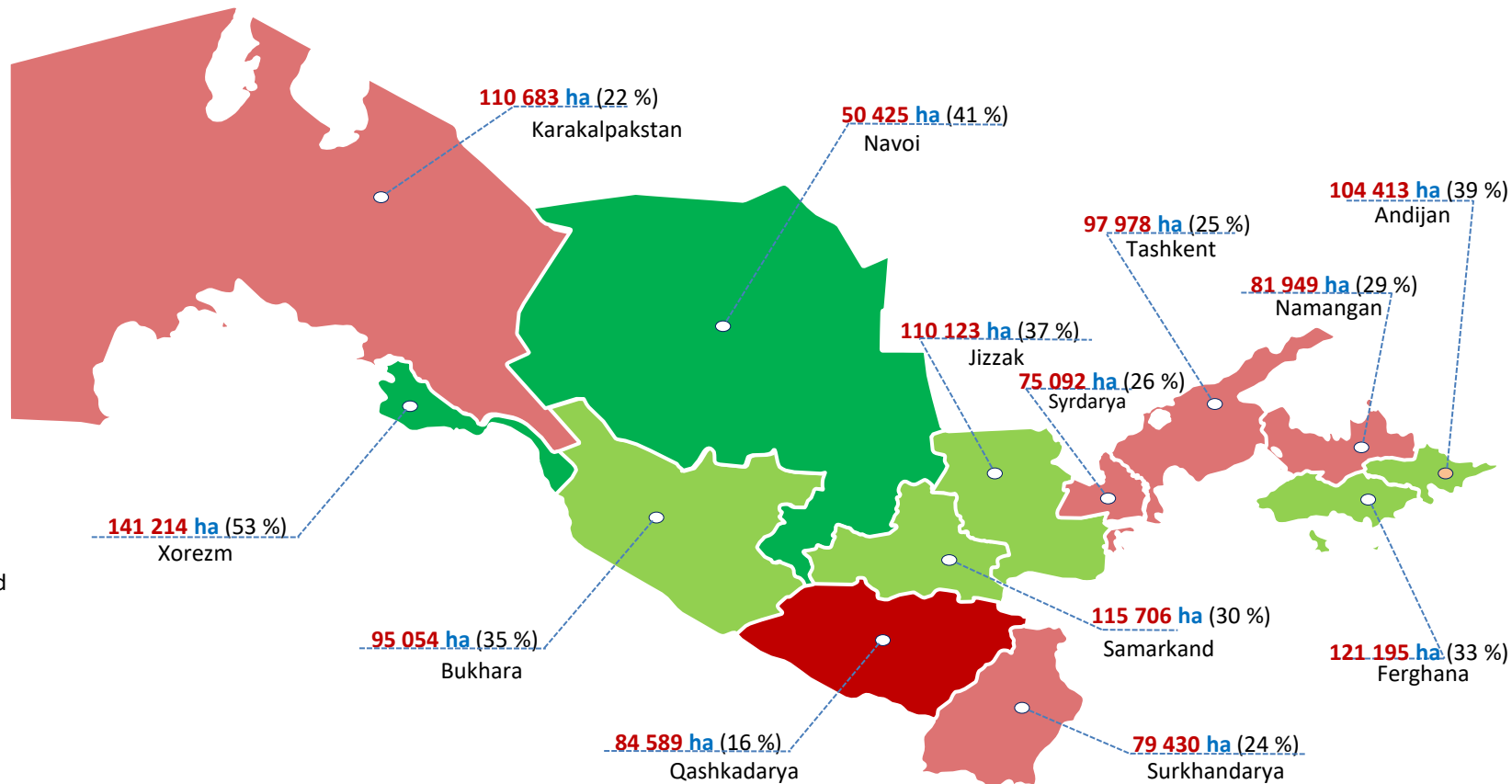
24,7 thousand ha pulsar

45,3 thousand ha using Flexible pipes

27,8 thousand ha using Plastic Mulch

649,4 thousand ha laser land leveling before drip

The country is currently ranked **first** in Central Asia, **second** among CIS countries, **fourth** among Asian countries, and **thirteenth** in the world in terms of the area where water-saving technologies have been introduced.



Areas where WST have been introduced in relation to irrigated areas

- - 41-55 %
- - 30-40 %
- - 20-29 %
- - 10-19 %

GOVERNMENT SUPPORT

BASIC CALCULATION OF SUBSIDY AMOUNT

DRIP IRRIGATION
800 USD / hectare

RAIN (sprinkler systems)
800 USD / hectare

Pulsar IRRIGATION
400 USD / hectare

125 million USD of subsidies were allocated
Unified information system "Agro-subsidy"



For orchards and greenhouses – 26 million USD



For newly established vineyards – 8 million USD



For grain crop and other cultivation areas – 96 million USD

Preferences

- 4.2 percent of the loan amount will be reimbursed.
- Exemption from land tax for a period of 5 years.
- Areas with WST will not be optimized for 5 years.
- 30 percent discount on water tax is available when a water meter is installed

IN 2023, 52 WST PRODUCING LOCAL ENTERPRISES

Annual capacity
250 thousand ha

Localization level
80 %



The cost of the product decreased by 15-20 percent



Trade branches and recycling services have been created locally



Unified electronic register "Tomchi-Reestr" was established



PROJECTS



International scientific projects on
resource-efficient irrigation
(thousand USD)

In 2017
150

In 2023
235



Training on water-saving technologies,
number of DSc and PhD defenses
(person)

In 2017
0

In 2023
7



Promotion of WST
(workshops, field visits organized and
articles, TV and internet shows produced)

In 2017
n/a

In 2023
≥ 12000



Study guides and textbooks published

In 2017
n/a

In 2023
≥ 25 000

Thank you !



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