

Central Asia Regional Economic Cooperation

Knowledge and experience to improve the environment

Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB)

2016-2021

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Climate Change Specialist
Dushanbe, September 27, 2019*



CAMP4ASB
Climate Adaptation & Mitigation
Program for Aral Sea Basin
CENTRAL ASIA

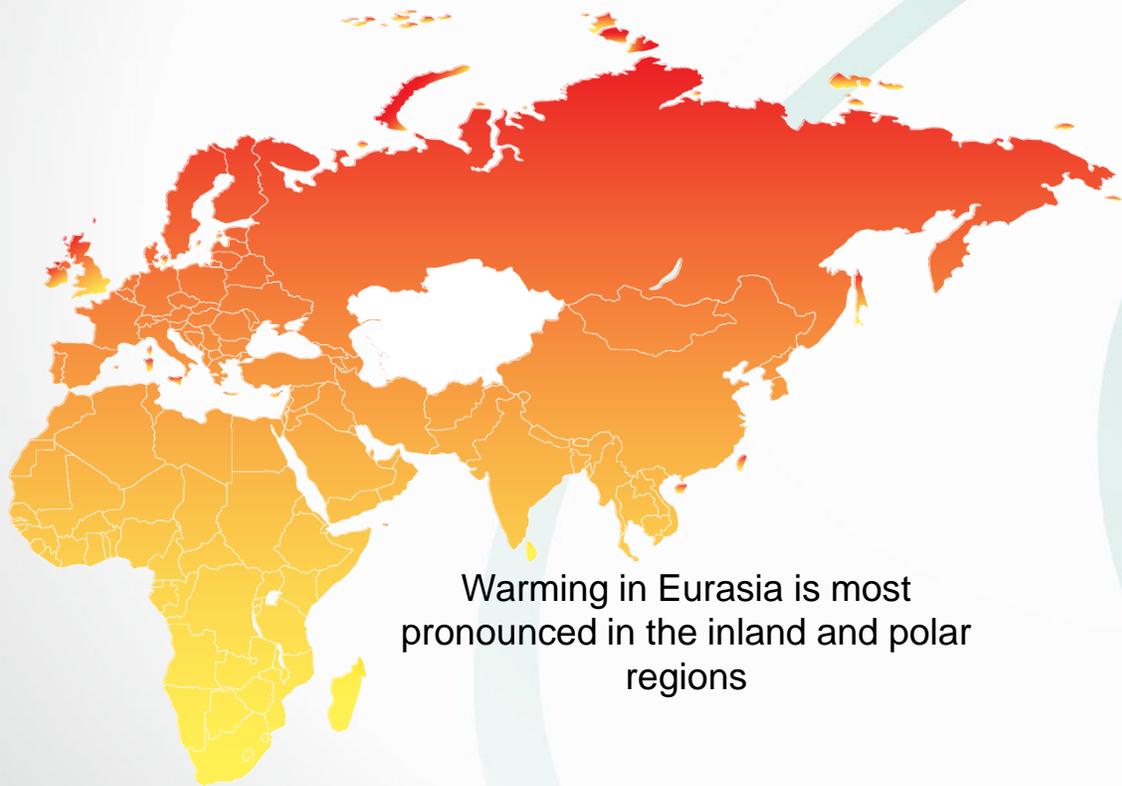


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CAMP4ASB Context and Tasks

In a world of changing climate, the Central Asian region until recently remained a blank spot on the global map



The purpose of the program:

Addressing common challenges and challenges related to the effects of climate change in Central Asia

Tasks :

An icon in a circular frame containing a sun, a thermometer, a speech bubble with a question mark, and a cloud with a question mark.

Improve **regional access to climate change information services and knowledge** for Central Asian countries

An icon in a circular frame containing a hand holding a coin, a sun, a cloud with rain, and a lightning bolt.

Attract **climate investments and build capacities to address** climate change and hazards

Key participants and characteristics of the CAMP4ASB program



Financed by the World Bank (WB) and the International Development Association (IDA)



Implemented under the auspices of the International Fund for Saving the Aral Sea (IFAS)



Regional Environmental Center (REC) provides regional coordination and implements the regional components of the project



National components are implemented in two countries: Tajikistan and Uzbekistan

Main characteristics:



Topic: climate change and mitigation in the Aral Sea basin



Budget:
\$ 15 million (grant)
regional activity
\$ 23 million (loans)
national activity



Duration: 5 years
2016 – 2021

Regional Activities for CAMP4ASB



1.1 Regional Climate Information Platform

1.2 Upgrading weather and climate observing systems



1.3 Development of methodologies and tools for assessing climate change

1.4 Development of climate knowledge information products



1.5 Human Resource Development

1.6 Climate Investment Assessment Mechanism

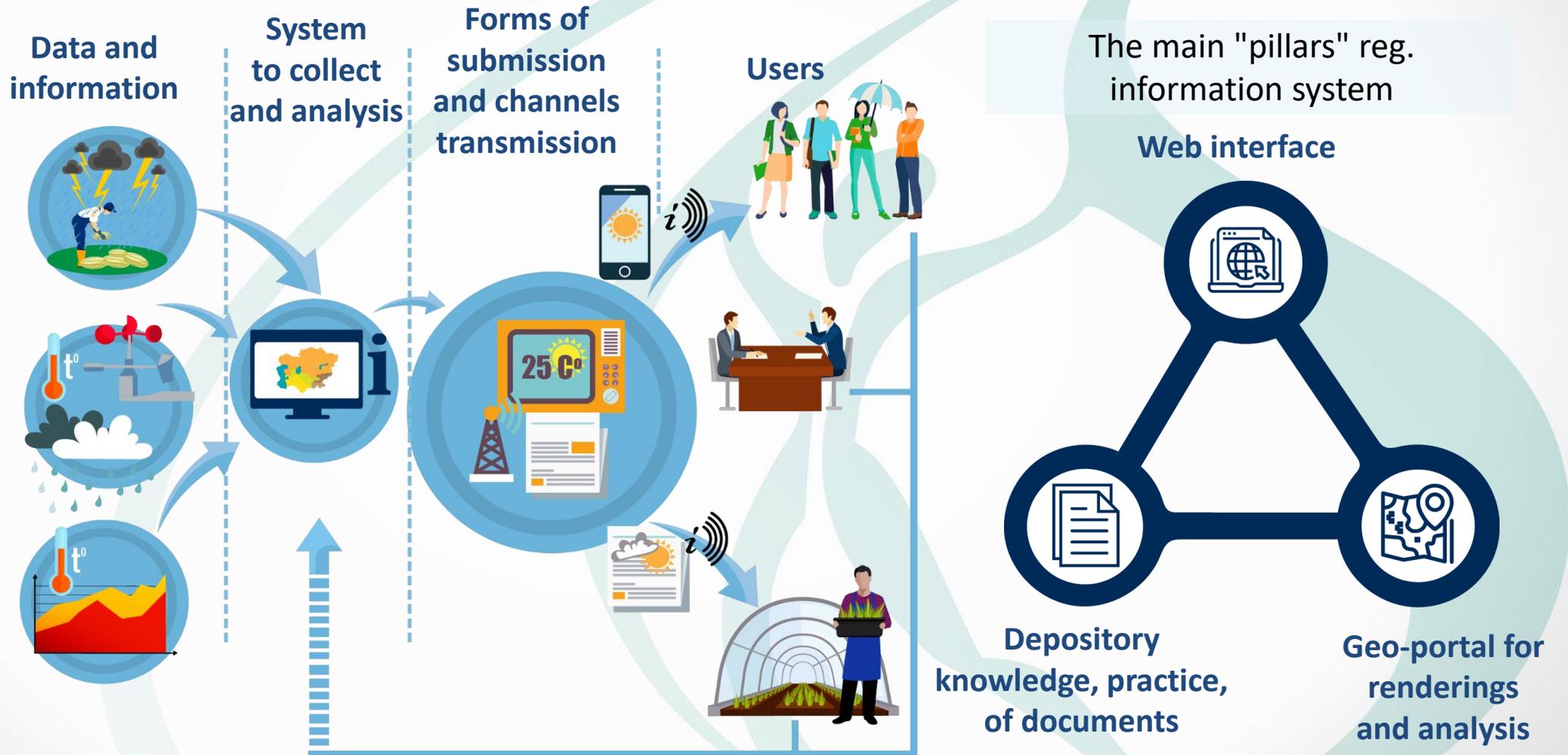


1.7 Outreach

Progress in implementing regional components



1.1 Regional Climate Information Platform



Component Implemented ICARDA

Consultations held in countries

A shell is being developed and for platform

Results are expected in the summer of 2020

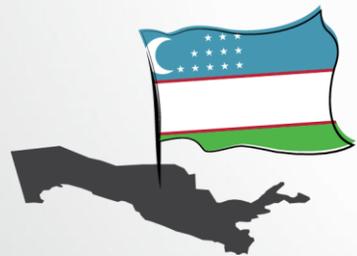
Progress in implementing regional components



1.2 Upgrading weather and climate observing systems

A needs assessment was carried out to modernize the observing network of the Agency for Hydrometeorology of the Republic of Tajikistan, taking into account the activities of other projects

It is planned to purchase equipment to improve the observation network



A contract was signed for the purchase and installation of **50** automated weather stations for the Uzhydromet observational network

A contract was signed for the purchase and delivery of **2** mobile laboratories for environmental monitoring of the Goskomekologiya RU

Progress in implementing regional components



1.3 Development of methodologies and tools for assessing climate change

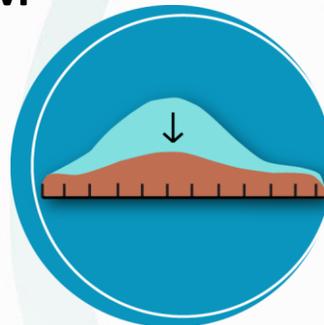
MODSNOW



Together with GFZ, seasonal (vegetative) runoff forecasting assessments in 18 sub-basins of Central Asian rivers were carried out, recommendations for implementation were prepared

Hydrological forecasting work in progress

SWIM



Together with PIK, assessments of the impact of climate change on the hydrology of major rivers (representative zones) for 2050-2100 were carried out.

Publications and recommendations prepared for integrating the long-term effects of climate change into water planning

Product Information Examples

1.4 Development of knowledge information products

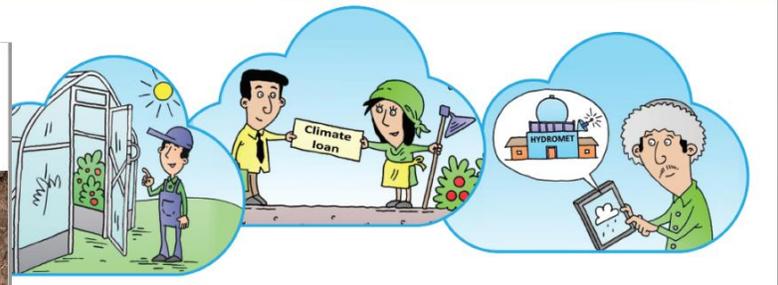
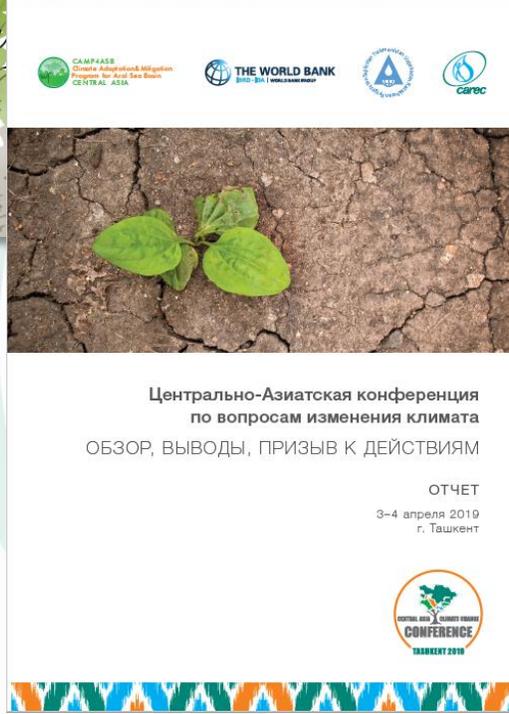
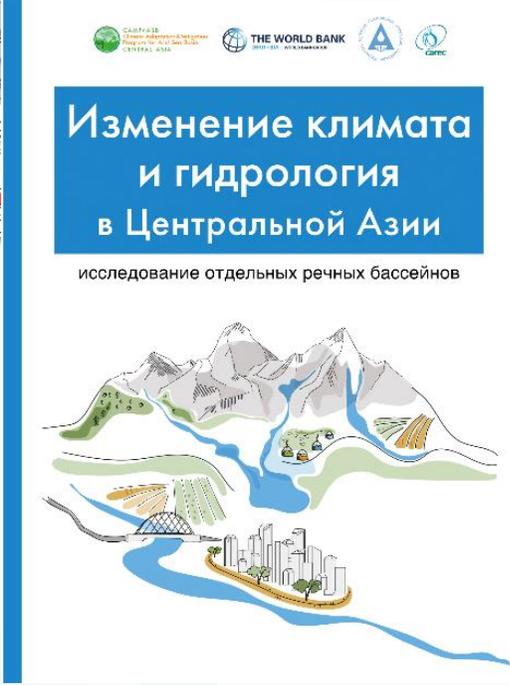
Climate Investments in Central Asia:
Preliminary results of the International Development Association loan programme



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Green technologies and climate information: application guide in cartoons



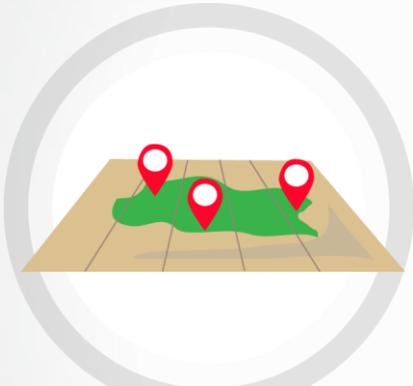
Please add photos of webinars Zhanna

Progress in implementing regional components



1.5 Human Resource Development

Work with national hydrometeorological services



- Regional and national trainings
- Round table to identify the needs of the NMHS of Central Asia to increase capacity in data management and forecasting (05.28.2019)
- Regional thematic areas for increasing capacity in the field of meteorological, hydrological agrometeorological monitoring and forecasting are identified
- Plan to increase the potential of specialists from NMHS CA in data processing and forecasting



- improved processing of weather data and weather forecasts;
- improved hydrological forecasts based on remote sensing, the use of a reservoir module for hydroelectric power stations;
- improved monitoring and agrometeorological forecasting of bioproductivity

Progress in implementing regional components



1.5 Human Resource Development

Work with universities

6 universities in Central Asia are actively involved in training modules and courses and cooperation with foreign centers in the field of climate change and hydrometeorology has been established

Regional training for teachers on GIS, climate and hydrological modeling (Almaty, August 2019)

Student research competition on sustainable natural resource management in Central Asia grant for research work, training, scientific adviser, participation at CACCC

Progress in implementing regional components



1.6 Climate Investment Assessment Mechanism

Implement climate technology and skills



Developing financial literacy and climate change awareness of financial institutions



Small alternative energy sources



Solar dryers, storage systems agricultural products, etc.



Investment Valuation in technology

Field estimates and surveys of farmers, original methodology



Assessment of the practicality and effectiveness of measures to reduce the impact of climate factors



Assessment of the cost-effectiveness of projects and the benefits of adaptation measures



Developing financial literacy and climate change awareness of financial institutions



Implementing climate requirements in the banking sector

Environmental selection criteria and climate



Workshops for climate agro-loan sub-borrowers

Progress in implementing regional components



1.7. Outreach

Photo contests,
videos and
reports



Media trainings
and articles



Youth events,
leadership school



Regional Climate
Conferences



Climate Dialogue
between the MFA and
Parliaments
Central Asia



Central Asia
Climate NGO
Coalition



Central Asian Climate Change Conference, 2019

Tashkent, April 2019

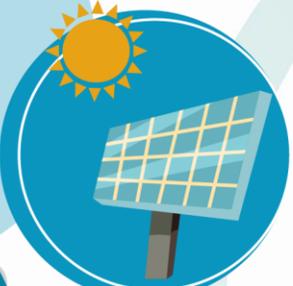
About 400 participants from 5 countries of Central Asia and international guests

Climate finance



Climatic services and information

Global Climate Policy and Country Commitments

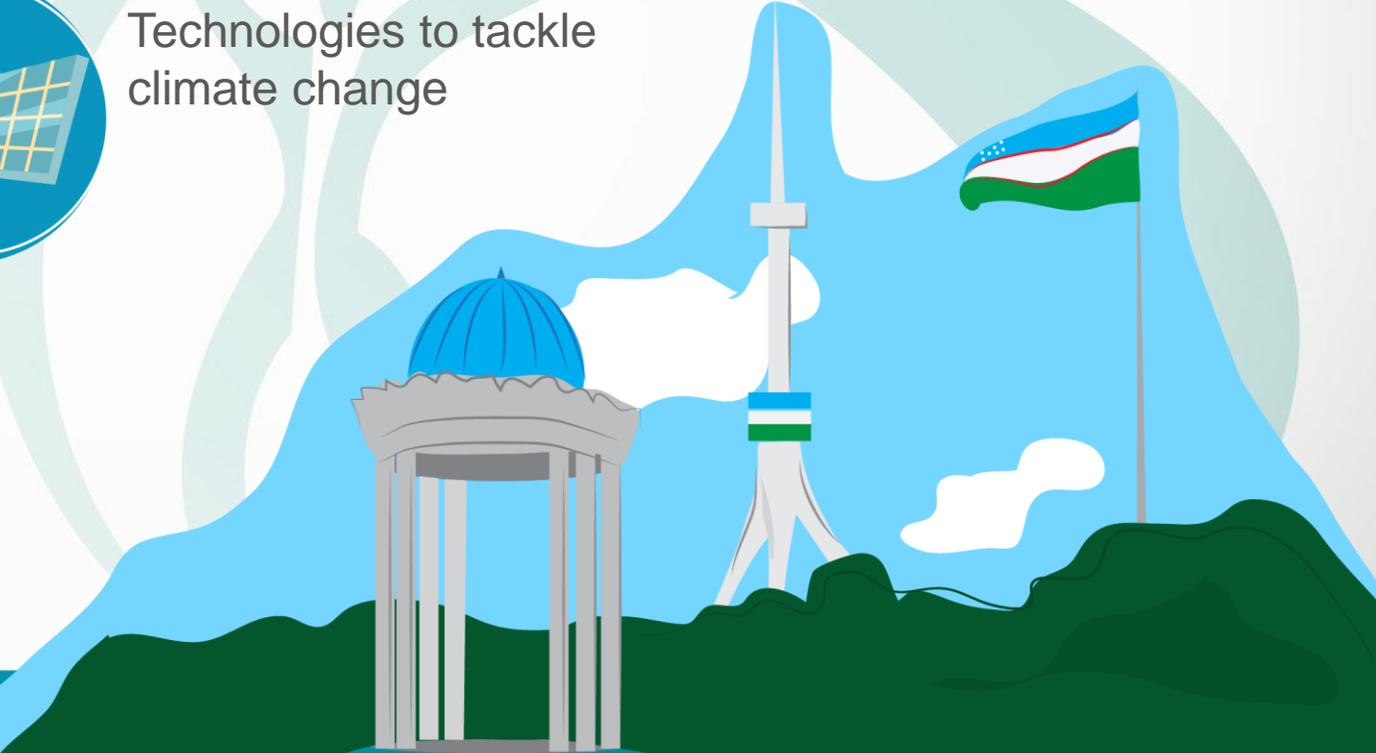


Technologies to tackle climate change



Climate Change Impacts in Central Asia

Parallel Sessions:
- education and climate
- youth and climate



Interdisciplinary regional events in Almaty, 2019

First delegation of the Intergovernmental Panel on Climate Change (IPCC) visited Central Asia (21-22.08.19, Almaty)

Over 150 participants from 5 Central Asian countries and international guests from the IPCC, 3 parallel meetings and a press conference

Meeting of the Foreign Ministry and parliamentarians



Meeting with the scientific community



Regional training for the media



Key results and activities planned for 2020

Regional Information Platform



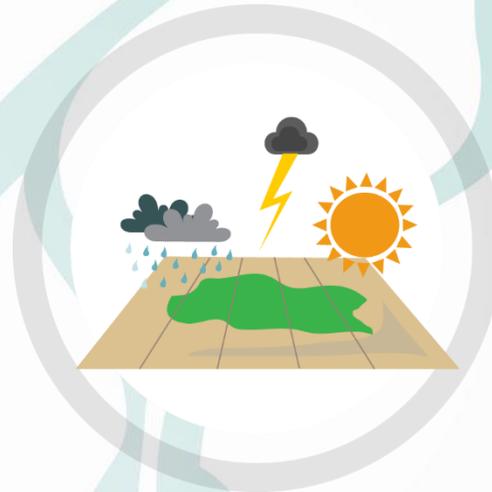
System startup and user introduction

Climate Change Assessment and Integration of Decision Making



New publications, databases and system content

New Opportunities for Climate Services



New Climate Data and Estimates and Information Products

Continuing staff development, trainings and study tours



Exchange of experience with other regions of the world, new knowledge and skills

Central Asian Climate Change Conference 2020

Dushanbe, May 2020 (preliminary)

250-500 participants expected

Climate Change Impacts in Central Asia



Climatic services and information



Global Climate Policy and Country Commitments



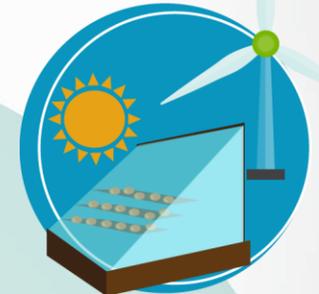
Climate finance



Technologies to tackle climate change



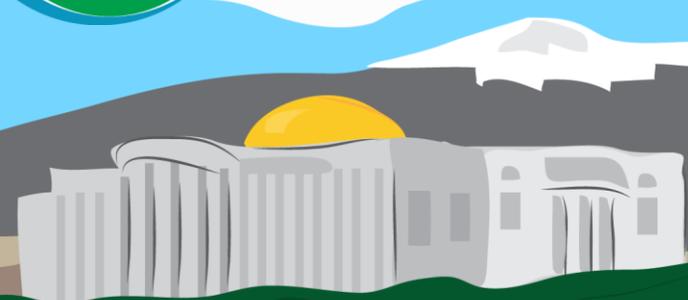
Meeting of the Foreign Ministry and parliamentarians



Technology exhibition



Global Landscape Forum





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Thank you for attention!

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