

# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### About CAREC and the CAMP4ASB project



CAREC is supporting the CAMP4ASB project implementation under the auspices of the Executive Committee of the International Fund for Saving the Aral Sea (EC IFAS).

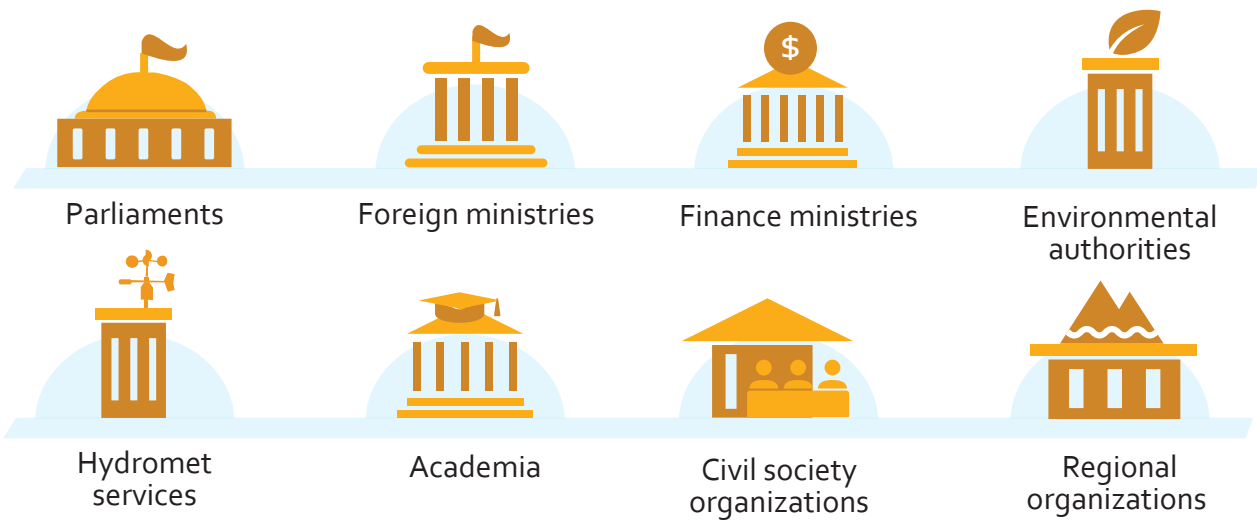
CAREC has offices in all 5 countries of Central Asia. CAMP4ASB is managed by the Almaty regional office.

Tajikistan and Uzbekistan have national project components and project coordination units.

### Project management



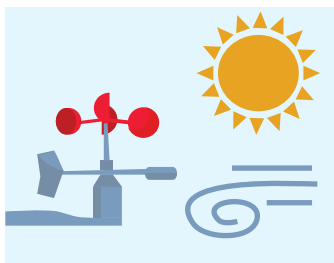
### Project partners



# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Objectives



Improved climate monitoring



Capacity-building



Climate adaptation and mitigation



Improved access to information and knowledge

### Time frame



### Beneficiaries



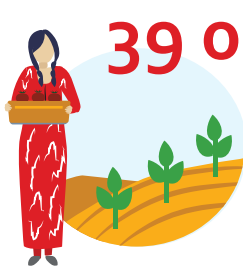
50

Policymakers and members of parliaments



200

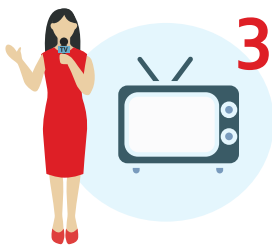
National climate experts, educators and scientists



39 000

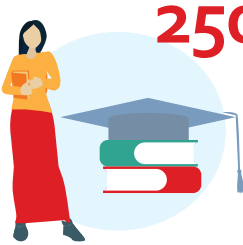
50% women

Farmers – climate micro-loans, knowledge and training



350

Mass media and civil society representatives actively involved



250

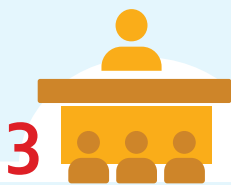
Youth and students trained and engaged



200

Cooperation links with international organizations and donors and scientists

### Milestones and targets



3

Regional climate change conferences and networks



70

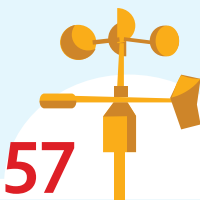
Climate change training, experience exchange and project monitoring visits



3 000

40% women

Unique participants in regional conferences and training



57

Meteorological stations improved and automated



12 600 ha

Agricultural lands covered by climate adaptation actions



20 000

Users of climate information and knowledge products

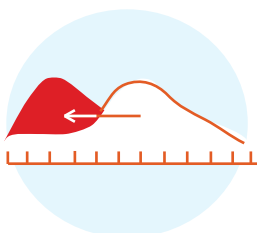
# Regional Environmental Centre for Central Asia

Climate Adaptation and Mitigation Programme for the Aral Sea Basin  
(CAMP<sub>4</sub>ASB)

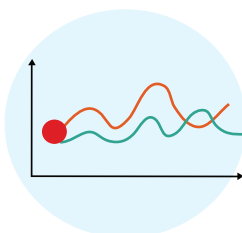
## Regional accomplishments



IPCC and UNFCCC observer status for CAREC and visibility for Central Asia



New hydrology forecast models: SWIM and MODSNOW



New models for crop yield and water reservoir forecasting



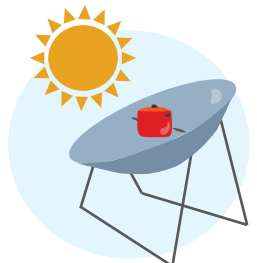
Climate change training and curricula for universities



Farmers trained in climate-smart methods and technologies



Regional networks of NGOs, academia and parliamentarians on climate change



Small-scale climate technologies demonstrated and distributed by NGOs



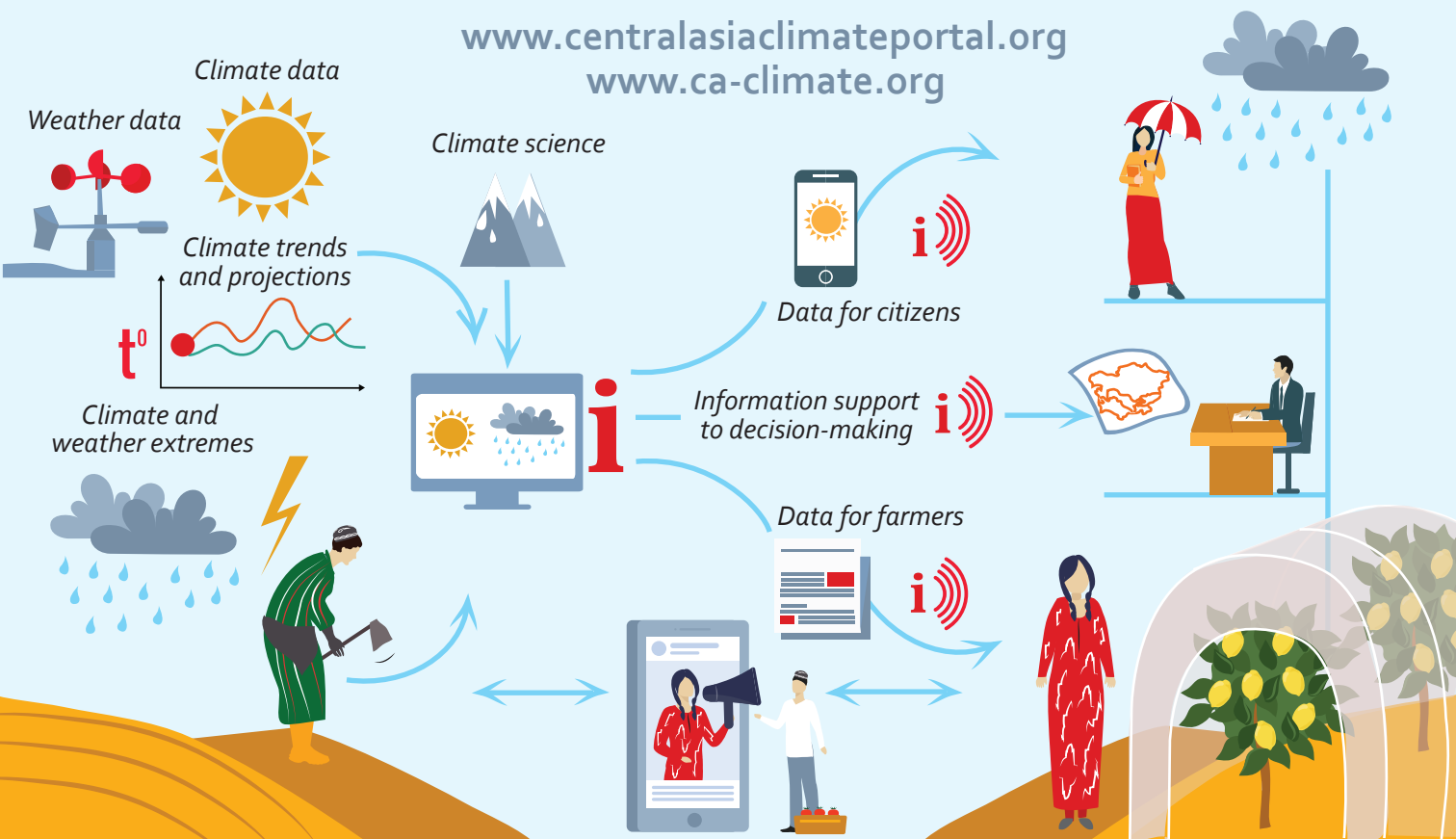
Methodology on climate criteria and evaluation of loans for banks and micro-finance



Photo, poster and best practice competitions, media tours

## Regional climate information portals

[www.centralasiacclimateportal.org](http://www.centralasiacclimateportal.org)  
[www.ca-climate.org](http://www.ca-climate.org)



Practical weather and climate information for local and regional users

Methodologies, assessments, best practices

Maps, news, bulletins for decision makers and practitioners

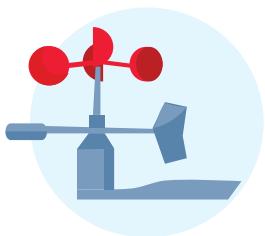
# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Regional activities



Regional climate information platform



Modernization of weather and climate monitoring systems



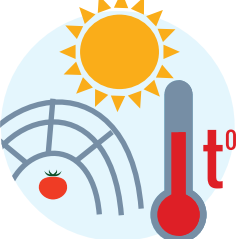
Development of methodologies and tools for climate assessments



Development of information products on climate knowledge



Skills and science development



Climate investment assessment mechanism



Outreach and coalition building



Coordination and management

### Funding sources and allocations

Green Climate Fund



Kazakhstan



Kyrgyz Republic



Turkmenistan



Tajikistan



Uzbekistan

Financial instrument

loan

grant

technical and other input

Co-financing and contributions from governments and beneficiaries



# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Accomplishments in Tajikistan

- PROJECT MANAGEMENT UNIT: Ministry of Finance of the Republic of Tajikistan
- NATIONAL COORDINATION UNIT: Committee for Environmental Protection under the Government of the Republic of Tajikistan



Hydromet training facilities



Monitoring devices and computers



National glossary on climate, hydrometeorology and water management

100%

Satisfaction rate

Small greenhouses, gardening, dried fruits, livestock and seeds



38 300  
Total number of beneficiaries

50%  
of whom are women



19 300  
New jobs



US\$ 7.7 mln

US\$ 1.5 mln

Contribution from beneficiaries



150  
training and awareness-raising events

12 300 ha

Overall area of sub-projects

### Accomplishments in Uzbekistan

- PROJECT MANAGEMENT UNIT: Rural Restructuring Agency under the Cabinet of Ministers of the Republic of Uzbekistan
- NATIONAL COORDINATION UNIT: Hydromet Service under the Cabinet of Ministers of the Republic of Uzbekistan



Automated meteorological stations



Mobile environmental laboratories



Improved weather forecasts and water assessments

100%

Satisfaction rate



650  
New jobs

46%  
of whom are women



US\$ 12.6 mln

US\$ 350 000

Average size of sub-loan



50  
training and awareness-raising events

US\$ 8 mln

Contribution from beneficiaries

Large greenhouses, dry fruit production and farms

340 ha

# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Central Asia climate change conferences and major events

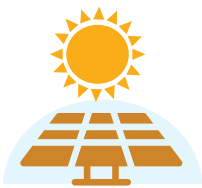
#### Almaty 2018 and 2019



Climate financing



Climate science



Climate technologies



Global climate trends



Climate information and knowledge



Meeting between representatives of foreign affairs, members of parliaments



Meetings of the scientific community



Meetings for winners of student competition



Regional training for mass media



Press conferences

#### 400 participants

For the first time a delegation of the Intergovernmental Panel on Climate Change (IPCC) visited Central Asia in 2019 and CAREC received observer status in 2020.



#### Tashkent 2019



Climate services and information



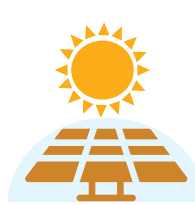
Climate financing



Climate change impact in Central Asia



Global climate policy and national commitments



Exhibition of climate technologies

#### 400 participants

Pre-conference sessions:



Micro-loans for adaptation



Education and climate



Youth and climate



#### Online format 2020



Climate impacts and policy making process in times of COVID-19



Financing climate change actions



Science and research perspectives



Climate-related information and knowledge

Virtual meetings in light of the COVID-19 restrictions

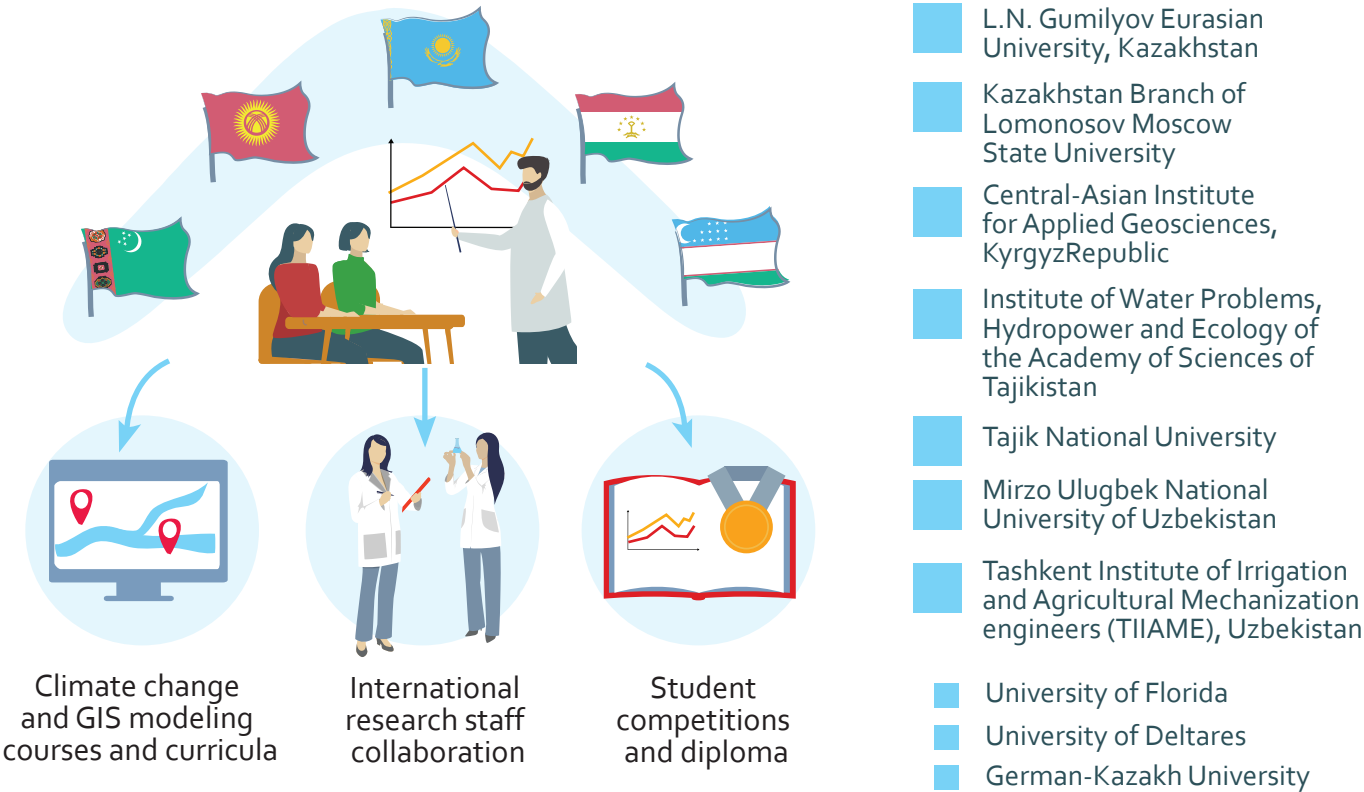


# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Regional networks established and promoted by the programme

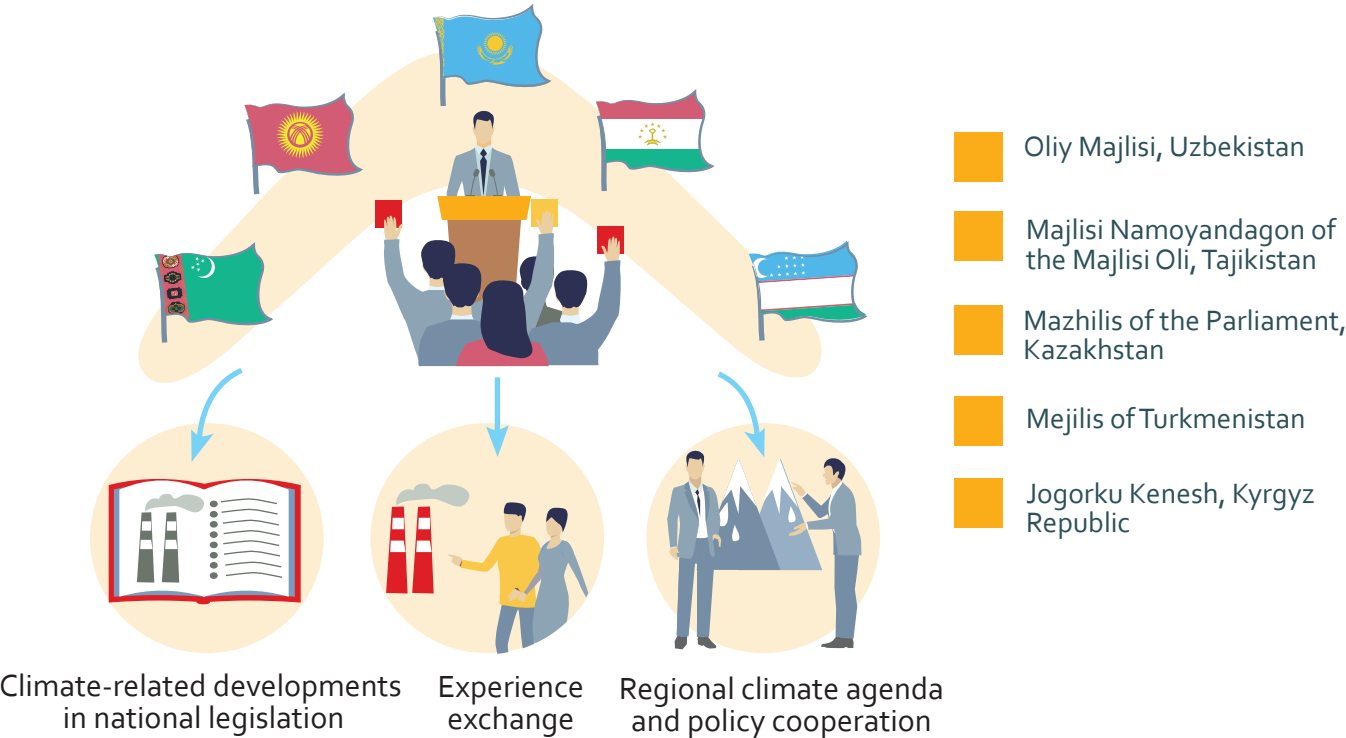
#### Academia



#### Youth and civil society organizations and networks



#### Policymakers, diplomats and parliamentarians



# Regional Environmental Centre for Central Asia

## Climate Adaptation and Mitigation Programme for the Aral Sea Basin (CAMP4ASB)

### Timeline and milestones

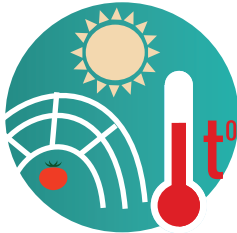
2020



Regional position and visibility of Central Asia at UNFCCC CoP-26



Mobilization of additional resources



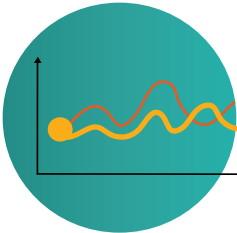
Finalization of national climate investment programmes



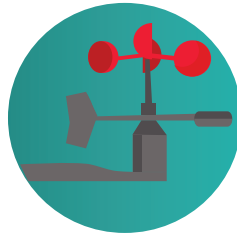
Finalization of the regional climate information portal (CACIP)



Regional climate assessments and methodology



Knowledge products



Climate monitoring equipment procurement (57 stations)

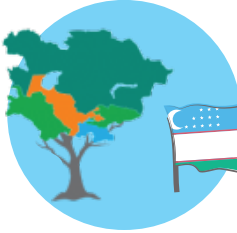


Extensive training programme on modeling, forecasts, academic curricula

2019



30 thematic training events and study tours



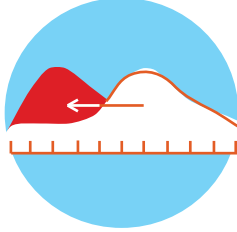
Tashkent regional climate change conference



Joint side event with IPCC and ICIMOD at UNFCCC CoP-25



3 regional networks of NGOs, academia and parliamentarians established



MODSNOW, SWIM and other models introduced to forecasting and hydrology practices



Methodology for assessment of local climate investments

2018

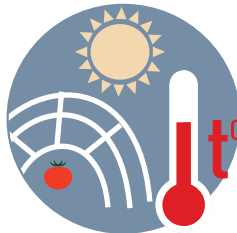
2017



Initial regional studies and tenders



Almaty regional climate change conference



Start of the national project components (climate investments) in Tajikistan and Uzbekistan

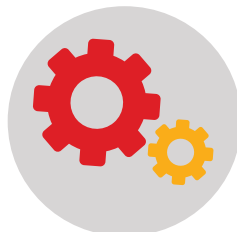
2014

2015

2016



Central Asia climate knowledge forum



Project formulation and consultations

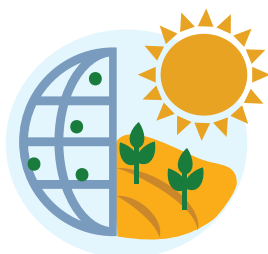


Project approval and start of implementation

# Regional Environmental Centre for Central Asia

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(CAMP4ASB)

## Central Asia climate information platform - CACIP



Designed by ICARDA, integrating global databases and local field knowledge



Tailored to user needs and expectations



Automated data harvesting and manual upload functions



Multilingual, modular, expandable, adjustable

## Menu and contents



## Potential areas of application



Farming, land and water use decisions



Science and research projects, student activities



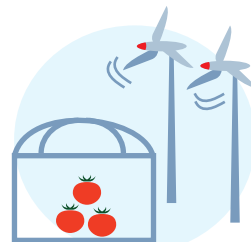
Regional experience exchange, access to global platforms



Online library of meeting materials, reports, videos, maps and visuals



Regional climate trends and action tracking and policymaking



Climate investments opportunities

## Other important sources of climate information



National Hydrometeorological Services



World Meteorological Organization and its global climate centers



Climate science



Climate policy & reporting

→ [kazhydromet.kz](http://kazhydromet.kz) → [meteo.gov.tm](http://meteo.gov.tm)

→ [seakc.meteoinfo.ru](http://seakc.meteoinfo.ru)

→ [www.ipcc.ch](http://www.ipcc.ch)

→ [unfccc.int](http://unfccc.int)

→ [meteo.tj](http://meteo.tj) → [meteo.uz](http://meteo.uz) → [meteo.kg](http://meteo.kg)

→ [www.wmo.int](http://www.wmo.int)