



Central Asia
CLIMATE PORTAL



PHOTO: SANOBAR KHUDAYBERGENOVA

A HOME FOR CLIMATE INFORMATION IN CENTRAL ASIA

The Central Asia Climate Information Platform (CACIP) brings comprehensive and up-to-date climate information directly to the screens of stakeholders in Central Asia, free of charge.

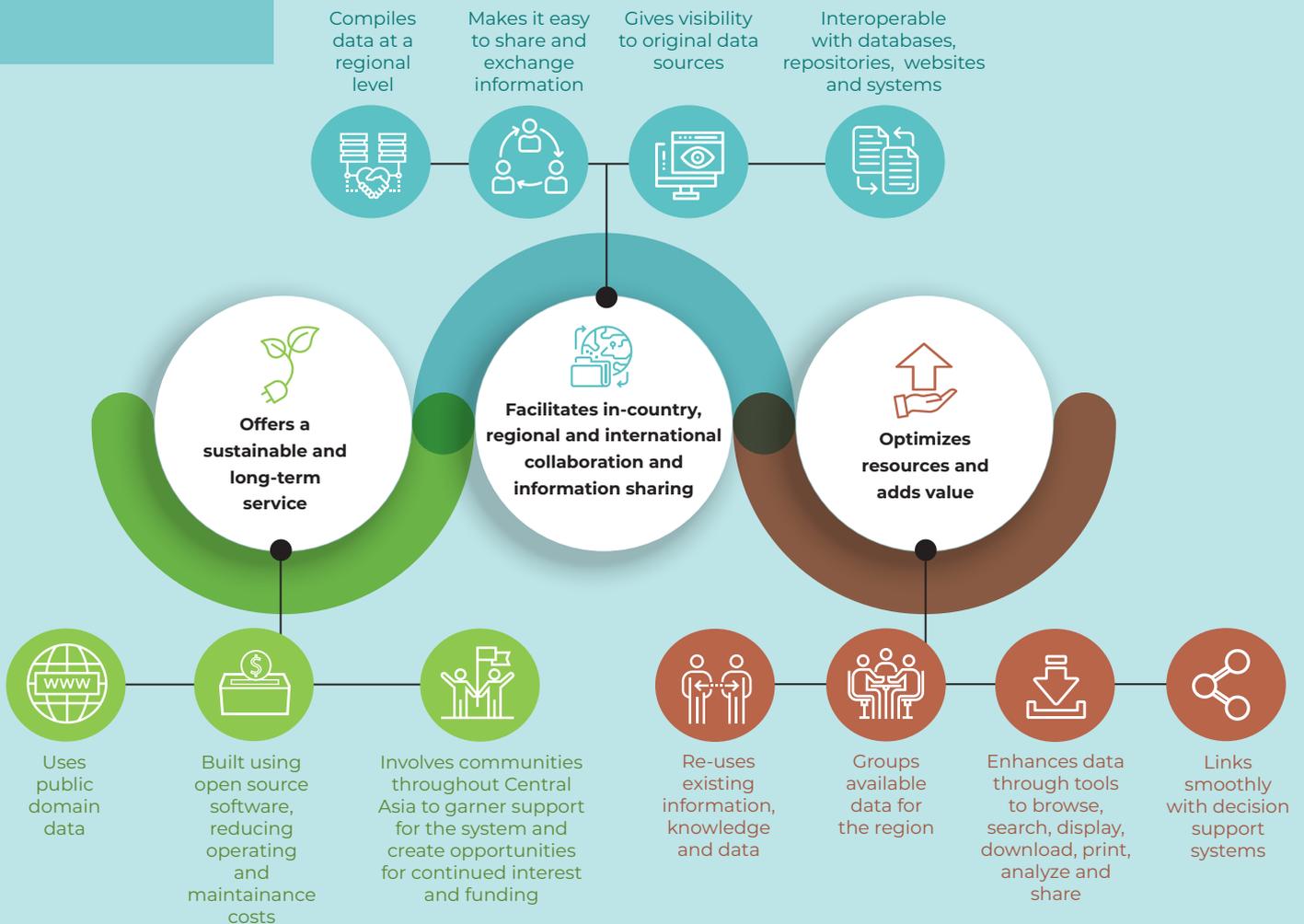
-  Draws in public data from local, regional and global sources, making it available in one central location.
-  Easily accessible from any computer or mobile device.
-  Collates and analyzes information.
-  Provides tools and interfaces for visualizing and interpreting data such as temperature, soil moisture and desertification.
-  Combines information from multiple sources, e.g. merging national level datasets to generate a regional perspective.
-  Analyzes trends and calculates future scenarios.
-  Transforms data into maps to create a visual result.

The platform allows many different users like policy makers, researchers and farmers to access and analyze a wide range of climate relevant information, supporting improved awareness, assessment and decision-making.

CACIP covers the five Central Asian countries, providing both a regional outlook and country specific information. CACIP is available in Russian and English. In later stages, CACIP will include five Central Asian languages.



Enhancing data for a climate resilient future



Tailored for diverse users

CACIP has been carefully designed to suit a diverse set of audiences.



Decision makers from public and private sectors can benefit from up-to-date and reliable information for planning and administration purposes, such as aggregated numbers, generated maps and analysis reports.



Researchers and organizations can benefit from a comprehensive collection of resources and data related to climate in Central Asia that can be discovered through advanced search tools. Data from the field can be uploaded.



Trainers can find a suite of printable training and educational materials in addition to webinars, tutorials and information on best practices.



Farmers can access local weather and environmental information plus short- and long-term forecasts.



Citizens can quickly access information on the current situation plus short- and long-term forecasts filtered by location. Infographics and data visualizations mean specialized knowledge is not required to use the portal.

Users can access the platform either as a Guest or a Registered User.

- **Guests** do not need to create an account and can browse and download unlimited resources from the Knowledge Hub.
- **Registered Users**, in addition to guest level access, can upload documents and datasets to the Knowledge Hub and participate in the discussion forum, where individuals from different backgrounds can interact.

Navigating the platform

Four distinct sections make navigating the platform and finding information quick and easy.



Website: main entry point displaying climatic overview, recent news, blogs, social media feeds, and more. From here, users can navigate to other areas of the platform.



Knowledge Hub: digital library that collects and displays a variety of documents such as journal articles, reports, training materials, multimedia, infographics, spatial and statistical data, and more.



Geo Portal: collects, manages and displays geospatial data and allows select types of analytics. Users can upload data from the field directly.



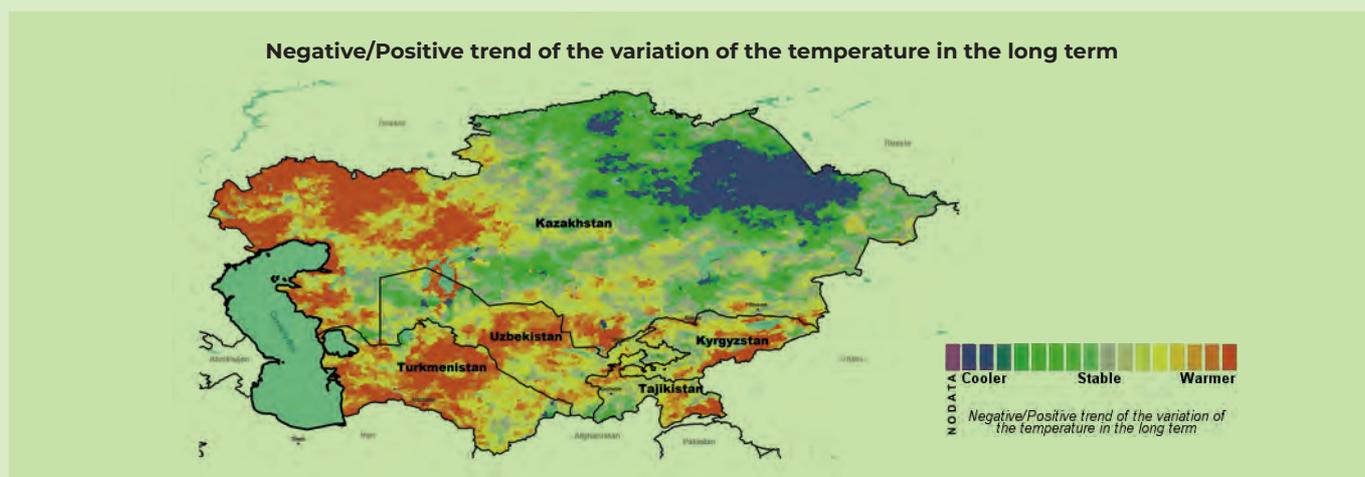
Discussion forum

PHOTO: MICHAEL MAJOR, CROP TRUST

The Geo Portal is home to the **GeoExplorer**, an interactive tool for searching, composing and publishing maps and layers. Users can query the spatial data and the information linked to the geographical features, select different layers, overlap information and more. It features interactive tables of source data.

GeoExplorer includes data from **MODIS satellite images** of the Central Asia region, including vegetation index and surface temperature. This high-quality data is checked by NASA and is available from 2000 until today in near real-time (one-month processing time).

GeoExplorer can be accessed through the browser and from a GIS desktop application.



Key features



Data

The platform contains a host of data on climate change, soils, land degradation, local weather and more, including:

- Greenhouse gas emissions
- Soil moisture
- Soil carbon density
- Temperature
- Precipitation
- Historical climate statistics
- Weather forecasts
- Vegetation indices



Search filters

Advanced search filters by topic, type and geography.

Topic E.g. water management, climate change, risk assessment, food security, sustainable agroecosystems, land degradation.

Type E.g. maps, datasets, training materials, reports, case studies, atlases, news, events.

Geography Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan, International.



Data and information sources



THE CENTRAL ASIAN INSTITUTE FOR APPLIED GEOSCIENCES

KYRGYZSTAN DISASTER RISK DATA PLATFORM

NATURAL RESOURCE GOVERNANCE INSTITUTE

MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC

NASA - MODIS SATELLITE DATA

NASA - SOIL MOISTURE ACTIVE PASSIVE

NATIONAL STATISTICAL COMMITTEE OF KYRGYZSTAN

AGENCY FOR LAND RECLAMATION AND IRRIGATION OF REPUBLIC OF TAJIKISTAN

PROTECTED PLANET

FAO GEONETWORK



NATIONAL SNOW AND DATA CENTER



WORLD BANK - OPEN KNOWLEDGE REPOSITORY

WMO - WORLD WEATHER INFORMATION SERVICE

NASA - FIRE INFORMATION FOR RESOURCE MANAGEMENT SYSTEM

CLIMATE ACTION NETWORK OF KYRGYZSTAN

THE GLOBAL FACILITY FOR DISASTER REDUCTION AND RECOVERY

CENTER OF HYDROMETEOROLOGICAL SERVICE OF THE REPUBLIC OF UZBEKISTAN



Tools

Interactive tools allow users to interact with both the portal and the community behind it.

- Calendar of events
- Search tools
- Forums
- Blog
- Newsletters
- Social account feed
- Geospatial analysis

Governance and funding

CACIP is funded by the World Bank within the framework of Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB) of the Central Asia Regional Environmental Center (CAREC) and ICARDA (The International Center for Agricultural Research in the Dry Areas).

It is made up of a Consortium of concerned partners that seek to work in concert in order to address challenges related to climate change Information. Consortium approach means partners share the management and maintenance of the portal and each may contribute data. The CACIP Network includes the CACIP Consortium, CACIP Regional/National and its Institutional and Individual Members.

Contact details:

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