



Central Asia
CLIMATE PORTAL

CACIP Country Consultations Report

Brief summary

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Project: Central Asia Regional Climate Information Platform.



The main objective is the development a Central Asia Regional Information Platform which will help stakeholders to access, analyze, and visualize public-domain data to support improved awareness, assessment, and decision support. This is expected to make available comprehensive and up-to-date relevant data and information, linking with high-quality datasets (including time series and spatial information) from global, regional, and local sources, provide analytical tools and interfaces for the visualization and interpretation of data and information (e.g. mapping tools to layer data and map hotspots and areas at risk, screening tools, etc.).

For more information, please visit:

Main site: <https://mel.cgiar.org/projects/cacip>

AUTHOR:

Kanoatkhon Umurzokova

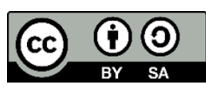
CO-AUTHORS:

Enrico Bonaiuti, Simone Maffei, Akmal Akramkhanov

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CACIP Country Consultations Report

Brief summary

Introduction

Central Asia Climate Information Platform (CACIP) will help stakeholders to access, analyse, and visualize public-domain data to support improved awareness, assessment, and decision support on climate change. This is expected to make available comprehensive and up-to-date relevant data and information, linking with high-quality datasets (including time series and spatial information) from global, regional, and local sources. The information platform includes five Central Asian countries: Kazakhstan, Tajikistan, Kyrgyzstan, Turkmenistan and Uzbekistan.

As an essential and interactive part of development process, the CACIP team visited Central Asian countries and conducted consultations with stakeholders including governmental, private, non-governmental, regional agencies, academia, and research institutes. The objectives of the consultations were to set the scene and discuss with stakeholders the platform from user and contributor perspective. This document gives comparative summary from consultations across all five countries based on outputs of questionnaire and feedbacks from discussions.

Results of the questionnaire

The below are aggregated statistics of responses to the questionnaires from five consultations. Total number of participants were 101, 62% of attendants responded to the survey questions.

There is a high interest in using CACIP platform per country with average of 64% among five countries. There is a high demand for training materials/best practices, case studies, models, tools and software. Though, general interest in using expert services (53%) and structured databases (45%) is lowest among other scores, there is substantial interest shown within some countries.

	C.A.	UZ	KZ	KG	TJ	TU
Interest as USER of CACIP	64%	72%	73%	59%	64%	60%
Do you think that it could be interesting if the Platform could provide a centralized access to the following information/data/services ?						
Question	Score					
Documents case studies papers	75%	89%	83%	68%	70%	68%
Training materials, best practices	77%	83%	78%	73%	77%	74%
Models, tools, software	71%	78%	83%	68%	70%	68%
General reports	59%	61%	61%	59%	53%	61%
Specific bulletins	56%	61%	56%	55%	50%	58%
Expert consultant services	53%	61%	67%	41%	53%	53%
Maps (ready format)	71%	83%	67%	55%	77%	63%
Access to spatial database (WMS, WFS, ...)	63%	78%	72%	64%	60%	58%
Raw spatial data (basic spatial files)	57%	61%	67%	59%	60%	50%
Structured databases	45%	56%	78%	41%	53%	32%
In general, are you interested in DATA	81%	89%	100%	82%	73%	79%
In general, are you interested in SERVICES	60%	67%	67%	45%	73%	53%

As a basic user of the platform, respondents put high attention to the climate change/long term forecasts, risk assessment and mapping. Lowest scores are allocated for reforestation/forest protection and smartphone services for end users, which in separate view have moderate to high scores in separate countries.



	C.A.	UZ	KZ	KG	TJ	TU
Selected FOCUSED AREAS (as BASIC USER)	43%	51%	70%	52%	36%	35%
As a basic user (please select only one as "very interested" (main interest), and if your main interest is not mentioned, you can write your choice in "other area of interest")						
Question	Score					
food and nutritional security	44%	50%	78%	45%	50%	34%
sustainable agroecosystems/mitigation	46%	50%	83%	55%	40%	42%
risk assessment and mapping	48%	61%	78%	68%	30%	39%
land degradation/desertification	42%	50%	78%	45%	37%	37%
reforestation/forest protection	33%	44%	44%	36%	23%	29%
climate changes/long term forecast	57%	72%	89%	68%	40%	50%
socio-economic impact (*)	37%	44%	50%	50%	37%	24%
smartphone services to end users	32%	33%	61%	45%	30%	24%

There are similarities in areas of interest between basic user and policy maker preferences. In both cases consolidated statistics shows low interest in reforestation and smartphone services. The acute topics are climate change and long term forecast both for users and policy makers.

	C.A.	UZ	KZ	KG	TJ	TU
Selected FOCUSED AREAS (as POLICY / DECISION MAKER)	33%	42%	13%	32%	31%	26%
As a basic user (please select only one as "very interested" (main interest), and if your main interest is not mentioned, you can write your choice in "other area of interest")						
Question	Score					
food and nutritional security	40%	56%	39%	32%	37%	34%
sustainable agroecosystems/mitigation	37%	39%	11%	36%	37%	34%
risk assessment and mapping	35%	56%	22%	32%	33%	18%
land degradation/desertification	30%	33%	0%	36%	27%	26%
reforestation/forest protection	25%	33%	0%	32%	20%	16%
climate changes/long term forecast	42%	50%	17%	32%	30%	50%
socio-economic impact (*)	30%	44%	0%	27%	40%	11%
smartphone services to end users	22%	22%	11%	27%	27%	16%

The readiness to contribute to CACIP is 34% among five countries, however, this average is triggered down by low scores on contributing API documents and geographical data, WMS and WFS server data. Interest in being a user of the platform is between 82% to 32% country specific.

	C.A.	UZ	KZ	KG	TJ	TU
Interest as CONTRIBUTOR to CACIP	34%	47%	31%	42%	28%	22%
Are you available to contribute to CIP in the following ways?						
Question	Score					
Basic user: user of the platform	57%	78%	67%	82%	47%	32%
Basic user: join the forums	43%	67%	56%	36%	40%	26%
Basic user: use documents and training materials	68%	78%	67%	82%	67%	53%
Basic user: use models, tools, software	60%	89%	67%	82%	47%	32%
Data provider: allowing the permanent upload on CIP	22%	33%	22%	27%	27%	5%
Data provider: allowing live link to your published data	37%	67%	22%	36%	20%	21%
Data provider: API for documents	5%	0%	0%	9%	13%	0%
Data provider: WMS server	8%	11%	0%	18%	7%	0%
Data provider: WFS server	5%	11%	0%	9%	0%	0%
Data provider: API for geographical data	10%	11%	0%	18%	7%	5%
Promoters: promoting the use of the CACIP among colleagues, clients, partners	49%	67%	56%	45%	53%	32%
Promoters: do you want to promote for forum?	30%	33%	0%	36%	13%	37%
Promoters: do you want to promote for documents?	33%	33%	0%	45%	33%	26%
Promoters: do you want to promote for maps?	38%	56%	56%	45%	20%	32%
Promoters: do you want to promote for data?	44%	67%	56%	64%	20%	32%

In average 51% of total respondents expressed interest in actively contributing to the platform as an expert member of the team. 62% of respondents would want to join the team as an individual and 40% of respondents see feasible to cooperate in an institutional level.

	C.A.	UZ	KZ	KG	TJ	TU
Interest to be PART OF THE TEAM	51%	53%	50%	52%	55%	46%
Do you want to contribute as an expert member or active contributor (your name/institution listed/acknowledged in the portal) ?						
Question	Score					
At individual level	62%	67%	44%	64%	60%	58%
At institutional level	40%	39%	56%	41%	50%	34%



The interest in using specific geographic data is comparatively low (17%). The interest in providing geographic data is 9%. The more detailed aggregation of types of data can be found in each country reports.

	C.A.	UZ	KZ	KG	TJ	TU
Interest for USING specific GEOGRAPHICAL DATA	17%	33%	29%	20%	10%	6%
Are you interested on new products, not available now, with a set of information and numerical data related to the climate change in Central Asia?						
Interest for PROVIDING specific GEOGRAPHICAL DATA	9%	20%	8%	13%	2%	1%
Are you interested on new products, not available now, with a set of information and numerical data related to the climate change in Central Asia?						

The interest in using specific knowledge data slightly higher than interest in using geographic data.

	C.A.	UZ	KZ	KG	TJ	TU
Interest for USING specific KNOWLEDGE DATA	23%	44%	28%	23%	17%	9%
Are you interested on new products, not available now, with a set of information and numerical data related to the climate change in Central Asia?						
Question	Score					
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	24%	44%	44%	27%	13%	11%
SLM practices and methodologies	21%	44%	22%	18%	20%	0%
Projects on CC Adaptation Mitigation	24%	44%	22%	18%	20%	11%
News	25%	44%	22%	27%	13%	16%
Interest for PROVIDING specific KNOWLEDGE DATA	13%	28%	6%	20%	5%	0%
Are you interested on new products, not available now, with a set of information and numerical data related to the climate change in Central Asia?						
Question	Score					
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	13%	22%	0%	27%	7%	0%
SLM practices and methodologies	11%	22%	11%	18%	7%	0%
Projects on CC Adaptation Mitigation	14%	33%	0%	27%	0%	0%
News	13%	33%	11%	9%	7%	0%

Summary of stakeholders' feedbacks based on discussions

Key areas mentioned by stakeholders during the discussions are given below by themes.

Content and Data Sources

- Digitalisation, systemisation and automation of data flow to the repository. Possibility to rate ("like/dislike" as in social networks). Data exchange possibility with other countries.
- Data in demand:
 - provide seasonal information frequent than quarterly. Short term and long-term forecasts (ex, 2050) to adapt to climate extremes.
 - Early warning system for farmers (ex, frost, rainfall directions).
 - Data for fishery sector (ex, fishery population forecast),
 - agrochemicals in soil,
 - sectoral indicators,
 - floods,
 - risk zones, calamities, drought monitoring,
 - livestock and pasture forecast,
 - water quality,
 - seasonal water level fluctuations,
 - demographic, economic, social, agricultural data,
 - governmental decisions (decrees, resolutions, and executive orders), legal documents and programs related to climate change adaptation,



- hydropower regimes, water deficit,
- food (productivity),
- energy, water flow/discharge Pyandj river,
- greenhouse emission, carbon fund matters (comprehensive and detailed),
- Indexing the data (ex, drought, global precipitation). Provide information on methodology and indicators/indices used.
- Damage assessment and insurance instruments (ex: crop insurance to drought, frost, index insurance etc).
- Paid and unpaid data from state agencies. Payment for primary data. Provide credible, reliable and expert data. Possibility to cross check data, validations. To ensure open access, access to Scopus and other databases.
- **Maps:**
 - good resolution maps of landscapes, farm locations, land cover.
 - spatial visualisation of risk zones,
 - pasture maps, grassland degradation,
 - topographic data (landslide, erosion mud streams etc.),
 - vector files,
 - detailed maps in street, district level.
- **Data sources:** Hydromet, aerospace agencies, ministries (agencies, departments) of agriculture, water management, environmental protection, meteorology, economy, finance, health as well as international and donor organizations: GIZ, FAO, ABD, WB, SDC, link to global databases,
- **Good practices:** to provide:
 - soil fertility,
 - crop yields,
 - overgrazing,
 - adaptation to climate extremes,
 - sustainable land management,
 - crop planning by area specifics.
- **Platform services:** Networking option in platform. Expert consultations. 24/7 support for data, forecasts, solutions, as well as interpretation of results. Training the analytical team. Guidelines for data contributors,
- Legal base for importing/exporting, data sharing agreements. Central Asian countries not in CAMP4ASB.

Users and Usage

- Paid and unpaid data. Reliable, credible information for decision makers,
- Open access. Disclaimer. Define user profiles. Users to group by needs. Target wide type of stakeholders. Interactive and possibility to give feedbacks.
- Not only raw data, but also analytical information. Tables, graphs, descriptive analysis.
- Define other engines and take relevant features tailored to Central Asia (ex, Google, Google Earth, Loss and Damage Assessment Methodology, Wikipedia, Tripadvisor). Mobile application.
- Define the geo-portal usage in terms of spatial data analysis and storage



- Tools and explanations to make use of platform easy for different stakeholders, special attention to the usability for farmers.
- Produce hand outs (brochures, leaflets, etc) to be spread to the farmers, producers, WUA etc. "Dummies" user guides.

Maintenance

- Platform ownership and Data/Information entry responsibilities. Short-long term Management plan. Admin and user rights in changing/editing. Different responsibilities of primary data contributor.
- Possible hosts: Mountain Research and Development Center at University of Central Asia in Bishkek. FAO, GIZ, CAREC, Hydromet, IFAS, responsible state agency.
- Cloud based (AWS). Android application use. Back up possibilities, business continuity.
- Knowledge management network among agencies. Permanent teams and linkages with global agencies (UNCCD, UNFCCC, etc).
- Possibility to use platform with no access to internet, work with mobile companies.
- Training the contributors to run the platform, as well as continuous upgrade.
- Awareness campaign for each Government in the domain of data sharing.