CACIP platform

Report on Farmers Consultation across countries
Uzbekistan Tajikistan

August, 2019

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:
https://mel.cgiar.org/projects/cacip
www.CentralAsiaClimatePortal.org

AUTHOR:
Kanoatkhon Umurzokova

CO-AUTHORS:
Enrico Bonaiuti, Akmal Akramkhanov, Simone Maffei, Rustam Ibragimov

SUGGESTED CITATION

Kanoatkhon Umurzokova, Enrico Bonaiuti, Akmal Akramkhanov, Simone Maffei, Rustam Ibragimov (13/09/2019). Report on Farmers Consultation across countries Uzbekistan Tajikistan. International Center for Agricultural Research in Dry Areas (ICARDA): Beirut, Lebanon.

DISCLAIMER

Photo Credit: ICARDA

Contents

CACIP platform

Farmers Consultation across countries

Uzbekistan Tajikistan

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. 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 overlay data and delineate hotspots and areas at risk, screening tools, etc.).

It is important to conduct the Round Tables with farmers in conceptualising CACIP. Meetings were planned as part of an approach to develop the platform. The following national workshops with farmers were planned and conducted in Central Asian countries:

- August 19, 2019 – Yangiyul, Uzbekistan
- August 26, 2019 – Khujand, Tajikistan

Objectives of the workshop

The overarching objectives of the CACIP were to set the scene and discuss about the platform with stakeholders with following objectives:

- Brief introduction of the project and platform;
- Discuss platform concept, design framework and main building blocks;
- Assess the needs of the platform and its application from the end user's segments;
- Assessment of data and information available and possibility to have a sample for different datasets/information available to start piloting;
- Learn about needs and services expected from the platform; (what products/info/services stakeholders would like to obtain or access on the platform?)
- Participation process and sustainability plan;
- To build partnerships for collaboration and exchange of the data (list of stakeholders to develop their profile to include in CACIP in Annex 2 & 4);

Farmers consultations

Uzbekistan

Date, Venue and Agenda

The round table took place on 19 August 2019 at the District Office of the Council of Farmers in Yangiyul disctrict, Tashkent province of Uzbekistan.

The agenda of the meeting attached as Annex 1. The list of invited organizations and participants can be found in Annex 2.

ICARDA Team

The members of the team were Mr. Enrico Bonaiuti Team leader, Mr. Rustam Ibragimov Deputy Regional Coordinator and Mr. Akmal Akramkhanov Project Coordinator.

Figure 1 CACIP Platform Introduction

Summary of stakeholders' feedbacks based on discussions

Nineteen (19) farmers attended the Round Table Meeting from Yangiyul District Office Council of Farmers (Annex 2). They gave wide range of suggestions related to the usability, functioning of the Platform. The main messages taken from consultation are described below grouped in to themes.

Location based information

Farmers want to find reliable local climate data in the platform, while data must not be limited only to the region, but also include Central Asia, Russia and worldwide. They also interested in to find comparison data among regions, analysis of crop yields in comparison between Central Asian countries.

Mobility

One of the concerns of the farmers were on functionality of the platform in mass used outreach tools like TV, Messengers like Telegram, accessibility in mobiles.

Information from public services

Farmers show interest to find in platform the data provided from Ministry of Agriculture, Ministry of Water Resources and their research institutes, to work closely with Tashkent Institute of Irrigation and Agricultural Mechanization Engineers, Academy of Science, Scientific and Production Center of Agriculture.

Agricultural production

Output of discussions helped to map acute themes in demand for farmers related to the production.

They would want to find in platform botanical description of agricultural crops/plants, recommended crops to produce, seed production and crop rotation practices, crop diseases and pest related practices and crop insurance options.

The water productivity related topics are also in their interest. For instance, they want to have information on irrigation and drainage constructions, ground water table, water saving technologies.

Special attention also given to the soil properties. Soil fertility maps, soil types and identification tools, assessment of physical properties of soil in their lands.
Within the other topics of interest are provision of reliable weather forecast, salinity problems, introduction of new agricultural mechanization and innovations in agriculture.

Finance, Export

Farmers express their interest to know more about ways to increase their export potential and need in marketing of agricultural products.
Within the money matters, there were raised the question of financing the platform on a permanent basis.

Tajikistan

Date, Venue and Agenda

The Round table took place on 26 August 2019 at the Khujand city in Sug'd district of Tajikistan.

The agenda of the meeting is in Annex 3. List of participants can be found in Annex 4.

ICARDA Team

The members of the team were Mr. Enrico Bonaiuti Team leader, Mr. Rustam Ibragimov Deputy Regional Coordinator, Mr. Akmal Akramkhanov, Project Coordinator and Ms Kanoatkhon Umurzokova Research Fellow.

Summary of stakeholders' feedbacks based on discussions

Figure 2 CACIP Round table with farmers, Khujand, Tajikistan

26 (twenty-six) farmers attended the Round Table Meeting in Khujand, Tajikistan (Annex 4). They gave set of suggestions related to the usability of the Platform. The main messages taken from consultation are described below grouped in to themes.

Search functions

During the presentation, farmers expressed their preferences regarding interface and search functions of the platform. They preferred the main landing page to be light in terms of text. Several farmers want Search function yields list of results in an interface they used to see in Google and Yandex, as a list with links. They asked to include Voice search function.

Use of materials

Farmers explained how they usually deal with documents and video they find. Some of them download materials to read later, sometimes they take screen shot or print, if document is not convenient to read from screen.

Farmers sometimes save videos they directly search in Youtube.

Overall message from farmers were to adapt the platform for farmers by avoiding "scientific look" and heavy load of text.

Agricultural production

Main interest of farmers were various types of maps they could find in platform. They need soil, irrigation and underground water flow, hydrogeological maps.

They also look for water supply related information. They usually search data about fertilizers, cotton cultivation, agrotechnical, weather heats, water shortage, pests.

Information from public services

The need on passing through the data of scientific institutes to the farmers by platform was discussed. Farmers can take consultations in person at the local branches of scientific institutes. They also prefer to receive their bulletins and services online. As well as access to the spatial database of state organizations.

Figure 3 CACIP Round Table with Farmers, Khujand, Tajikistan

Results of the questionnaire

As part of workshop short questionnaire was distributed among participants to learn about their interests and expectations in different areas of climate information platform. Questionnaire is presented in Annex 5, major focus to infer was about:

- information to have by participants or to share by them;
- data either available or accessible or required;
- services that platform can provide;
- knowledge and analytical tools and materials that one expects to receive or to provide.

Analysis of the questionnaire

The results of the survey have been summarized and presented in tabular format. To make easier the comparison of the results between different sections, a summarized score for each question has been calculated. To calculate the "score" for each item different weights have been assigned to the answers ("0" to "no interest", "0.5" to "some interest", "1" to "very interested").
The following tables present the results for each question.

How to read the table (hints useful for all sections)

Bold black values are the highest scores. **Bold red values** show the answers considered less interesting. The percentages in the first row show an aggregated "average interest" for the whole section.

Sections related to the CACIP from the USER point of view

Interest as USER of CACIP				55%
Do you think that it could be interesting if the Platform could provide a centralized access to the following information/data/services ?				
Question	Answer			
	No interest	Some interest	Very interested	Score
Documents case studies papers	2	3	8	73%
Training materials, best practices	2	3	10	**88%**
Models, tools, software	6	4	3	38%
General reports	7	4	2	31%
Specific bulletins	2	4	4	46%
Expert consultant services	1	4	8	77%
Maps (ready format)	1	2	10	**85%**
Access to spatial database (WMS, WFS, ...)	3	2	7	62%
Raw spatial data (basic spatial files)	2	4	7	69%
Structured databases		6	2	38%
In general, are you interested in DATA			1	**8%**
In general, are you interested in SERVICES			6	46%

The most interested topics are **training materials and maps**. But also, **expert consultant** services are very high compared to the surveys made during the national consultations. The general interest for CACIP is not too much high (55%), lower than the one obtained during the national consultations. The results show a **clear difference on the typology of the participants to the survey**:

- farmers are **very interested in practical support in their daily activities** (training materials, best practices, expert consultant services)

- farmers are **not interested in raw data**

Interest for USING specific GEOGRAPHICAL DATA			21%
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		Answer	
		to USE	Score
HISTORICAL DATA (TIME SERIES)			
Hydrological databases on river basins		3	23%
Climate induced natural disaster		4	**31%**
Historical climate variability			
• **Temperature**		5	**38%**
• **Precipitation**		4	**31%**
• Lake/reservoir levels		2	15%
• Flows		2	15%
• **Evapotranspiration**			**0%**
• Glaciers		3	23%
• NDVI, EVI		2	15%
• Burned areas		2	15%
• Fire		2	15%
• Soil moisture		3	23%
Climate characterization			
• Monthly temperature (avg, min, max)		3	23%
• Precipitation		3	23%
• Bioclimatic variables		2	15%
CURRENT DATA			
Temperature		3	23%
Surface temperature		4	**31%**
Precipitation		4	**31%**

FORECASTS				
Short term forecasts				
• Temperature			4	**31%**
• Precipitation			4	**31%**
• Snow water equivalent			2	15%
• Snow melt			2	15%
• Stream flows			2	15%
Seasonal weather forecasts			4	**31%**
Long term climate projections			3	23%
PHYSICAL CHARACTERISTICS				
Land cover				
• Cover type			2	15%
• Glaciers/snow cover			3	23%
• Cropland			5	**38%**
• Irrigated areas			4	**31%**
• Crops and crop types			3	23%
• Tree cover change			2	15%
Field data (such as crops, rotation)			3	23%
Soil map			4	**31%**
Soil carbon density			4	**31%**
Global aridity index			1	**8%**
Potential Evapotranspiration			1	**8%**
OTHER RELEVANT DATASETS				
Agricultural productions			3	23%
Spatial production allocation mode 2000, 2005, 2010 (SPAM)			2	15%
Land degradation and desertification			3	23%
Monitoring locations				
• Snow			2	15%
• Climate			2	15%
• Water levels			3	23%
• Flows			2	15%
• Water quality			3	23%
• Water divisions			2	15%
GENERAL DATA				
Topography			2	15%
Drainage			3	23%
Basins, watersheds, major aquifers			2	15%
DEM			2	15%
Administrative boundaries			2	15%
Basic infrastructures			2	15%
Protected areas			2	15%

The interest for geographical data seems to be quite low, but this section of the survey was at the end of the form, and also it is quite long, then it may have been penalized. In any case **the main interest concerns on meteorological data and agriculture related information** (cropland, irrigated areas, soil maps, soil carbon density).

Interest for USING specific KNOWLEDGE DATA				23%

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	Answer	
	to USE	Score
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	3	23%
SLM practices and methodologies	2	**15%**
Projects on CC Adaptation Mitigation	3	23%
News	4	**31%**

The interest for knowledge base is quite low too, with the best score obtained by news. This **seems to confirm the preferences for "practical" and "daily" information** highlighted above.

Interest for NEW PRODUCTS				68%

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	Answer			
	No needed	Some interest	Very interested	Score
In general	1	2	10	**85%**
Information summarized at regional and country level		6	5	62%
Information updated systematically		4	7	69%
Information homogeneous on the whole region		5	6	65%
Information with an advanced visualization…		4	6	62%

The interest for new product is in line with the results of other surveys carried out in the region, and almost homogeneous for all the items.

Sections related to the CACIP from the CONTRIBUTOR point of view

In the following tables, the survey focuses on the interest of stakeholders to contribute to the CACIP platform, and the availability to become data provider of the platform.

Interest as CONTRIBUTOR to CACIP				26%
Are you available to contribute to CIP in the following ways?				

Question	Answer			
	Not available	Available	I don't know	Score
Basic user: user of the platform	1	9		**69%**
Basic user: join the forums	2	6		46%
Basic user: use documents and training materials	1	2	1	15%
Basic user: use models, tools, software	1	4	4	31%
Data provider: allowing the permanent upload on CIP	3	6		46%
Data provider: allowing live link to your published data	2	6	1	46%
Data provider: API for documents				**0%**
Data provider: WMS server				**0%**
Data provider: WFS server	1			**0%**
Data provider: API for geographical data	1			**0%**
Promoters: promoting the use of the CACIP among colleagues, clients, partners		7	3	**54%**
Promoters: do you want to promote for forum?		1		8%
Promoters: do you want to promote for documents?		1		8%
Promoters: do you want to promote for maps?		5		38%
Promoters: do you want to promote for data?		3		23%

In general the interest to participate to CACIP as contribute is quite low, with some exception related to the role of **promoters**. But this reflects the typology of participants to the surveys: farmers are mainly interested in using information. To be noted that also in the surveys carried out during the national consultations, Tajikistan produced the lowest score compared to the other countries.

As expected a fully null score relates with "more technological topics" (like interoperability interfaces: WMS, …).

Interest to be PART OF THE TEAM				25%
Do you want to contributem as an expert member or active contributor (your name/institution listed/acknowledge in the portal) ?				

Question	Answer			
	No	Maybe	Yes	Score
At individual level	3		4	31%
At institutional level	4	1	2	19%

The general score of this section is the **lowest compared to other surveys carried out during the national consultations.** Once again, this confirms the primary interest in using information distributed by CACIP rather than contributing to CACIP.

Interest for PROVIDING specific GEOGRAPHICAL DATA			8%
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	Answer	
	to PROVIDE	Score
HISTORICAL DATA (TIME SERIES)		
Hydrological databases on river basins	1	**8%**
Climate induced natural disaster		**0%**
Historical climate variability		
• Temperature		**0%**
• Precipitation	1	**8%**
• Lake/reservoir levels	2	**15%**
• Flows	2	**15%**
• Evapotranspiration	2	**15%**
• Glaciers	1	**8%**
• NDVI, EVI	1	**8%**
• Burned areas	1	**8%**
• Fire	1	**8%**
• Soil moisture	1	**8%**
Climate characterization		
• Monthly temperature (avg, min, max)	2	**15%**
• Precipitation	3	**23%**
• Bioclimatic variables	2	**15%**
CURRENT DATA		
Temperature	1	**8%**
Surface temperature		**0%**
Precipitation		**0%**

FORECASTS				
Short term forecasts				
• **Temperature**			1	**8%**
• **Precipitation**			1	**8%**
• Snow water equivalent			2	15%
• Snow melt			2	15%
• Stream flows			2	15%
Seasonal weather forecasts				**0%**
Long term climate projections			1	**8%**
PHYSICAL CHARACTERISTICS				
Land cover				
• **Cover type**			1	**8%**
• **Glaciers/snow cover**				**0%**
• **Cropland**				**0%**
• **Irrigated areas**			1	**8%**
• **Crops and crop types**			1	**8%**
• **Tree cover change**				**0%**
Field data (such as crops, rotation)			2	15%
Soil map			1	**8%**
Soil carbon density			1	**8%**
Global aridity index				**0%**
Potential Evapotranspiration				**0%**
OTHER RELEVANT DATASETS				
Agricultural productions			1	**8%**
Spatial production allocation mode 2000, 2005, 2010 (SPAM)				**0%**
Land degradation and desertification				**0%**
Monitoring locations				
• **Snow**			1	**8%**
• **Climate**			1	**8%**
• **Water levels**			1	**8%**
• Flows			2	15%
• **Water quality**			1	**8%**
• **Water divisions**			1	**8%**
GENERAL DATA				
Topography			2	15%
Drainage				**0%**
Basins, watersheds, major aquifers			3	23%
DEM			2	15%
Administrative boundaries			2	15%
Basic infrastructures			2	15%
Protected areas			1	**8%**

A very low scores is shown for the availability (or the possibility) to provide to CACIP geographical and knowledge data (see the table below).

Interest for PROVIDING specific KNOWLEDGE DATA		10%

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	Answer	
	to PROVIDE	Score
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	2	15%
SLM practices and methodologies	2	15%
Projects on CC Adaptation Mitigation	1	8%
News		**0%**

Sections related to general preferences and interests

The two tables below describe the interest of the participants to the surveys for some topics related to the climate change.

The scores are homogeneous, but in general higher than the ones obtained during national consultations. It is confirmed a general very low score for reforestation and forest protection: almost all surveys made in the whole region show this very low interest for this topic.

Selected FOCUSED AREAS (as BASIC USER)			67%

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 "othe

Question	MEN			
	No needed	Some interest	Very interested	Score
food and nutritional security		4	8	**77%**
sustainable agroecosystems/mitigation		7	5	65%
risk assessment and mapping		6	6	69%
land degradation/desertification	1	5	6	65%
reforestation/forest protection	2	4	5	**54%**
climate changes/long term forecast		6	7	**77%**
socio-economic impact (*)	2	4	6	62%
smartphone services to end users		5	6	65%
other…				

Selected FOCUSED AREAS (as POLICY / DECISION MAKER)				53%

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 "othe

Question	Answer			
	No needed	Some interest	Very interested	Score
food and nutritional security		3	6	58%
sustainable agroecosystems/mitigation		4	6	**62%**
risk assessment and mapping	1	4	4	46%
land degradation/desertification		6	3	46%
reforestation/forest protection	1	3	4	**42%**
climate changes/long term forecast		4	6	**62%**
socio-economic impact (*)		3	6	58%
smartphone services to end users	1	1	6	50%
other…				

Major highlights from questionnaire

In the following table, the summarized scores for each section are listed.

Interest as USER of CACIP	55%
Interest for USING specific GEOGRAPHICAL DATA	21%
Interest for USING specific KNOWLEDGE DATA	23%
Interest for NEW PRODUCTS	**68%**
Interest as CONTRIBUTOR to CACIP	26%
Interest to be PART OF THE TEAM	25%
Interest for PROVIDING specific GEOGRAPHICAL DATA	**7%**
Interest for PROVIDING specific KNOWLEDGE DATA	**10%**
Selected FOCUSED AREAS (as BASIC USER)	**67%**
Selected FOCUSED AREAS (as POLICY / DECISION MAKER)	53%

Based on the stakeholder interest survey, we found that farmers are mainly interested in:

- **training materials** and **expert consultant services**, ready to be used in practical situations, or to disseminate such information

The **interest for raw data is null**.

The most interesting information relate with:

- **meteorological data**

- **agriculture**

From the analysis of the general interest for focused areas, it is interesting to highlight that:

- **the lowest score is the one of reforestation and forest protection**

In general, the interest in participating to CACIP as contributor is quite low, with some exception related to the role of **promoters**.

Annex 1 Workshop agenda: Farmers Round table, Yangiyul, Uzbekistan

Workshop agenda: Farmers Round table

Participants: Representatives of ICARDA and Council of Farmers, Dehkans and Household Plot Owners of Uzbekistan

Venue: Yaghy Yul District, Tashkent Region

Date: 19 August 2019

Objectives of the Round Table Meeting: Introduction to the establishment of the Central Asian Climate Information Platform within the Program of Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB), which aims to enhance regionally coordinated access to improved climate change knowledge services for key stakeholders (e.g., policy makers, communities, and civil society) in participating Central Asian countries as well as to increased investments and capacity building that, combined, will address climate challenges common to these countries.

Time	Agenda Item
14.00 – 14:20	**Welcome and Opening Remarks** Mr. Mirzokhid Yuldashev – Director, Center for Agricultural Information and Innovation, Council of Farmers, Dehkans and Household Plot Owners of Uzbekistan Dr. Ram Sharma – Regional Coordinator, ICARDA-CAC
14.20 - 15.20	Mr. Enrico Bonaiuti **–** Objectives of the Central Asian Climate Information Platform within the Program of Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB)
15.20 - 17.00	Discussion
17.00 - 17.30	Questions and Answers

Annex 2 List of participants Farmers Round table, Yangiyul, Uzbekistan

List of Farmers participated in the Round Table Meeting on 19 August 2019 in Yangiyul district, Tashkent Region

Personal Data have been removed in Accordance with the EU General Data Protection Regulation (EU GDPR).

Annex 3 Workshop agenda: Farmers Round table, Khujand, Tajikistan

Round Table Meeting

The Establishment of the Central Asian Climate Information Platform (CACIP)

Participants: Representatives of ICARDA, Tajik Academy of Agricultural Sciences, Sugd Regional Office of the National Association of Dehkans (Farmers) of Tajikistan, farmers and agricultural producers

Venue: Khujand, Sugd Region, Tajikistan

Date: 26 August 2019

Objectives of the Round Table Meeting: Introduction to the establishment of the Central Asian Climate Information Platform within the Program of Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB), which aims to enhance regionally coordinated access to improved climate change knowledge services for key stakeholders (e.g., policy makers, communities, and civil society) in participating Central Asian countries as well as to increased investments and capacity building that, combined, will address climate challenges common to these countries.

Time	Agenda Item
10.00 – 10:20	**Welcome and Opening Remarks** Prof. Saidjamol Saidzoda – Vice-President, Tajik Academy of Agricultural Sciences Mr Rustam Ibragimov – Deputy Regional Coordinator, ICARDA-CAC Representative of Sugd Regional Office of the National Association of Dehkans (Farmers) of Tajikistan
10.20 - 11.00	Mr. Enrico Bonaiuti and Mr Akmal Akramkhanov – Objectives of the Central Asian Climate Information Platform within the Program of Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB)
11.00 - 11.20	Coffee break
11.20 – 12.00	Discussion
12.00 – 13.00	Questions and Answers
13.00 - 14.30	Lunch

Annex 4 List of participants Farmers Round table, Khujand, Tajikistan

Personal Data have been removed in Accordance with the EU General Data Protection Regulation (EU GDPR).

Annex 5 Questionnaire for informative survey

CENTRAL ASIA CLIMATE INFORMATION PLATFORM

INFORMATIVE SURVEY

INSTITUTION, ORGANIZATION

Name _____   Email _____

Organization _____

Address _____

_____

YOUR INTEREST ON CONTENTS (EXPECTATIONS FROM CACIP)

Do you think that it could be interesting if the platform could provide a centralized access to the following information/data/services ?

Documents, case studies, papers	No interest ☐	Some interest ☐	Very interested ☐
Training materials, best practices	No interest ☐	Some interest ☐	Very interested ☐
Models, tools, software	No interest ☐	Some interest ☐	Very interested ☐
General reports	No interest ☐	Some interest ☐	Very interested ☐
Specific bulletins	No interest ☐	Some interest ☐	Very interested ☐
if interesting, with which interval update	Yearly ☐	Monthly ☐	Other_____
Expert consultant services	No interest ☐	Some interest ☐	Very interested ☐
Maps (ready format)	No interest ☐	Some interest ☐	Very interested ☐
Access to spatial DB (WMS, WFS, …)	No interest ☐	Some interest ☐	Very interested ☐
Raw spatial data (basic spatial files)	No interest ☐	Some interest ☐	Very interested ☐
Structured databases	No interest ☐	Some interest ☐	Very interested ☐
In general, are you interested in.....	DATA ☐	SERVICES ☐	BOTH ☐

YOUR INTEREST FOR "NEW" PRODUCTS

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?

In general	No needed ☐	Some interest ☐	Very interested ☐

Do you thing the following characteristics could be valuable for you?

Summarized at regional and country level	No interest ☐	Some interest ☐	Very interested ☐
Updated systematically	No interest ☐	Some interest ☐	Very interested ☐
Homogeneous on the whole region	No interest ☐	Some interest ☐	Very interested ☐
With an advanced visualization...	No interest ☐	Some interest ☐	Very interested ☐

Central Asia
CLIMATE PORTAL

YOUR FOCUSED AREA IN THE CACIP

Which of the following areas (groups) are of your interest?

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")

focus area 1: food and nutritional security	No interest ☐	Interested ☐	Very interested ☐
focus area 2: sustain. agroecosystems/mitigation	No interest ☐	Interested ☐	Very interested ☐
focus area 3: risk assessment and mapping	No interest ☐	Interested ☐	Very interested ☐
focus area 4: land degradation/desertification	No interest ☐	Interested ☐	Very interested ☐
focus area 6: reforestation/forest protection	No interest ☐	Interested ☐	Very interested ☐
focus area 7: climate changes/long term forecast	No interest ☐	Interested ☐	Very interested ☐
focus area 8: socio-economic impact (*)	No interest ☐	Interested ☐	Very interested ☐
focus area 9: smartphone services to end users	No interest ☐	Interested ☐	Very interested ☐

Other area of interest: _____

As a **policy / decision maker** (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")

focus area 1: food and nutritional security	No interest ☐	Interested ☐	Very interested ☐
focus area 2: sustain. agroecosystems/mitigation	No interest ☐	Interested ☐	Very interested ☐
focus area 3: risk assessment and mapping	No interest ☐	Interested ☐	Very interested ☐
focus area 4: land degradation/desertification	No interest ☐	Interested ☐	Very interested ☐
focus area 6: reforestation/forest protection	No interest ☐	Interested ☐	Very interested ☐
focus area 7: climate changes/long term forecast	No interest ☐	Interested ☐	Very interested ☐
focus area 8: socio-economic impact (*)	No interest ☐	Interested ☐	Very interested ☐
focus area 9: smartphone services to end users	No interest ☐	Interested ☐	Very interested ☐

other area of interest: _____

(*) it includes migration, health, economic performance, livelihoods, etc.

YOUR AVAILABILITY/INTEREST TO CONTRIBUTE TO CACIP

Are you available to contribute to CACIP in the following ways?

As a **basic user**

user of the platform	Not available ☐	Available ☐	I don't know ☐
join the forums	Not available ☐	Available ☐	I don't know ☐
use documents and training materials	Not available ☐	Available ☐	I don't know ☐
use models, tools, software	Not available ☐	Available ☐	I don't know ☐

your notes _____

As a **data and knowledge provider**

allowing the permanent upload on CACIP	Not available ☐	Available ☐	I don't know ☐
allowing the live link to your published data	Not available ☐	Available ☐	I don't know ☐

in case data available, what type of interface is available to access data and documents:

API ☐ if possible, please detail _____

(example: DataVerse API)

your notes _____

_____

in case, what type of interface is available to access your geographical data:

WMS server ☐ if possible, please detail _____

(example of sat image: https://www.gebco.net/data_and_products/gebco_web_services/web_map_service/mapserv?)

WFS server ☐ if possible, please detail _____

(example of dams in CA: http://ihp-wins.unesco.org/geoserver/wfs)

API ☐ if possible, please detail _____

(examples: GeoServer API, ArcGIS API, CartoDB API, MapQuest API, …)

your notes _____

_____

As **promoters and facilitators**
promoting the use of the CACIP among
your colleagues, clients, partners   Not interested ☐   Interested ☐   I don't know ☐

If interested, what would you like to find in the CACIP to make useful promoting the use of it

Forum ☐   Documents ☐   what kind: _____

Maps ☐   Data ☐   what kind: _____

your notes _____

_____

DO YOU WANT TO BE PART OF THE TEAM OF CACIP

As an **expert member or active contributor (your name/institution listed/acknowledge in the portal)**

At individual level   Yes ☐   No ☐   May be

At institutional level   Yes ☐   No ☐   May be

Do you have some ideas on how to actively contribute ?
(example: providing monthly data, creating bulletins and disseminating through the CACIP, linking your models to the CACIP and disseminating the outputs, linking many relevant documents to the CACIP from other portals, etc.)

_____

5 KEYWORDS FOR THE CACIP

What 5 keywords should the CACIP brand and logo represent (e.g. sustainable livelihoods, climate change, GHG emissions, etc.)

1) _____

2) _____

3) _____

4) _____

5) _____

WHAT GEOGRAPHICAL ELEMENTS AND COLOURS REPRESENT CENTRAL ASIA

If you were to visualize Central Asia, what geographical elements come to mind? (e.g. rivers,   mountains,   valleys,   etc.)

_____

_____

What two colours would you associate with a brand that represents Central Asia?

Color 1) _____   Color 2) _____

ONE-TO-ONE MEETING REQUEST

The day of the consultation workshop, would you be interested to have a one-to-one meeting with our team after the lunch time?   Yes ☐   No

USE OPEN SOURCE DATA OR PROJECT DERIVED WITHIN THE CACIP

The database of CACIP will include the most part of following open source data (the ones included are labeled, and the source is listed – **the list of included data is currently incomplete, a further investigation is in progress**). Are you interested in using them ? Or are you available to distribute your own via CACIP ? If you have any suggestion about source for not included data, or for additional sources, please put a hint.

GEOGRAPHICAL DATA

HISTORICAL DATA

Content	Included (temporarily)	Use	Provide	Hint
Hydrological databases on river basins		☐	☐	
Climate induced natural disaster		☐	☐	_____
Historical climate variability				
• Temperature (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	
• Precipitation (source https://pmm.nasa.gov/GPM)	X	☐	☐	_____
• Lake/reservoir levels		☐	☐	_____
• Flows		☐	☐	_____
• Evapotranspiration (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	_____
• Glaciers (source https://nsidc.org/)	X	☐	☐	_____
• NDVI, EVI (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	_____
• Burned areas (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	_____
• Fire (sources	X	☐	☐	_____

Your hint: _____

Current data

Content	Included (temporarily)	Use	Provide	Hint
Temperature		☐	☐	_____
Surface temperature (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	_____
Precipitation (source https://pmm.nasa.gov/GPM)	X	☐	☐	_____

Your hint: _____

Forecasts

Content	Included (temporarily)	Use	Provide	Hint
Short term forecasts				
• Temperature		☐	☐	_____
• Precipitation		☐	☐	_____
• Snow water equivalent		☐	☐	_____
• Snow melt		☐	☐	_____

- Stream flows ☐ ☐ _____
Seasonal weather forecasts ☐ ☐ _____
Long term climate projections ☐ ☐ _____

Your hint: _____

Physical characteristics

Content	Included (temporarily)	Use	Provide	Hint
Land cover				
• Cover type (sources https://www.esa-landcover-cci.org/ , https://modis.gsfc.nasa.gov/data/)	X	☐	☐	
• Glaciers/snow cover (source https://nsidc.org/)	X	☐	☐	_____
• Cropland (source https://modis.gsfc.nasa.gov/data/)	X	☐	☐	_____
• Irrigated areas (source http://www.fao.org/land-water/land/land-governance/land-resources-planning-toolbox/category/details/en/c/1029519/)	X	☐	☐	_____
• Crops and crop types		☐	☐	_____
• Tree cover change (source http://earthenginepartners.appspot.com/science-2013-global-forest)	X	☐	☐	_____
Field data (such as crops, rotation)		☐	☐	_____
Soil map		☐	☐	_____
Soil carbon density (source https://www.isric.org/explore/soilgrids)	X	☐	☐	_____
Global aridity index (source https://cgiarcsi.community/2019/01/24/global-aridity-index-and-potential-evapotranspiration-climate-database-v2/)	X	☐	☐	_____
Potential Evapotranspiration (source https://cgiarcsi.community/2019/01/24/global-aridity-index-and-potential-evapotranspiration-climate-database-v2/)	X	☐	☐	_____

Your hint: _____

Other relevant datasets

Content	Included (temporarily)	Use	Provide	Hint
Agricultural productions (source http://www.earthstat.org/)	X	☐	☐	
Spatial production allocation mode 2000, 2005, 2010 (SPAM) (source https://cgiarcsi.community/2019/01/04/global-spatially-disaggregated-crop-production-statistics-data-for-2010/)	X	☐	☐	_____
Land degradation and desertification (source http://geoagro.icarda.org/cldd/)	X	☐	☐	_____
Monitoring locations				
• Snow		☐	☐	_____
• Climate		☐	☐	_____
• Water levels		☐	☐	_____
• Flows		☐	☐	_____
• Water quality		☐	☐	_____
• Water divisions		☐	☐	_____

Your hint: _____

GENERAL DATA

Content	Included	Use	Provide	Hint
Topography (source https://www.diva-gis.org/)	X	☐	☐	_____
Drainage (source http://www.fao.org/geonetwork)	X	☐	☐	_____
Basins, watersheds, major aquifers (source http://www.fao.org/geonetwork)	X	☐	☐	_____
DEM (source https://cgiarcsi.community/data/srtm-90m-digital-elevation-database-v4-1/)	X	☐	☐	_____
Administrative boundaries (source https://gadm.org)	X	☐	☐	_____
Basic infrastructures (source https://www.diva-gis.org/)	X	☐	☐	_____
Protected areas (source https://protectedplanet.net/)	X	☐	☐	_____

Your hint: _____

KNOWLEDGE BASE

Content	Included	Use	Provide	Hint
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	X	☐	☐	_____
SLM practices and methodologies	X	☐	☐	_____
Projects on CC Adaptation Mitigation	X	☐	☐	_____
News	X	☐	☐	_____

Your hint: _____