

CACIP platform

Stakeholders Consultation Report, Uzbekistan



Tashkent, Uzbekistan June 11, 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 publicdomain 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: Simone Maffei

CO-AUTHORS:

Rustam Pulatovich Ibragimov, Akmal Akramkhanov, Chandrashekhar Biradar, Ram Sharma, Enrico Bonaiuti

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Dunyo bo'ylab national TV channel





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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 highquality 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.).

Consultation process with stakeholders in conceptualising CACIP is important and were planned as part of approach to develop the platform. The following national workshops (Annex 1) were planned and conducted in Central Asian countries:

- June 11, 2019 Tashkent, Uzbekistan
- June 14, 2019 Almaty, Kazakhstan
- July 11, 2019 Bishkek, Kyrgyzstan
- July 15, 2019 Dushanbe, Tajikistan
- September 9, 2019 Ashkhabad, Turkmenistan

Detailed coverage of consultation workshop in Tashkent, Uzbekistan has been aired on national television to introduce to a wider audience and stakeholders as well as to inform about the initiative to develop climate information platform. The video of the program can be viewed at the following link https://youtu.be/d1MIQjEmghM¹. Such broadcast media will facilitate information reaching to general public and help raising awareness about efforts by ICARDA and CAREC to address climate change issues in Central Asia.





Uzbekistan 24 Radio channel aired news story on the development of Central Asia Climate Information Platform with national stakeholders in Tashkent, Uzbekistan on 16 June, 2019. Reference can be found at the following link: https://soundcloud.com/user-929662669/uzbekistan-24-radio-coverage-of-cacipconsultation-workshop-in-tashkent.

On 16 June, 2019 the initiative was also promoted on Gazeta.uz (Uzbekistan) with reference available here: https://www.gazeta.uz/ru/2019/06/16/platform/, on New-Uzbekistan.ru with reference available here: http://newuzbekistan.ru/novosti-gazeta-uz/sozdanie-platformy-klimaticheskoj-informaczii-

¹ The Video was aired on 20 July, 2019 at Dunyo bo'ylab national TV channel of Uzbekistan during Yashil sayyora program.





obsudili-v-tashkente/ and on Narondoe Slovo Online with reference available here: <u>http://xs.uz/ru/15483</u>. The positive dissemination of results in the country were also promoted on Roshydromet with reference available here: <u>http://www.pfo.meteorf.ru/news/2019/czentralnoaziatskaya-klimaticheskaya-</u> <u>informaczionnaya-platforma.html</u>. ICARDA has also promoted the event both in English and Russian language on its regional site with references available here: <u>http://cac-program.org/news/detail/539</u> & <u>http://cacprogram.org/ru/news/detail/535</u>.

Objectives of the workshop

The overarching objectives of the CACIP were to set the scene and discuss about the platform with stakeholders (list of invited organizations and participants in Annex 2) 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 3);

Selection of the participants for consultation workshop

The stakeholders for the consultation workshop were selected with the objective of meeting the goal of the CACIP. The consultation workshop was organized with an aim at engaging those stakeholders who were directly or indirectly involved in or had interest in dealing with the effect of climate change in different ways such as environment, agriculture, health, investment, insurance, policy, research, extension and education sectors. Participants were invited from both public and private sectors as well as from donor agencies. The participants were invited to seek their inputs on the proposed CACIP and who would use and take ownership of the platform after its completion.

Multiple sources were used to identify the participants for the consultation workshop. ICARDA database of partners for Central Asia who had previously collaborated on the projects on environment and climate issues implemented in the region were included. We also approached ICARDA's focal point in the Ministry of Agriculture to identify relevant partners. In addition, CAREC coordinators made valuable suggestion in populating the list of the participants. Donor organizations in the country with interest in climate change programs were also included in the list of participants.





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 4, 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				72%
Do you think that it could be interesting if the Platform could provide	e a centralized access to the fo	llowing information/	data/services ?	
Question		Answe	er	
Question	No interest	Some interest	Very interested	Score
Documents case studies papers		2	7	89%
Training materials, best practices		3	6	83%
Models, tools, software		4	5	78%
General reports		7	2	61%
Specific bulletins		7	2	61%
Expert consultant services	1	5	3	61%
Maps (ready format)		3	6	83%
Access to spatial database (WMS, WFS,)		4	5	78%
Raw spatial data (basic spatial files)	1	5	3	61%
Structured databases	1	6	2	56%
In general, are you interested in DATA			8	89%
In general, are you interested in SERVICES			6	67%

In general, the interest for CACIP as user is very high. The average interest is 72% and it means that three people out of four are very interested in all the suggested contents. From a statistical point of view, documents, case studies, papers and DATA in general are the most interested item, but in general all the scores are very high. The lowest score was obtained by the structured databases, but this is a result common to other countries (at least Kyrgyzstan and Tajikistan).





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Monitoring locations Image: Snow Image: Snow </td <td>Land degradation and desertification</td> <td>4</td> <td>44%</td>	Land degradation and desertification	4	44%
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• Flows333%• Water quality333%• Water quality333%• Water divisions222%GENERAL DATA333%Drainage333%Drainage222%Basins, watersheds, major aquifers222%DEM333%Administrative boundaries444%Basic infrastructures444%Protected areas333%	Water levels	2	22%
* Water quality 3 33% * Water divisions 2 22% GENERAL DATA Topography 3 33% Drainage 2 22% Basins, watersheds, major aquifers 2 22% DEM 3 33% Administrative boundaries 4 44% Basic Infrastructures 3 33%	• Flows	3	33%
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GENERAL DATA Topography 3 33% Drainage 2 22% Basins, watersheds, major aquifers 2 22% DEM 3 33% Administrative boundaries 4 44% Basic infrastructures 3 33% Optotected areas 3 338%	Water divisions	2	22%
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DEM 3 33% Administrative boundaries 4 44% Basic infrastructures 4 44% Protected areas 3 33%	Basins, watersheds, major aquifers	2	22%
Administrative boundaries 4 44% Basic infrastructures 4 44% Protected areas 3 33%	DEM	3	33%
Basic infrastructures 4 44% Protected areas 3 33%	Administrative boundaries	4	44%
Protected areas 3 33%	Basic infrastructures	4	44%
5 500	Protected areas	3	33%

The results of this section seem not to match the results of the previous section: the scores are always lower than the scores for maps, spatial databases, raw spatial files and also structured databases (that in the previous section obtained the lowest score). Probably this section was penalized because it was at the end of the form, and also it is quite long. The scores are homogeneous, and it is positive that almost all items obtained some preferences.





Interest for USING specific KNOWLEDGE DATA		44%
Are you interested on new products, not available now, with a set of information and numerical data related to the clim	ate change in Cent	ral Asia?
Question -		er
		Score
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	4	44%
SLM practices and methodologies	4	44%
Projects on CC Adaptation Mitigation	4	44%
News	4	44%

The interest in knowledge base is very homogeneous, and in general **a little higher** than the interest for geographical data.

Interest for NEW PRODUCTS				64%	
Are you interested on new products, not available now, with a set of information	n and numerical dat	a related to the climation	ate change in Cent	al Asia?	
Question		Answer			
Question	No needed	Some interest	Very interested	Score	
In general		4	5	78%	
Information summarized at regional and country level	1	3	4	61%	
Information updated systematically		3	5	72%	
Information homogeneous on the whole region	1	4	2	44%	
Information with an advanced visualization		4	4	67%	

In this section is interesting that the topic with the lowest score relates with **information at regional level**. This result suggests the need to work to increase the awareness of stakeholders from Uzbekistan towards cross boundaries phenomena.

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				47%
Are you available to contribute to CIP in the following ways?				
Question		Answe	er	
Question	Not available	Available	I don't know	Score
Basic user: user of the platform	1	7		78%
Basic user: join the forums	1	6	1	67%
Basic user: use documents and training materials		7		78%
Basic user: use models, tools, software	1	8		89%
Data provider: allowing the permanent upload on CIP	2	3	3	33%
Data provider: allowing live link to your published data	1	6	1	67%
Data provider: API for documents				0%
Data provider: WMS server		1		11%
Data provider: WFS server		1		11%
Data provider: API for geographical data		1		11%
Promoters: promoting the use of the CACIP among colleagues, clients, partners		6	1	67%
Promoters: do you want to promote for forum?		3		33%
Promoters: do you want to promote for documents?		3		33%
Promoters: do you want to promote for maps?		5		56%
Promoters: do you want to promote for data?		6		67%

The **general score (47%) is very high**, the willingness to contribute to CACIP is notable in Uzbekistan.

But the very low values related to "more technological topics" (like interoperability interfaces: API, WMS, WFS, ...) seem to indicate a **low level of informatic infrastructures** (or a low technical knowledge too).

Interest to be PART OF THE TEAM				53%
Do you want to contributem as an expert member or active contributor (your name/institution listed/acknowledge in the portal)?				
Question	Answer			
Question	No	Maybe	Yes	Score
At individual level		2	5	67%
At institutional level		3	2	39%

The interest to be part of the CACIP is confirmed (average 55%).





Interest for PROVIDING specific GEOGRAPHIC	CAL DATA		20%
Are you interested on new products, not available now, with a set of information and	d numerical data related to the clima	te change in Cent	ral Asia?
Question		Answe	Score
HISTORICAL DATA (TIME SERIES)		tornotibe	50010
Hydrological databases on river basins		3	33%
Climate induced natural disaster		2	22%
Historical climate variability		2	224
Iemperature		3	33%
I ake/reservoir levels		2	22%
• Flows		3	33%
Evapotranspiration		2	22%
• Glaciers		1	11%
• NDVI, EVI		1	11%
Burned areas		2	22%
Fire College interest		2	22%
Soli moisture		Z	22%
e Monthly temperature (avg. min. may)		2	229/
Precinitation		3	33%
Bioclimatic variables		1	11%
CURRENT DATA			
Temperature		2	22%
Surface temperature		3	33%
Precipitation		3	33%
FORECASTS			
Short term forecasts			
Temperature		2	22%
Precipitation Snow water equivalent		2	22%
Show water equivalent Snow melt		2	11%
• Stream flows		3	33%
Seasonal weather forecasts		2	22%
Long term climate projections		2	22%
PHYSICAL CHARACTERISTICS			
Land cover			-
Cover type		1	11%
Glaciers/snow cover		1	11%
Cropland Irrigated areas		2	11%
Crons and cron types		2	22%
Tree cover change		2	22%
Field data (such as crops, rotation)		1	11%
Soil map			0%
Soil carbon density			0%
Global aridity index			0%
Potential Evapotranspiration		2	22%
OTHER RELEVANT DATASETS			
Agricultural productions			0%
Land degradation and desertification			0%
Monitoring locations			
• Snow		1	11%
• Climate		1	11%
Water levels		1	11%
• Flows		2	22%
Water quality		1	11%
WALCH UNISIONS		Ţ	1170
GENERAL DATA		1	11%
Drainage		1	11%
Basins, watersheds, major aquifers		3	33%
DEM		5	56%
Administrative boundaries		4	44%
Basic infrastructures		3	33%
Protected areas		1	11%

The average score for the availability to provide geographical data is higher than in all the other countries of Central Asia. The most selected types of geographical data are meteorological data (temperature, precipitation) and stream flow and hydrological data, but in general almost all types of information were indicated as available.

The willingness to share data is also confirmed for knowledge-based data.





Interest for PROVIDING specific KNOWLEDGE DATA		28%
Are you interested on new products, not available now, with a set of information and numerical data related to the clima	te change in Cent	ral Asia?
Question -		er
		Score
Publications (reports, webinars, atlases, posters, infographics, proceedings, studies)	2	22%
SLM practices and methodologies	2	22%
Projects on CC Adaptation Mitigation	3	33%
News	3	33%

Sections related to general preferences and interests

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

The results are quite heterogeneous, and there is a difference between the most scored topic for users and for decision makers. The users are most interested in climate change and long-term forecasts. Decision makers are more concerned about food security and risk assessment.

It is interesting that the lowest score for users and decision makers was assigned to smartphone services to end users.

Selected FOCUSED AREAS (as BASIC USER)				51%
As a basic user (please select only one as "very interested" (main interest), and if y	our main interest	is not mentioned, yo	u can write your cl	hoice in "othe
Quartien		MEN		
Question	No needed	Some interest	Very interested	Score
food and nutritional security	1	1	4	50%
sustainable agroecosystems/mitigation		3	3	50%
risk assessment and mapping		3	4	61%
land degradation/desertification		3	3	50%
reforestation/forest protection		4	2	44%
climate changes/long term forecast		3	5	72%
socio-economic impact (*)		4	2	44%
smartphone services to end users	1	4	1	33%
other		food pri	int	

Selected FOCUSED AREAS (as POLICY /	DECISION MA	KER)		42%	
As a basic user (please select only one as "very interested" (main 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 "othe				
Quastian		Answe	r		
Question	No needed	Some interest	Very interested	Score	
food and nutritional security		2	4	56%	
sustainable agroecosystems/mitigation		1	3	39%	
risk assessment and mapping		2	4	56%	
land degradation/desertification		2	2	33%	
reforestation/forest protection		2	2	33%	
climate changes/long term forecast		1	4	50%	
socio-economic impact (*)		2	3	44%	
smartphone services to end users		2	1	22%	
other		food pr	int		

Major highlights from questionnaire

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

Interest as USER of CACIP	73%
Interest for USING specific GEOGRAPHICAL DATA	29%
Interest for USING specific KNOWLEDGE DATA	28%
Interest for NEW PRODUCTS	81%
Interest as CONTRIBUTOR to CACIP	31%
Interest to be PART OF THE TEAM	50%
Interest for PROVIDING specific GEOGRAPHICAL DATA	8%
Interest for PROVIDING specific KNOWLEDGE DATA	6%
Selected FOCUSED AREAS (as BASIC USER)	70%
Selected FOCUSED AREAS (as POLICY / DECISION MAKER)	13%

Based on the stakeholder interest survey, we found that country partners are:





• **generally very interested in CACIP** platform, with homogeneous scores for all kinds of information and data (with a little plus for documents and knowledge information)

The best score, compared to the results of other countries, relates with:

general willingness to contribute to the platform

• general availability to provide geographical and knowledge data

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

• the lowest score is the one smartphone services for end users

Some notes and suggestions were added to the surveys:

• responses were provided with understanding that conclusions and articles presented as private or individual user, **do not represent official opinion of the country**

• there is interest to develop a **platform of water use database**

• there is interest in **instruments and tools for each separate organization, to process organization-specific information**, and to upload processed/ready products or analytical information on the platform (this will also be useful from perspective of strengthening knowledge awareness and experience of national stakeholders)

• there is interest to develop a database of experts in the region

• there is interest to see a **normative base in adaptation to climate change** (i.e. paperwork or legal framework)

Other hints:

• more info about best practices on adaptation, assessment, analysis, climate change, aggregated data

- there is a need for real data about all aspects in this sphere, also actual/current images and its frequent updates
- include in the platform the consequences of climate impacts, risks for countries in the region, and solutions related with countries cooperation

• organization conducts research in all issues of agrarian policy, therefore any data is very useful



Summary of stakeholders' feedbacks





Figure 2: Stakeholders interaction with Project Team for qualitative feedback.

There were extensive discussions during the event concerning different aspects of the platform. Points raised by participants concerned organizational as well as information and data issues, provision of expertise and sustainability points. Most of the points were in line with results from questionnaire presented above. To demonstrate the full picture of mentioned issues as well as to provide extent of questions and comments the following bullets are presented below. These were helpful to capture various views together with comprehension of presented material by stakeholders.

Key areas mentioned by stakeholders are:

Content and Data Sources

1. Organizations contributing to the platform should be clarified and framed with an agreement in relation to import and export of information/data. Such Agreement should be framed within CAMP4ASB program.

2. Data provided should be accurate and reliable. Countries of Central Asia expect solutions on adaptation, assessment of possible consequences from climate change (negative/positive), indicators, criteria.

3. Countries are interested in data exchange.

4. Data could focus on water flow/discharge Pyandj river, hydropower regime and others info in conditions of climate change, increase in water deficit, food (productivity) and energy. Influence of climate on water management balances. Data should be analytical! Scientifically sound.

5. For research community there is need for access to primary databases; Primary data should be paid.

6. Hydromet is for the paid raw/primary data: Processed data can be publicized and openly shared, but the raw and primary data have to be paid data. So that raw-data collectors could compensate their expenses during the collection of raw data;

7. Pay for data, for knowledge there should be no payment;





8. To consider also that platform is being developed for general open access, access should be free;

9. Regional analytical team must be created/developed/trained, to work for the whole regional stakeholders, and who could 24/7 provides answers to questions such as "What are the climatic impacts?" "What are the risks for the region?" "What are the consequences and SOLUTIONS/precautions?", and this platform shall be successful – only if these elements will be present and taken care for better results of the platform;

10. Crosschecking the reliability of data(s) from the third site would be important. The platform should consider that multiple sites may have different data and this should be factored. Multiple organizations using the platform data can come to different conclusion and a network of expert should be active to support technical clarifications.

11. Data inputs. It is important to develop guidelines for data contributors in order to provide notes on the format data should be provided. This will help organization also to systematize their knowledge and improve quality in the years to come.

Users and Usage

1. Platform cannot rely on feedbacks and desires of certain people or experts. It must be oriented towards the current/ongoing or expected trends of situations, problems, etc. e.g. climate change and adaptation.

2. The platform should focus on specific targets since it would not be possible to satisfy all users requests in one year. Also, certain type of governmental data may require more than one year to develop trust and secure a data sharing agreement. The platform can then rely on local organizations to improve the platform with needs of other groups.

3. The platform should be interactive from both sides in order for the data provider to receive feedback from the user.

4. Once data are found would be useful to have forecast crop allocation on the bases of current ongoing changes and perspective/expected changes in the climate.

5. As immediate solution the platform could link to global data to stimulate the production of regional data that can be more precise over time.

6. Illustrate, by relying on available data(s), current or perspective anomalies to be expected in CA region.

7. To assess Google Earth and other tools to be included in the platform if ready to use. Alternatively provide clear indication on how such tools can be included in the future as follow up after the first phase.

8. The platform should provide easier access to data and tools that are not offered already by other search engine. Google allows you to find information and the platform should be more tailored to Central Asia information. Access to tools is useful for users to replicate raw data analysis when in the scientific domain. **Maintenance**

1. Capacity building. Training of at least 3 persons to sustain the region, and not only train to run the platform, but also for further developing the platform to

improve technologies upgrade.





2. The use of ready tools is more reliable in terms of update of technologies however it is important to manage dependency in case sources are disconnected and data are lost (Backups).

3. Development of changing/editing rights is important to clarify different responsibilities leaving the primary data sources to contributor (e.g. HydroMet).

4. To consider the establishment of a permanent team and linkages with global conventions (UNCCD, UNFCCC) to its sustainability.

5. Ensure that one authoritative organization is assigned to contribute regularly otherwise it will be difficult to maintain the platform.

6. It is important to run some awareness for each Government in the domain of data sharing to benefit this platform and other initiatives in the region.

Next steps

Overall, there was great and keen interest from participants. Most of participants expressed soonest demonstration of platform and look forward to experience platform to provide more feedback. Partners provided several comments, team can do collective synthesis with other country partners to incorporate feasible ones during development of the platform. Project team will also set one-to-one meeting with key stakeholders not able to join the meeting. Project team will focus on Aid Agencies, Farmers and Insurance Companies.



Figure 3: Interview with Project Climate Knowledge Key Expert





Annex 1 Workshop agenda

TIME	AGENDA ITEM	PRESENTER
8.00-8.30	 Registration 	
8:30-9.00	 Introduction to Central Asia Climate Information Platform and Regional Framework (CAMP4ASB) 	A. Akramkhanov / R. Sharma
9.00-10.00	 Platform Concept, Design Framework and main building blocks Action plan, Participation and Sustainability Q&A 	C. Biradar
10.00-10.30	 Informative Survey on current situation on Data and Information. Note: to ensure that at least one institutional contact person is identified for each present stakeholder Note: to ensure that the focus area has been filled 	Facilitated by A. Akramkhanov
10.30-11.00	Coffee break	
11.00-12.00	 Workgroup "Partners' Requirements and Data contribution" Partners are organized by the focus areas resulting from the previous sessions. Time is dedicated to group discussion about: "What do we know, and what scientific information have to be available via information Platform for usage in policy making processes at national level and/or in decision making at local level" Main formats/channels to share knowledge (e.g. SMS, MobApp, Telegram, mobile version of website) should knowledge be free or paid? Do you have existing examples? Summary of discussion will be consolidated by the team rapporteur. 	Facilitated by A. Akramkhanov
12.00-13.00	 Plenary Restitution 	Facilitated by
12 00 14 00	- U&A	A. AKI di liki di lov
14 00-14 45	– Stakeholder profiling	
14.45-16.30	 One-to-One meeting (based on participants interest indicated inside the previous "Informative Survey") 	C. Biradar





Annex 2 List of invited organizations and participants

A total of 18 participants (28% female) out of 23 attended the consultation. Typology of stakeholders encompassed Ministries/Government Agencies, Nongovernmental, International and Regional and sub-Regional Organizations

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





Annex 3 Stakeholder profiles

The following stakeholder profiles were partly filled with some information. These and other stakeholder profile information will be further collected and filled as per template.

Scientific-Information Center of the Interstate Commission for Water Coordination in Central Asia (SIC-ICWC)

All information is located on www.cawater-info.net

Agency for Implementation of Projects in Agro-Industrial and Food Supply Sectors

General Info - agency implements projects supported by International Financial Institutions (IFI), i.e. program of CAMP4ASB. Participates in one CAMP4ASB program. Office located in Tashkent, project area is in Karakalpakstan, Khorezm, Navoi, Bukhara. Main projects – CAMP4ASB. Funds adaptation and mitigation measures according to the framework of CAMP4ASB project. Major tools – Results of the project. Knowledge base – improvement of production of agricultural crops, yield improvements. Geographic data – project areas.





Annex 4 Questionnaire for informative survey

CENTRAL ASIA CLIMATE INFORMATION PLATFORM

INFORMATIVE SURVEY

Organization ____

Email

Address ____

Name

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	вотн

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 lev	el 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					





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: sustainable 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: sustainable 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 <u>permanent upload</u> 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 interfac	e is available to <u>access data</u>	a and documents:	
API if possible, please deta	ail		
			(example: DataVerse API)
your notes			
		······	
in case, what type of interface is available to	access your geographical	data:	
WMS server if possible, please deta	iil		
(examp	e of sat image: https://www.gebco.net/data	a_and_products/gebco_web_services/v	veb_map_service/mapserv?)
It possible, please deta	ili	(example of dams in CA: http://ihp-win	s.unesco.org/geoserver/wfs)
API if possible, please deta	iil		
	(e)	kamples: GeoServer API, ArcGIS API, Ca	toDB API, MapQuest API,)
As promoters	a	nd	facilitators
promoting the use	of 1 Not interested	the CACIP	among L don't know
your concegues, energy pertiners	Not interested		I don't know
If interested, what would you like to find in	the CACIP to <u>make useful p</u>	promoting the use of it	
Forum Documents what k	ind:		
Maps Data what k	ind:		
	· · · · · · · · · · · · · · · · · · ·		



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

Central Asia

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.)
 inking your models to the CACIP and the cacing the cacing

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)										
5, _	 		 	 		_		 	 	
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?

Co	or	1)) .	
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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				
<u>Historical climate variability</u>				
 Temperature (source https://modis.gsfc.nasa.gov/data/) Precipitation (source https://pmm.nasa.gov/GPM) Lake/reservoir levels Flows 	X			
 Evapotranspiration (source https://modis.gsfc.nasa.gov/data/) Glaciers (source https://nsidc.org/) 	X X			
 NDVI, EVI (source <u>https://modis.gsfc.nasa.gov/data/</u>) Burned areas (source <u>https://modis.gsfc.nasa.gov/data/</u>) 	X X			
 FIRE (sources https://earthdata.nasa.gov/earth-observation- data/near-real-time/download-nrt-data/viirs-nrt, https://firms.modaps.eosdis.nasa.gov/) Soil moisture 	X			
(source <u>https://smap.jpl.nasa.gov/</u>)	Χ		LJ _	
 Monthly temperature (avg, min, max)> (source http://worldclim.org/) Precipitation (source http://worldclim.org/) Bioclimatic variables (source http://worldclim.org/) 	X X X			
Your hint:				
CURRENT DATA				
Content	Included (temporarily)	Use	Provide	Hint
<u>Temperature</u>				
Surface temperature (source https://modis.gsfc.nasa.gov/data/) Precipitation (source https://pmm.nasa.gov/GPM)	X 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 <pre>(sources https://www.esa-landcover-cci.org/ ,</pre>	X					
 Glaciers/snow cover (source <u>https://nsidc.org/</u>) 	X					
 Cropland (source <u>https://modis.gsfc.nasa.gov/data/</u>) 	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)						
<u>Soil map</u>						
Soil carbon density (source_https://www.isric.org/explore/soilgrids_)	X					
<u>Global</u> 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

Included (temporarily)	Use	Provide	Hint			
X						
X						
X						
	Included (temporarily) X X X	Included (temporarily) Use X X X X	Included (temporarily)UseProvideXXXXQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ			

