

the 9 th Joint Project Team Meeting (JPTM2024)
“Harnessing Satellites and Collaboration for Regional Disaster Resilience”

Events occurred in Central Asia in 2024

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Central-Asian Institute for Applied Geosciences (CAIAG),
Kyrgyz Republic

November 5 th -7 th , 2024
Novotel Manila Araneta City,
Quezon City, Philippines

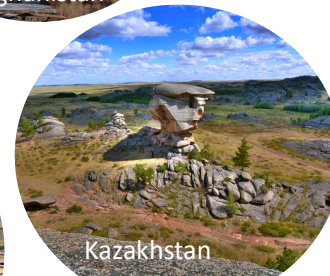
The logo for the Central-Asian Institute for Applied Geosciences (CAIAG) is displayed in a bold, dark blue, sans-serif font. It is positioned at the bottom center of the slide, partially overlapping a horizontal band of clouds and a mountain range in the background.

CAIAG

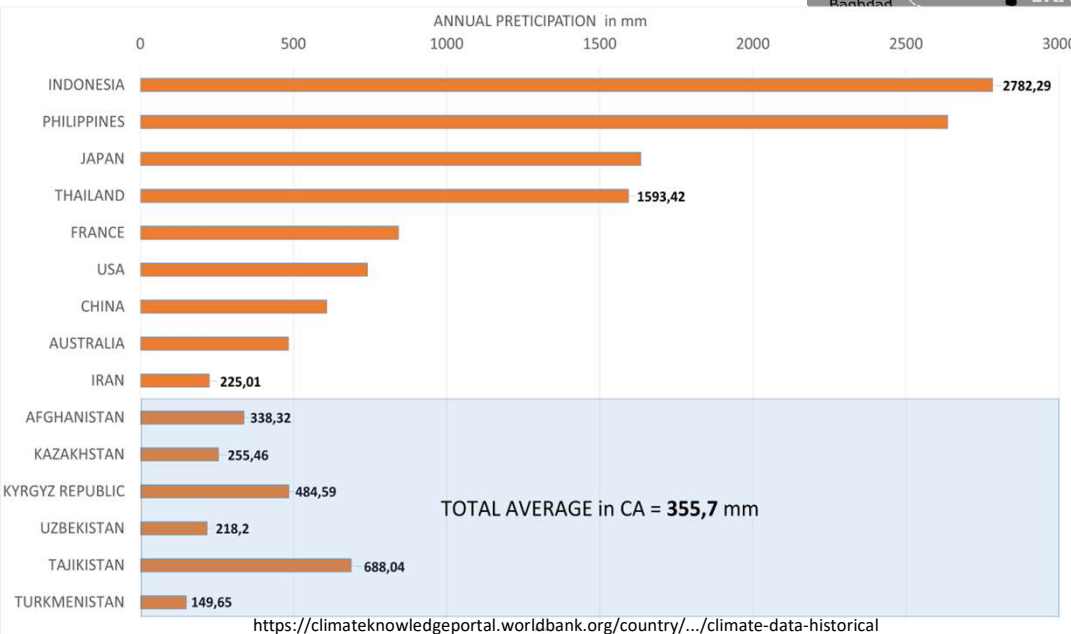
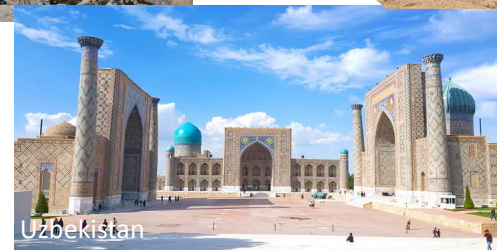
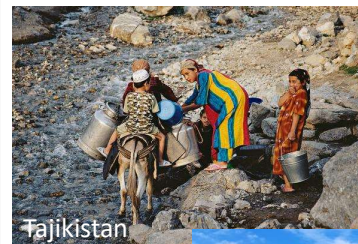
POPULATION on 2021 in million:

Afghanistan: - 40,1
 Kazakhstan: - 19,0
 Kyrgyzstan: - 6,692
 Uzbekistan: - 34,92
 Tajikistan: - 9,75
 Turkmenistan: - 6,342

TOTAL: 116,804



https://en.wikivoyage.org/wiki/Central_Asia#/media/File:Map_of_Central_Asia.png



and

The **omission** we observed is related not only to the limited availability of news information in other countries but also to restrictions in accessing diverse sources of information, which collectively limit awareness of these events.



Was Indicated the challenge of 2023 for realization

To address this task, we suggest involving experts/volunteers who could to help create a **website aggregator** oriented towards the Central Asian region.

and was found another a way

Who and which instruments was used for identification of Emergence Situations in 2024 ?

ADRC Dr. Makota Ikeda- Kazakhstan (flood)



World Food Program- Tajikistan (flood)



Telegram- Tajikistan, Turkmenistan, Uzbekistan



And **NEWS Agencies** on Internet platforms- Kyrgyzstan



BAŞ SAHYPA TÜRKMENISTAN



Central Asia.media

How many EORs for CA were declared in 2024 via *OPTEMIS Sentinel Asia* ?

Country	Phenomena	Total Victims	Number of Events
Afghanistan	--	--	--
Kazakhstan	Floods	102 328 (evacuated)	1
Kyrgyzstan	Floods & landslides	22 (deaths)	6
Tajikistan	Flood & landslides	3 (deaths)	2
Uzbekistan	Flood	--	1
Turkmenistan	Flood	No Data	1

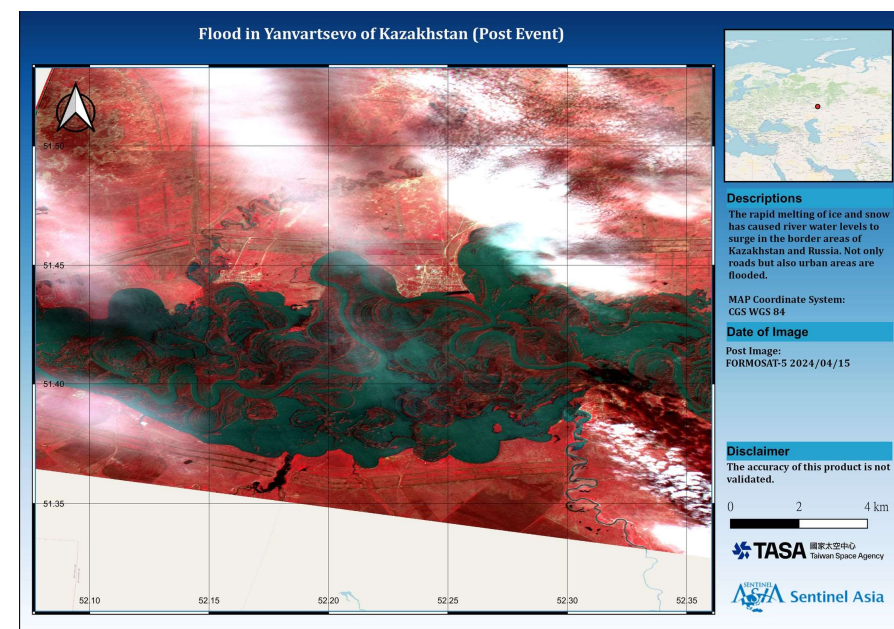
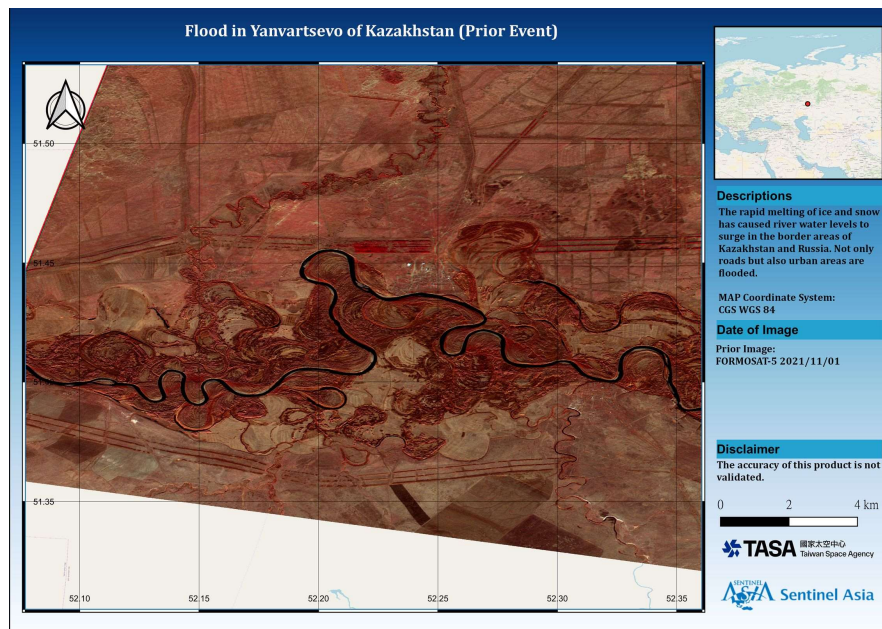


Total is 11 EORs

Kazakhstan April 2024, Flood

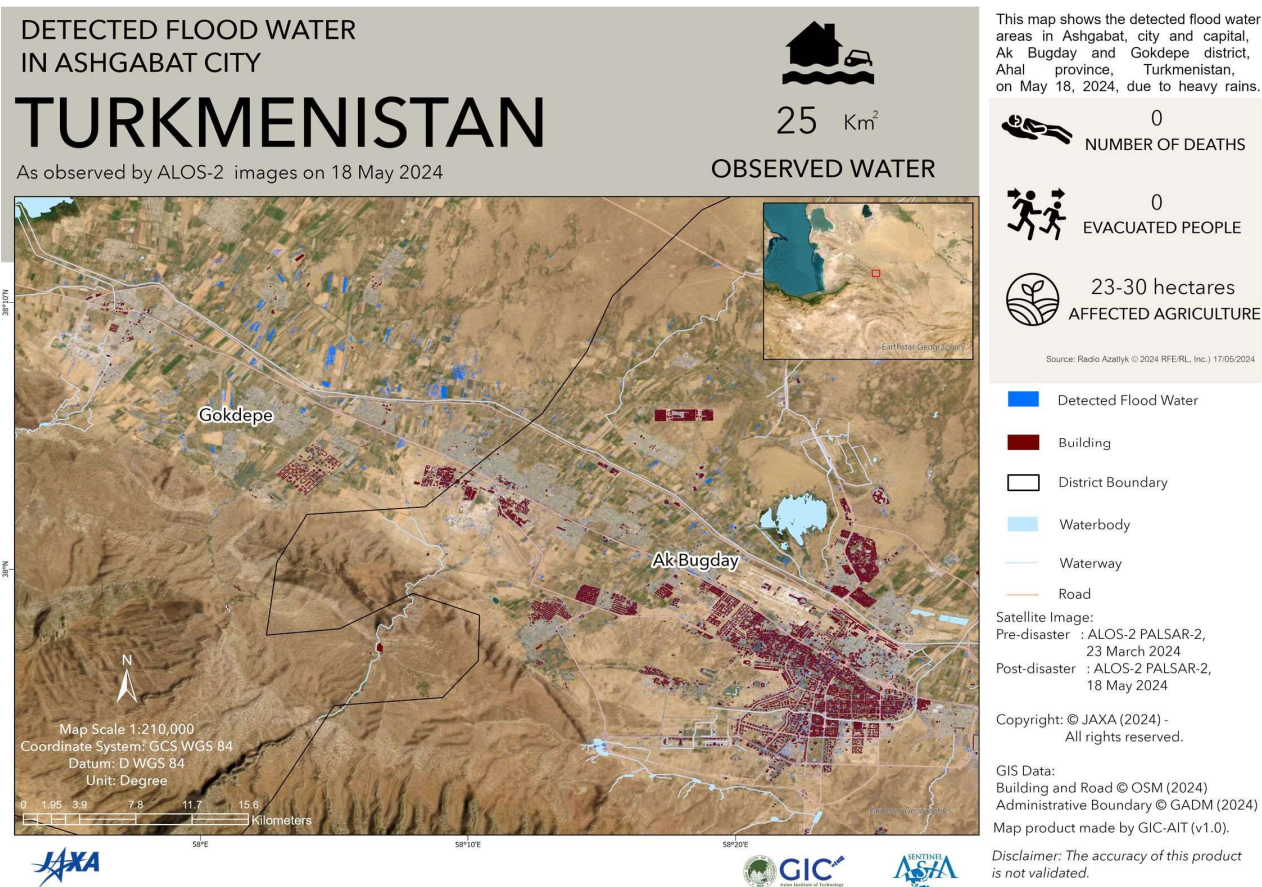


<https://bureau.kz/en/hot/flood-coverage-restrictions/>



https://sentinel-asia.org/EO/2024/article20240330KZ/TASA/Disaster%20Map_Flood_Yanvartsevo_Kazakhstan_post_sml.jpg

Turkmenistan April 2024, Flood



https://sentinel-asia.org/EO/2024/article20240516TM/AIT/AIT-VAP001-TRK_sml.jpg



Heavy rains flooded the capital of Turkmenistan

17/05/24 20:06

320 views

SOCIETY



In the capital of Turkmenistan, Ashgabat, heavy rains have been ongoing for the third day. According to "Meteojournal," 21 mm of precipitation fell on May 14 and 15, and a total of 80 mm has fallen since the beginning of the month. This is 3.5 times the monthly norm.

Currently, May 1978 is considered the rainiest month, with 85 mm of precipitation. It is likely that this year's record will be broken, the publication writes.

<https://centralasianlight.org/news/heavy-rains-flooded-the-capital-of-turkmenistan/>

Tajikistan August 2024, Flood

DETECTED FLOOD WATER IN ISHKOSHIM DISTRICT TAJIKISTAN

As observed by ALOS-2 images on 08 August 2024


2.2 Km²
FLOOD AREA

This map shows the detected flood water areas in Ishkoshim District, Gorno-Badakhshan Autonomous Region, Tajikistan, on August 06, 2024, due to heavy rain

 0
NUMBER OF DEATHS

 45
AFFECTED HOUSEHOLDS

Source: ASIA-Plus news agencies, 06/08/2024

-  Detected Flood Water
-  Building
-  Country Boundary
-  District Boundary
-  Waterbody
-  Waterway
-  Road

Satellite Image:
Pre-disaster : ALOS-2 PALSAR-2,
21 November 2019

Post-disaster : ALOS-2 PALSAR-2,
08 August 2024

Copyright: © JAXA (2024) -
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GIS Data:
Building and Road © OSM (2024)
Administrative Boundary © GADM (2024)

Map product made by GIC-AIT (v1.0).

Disclaimer: The accuracy of this product
is not validated.

[https://sentinel-
asia.org/EO/2024/article20240806TJ/AIT/AIT-
VAP001-TJK_sml.jpg](https://sentinel-asia.org/EO/2024/article20240806TJ/AIT/AIT-VAP001-TJK_sml.jpg)



Title: Local mudflows are forecast in a number
of regions of Tajikistan until August 23

AVESTA
INFORMATION AGENCY


Душанбе
+19°

ПОЛИТИКА ЭКОНОМИКА БЕЗОПАСНОСТЬ ОБЩЕСТВО ПРОИСШЕСТВИЯ СПОРТ КИТАЙ

Главная > Новости > Общество

В ряде районов Таджикистана до 23 августа прогнозируются локальные сели

22 августа, 2024 / 11:37 ОБЩЕСТВО ГЛАВНАЯ НОВОСТИ ДНЯ



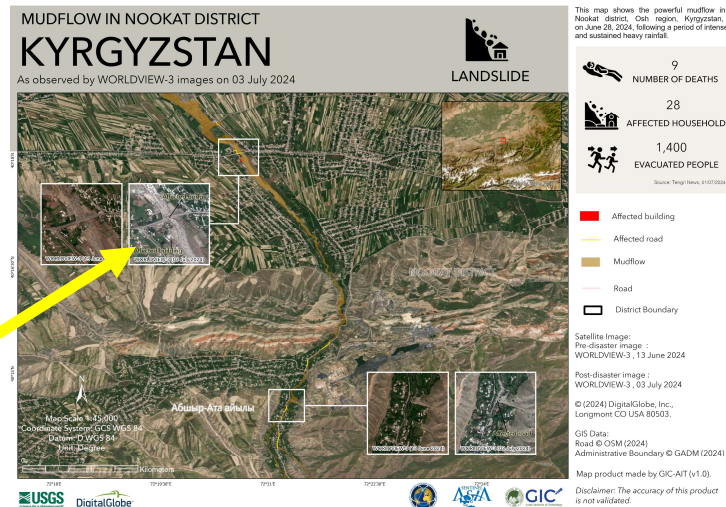
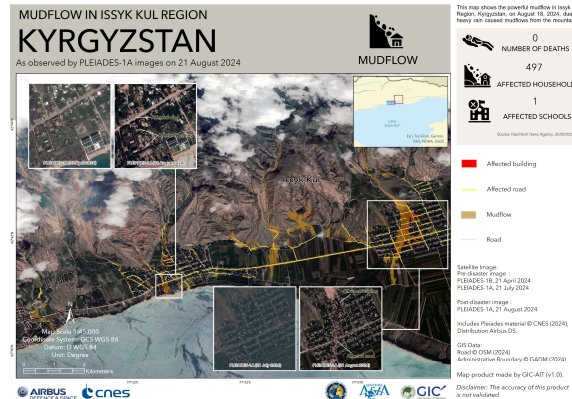
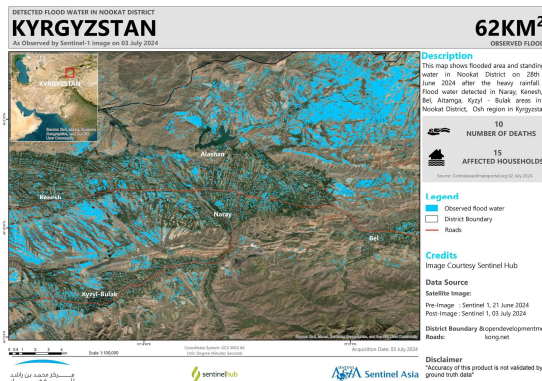
22-23 августа 2024 года в ряде горных и предгорных районах РРП, Согдийской областях и на западе Горно-Бадахшанской автономной области прогнозируется сход локальных селей. Об этом сообщает Комитет по чрезвычайным ситуациям и гражданской обороне при Правительстве РТ со ссылкой на Агентство по гидрометеорологии Республики Таджикистан.

[https://avesta.tj/2024/08/22/v-ryade-rajonov-tadzhikistana-do-23-avgusta-
prognoziruyutsya-lokalnye-seli/](https://avesta.tj/2024/08/22/v-ryade-rajonov-tadzhikistana-do-23-avgusta-prognoziruyutsya-lokalnye-seli/)

The 1st time was activated the Charter

Kyrgyz Republic 2024

https://sentinel-asia.org/EO/2024/article20240628KG/MBRSC/MBRSC_KYRGZSTAN_FL_OOD_28TH_JUNE_sml.jpg



Mudflow in Kyrgyzstan: Death toll rises to 9



<https://arbatmedia.kz/evraziya/sel-v-kyrgyzstane-cislo-pogibsix-vozroslo-do-9-celovek-7814>

https://oper.kaktus.media/doc/504398_razryshitelnye_seli_28_29_iunia_vse_chno_izvestno_na_dannyy_moment.html#gallery-single-4

And also in 2024 was:



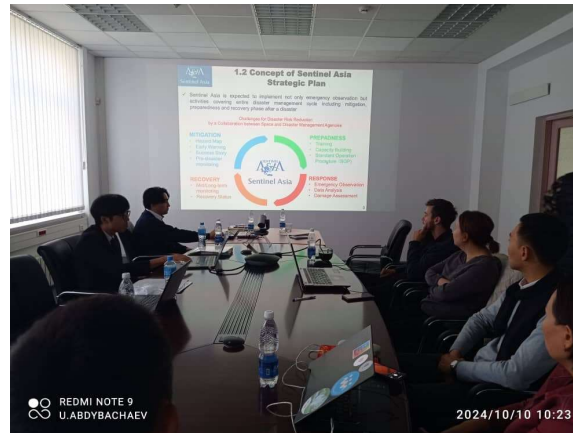
Training on project management of the International Charter on Space and Major Disasters

On September 26-27, 2024, the Central Asian Institute for Applied Geosciences (CAIAG) hosted the International Charter on Space and Major Disasters project manager training. The training was conducted by the Charter's Executive Secretary Shiraishi Takeshi (JAXA). During the training, participants were told and shown how to use the Charter's COS-2 operating system and Charter Mapper program.



The Co-Director and Department Heads of the CAIAG Meet with Representatives from Aero Asahi Corporation (AAC)

On October 24, 2024, the co-director and department heads of the CAIAG met with representatives from Aero Asahi Corporation, Hiromichi Maruyama, Director of Overseas Business, Kei Takashita, Sales Manager, Atsushi Okuizumi, Senior Project Manager, and Raushan Kalikova, AAC Coordinator for Central Asia and Kazakhstan.



Sentinel Asia Activity in Kyrgyzstan The Course on utilization of space technology for DRR -Sentinel Asia-

On 10 October, 2024, for CAIAG & Kyrgyz State University of Construction, Transport and Architecture named after. N.Isanova and MoES KR hosted the ADRC and JAXA training.



THANK YOU FOR ATTENTION!



Alai Range, Kyrgyz Republic