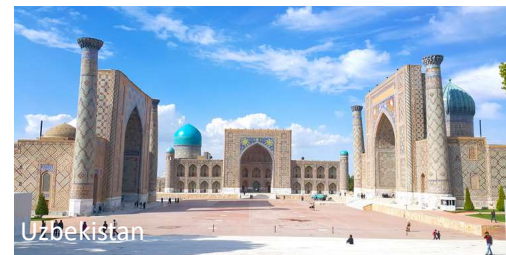
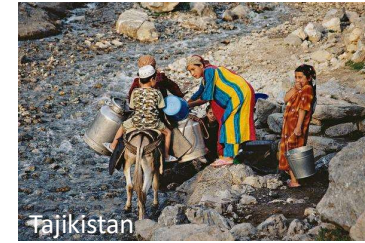
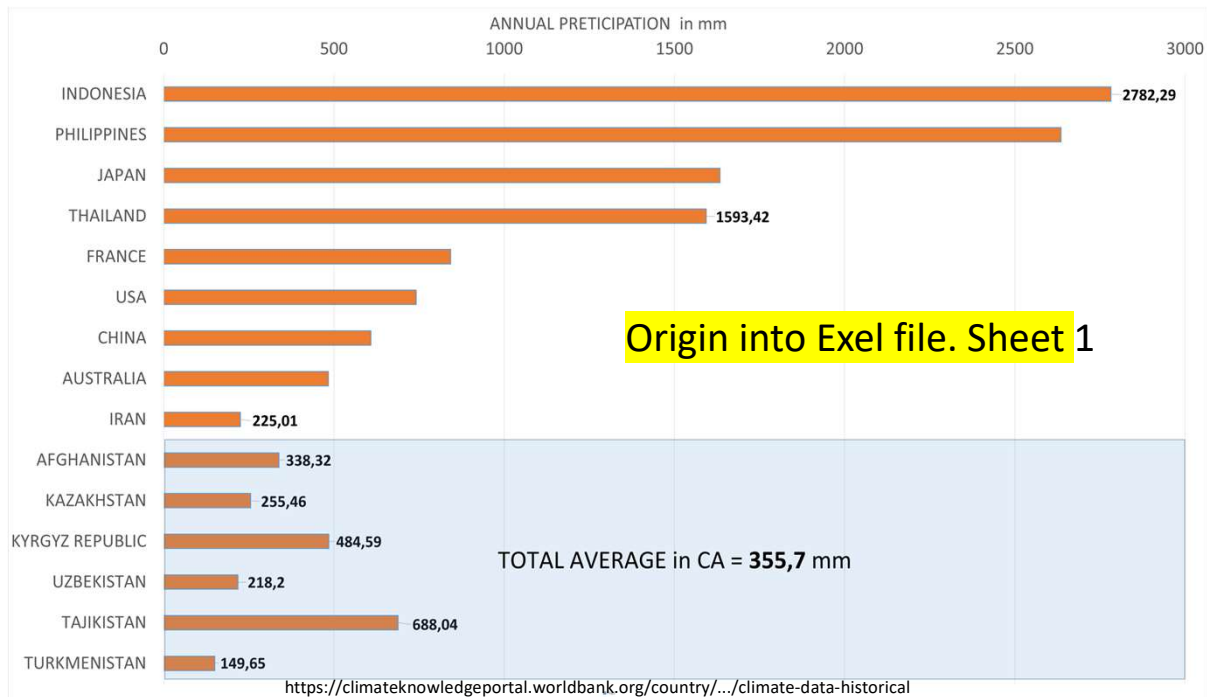


POPULATION on 2021 in million:

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

**TOTAL: 116,804**



# GOOD PRACTICE IN 2021, Kyrgyzstan



**Date Event**  
**Time Event**  
**Cause**  
**Phenomena**  
**Place**  
**Victims**  
**Other damage**  
**Attracted potential**

**Card of event**

**20 July 2021**

17:00

Strong Rain

Mudflow

Dostuk and Changyr-Tash villages

1 girlie

flooded residential yards

50 rescuers, 59 police officers and  
300 local residents.



Flooded site. Drone image, MES, T.K.Izabekov



Mudflow on road. Internet



Washout of mudflow storage. Drone image, MES, T.K.Izabekov



# GOOD PRACTICE IN 2023, Kazakhstan

## Card of event

|                     |  |
|---------------------|--|
| Date Event          | 8 June 2023  |
| Time Event          | 12:00  |
| Cause               | lightning discharge /lightning                                   |
| Phenomena           | Forest fire  |
| Place               | Semei-Ormany, Abai region  |
| Victims             | 14 people  |
| Other damage        | burned more then 60 000 Ha of forest                             |
| Attracted potential | 1 500 rescuers, 300 vehicles and 14 helicopters local residents. |

Satellite Image

Before Disaster

JAXA

2023-06-08 ALOS-2 Level2.1  
IMG HH ALOS2  
479301/1000 2023/04/08  
FBD R 2.1 GUA

2023-06-08 ALOS-2 Level2.1  
IMG HH ALOS2  
479301/1010 2023/04/08  
FBD R 2.1 GUA

2023-06-08 ALOS-2 Level2.1  
IMG HH ALOS2  
479301/1020 2023/04/08  
FBD R 2.1 GUA

After Disaster

JAXA

2023-06-17 ALOS-2 Level2.1  
IMG HH ALOS2  
48965/1000 2023/06/17  
FBD R 2.1 GUA

2023-06-17 ALOS-2 Level2.1  
IMG HH ALOS2  
48965/1010 2023/06/17  
FBD R 2.1 GUA

2023-06-17 ALOS-2 Level2.1  
IMG HH ALOS2  
48965/1020 2023/06/17  
FBD R 2.1 GUA



Forest fire in Semei Ormany, Kazakhstan.  
Photo by: Aibol Kalybaev, Internet

DETECTED FOREST FIRE IN ABAI REGION, KAZAKHSTAN

As observed by Sentinel-2 images on 19 June 2023

63,000 Ha OBSERVED BURNED AREA

14 NUMBER OF DEATHS

Legend:

- Detected Burned Area
- District Boundary
- Kazakhstan Boundary
- Waterbody
- Road

Description:

- This map shows the detected burned areas in Borodulikhinsky and Semipalatskiy Districts, Abai Region, Kazakhstan, on June 9, 11, 14 and 19, 2023, due to forest fire since June 8, 2023.

Map Scale: 1:700,000  
Coordinate System: WGS 1984 UTM Zone 44N  
Unit: Meter

Map product made by GIC-AIT (v1.0).  
Disclaimer: The accuracy of this product is not validated.

Forest Fire Map, Kazakhstan

As Observed By Sentinel 2 On 14 June, 2023

Location

Legend

Description

- This Map shows Fire effected area after fire disaster happened in Kazakhstan Forest on 8th June/23.
- Damage happend to forest Area and wild life
- Due to this disaster 60,000 HA's Area got damaged
- Accuracy of this product is not validated.

Map Information

- Coordinate System: WGS\_1984\_UTM\_zone\_44N
- Unit Degree

Data Source

- Copernicus Open Access Hub ESA
- Satellite Product: Sentinel 2
- Pre Disaster : 2023-06-04
- Post Disaster : 2023-06-14



Kazakhstan - Forest fires ( JRC-GWIS, media , media ) (ECHO Daily Flash of 13 June 2023)

# Missed opportunity in 2021-2022, Kazakhstan

| Card of event       |   |
|---------------------|---|
| Date Event          | <a href="#">10 May 2021</a>   |
| Time Event          | unknown   |
| Cause               | ???   |
| Phenomena           | Forest fire   |
| Place               | Ridder, East region of KZ   |
| Victims             | 1 female  |
| Other damage        | burned more then 300 Ha of forest, 31 buildings, 6 vechiles and other |
| Attracted potential | 500 rescuers, 86 vehicles and 2 helicopters local residents.          |

| Card of event       |   |
|---------------------|---|
| Date Event          | <a href="#">7 September 2022</a>  |
| Time Event          | unknown   |
| Cause               | ???   |
| Phenomena           | Forest fire   |
| Place               | Amankaragai forest, Kostanai region of KZ   |
| Victims             | no  |
| Other damage        | burned more then 43 000 Ha of forest, 108 buildings and other. Was evacuated 1 841 people |
| Attracted potential | unknown   |

| Card of event       |  |
|---------------------|--|
| Date Event          | <a href="#">26 August 2021</a>                       |
| Time Event          | 19:00  |
| Cause               | fire near one of the warehouses in the military unit |
| Phenomena           | Fire and Explosions                                  |
| Place               | Bayzak raion, Jambyl oblast of KZ                    |
| Victims             | 17 people+1 Lost                                     |
| Other damage        | ???  |
| Attracted potential | ???  |



Photo: Orda.kz



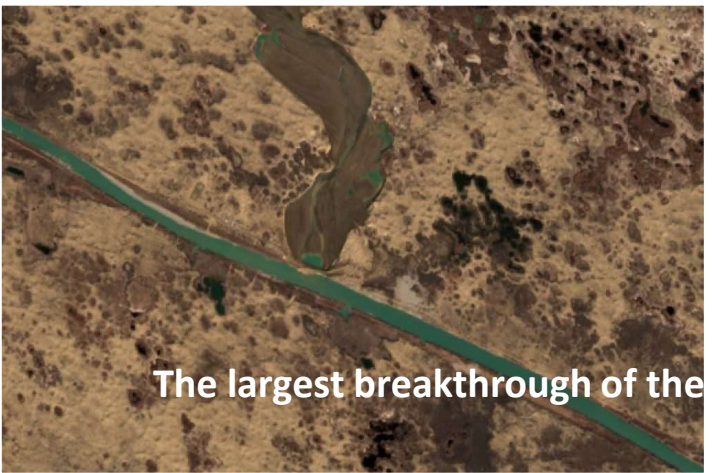
# Missed opportunity in 2022, Uzbekistan and in February 2023 in Turkmenistan



| Card of event       |   |
|---------------------|---|
| Date Event          | <a href="#">20 April 2022</a>   |
| Time Event          | unknown   |
| Cause               | Strong Rain   |
| Phenomena           | Flood   |
| Place               | Forish raion, Djizak oblast, Uzbekistan   |
| Victims             | 4   |
| Other damage        | flooded >260 buildings in Egizbulak village. Of them were destroyed - 53, and 44 was damaged. Was evacuated 100 people. |
| Attracted potential | ???   |

| Card of event       |                                       |
|---------------------|---------------------------------------|
| Date Event          | <a href="#">17-20 January 2023</a>    |
| Time Event          | unknown                               |
| Cause               | <a href="#">Ice Jams</a>              |
| Phenomena           | Flood                                 |
| Place               | site of Kairakum chanel, Turkmenistan |
| Victims             | no                                    |
| Other damage        | <a href="#">Lost 1 bulldozer</a>      |
| Attracted potential | ???                                   |

The main damage is the huge loss of water that has gone into the sands. Most of the runoff went into the sands for almost 20 days. Possible volume - 100 million m3.



The largest breakthrough of the Karakum Channel Turkmenistan

