

**** April 2024 News from Sentinel Asia Project Office ****

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Topics:

- 1. [News] Emergency Observation of Disasters
- 2. How to send an Emergency Observation Request
- 3. Using Sentinel Asia Operation System, OPTEMIS

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- 1. [News] Emergency Observation of Disasters (as of 29 April)

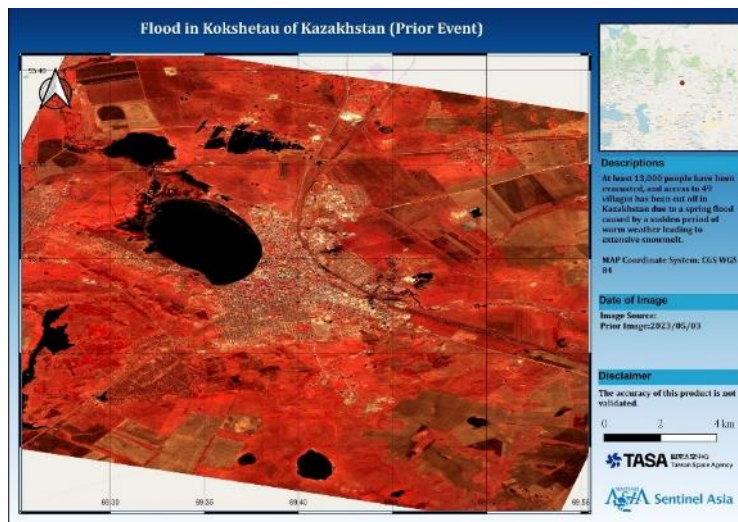
(1) Flood in Kazakhstan on 30 March, 2024 (GLIDE Number [FL-2024-000039-KAZ](https://sentinel-asia.org/EO/2024/article20240330KZ.html))

On March 30, 2024, Kazakhstan experienced devastating flooding due to rising temperatures and torrential rain. According to ReliefWeb, more than 2,000 people were evacuated and more than 300 homes were flooded. This led to the mobilization of the army and military aviation units.

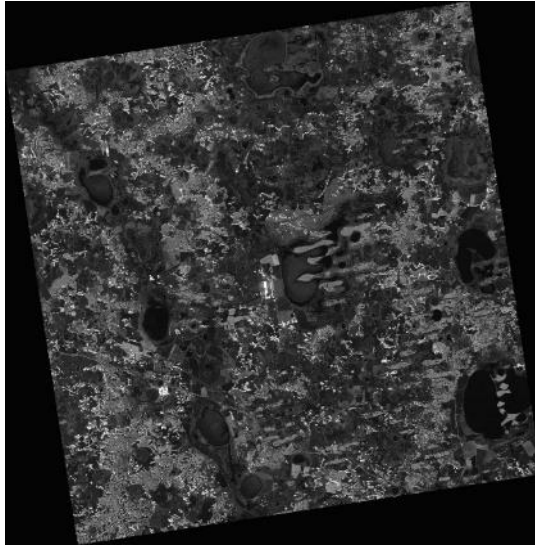
<https://reliefweb.int/report/kazakhstan/kazakhstan-flood-03-2024-floods-several-regions-2024-03-29>

The National Center of Space Research and Technologies (NCSRT) of Kazakhstan made an Emergency Observation Request (EOR) to Sentinel Asia on 2 April. Among Data Provider Nodes (DPNs), JAXA, ISRO, TASA and MBRSC provided data. Among Data Analysis Nodes (DANs), JAXA and TASA provided their Value-Added Products (VAPs). Information on the latest response by Sentinel Asia is available at the link below.

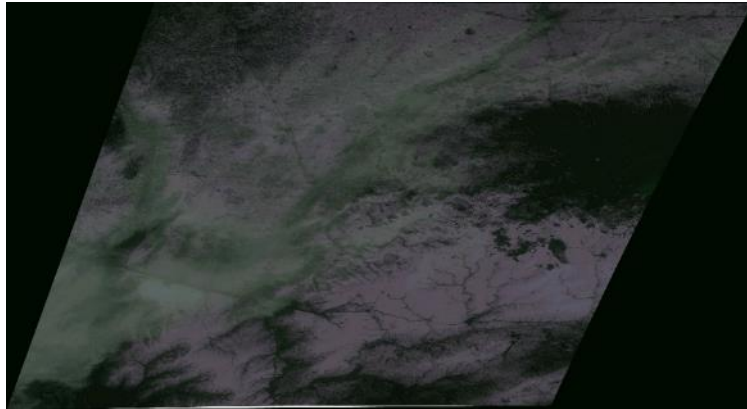
<https://sentinel-asia.org/EO/2024/article20240330KZ.html>



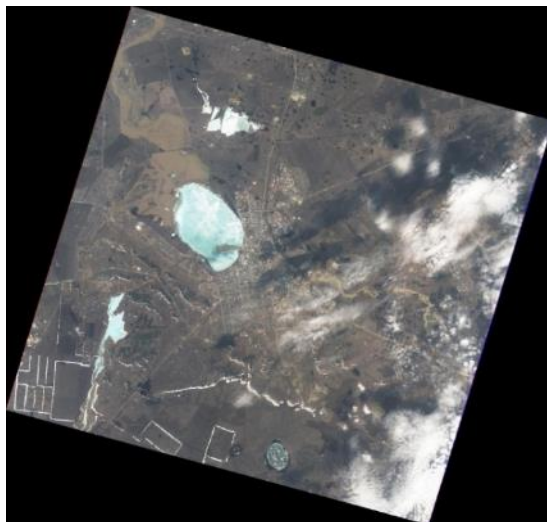
Value-Added Product by TASA



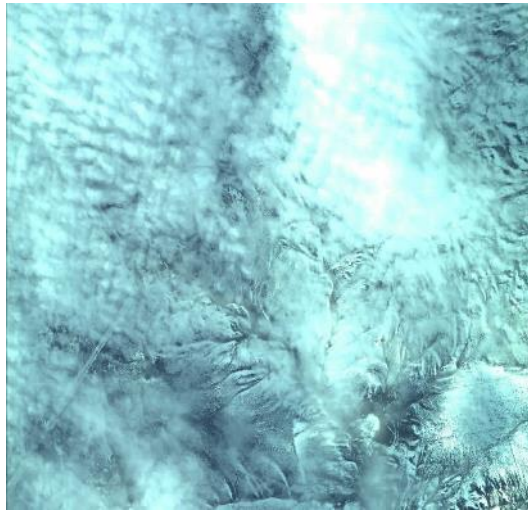
Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (Resourcesat-2) provided by ISRO



Post-disaster satellite image (FORMOSAT-5) provided by TASA



Post-disaster satellite image (KhalifaSat) provided by MBRSC

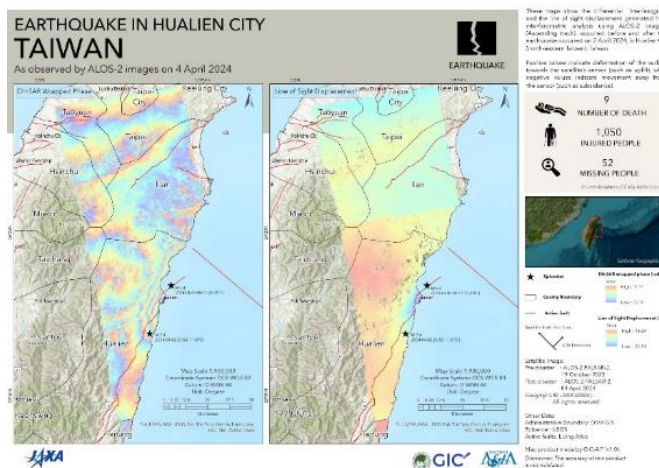
(2) Earthquake in Taiwan on 3 April, 2024 (GLIDE Number [EQ-2024-000040-TWN](#))

A 7.4 magnitude quake struck Taiwan, the strongest in 25 years. CNN reported that the quake has caused landslides and collapsed structures. Thirteen people have died as a result, and more than 1,100 others were injured, with over 100 buildings damaged. The quake was followed by 29 aftershocks greater than a magnitude of 4.0 near the epicenter in east Taiwan until the next day, according to the United States Geological Survey (USGS). Tremors was felt across the island, including in Taipei.

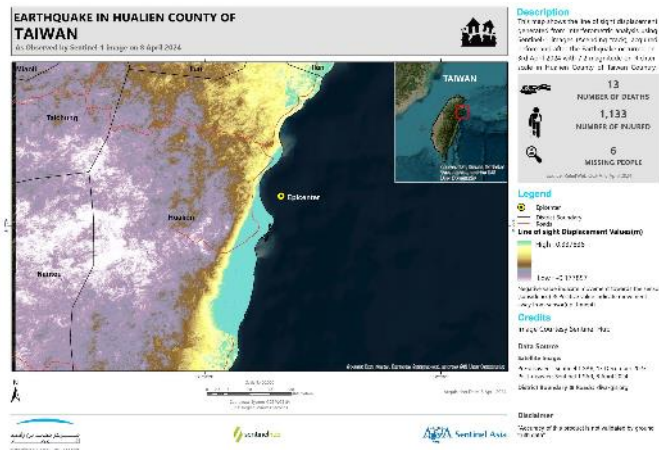
<https://edition.cnn.com/asia/live-news/taiwan-earthquake-hualien-tsunami-warning-hnk-intl/index.html>

TASA made an EOR to Sentinel Asia on 3 April. Among DPNs, JAXA and ISRO provided data. Among DANs, AIT, Institute of Geology, China Earthquake Administration (IGCEA), EOS and Tokyo Institute of Technology (Tokyo Teck), and MBRSC provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

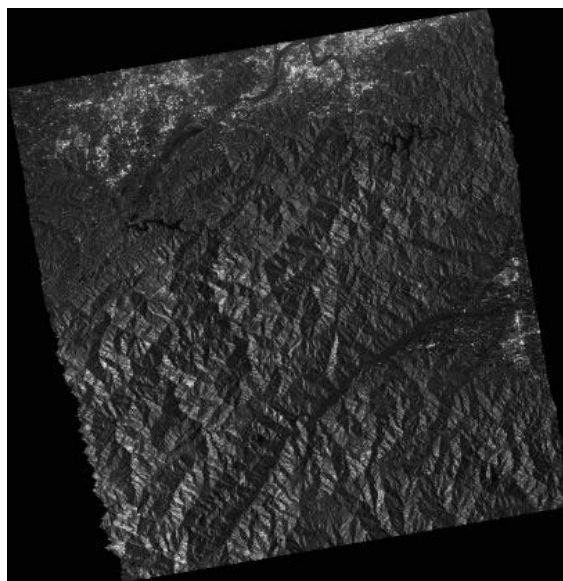
<https://sentinel-asia.org/EO/2024/article20240403TW.html>



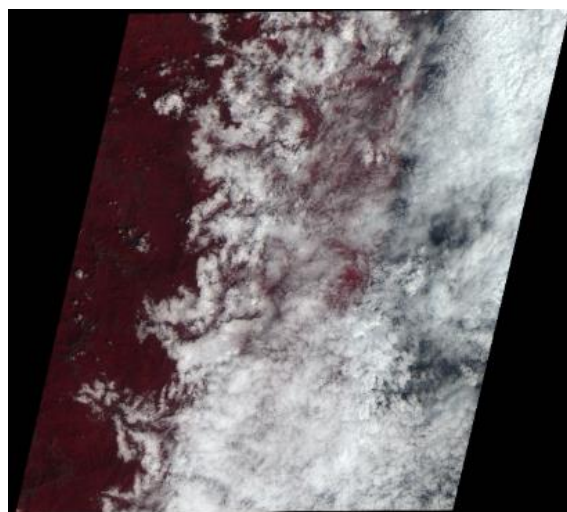
Value-Added Product by AIT



Value-Added Product by MBRSC



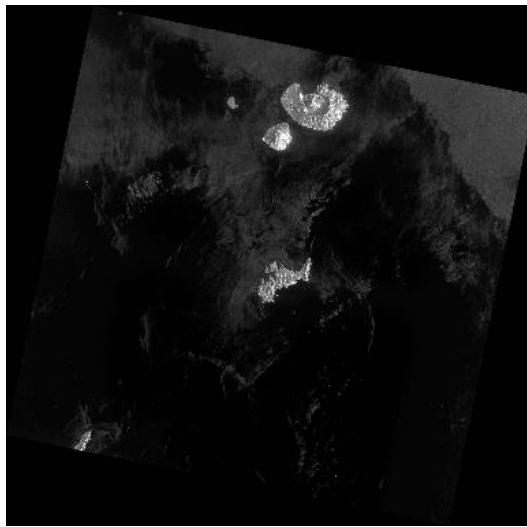
Post-disaster satellite image (ALOS-2) provided by JAXA



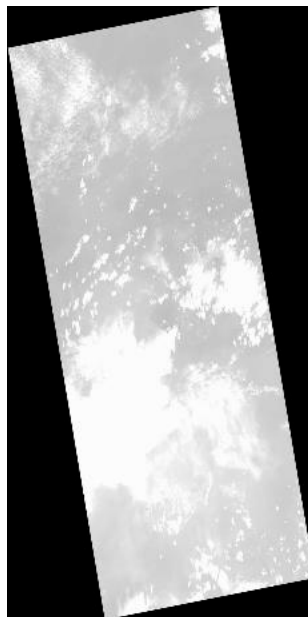
Post-disaster satellite image (Resourcesat-2) provided by ISRO

(3) Volcano eruption in Indonesia on 16 April, 2024 (GLIDE Number [VO-2024-000046-IDN](#))
Mount Ruang volcano in Indonesia's North Sulawesi Province erupted on 16 April. Reuters reported the eruption caused extensive damage, including falling rocks and volcanic ash. Over 800 people were evacuated and the airport in Manado, the provincial capital, was closed.
<https://www.reuters.com/world/asia-pacific/indonesian-volcano-eruption-forces-evacuations-airport-closure-2024-04-18/>

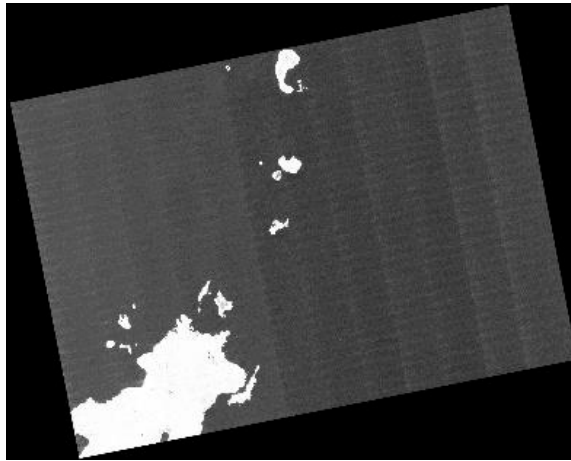
The National Research and Innovation Agency (BRIN) made an EOR to Sentinel Asia on 19 April. This EOR was escalated to the International Disasters Charter. BRIN assumed the role of Project Manager for this Charter activation. Among DPNs, JAXA, CRISP, and ISRO provided data. Information on the latest response by Sentinel Asia is available at the following link:
<https://sentinel-asia.org/EO/2024/article20240416ID.html>



Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (TeEOS-1) provided by CRISP



Post-disaster satellite image (EOS-04) provided by ISRO

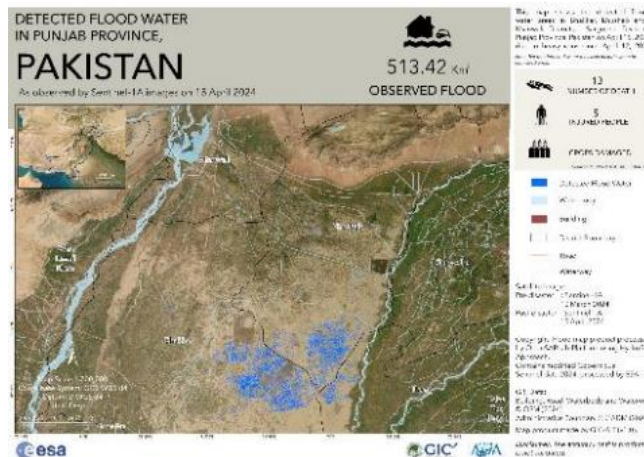
(4) Flood in Pakistan on 14 April, 2024 (GLIDE Number [FL-2024-000041-PAK](#))

Torrential rains and flash floods occurred in Pakistan from 12 to 16 April. ReliefWeb reported that the disaster caused damage to the wheat harvest, infrastructure, and homes, and led to a loss of at least 50 lives.

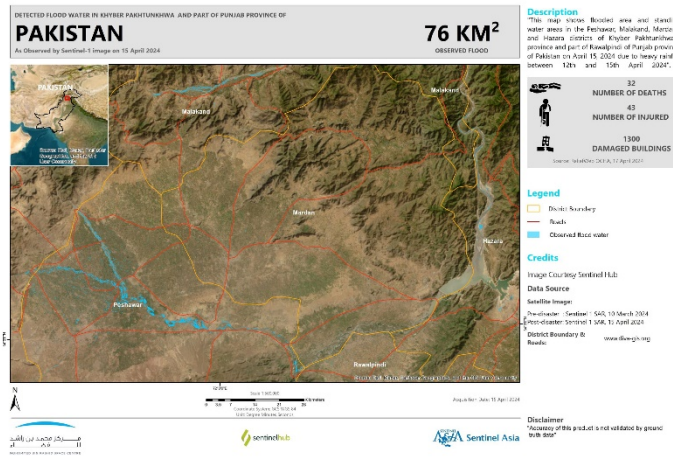
<https://reliefweb.int/report/pakistan/pakistan-flash-floods-flash-update-no1-17-april-2024>

The Japan International Cooperation Agency (JICA) made an EOR to Sentinel Asia on 19 April. Among DPNs, JAXA, ISRO and TASA provided data. Among DANs, JAXA, AIT MBRSC and TASA provided its VAPs. Information on the latest response by Sentinel Asia is available at the following link:

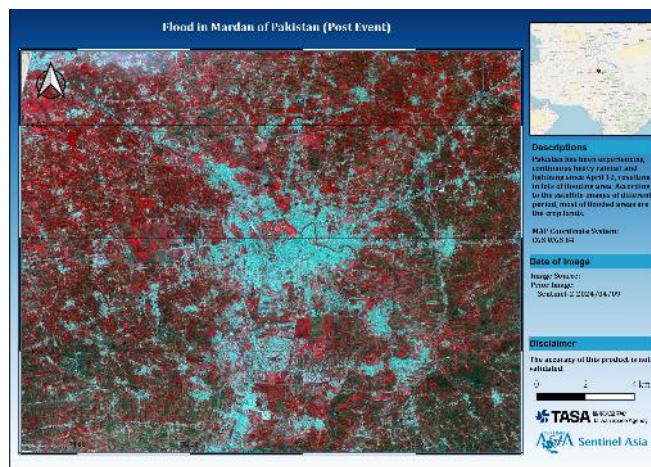
<https://sentinel-asia.org/EO/2024/article20240414PK.html>



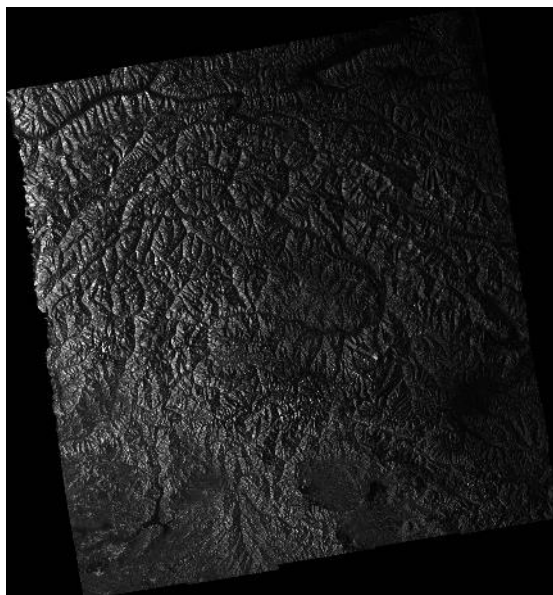
Value-Added Product by AIT



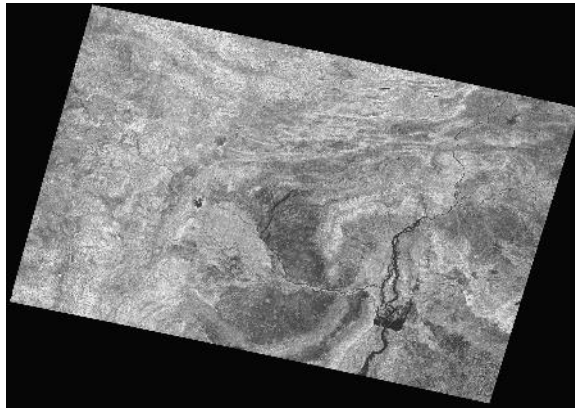
Value-Added Product by MBRSC



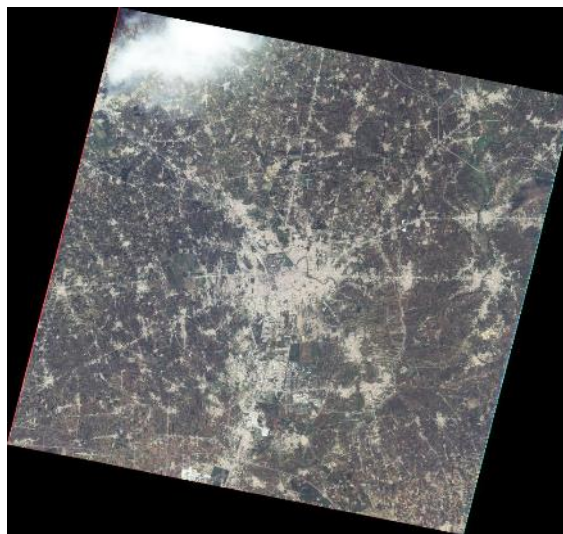
Value-Added Product by TASA



Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (EOS-04) provided by ISRO



Post-disaster satellite image (FORMOSAT-5) provided by TASA

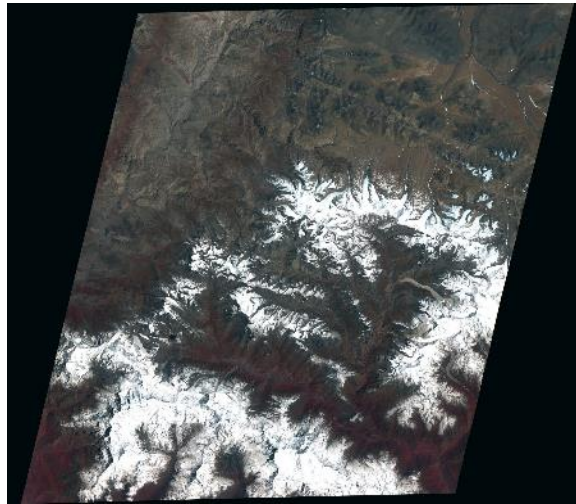
(5) GLOF at Birendra Lake in Nepal on 21 April, 2024 (GLIDE Number [FL-2024-000052-NPL](#))

A glacial lake outburst flood (GLOF) occurred in the lower reaches of Birendra Lake on the Manaslu Glacier in Nepal on 21 April. According to Khabarhub, regional authorities have issued a warning to residents in the lower reaches.

<https://english.khabarhub.com/2024/21/351756/>

The Department of Hydrology and Meteorology (DHM), Ministry of Energy, Water Resources and Irrigation of Nepal made an EOR to Sentinel Asia on 22 April. Among DPNs, ISRO provided data. Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2024/article20240421NP.html>



Post-disaster satellite image (Resourcesat-2) provided by ISRO

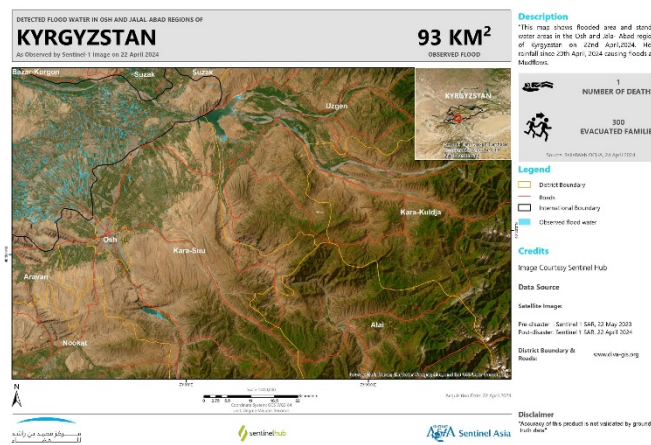
(6) Rain, Mudflow, and Mudslide in Kyrgyz on 20 April, 2024 (GLIDE Number [FL-2024-000053-KGZ](#))

Heavy rains have affected a wide area in Kyrgyz since 20 April, with mudflows damaging houses in the Jalal-Abad region., according to news agency 24.kg.

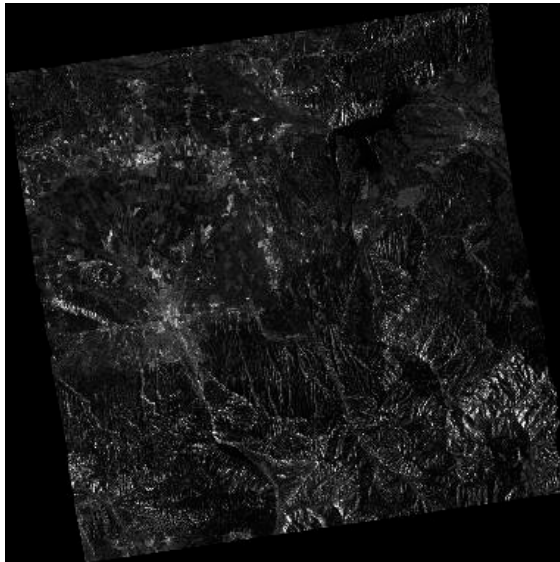
<https://24.kg/english/292251> Mudflows flood almost 50 courtyards in Suzak district/

The Central Asian Institute of Applied Geosciences (CAIAG) made an EOR to Sentinel Asia on 22 April. Among DPNs, JAXA, ISRO and TASA provided data. Among DANs, JAXA and MBRSC provided its VAPs. Information on the latest response by Sentinel Asia is available at the link below.

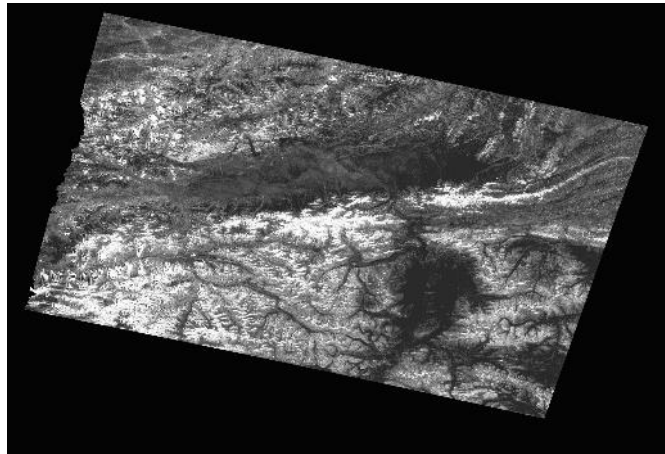
<https://sentinel-asia.org/EO/2024/article20240420KG.html>



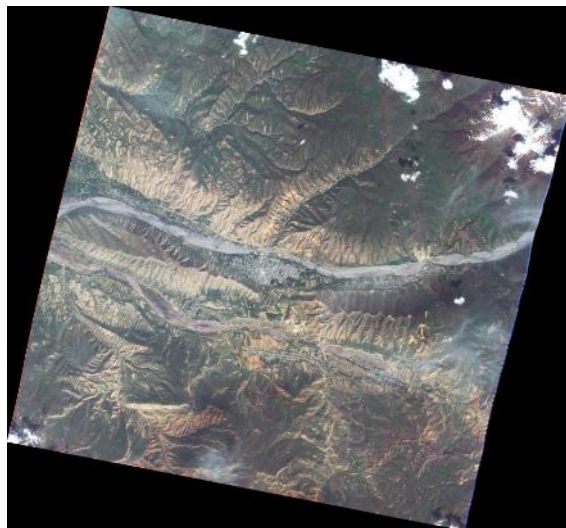
Value-Added Product by MBRSC



Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (EOS-04) provided by ISRO



Post-disaster satellite image (FORMOSAT-5) provided by TASA

