

**\*\* September 2023 News from Sentinel Asia Project Office \*\***

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Topics:

1. [News] Emergency Observation of Disasters (as of 29 September)
2. [News]JPTM 2023 was successfully held
3. [News] Sentinel Asia participated in a session at APRSAF-29
4. How to Send an Emergency Observation Request
5. Using the Sentinel Asia Operation System, OPTEMIS

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

(1) Landslide in Tajikistan on 27 August, 2023 (GLIDE Number [FL-2023-000159-TJK](https://sentinel-asia.org/EO/2023/article20230827TJ.html))

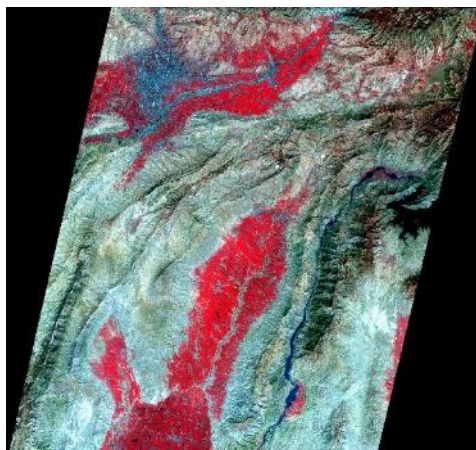
ReliefWeb reported that heavy rainfall has affected central-western Tajikistan, causing flash floods and landslides and resulting in casualties and damage. At least 13 people have died, 11 in the city of Vahdat (western Tajikistan) due to floods, and two others due to a mudslide in Rohati village west of the capital, Dushanbe. In addition, several houses, roads and crops have been flooded, particularly in the area of the capital.

<https://reliefweb.int/report/tajikistan/tajikistan-flash-floods-and-landslides-meteo-tajikistan-noaa-cpc-media-echo-daily-flash-29-august-2023>

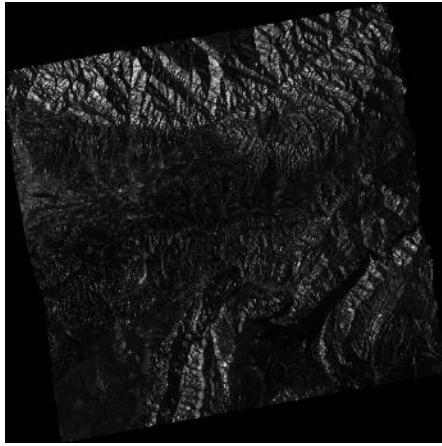
Central-Asian Institute for Applied Geosciences (CAIAG) of Kyrgyz made an EOR to Sentinel Asia on 30 August. Among DPNs, ISRO, JAXA and TASA provided data. Among DANs, MBRSC provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

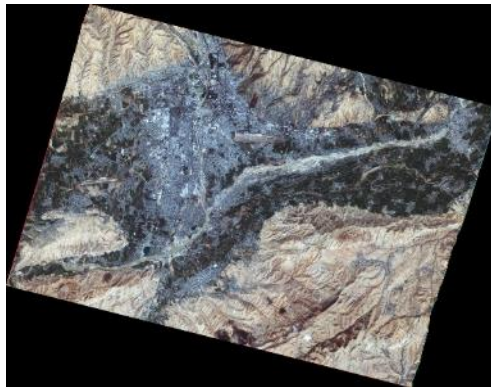
<https://sentinel-asia.org/EO/2023/article20230827TJ.html>



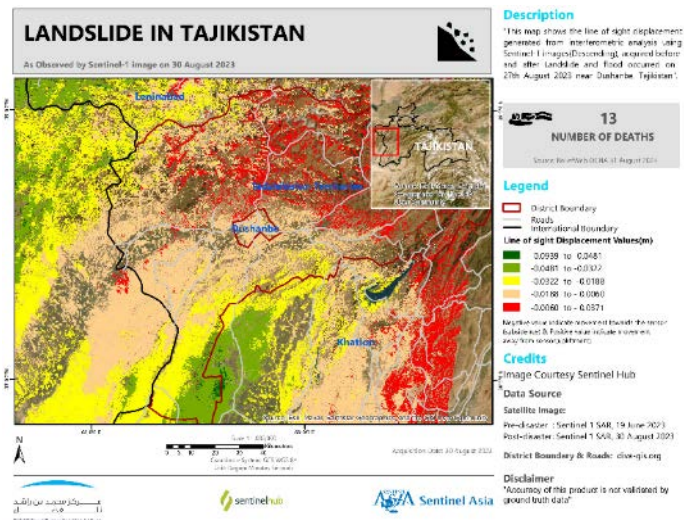
Post-disaster satellite image provided by ISRO



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



Post-disaster satellite image provided by TASA



Value-Added Product by MBRSC

(2) Flood, Landslide, and Storm in Vietnam on 12 September, 2023 (GLIDE Number [FF-2023-000172-VNM](#))

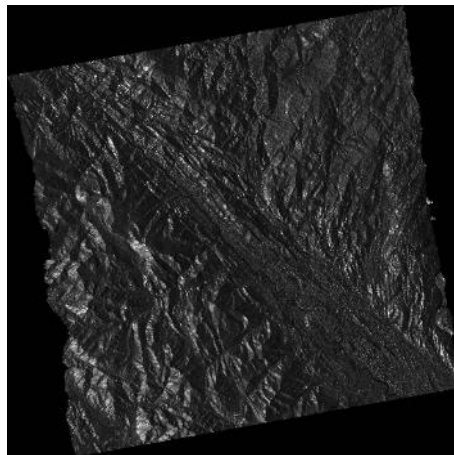
According to Vietnamnet, heavy rain in Lao Cai Province on the night of 12 September caused flash floods and landslides in several areas, killing two people, with four people missing, and washing away many residents' property in Lien Minh Commune.

<https://vietnamnet.vn/en/lao-cai-10-people-died-and-went-missing-due-to-floods-2189158.html>

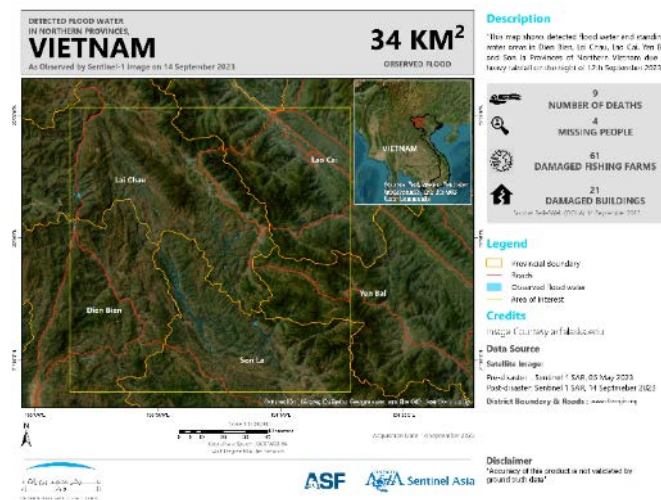
Ministry of Natural Resources and Environment (MONRE) of Vietnam made an EOR to Sentinel Asia on 13 September. Among DPNs, JAXA provided data. Among DANs, JAXA and MBRSC provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2023/article20230912VN.html>



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



Value-Added Product by MBRSC

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## 2. [News] JPTM 2023 was successfully held

The 8th Joint Project Team Meeting for Sentinel Asia STEP3 (JPTM 2023) was held on 17 and 18 September at the National Research and Innovation Agency of Indonesia (BRIN) in Jakarta, Indonesia, with BRIN and JAXA serving as co-hosts. It was the first meeting following JPTM 2019 held in November of that year in Bangkok. At JPTM 2023, a record 85 participants from 35 organizations gathered.



The meeting consisted of six sessions—overview, new membership, user’s session, special session (Indonesia session), discussion session, and data analysis node session—for members to share information about disaster management activities, experiences, and challenges. Also, there were four training workshops allowing participants to learn about satellite data analysis methods for the provision of disaster assessment maps and about developed systems for disaster risk reduction from presenters.

In the special Indonesia session titled “Accelerating Satellite-based Data and Information for Disaster Risk Management in Indonesia,” five panelists from various organizations who are engaged in disaster management talked about their activities and experiences. As there are many volcanoes in Indonesia, panelists emphasized the importance of high temporal/spatial/spectral resolution for regular monitoring of volcanoes, and updating geological mapping of them.

To seek ways to further promote Sentinel Asia’s activities for each phase of disaster management such as mitigation, preparedness, response, and recovery, five panelists shared their good practices, systems that have been developed for disaster risk reduction, and challenges of disaster management activities under facilitation by the co-chair of the Steering Committee of Sentinel Asia.

Throughout the meeting, several presenters shared their developed systems and tools. Some of them have been developed to share satellite images and disaster-related information more quickly using Web-Geographic Information Systems (Web-GIS). Others have been developed to satisfy the

demand for faster provision of analyzed data, such as eliminating time required to download large amounts of data and reducing analysis time through automation.

More details about JPTM 2023 including presentation materials and a summary of JPTM 2023 are available on the Sentinel Asia website:

<https://sentinel-asia.org/meetings/SA3JPTM8/index.html>

JPTM 2024 is planned and is to be determined.

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### 3. [News] Sentinel Asia participated in a session at APRSAF-29

The 29th session of Asia-Pacific Regional Space Agency Forum (APRSAF-29) was held in Jakarta, Indonesia, from 19–22 September, co-organized by the National Research and Innovation Agency (BRIN), the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan, and the Japan Aerospace Exploration Agency (JAXA). At the Satellite Applications for Societal Benefit Working Group (SAWG) session, Sentinel Asia reported its recent activities including the 8th Joint Project Team Meeting that was held back-to-back with the APRSAF-29. Some Sentinel Asia members including Philippine Space Agency (PhilSA), Pakistan Space & Upper Atmosphere Research Commission (SUPARCO) , and Yamaguchi University presented their activities.



Group photo of SAWG 2023

At the plenary session, Mr. Koji SUZUKI, Project Director, ADRC, who also serves as co-chair of the Sentinel Asia Steering Committee, gave a summary report of the Sentinel Asia session.

The detail of the Sentinel Asia session can be found at the link below.

[https://sentinel-asia.org/meetings/APRSAF29/APRSAF\\_29.html](https://sentinel-asia.org/meetings/APRSAF29/APRSAF_29.html)

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### 4.How to Send an Emergency Observation Request

JPT member organizations are entitled to send an Emergency Observation Request (EOR) for

disasters in the Asia-Pacific region. Please refer to [https://sentinel-asia.org/e-learning/Emergency\\_Observation\\_Request.html](https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html).

EOR Order Desk:  
Asian Disaster Reduction Center (ADRC)  
HP: <http://www.adrc.asia/>  
E-mail: [sarequest@adrc.asia](mailto:sarequest@adrc.asia)  
FAX: +81-78-262-5546,  
TEL: +81-78-262-5540

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5. Using the Sentinel Asia Operation System, OPTEMIS

Sentinel Asia launched a new operation system, OPTEMIS. Please refer to the website on how to create an account for OPTEMIS.

[https://sentinel-asia.org/e-learning/Emergency\\_Observation\\_Request.html](https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html)

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