

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

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Topics:

1. [News] Emergency Observation of Disasters (as of 27 November)
2. [Event] JPTM 2024 was successfully held
3. How to send an Emergency Observation Request
4. Using Sentinel Asia Operation System, OPTEMIS

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1. [News] Emergency Observation of Disasters (as of 27 November)

(1) Flood by Tropical Storm Trami in Vietnam on 27 October 2024 (GLIDE Number [TC-2024-000193-VNM](#))

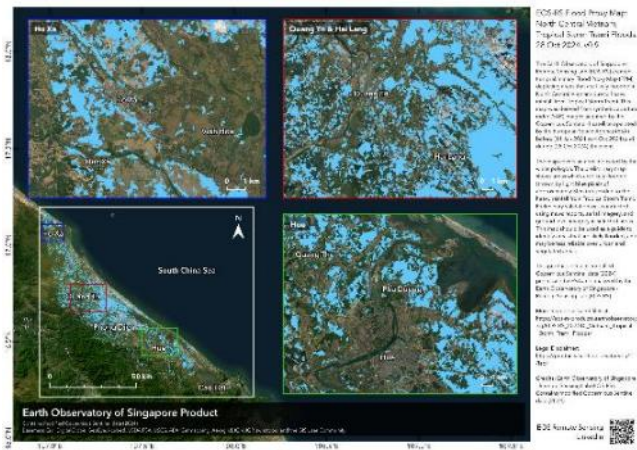
Crossing over the Philippines, Typhoon Trami (Philippine name: Kristine) made landfall on Vietnam on 27 October. As reported in ADINet, 8 people died and 143,424 were affected.

<https://adinet.ahacentre.org/report/viet-nam-flooding-landslides-storms-and-winds-in-central-region-tc-trami-20241027>

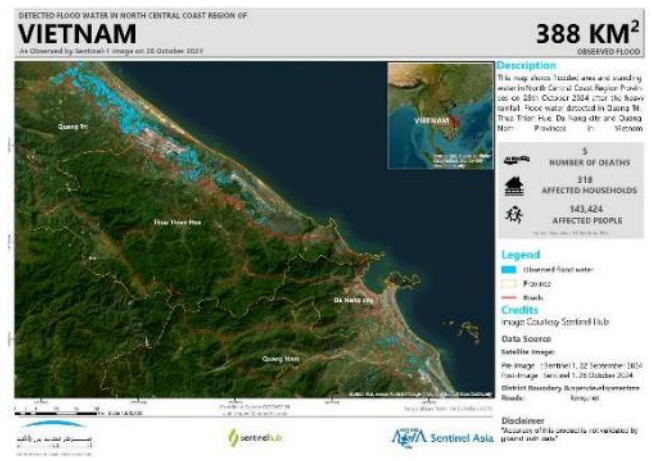
The Ministry of Natural Resources and Environment (MONRE) of Vietnam made an Emergency Observation Request (EOR) to Sentinel Asia on 24 October in anticipation of the typhoon’s landfall on Vietnam. Among Data Provider Nodes (DPNs), JAXA provided data. Among Data Analysis Nodes (DANs), JAXA, EOS, and MBRSC provided their Value-Added Products (VAPs).

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

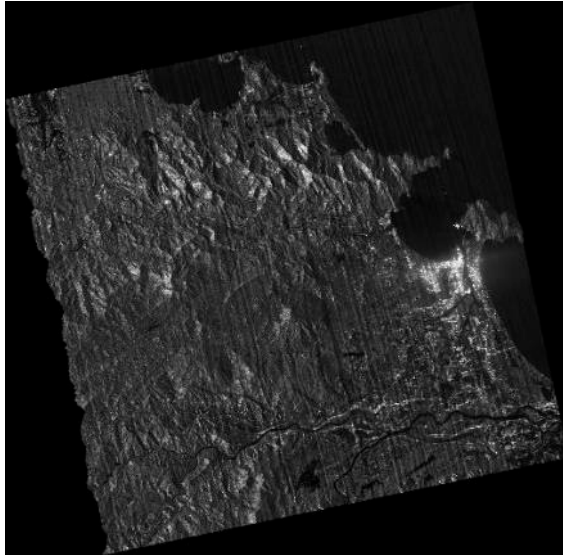
<https://sentinel-asia.org/EO/2024/article20241027VN.html>



Value-Added Product by EOS



Value-Added Product by MBRSC



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

(2) Cyclone Dana in India on 25 October, 2024 (GLIDE Number [TC-2024-000194-IND](#))

On 25 October, Tropical Cyclone Dana made landfall along the Indian coast with heavy rain and high winds, CNN reported. Before the storm's landfall, around 300,000 people had been evacuated.

<https://edition.cnn.com/2024/10/25/india/storm-dana-india-evacuates-intl-hnk/index.html>

ISRO made an EOR to Sentinel Asia on 24 October in anticipation of the cyclone's landfall on India. Among DPNs, JAXA provided data. Among DANs, JAXA, EOS, AIT, and MBRSC provided their VAPs.

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

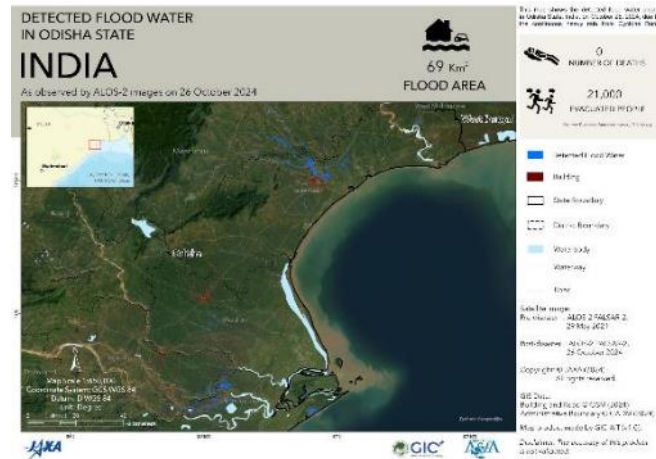
<https://sentinel-asia.org/EO/2024/article20241025IN.html>



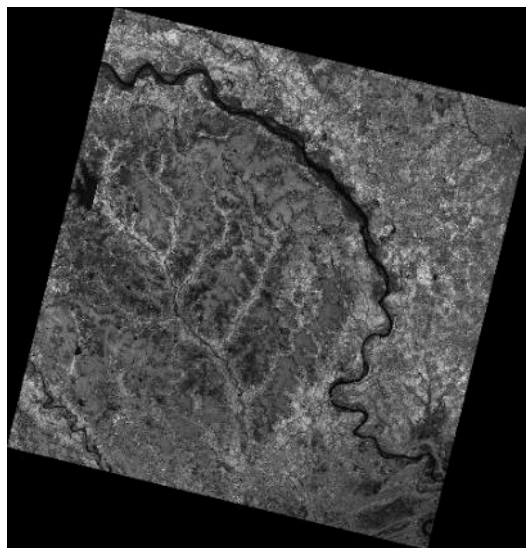
Value-Added Product by EOS



Value-Added Product by MBRSC



Value-Added Product by AIT



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

(3) Flood and Landslide in Philippines on 24 October, 2024 (GLIDE Number [TC-2024-000193-PHL](#))

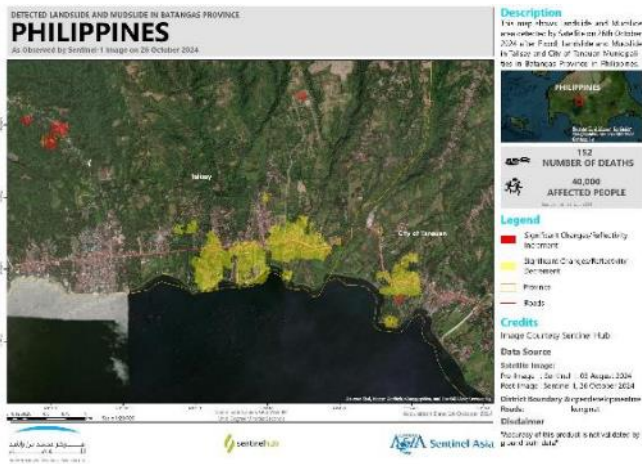
Powerful tropical storm Trami, known as Kristine, left extensive damage in the Philippines. According to ReliefWeb, more than 100 people died and more than 7 million people have been affected after Trami passed over the Philippines.

<https://reliefweb.int/report/philippines/tropical-storm-trami-submerges-homes-rice-fields-philippines>

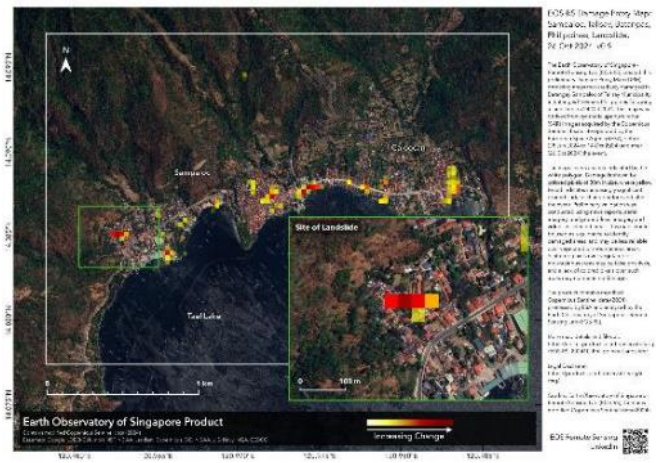
The Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) renewed their EOR on 30 October. Among DPNs, CRISP and TASA provided data. Among DANs, EOS, MBRSC, and AIT provided their VAPs.

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

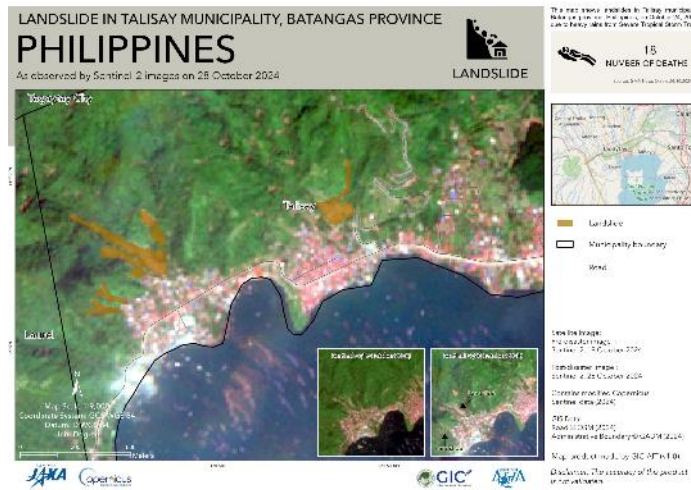
<https://sentinel-asia.org/EO/2024/article20241024PH.html>



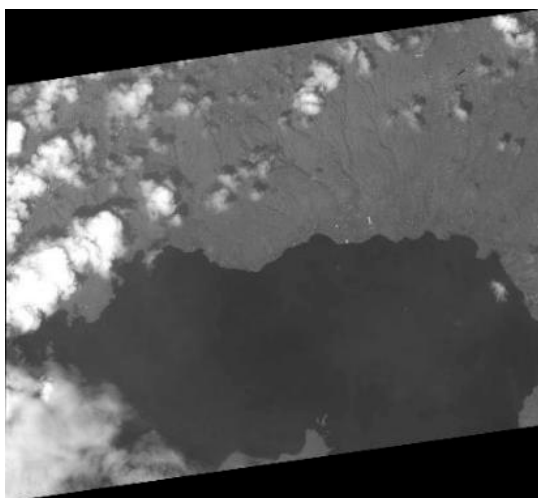
Value-Added Product by MBRSC



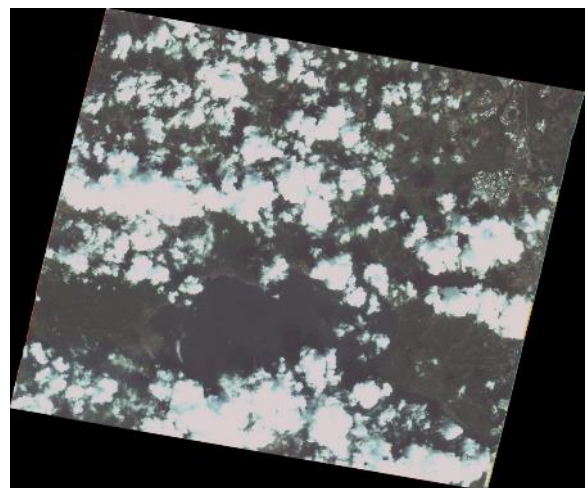
Value-Added Product by EOS



Value-Added Product by AIT



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



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

(4) [Lewotobi Laki-laki Volcano Eruption in Indonesia on 3 November, 2024 \(GLIDE Number VO-2024-000202-IDN\)](#)

Mount Lewotobi Laki-laki erupted on 3 November in East Flores, East Nusa Tenggara, Indonesia. Asia News Network reported that a volcanic material column had reached 6,000 meters above the crater and lava flows toward the northeast had reached 4,340 m from the eruption center. The danger zone radius expanded to 9 kilometers from the summit of the mountain.

<https://asianews.network/indonesias-mount-lewotobi-exclusion-zone-widened/>

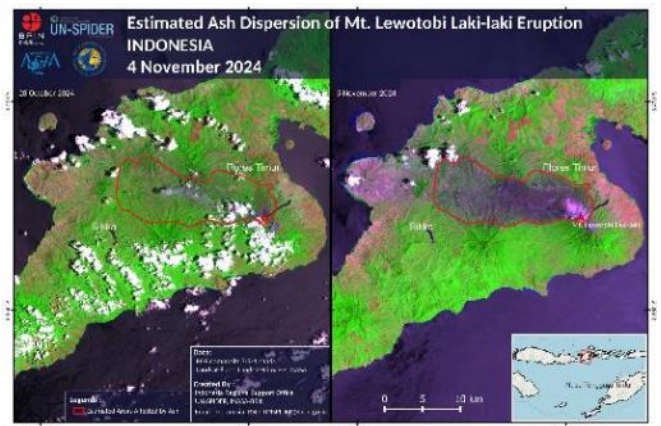
ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre) made an EOR to Sentinel Asia on 5 November. This EOR was escalated to the International Disasters Charter. National Research and Innovation Agency of Indonesia (BRIN) assumed the role of Project Manager for this Charter activation. Among DPNs, CRISP, GISTDA, ISRO, and JAXA provided data. Among DANs, AIT, BRIN, EOS, and MBRSC provided their VAPs.

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

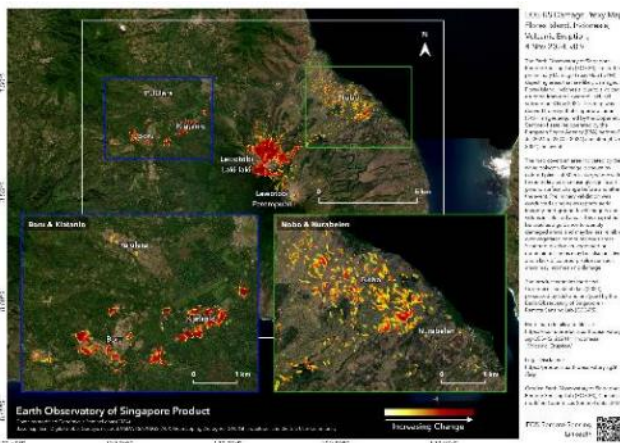
<https://sentinel-asia.org/EO/2024/article20241103ID.html>



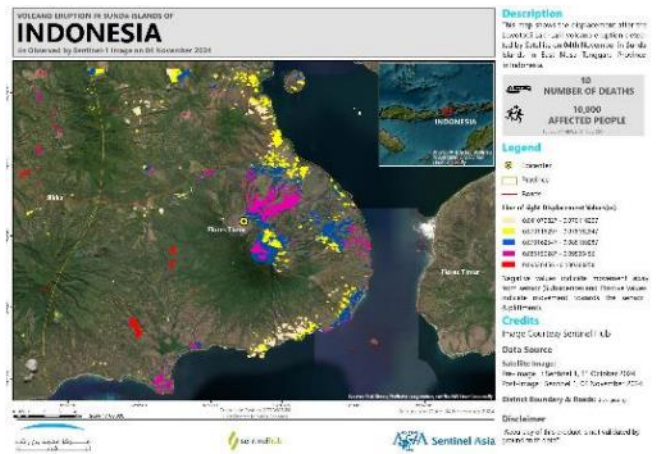
Value-Added Product by AIT



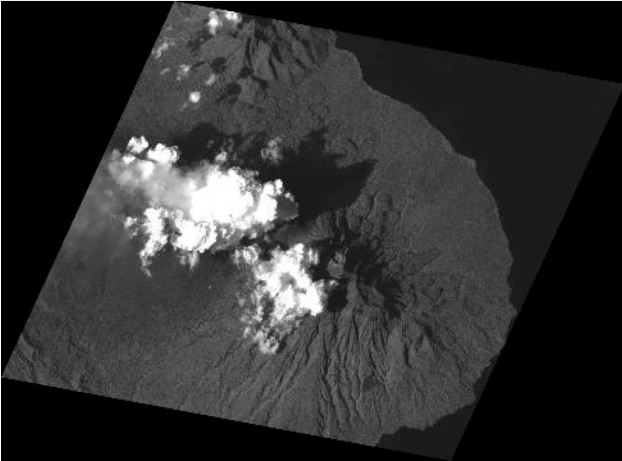
Value-Added Product by BRIN



Value-Added Product by EOS



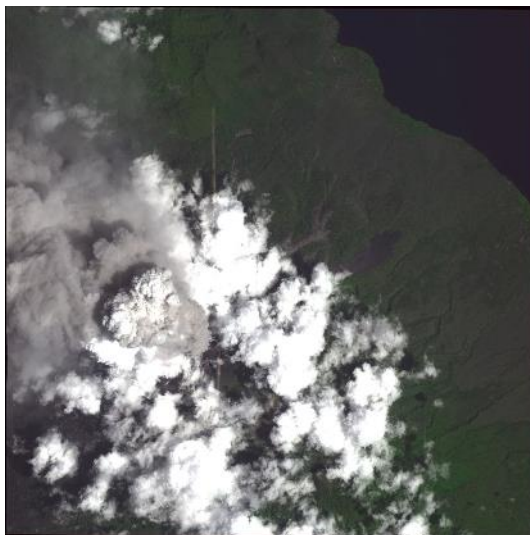
Value-Added Product by MBRSC



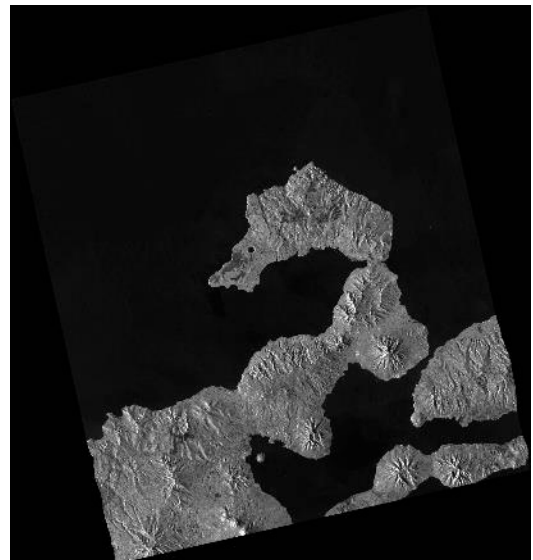
Post-disaster satellite image (TELEOS-1)
provided by CRISP



Post-disaster satellite image (THEOS1) provided
by GISTDA



Post-disaster satellite image
(CARTOSAT-2E) provided by ISRO



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

(5) Flood and Landslide in Philippines on 11 November, 2024 (GLIDE Number [TC-2024-000208-PHL](#))

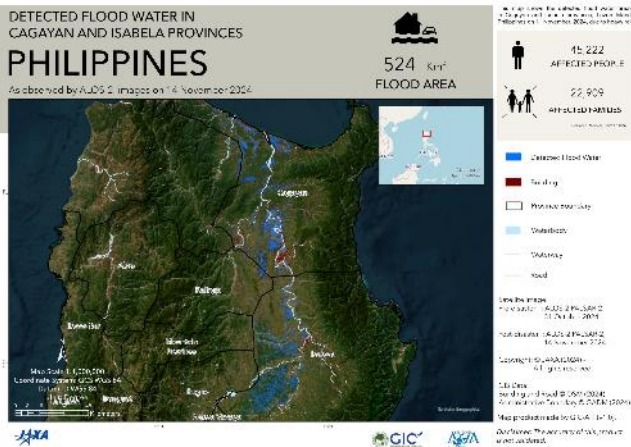
Typhoon Ofel (international name: Usagi) made landfall on Luzon island, the Philippines, on 14 November. DW reported that more than 24,000 people have been evacuated from Cagayan province in the northern Luzon region.

<https://www.dw.com/en/mass-evacuations-as-typhoon-usagi-hits-philippines/a-70775901>

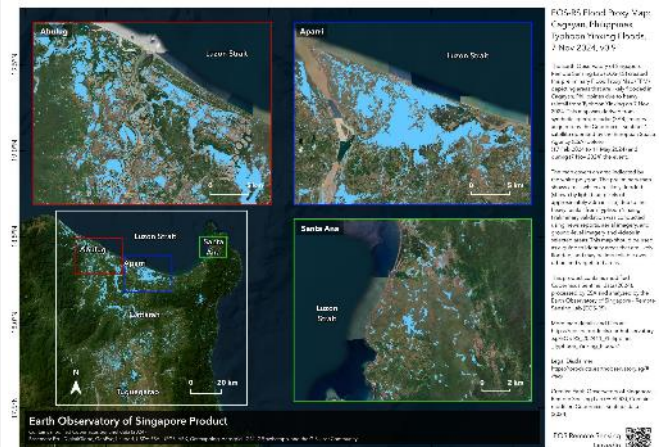
PhilSA made an EOR to Sentinel Asia on 11 November in anticipation of landfall on the Philippines. Among DPNs, ISRO, JAXA, and TASA provided data. Among DANs, AIT, EOS, and JAXA provided their VAPs.

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

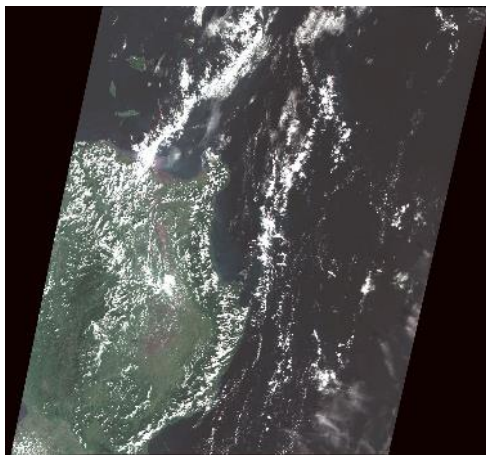
<https://sentinel-asia.org/EO/2024/article20241111PH.html>



Value-Added Product by AIT



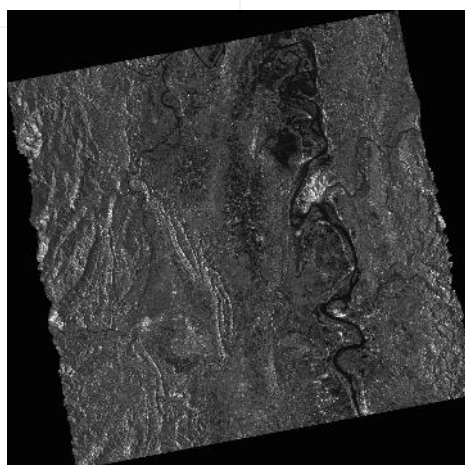
Value-Added Product by EOS



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



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



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

(6) Flood by Typhoon Man-yi in Philippines on 16 November, 2024 (GLIDE Number [TC-2024-000213-PHL](#))

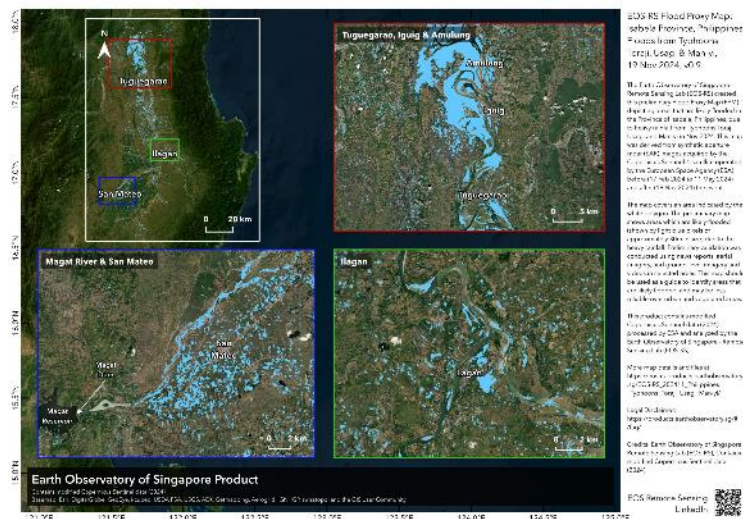
Super Typhoon Man-yi, (Philippine name: Pepito) made landfall on Luzon Island, the Philippines, on 16 November, bringing heavy rainfall. The typhoon triggered the evacuation of over 1 million people and caused significant damage to buildings in multiple areas. According to ABS-CBN news, more than 24,000 families, or 75,000 people, are staying in 566 evacuation centers and another 11,000 families or 36,000 people are sheltering with relatives or with friends.

<https://news.abs-cbn.com/news/2024/11/17/ndrrmc-more-than-24k-families-in-shelters-due-to-series-of-storms-1532>

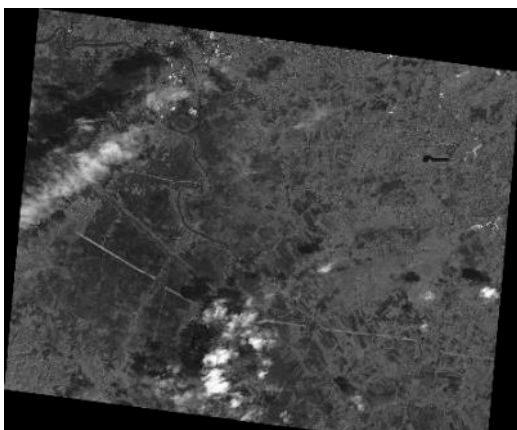
PhilSA made an EOR to Sentinel Asia on 16 November. Among DPNs, CRISP and TASA provided data. Among DANs, EOS provided its VAPs.

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

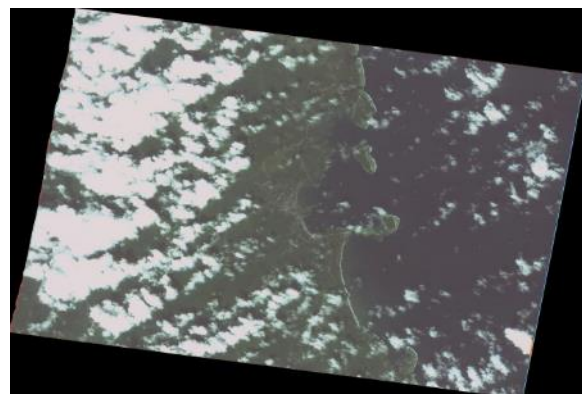
<https://sentinel-asia.org/EO/2024/article20241116PH.html>



Value-Added Product by EOS



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



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

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2. [Event] JPTM 2024 was successfully held

The 9th Joint Project Team Meeting for Sentinel Asia STEP3 (JPTM 2024) was held on 5–7 November in Quezon City, the Philippines, co-hosted by the Philippine Space Agency (PhilSA) and Japan Aerospace Exploration Agency (JAXA). A record 135 participants from 40 organizations gathered.



Participants at JPTM 2024

The meeting started with opening remarks by two co-chairs, Dr. Ariel C. Blanco, Director of PhilSA-SIIB, and Dr. Shiro Kawakita, acting Executive Secretary of Sentinel Asia. Dr. Joel Joseph Marciano, Jr., Director General of PhilSA, delivered a keynote speech emphasizing the importance of harnessing satellites and collaboration for regional disaster resilience and stressed the usefulness of Sentinel Asia with an introduction of the Philippines’ space activities and various accomplishments. The meeting consisted of four sessions - overview, new membership, user’s session, and special session (Philippine session) - and 10 training workshops offering opportunities to learn about the studies by Sentinel Asia members.

Mr. Goro Takei from the Sentinel Asia secretariat reported on the recent activities of Sentinel Asia and its Steering Committee. And as new members to Sentinel Asia, Institute of Water Modelling (IWM), Bangladesh, National Center for Hydrology and Meteorology (NCHM), Bhutan, and National Disaster Risk Management Office (NDRMO), Tonga, introduced their organizations and activities. In the special Philippine session titled “Space for DRRM: The Philippine Perspective”, six panelists from various Filipino organizations who are engaged in disaster management talked about their activities and experiences, with the moderation by Ms.

Princess Angela Young, PhilSA.



The Philippine Session

At the user session, the presenters introduced their activities relating to space activities and disaster management, including the promotion of Sentinel Asia.

Ten training workshops were held over two days and the presenters introduced their activities for Sentinel Asia, shared experiences, and some lecturers including Mr. Syams Nashrullah Suprijatna from the Geoinformatics Center at Asian Institute of Technology (GIC-AIT), Mr. Kabir Uddin from the International Centre for Integrated Mountain Development (ICIMOD), and Prof. Masahiko Nagai and Dr. Arnob Bormudoj from Yamaguchi University gave hands-on training on satellite data analysis.



Training workshop on SAR data analysis by Yamaguchi University

