

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

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Topics:

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

(1) Flood in Bangladesh on 21 August, 2024 (GLIDE Number [FL-2024-000088-BGD](https://sentinel-asia.org/EO/2024/article20240821BD.html))

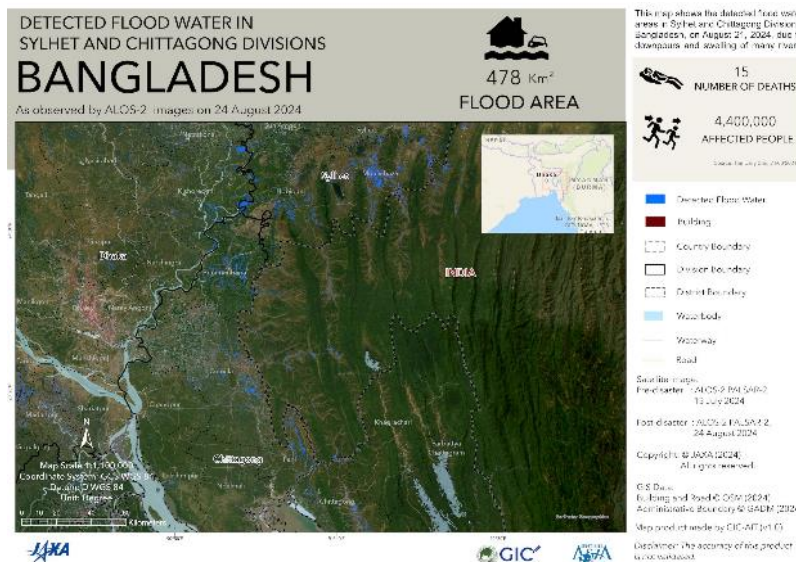
On 21 August, the Daily Star reported that more than 1.9 million people were stranded in Noakhali, Bangladesh, due to flooding caused by incessant rains and rising water levels in several rivers, including the Chhota Feni river.

<https://www.thedailystar.net/environment/climate-crisis/natural-disaster/news/3-million-stranded-flood-hits-eight-districts-3683166>

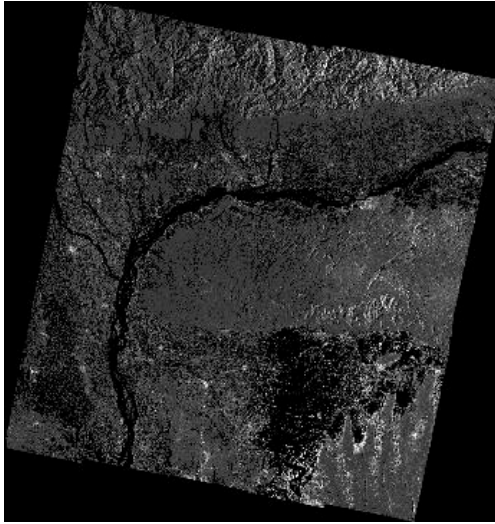
The Bangladesh Water Development Board (BWDB) made an Emergency Observation Request (EOR) to Sentinel Asia on 22 August. Among Data Provider Nodes (DPNs), JAXA, ISRO, and TASA provided data. Among Data Analysis Nodes (DANs), AIT, IWM, ICIMOD, and MBRSC provided their Value-Added Products (VAPs).

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

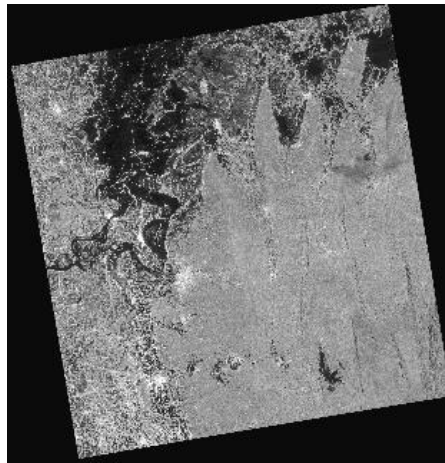
<https://sentinel-asia.org/EO/2024/article20240821BD.html>



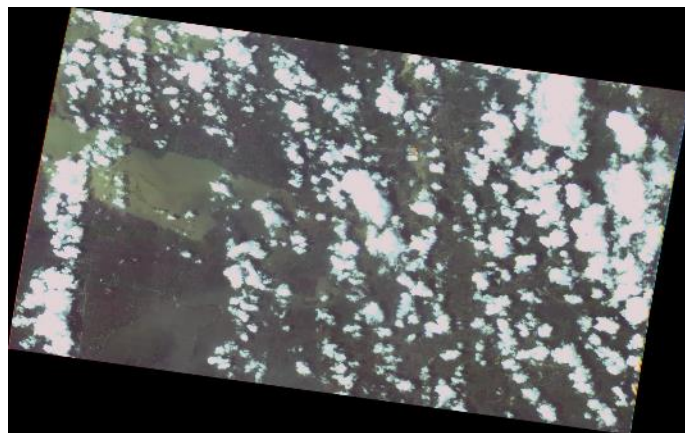
Value-Added Product by AIT



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



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



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

(2) Flood and Landslide in Thai Nguyen City, Vietnam, on 23 August, 2024 (GLIDE Number [FL-2024-000155-VNM](#))

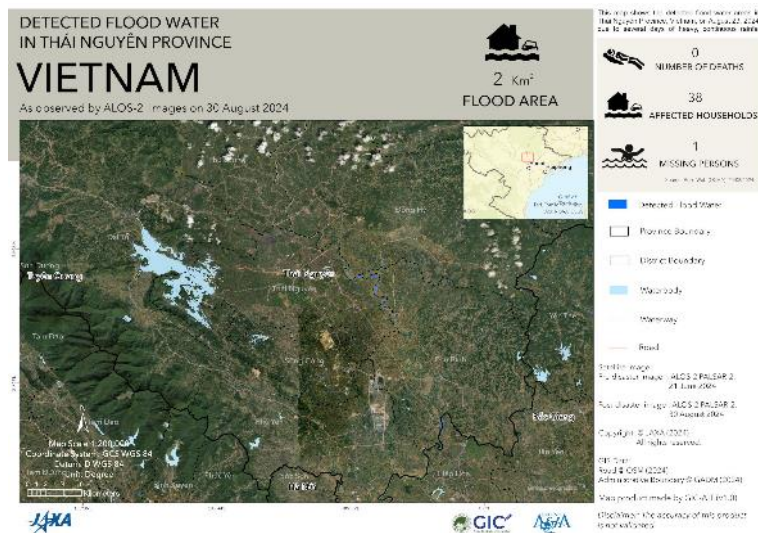
According to VNEXPRESS, heavy rains that have been falling since 22 August have caused water levels to rise sharply in Thai Nguyen of Vietnam, with several major roads submerged in 40-60 cm of water.

<https://e.vnexpress.net/news/news/environment/cars-swept-away-by-floods-after-heavy-rains-batter-northern-vietnam-4784741.html>

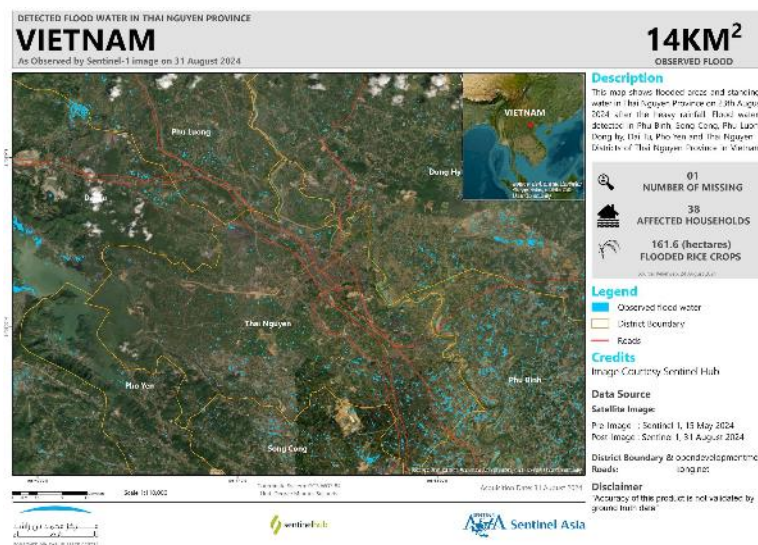
The Ministry of Natural Resources and Environment of Vietnam (MONRE) made an EOR to Sentinel Asia on 23 August. Among DPNs, JAXA, GISTDA, CRISP, and TASA provided data. Among DANs, JAXA, AIT, and MBRSC provided their VAPs.

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

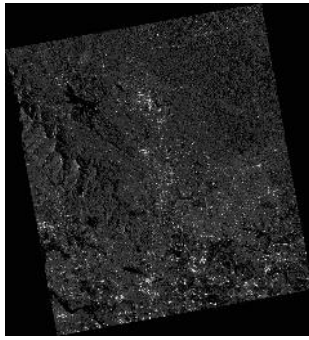
<https://sentinel-asia.org/EO/2024/article20240823VN.html>



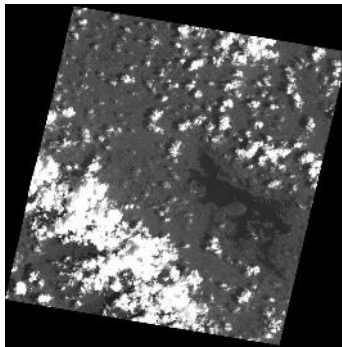
Value-Added Product by AIT



Value-Added Product by MBRSC



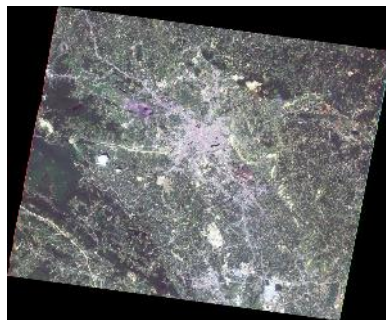
Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (THEOS1) provided by GISTDA



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



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

(3) Avalanche blocks Boksi River in Mustang, Nepal, on 23 August, 2024 (GLIDE Number [AV-2024-000157-NPL](#))

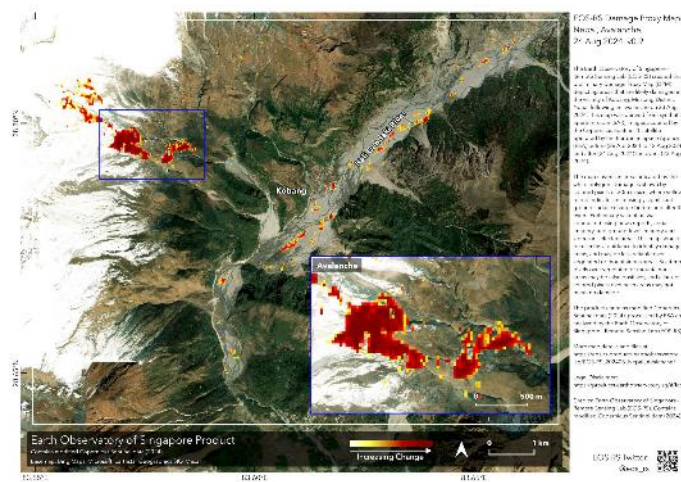
As reported in the Kathmandu Post, an avalanche from the Dhaulagiri Icefall blocked about 80% of the flow of the Boksikhola on 23 August. There is no immediate danger, but if the lake created by the avalanche breaks, flash flooding could occur downstream.

<https://kathmandupost.com/national/2024/08/23/avalanche-blocks-river-in-mustang>

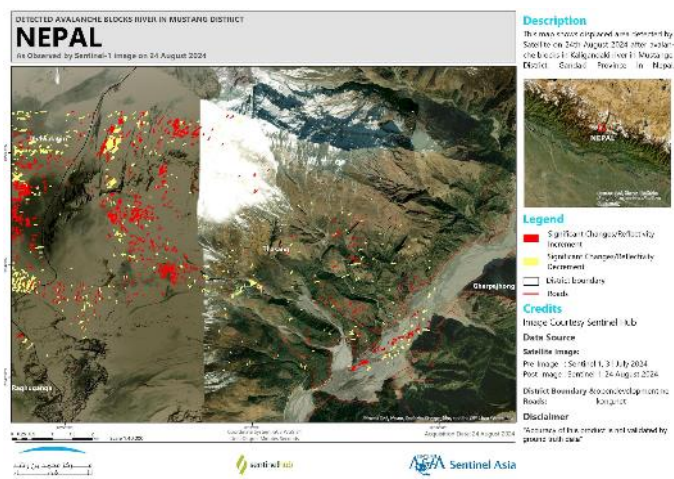
The department of Hydrology and Meteorology (DHM), Ministry of Energy, Water Resources and Irrigation (MoEWRI) made an EOR to Sentinel Asia on 24 August. Among DPNs, JAXA provided data. Among DANs, EOS, JAXA, and MBRSC provided their VAPs.

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

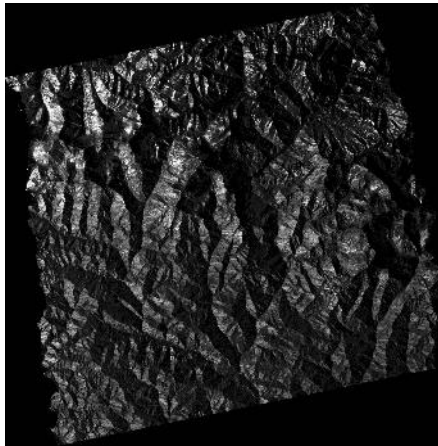
<https://sentinel-asia.org/EO/2024/article20240823NP.html>



Value-Added Product by EOS



Value-Added Product by MBRSC



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

(4) Flood and Landslide in Cao Bang City, Vietnam, on 24 August, 2024 (GLIDE Number [FL-2024-000155-VNM](#))

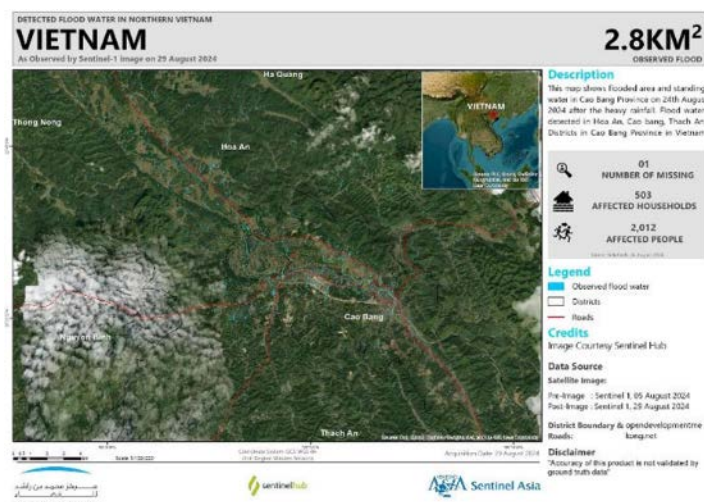
VietNamNet reported that the Cao Bang city in Vietnam was hit by heavy flooding due to torrential rains that began on 23 August, damaging more than 190 houses and about 400 hectares of crops and vegetation.

<https://vietnamnet.vn/en/cao-bang-city-faces-largest-flood-in-two-decades-nearly-200-homes-submerged-2315581.html>

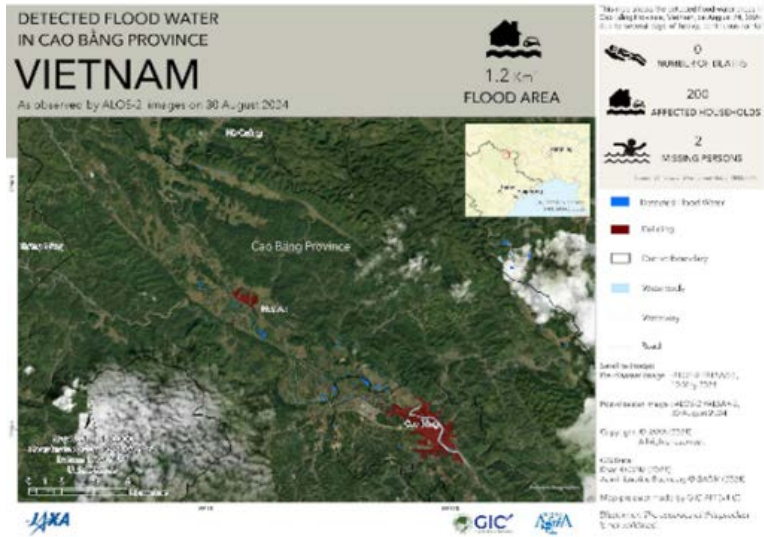
The Ministry of Natural Resources and Environment of Vietnam (MONRE) made an EOR to Sentinel Asia on 27 August. Among DPNs, JAXA, GISTDA, and ISRO provided data. Among DANs, MBRSC and AIT provided their VAPs.

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

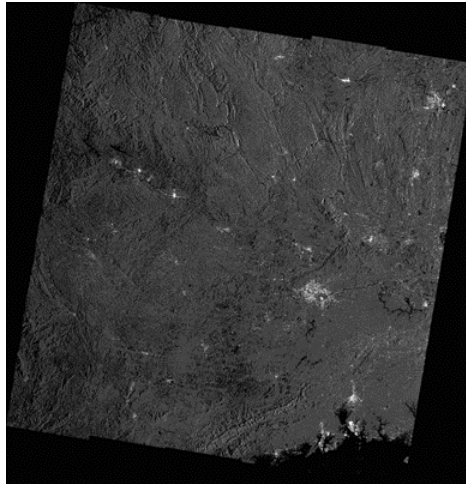
<https://sentinel-asia.org/EO/2024/article20240824VN.html>



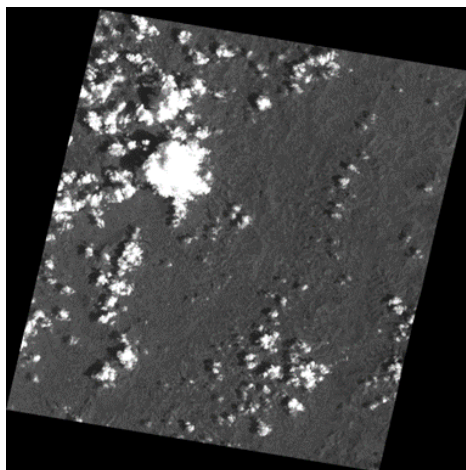
Value-Added Product by MBRSC



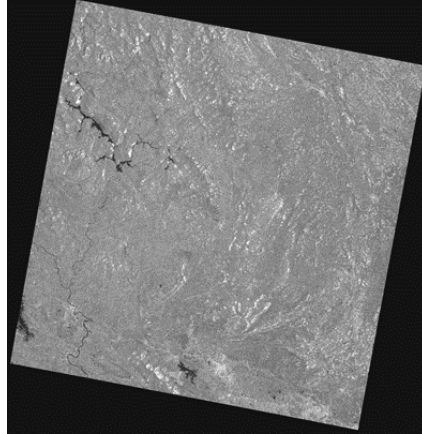
Value-Added Product by AIT



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



Post-disaster satellite image (THEOS1) provided by GISTDA



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

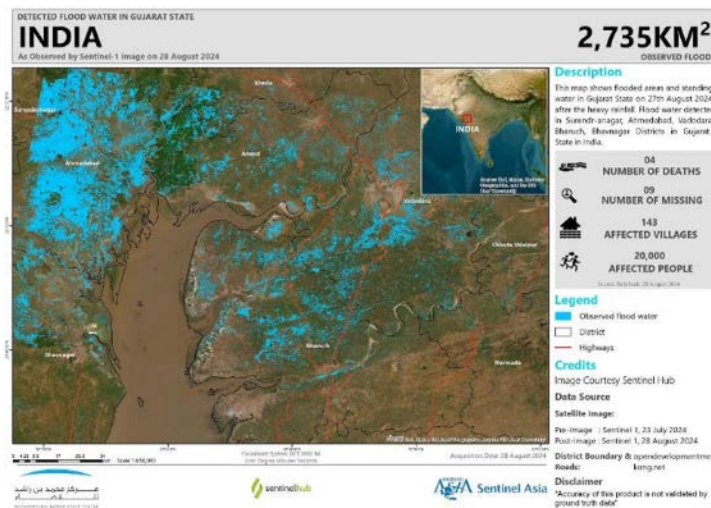
(5) Flood in Gujarat State, India, on 27 August, 2024 (GLIDE Number [FL-2024-000109-IND](#)) In Gujarat State of India, flooding caused by continuous rains has forced around 40,000 people to evacuate affected areas, and the death toll from rain-related incidents had risen to 28 as of 29 August, according to the Hindustan Times.

<https://www.hindustantimes.com/india-news/gujarat-flood-toll-rises-to-28-with-over-40-000-displaced-101724870697067.html>

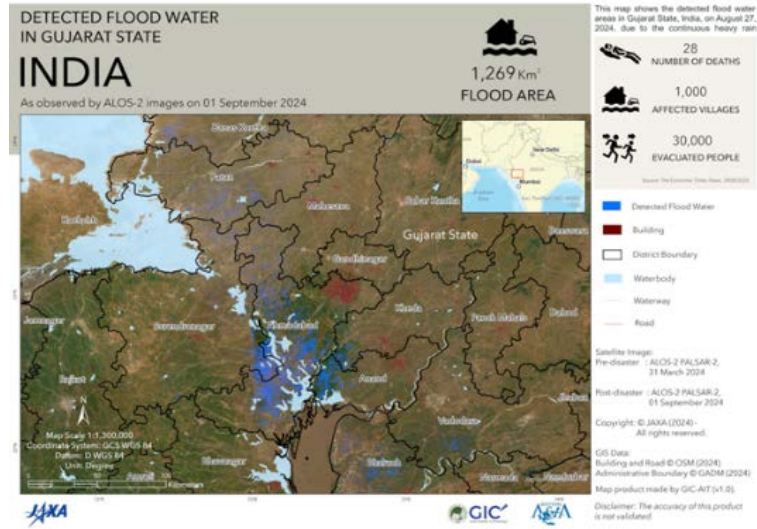
The ISRO made an EOR to Sentinel Asia on 29 August. Among DPNs, JAXA and TASA provided data. Among DANs, MBRSC and AIT provided their VAPs.

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

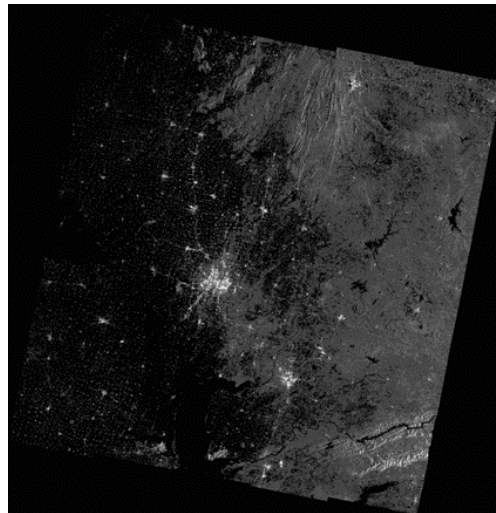
<https://sentinel-asia.org/EO/2024/article20240827IN.html>



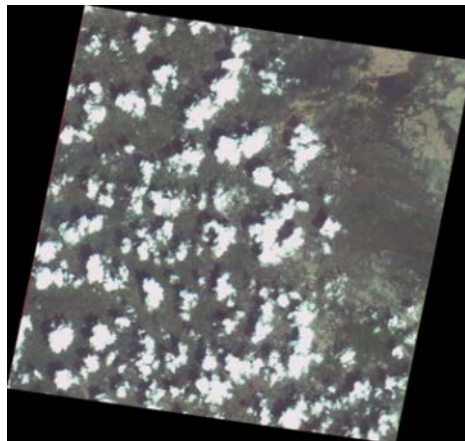
Value-Added Product by MBRSC



Value-Added Product by AIT



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



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

(6) Tropical Storm Floods in Philippines on 1 September, 2024 (GLIDE Number [TC-2024-000161-PHL](#))

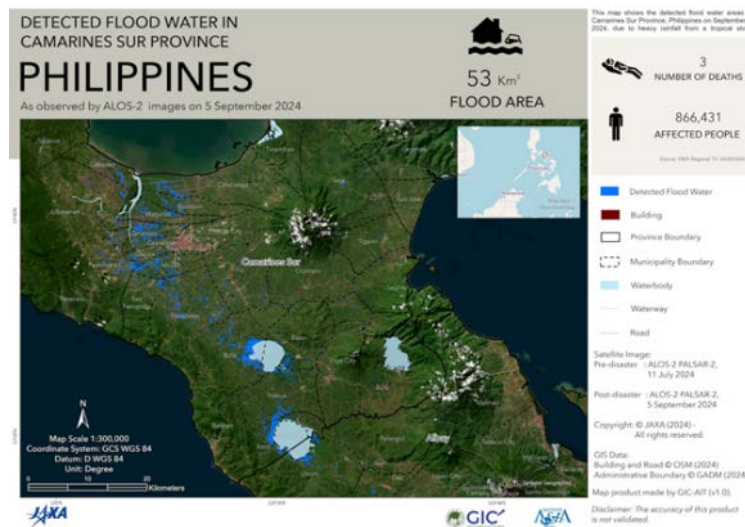
Tropical Storm Yagi caused flooding and other devastation across much of the Philippines, leaving at least 10 people dead in Calabarzon, Central Visayas, and Western Visayas as of 1 September, according to the Cebu Daily News.

<https://cebudailynews.inquirer.net/593103/live-updates-enteng>

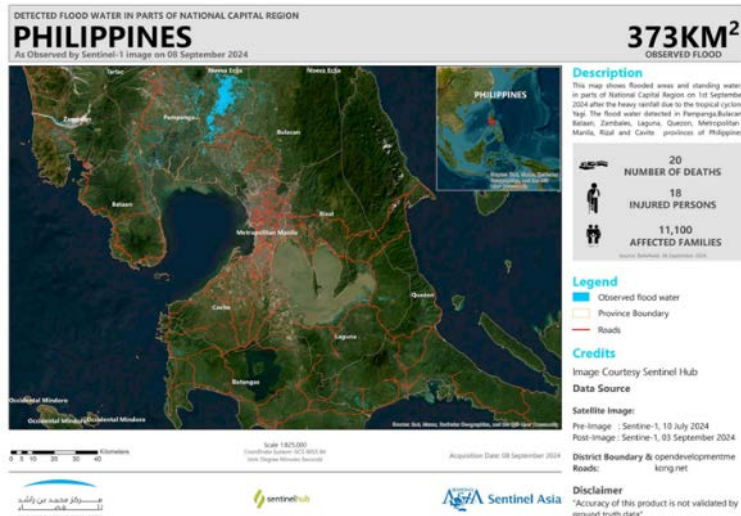
The Philippine Space Agency (PhilSA) made an EOR to Sentinel Asia on 2 September. Among DPNs, JAXA, ISRO, and TASA provided data. Among DANs, AIT and MBRSC provided their VAPs.

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

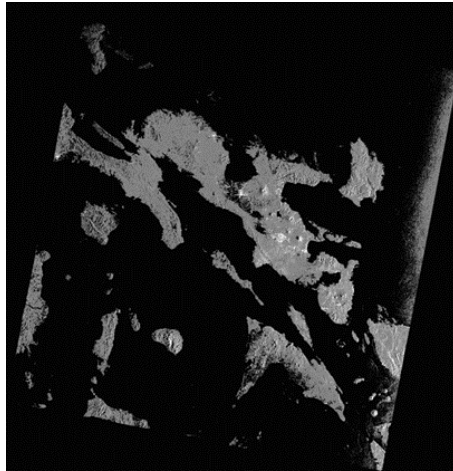
<https://sentinel-asia.org/EO/2024/article20240901PH.html>



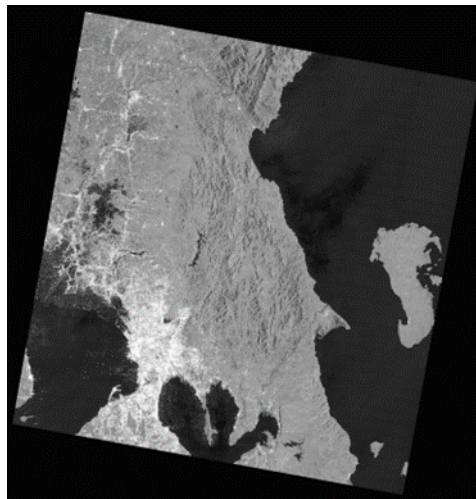
Value-Added Product by AIT



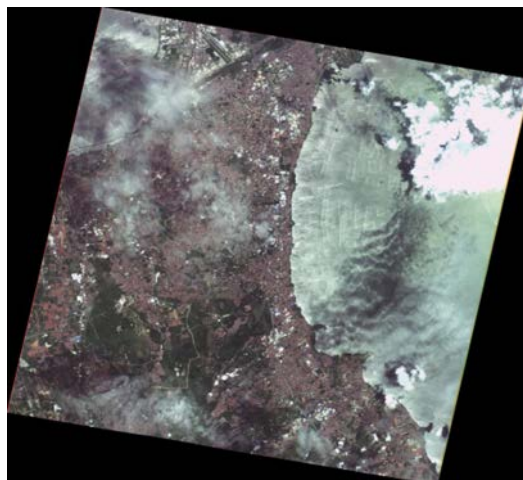
Value-Added Product by MBRSC



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



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



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

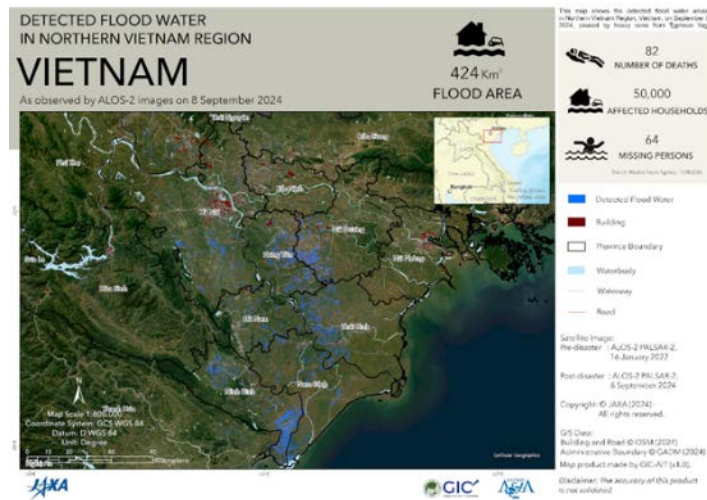
(7) Tropical Storm Floods in Vietnam on 8 September, 2024 (GLIDE Number [TC-2024-000161-VNM](#))

VNExpress reported that Tropical Storm Yagi entered Vietnamese waters on 3 September, and since its landfall has caused torrential rains, flooding, and landslides in the north, including the capital Hanoi. As of 11 September, the death toll from the storm had risen to 197, with 128 people remaining missing.

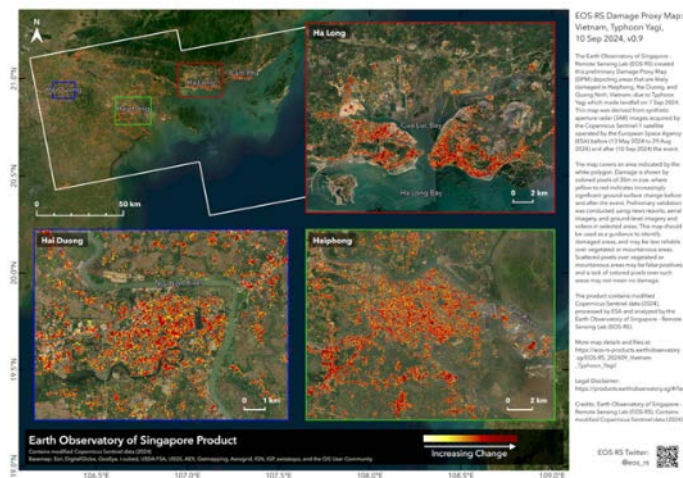
<https://e.vnexpress.net/photo/environment/650-rescuers-dig-through-mud-for-victims-as-flash-flood-wipes-out-lao-cai-village-4791977.html>

The Ministry of Natural Resources and Environment of Vietnam (MONRE) made an EOR to Sentinel Asia on 4 September. This EOR was escalated to the International Disasters Charter. MONRE assumed the role of Project Manager for this Charter activation. Among DPNs, JAXA provided data. Among DANs, JAXA, AIT, EOS, and MBRSC provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

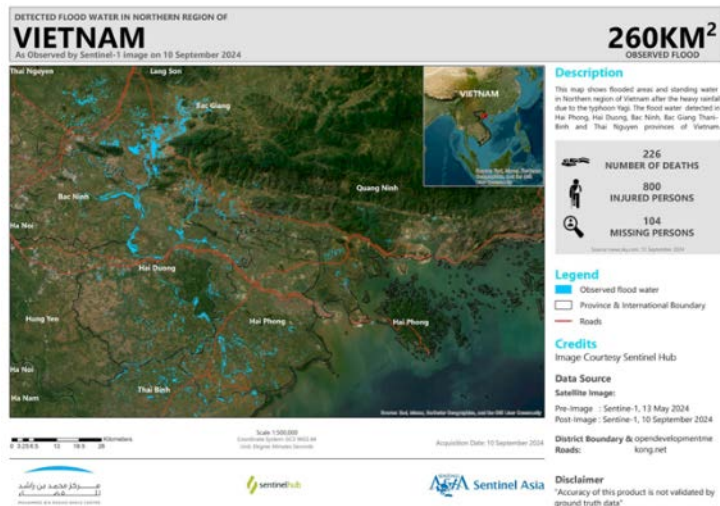
<https://sentinel-asia.org/EO/2024/article20240908VN.html>



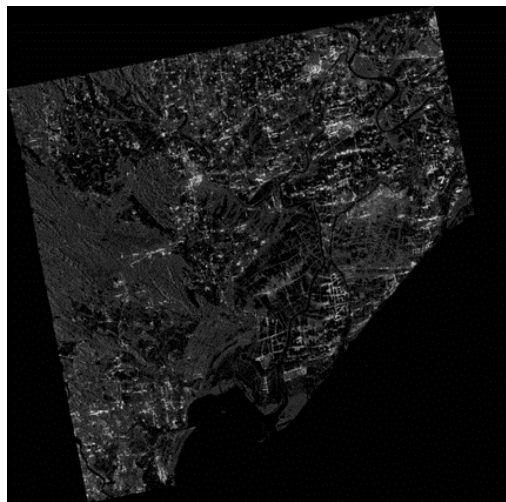
Value-Added Product by AIT



Value-Added Product by EOS



Value-Added Product by MBRSC



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

(8) Flood in Northern Thailand, Thailand, on 10 September, 2024 (GLIDE Number [TC-2024-000161-THA](#))

According to the Bangkok Post, prolonged rains have caused river overflows, floods, and landslides in the northern provinces of Chiang Rai and Chiang Mai, killing at least six people as of 12 September.

<https://www.bangkokpost.com/thailand/general/2863563/deadly-landslides-floods-in-storm-hit-north>

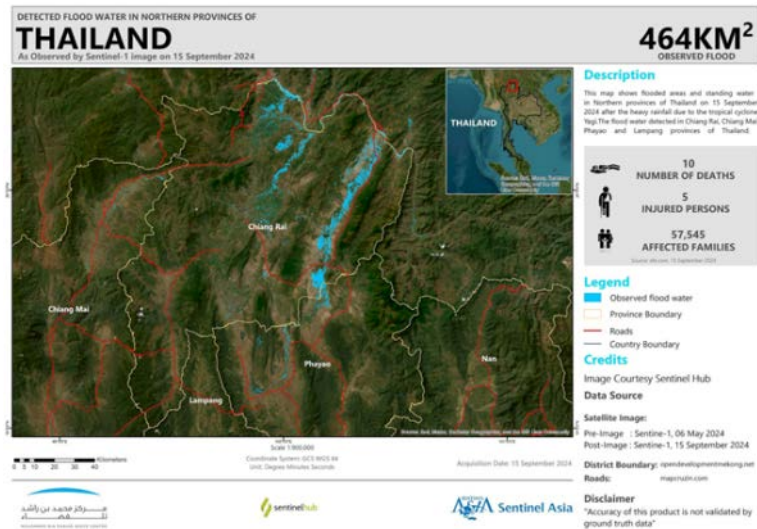
The Geo-Informatics and Space Technology Development Agency (GISTDA) made an EOR to Sentinel Asia on 12 September. Among DPNs, JAXA, TASA, ISRO, and MBRSC provided data. Among DANs, AIT and MBRSC provided their VAPs.

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

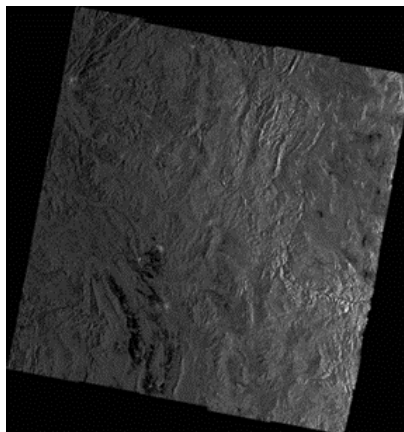
<https://sentinel-asia.org/EO/2024/article20240910TH.html>



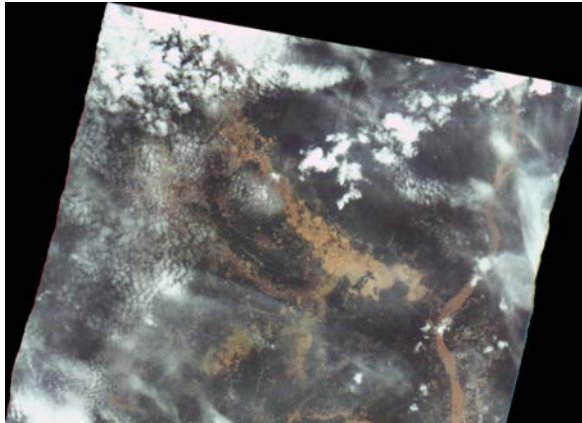
Value-Added Product by AIT



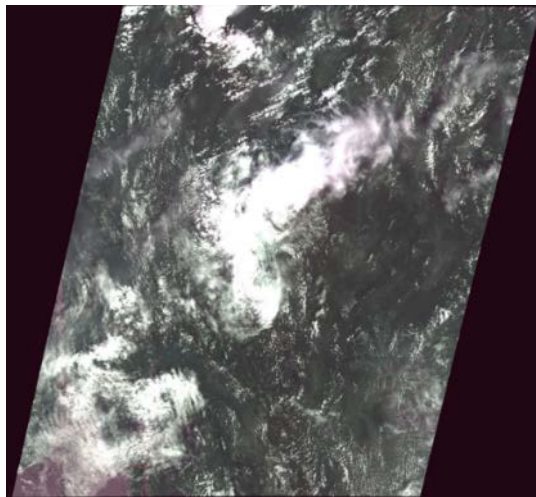
Value-Added Product by MBRSC



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



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



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



Post-disaster satellite image (KhalifaSat) provided by MBRSC

(9) Flood in Naypyidaw, Myanmar, on 11 September, 2024 (GLIDE Number [TC-2024-000161-MMR](#))

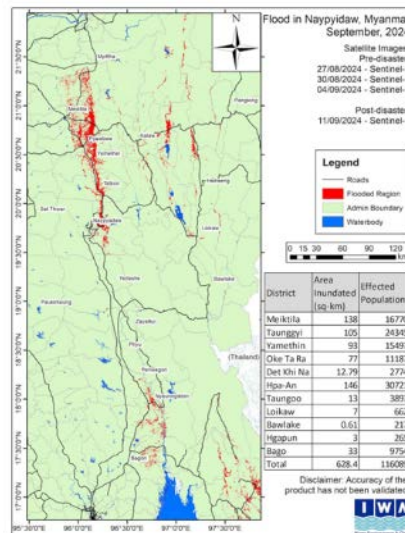
Tropical Storm Yagi, the strongest storm to hit Asia so far this year, weakened to a tropical depression after making landfall and dumped heavy rains over eastern and central Myanmar on 10 September, causing severe flooding in Shan State, Kayah State, and Naypyidaw, Burma News reported. In Shan State, more than 170 villages around Inle lake were inundated.

<https://www.bnionline.net/en/news/more-170-villages-around-inle-lake-flooded>

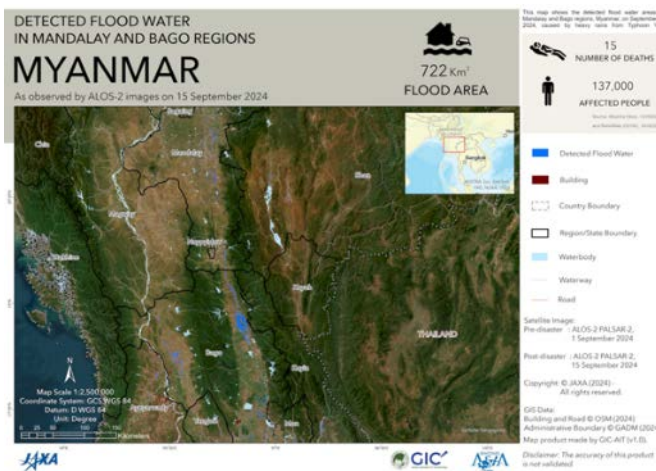
The Myanmar Information Management Unit (MIMU) made an EOR to Sentinel Asia on 12 September. Among DPNs, JAXA, TASA, ISRO, and CRISP provided data. Among DANs, IWM, AIT, MBRSC, EOS, and [WFP](#) provided their VAPs.

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

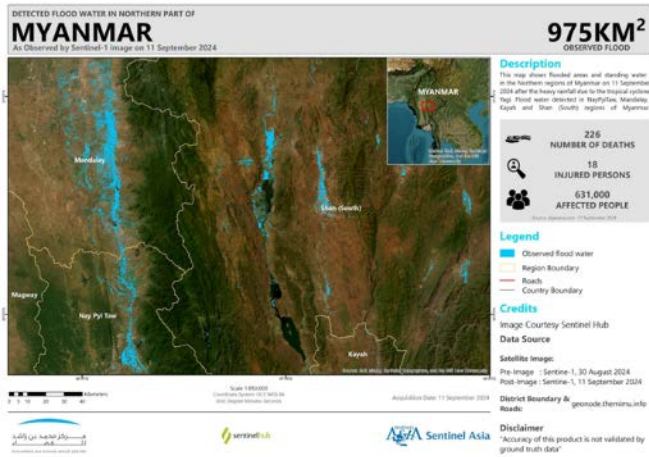
<https://sentinel-asia.org/EO/2024/article20240911MM.html>



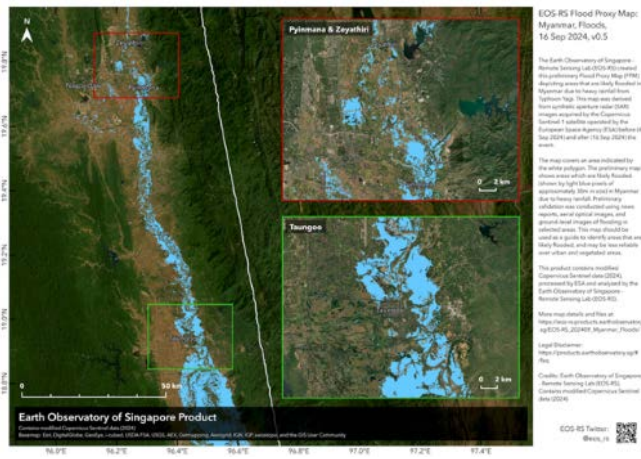
Value-Added Product by IWM



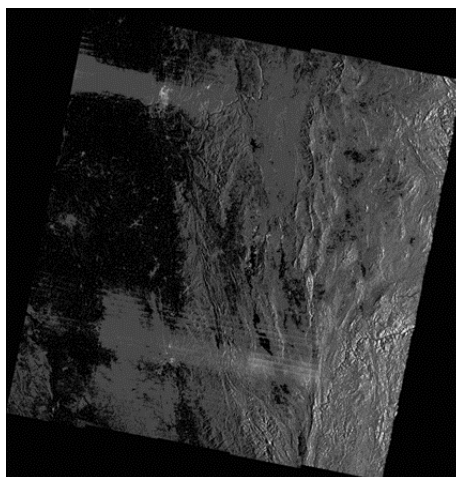
Value-Added Product by AIT



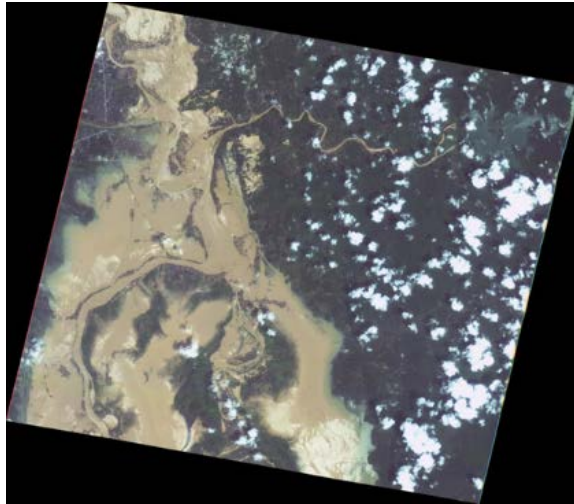
Value-Added Product by MBRSC



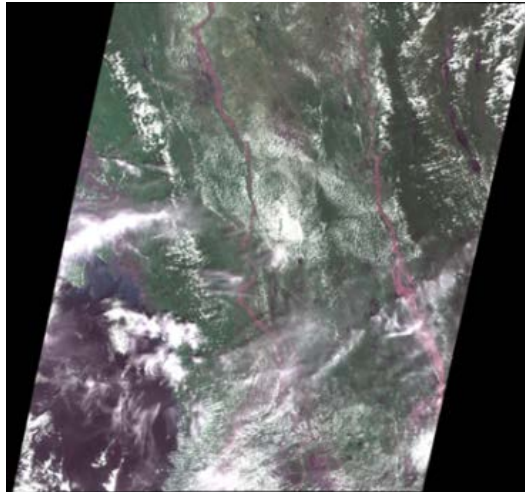
Value-Added Product by EOS



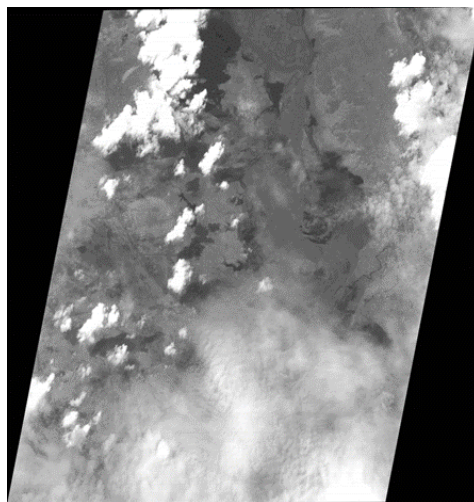
Post-disaster satellite image (ALOS-2) provided by JAXA



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



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



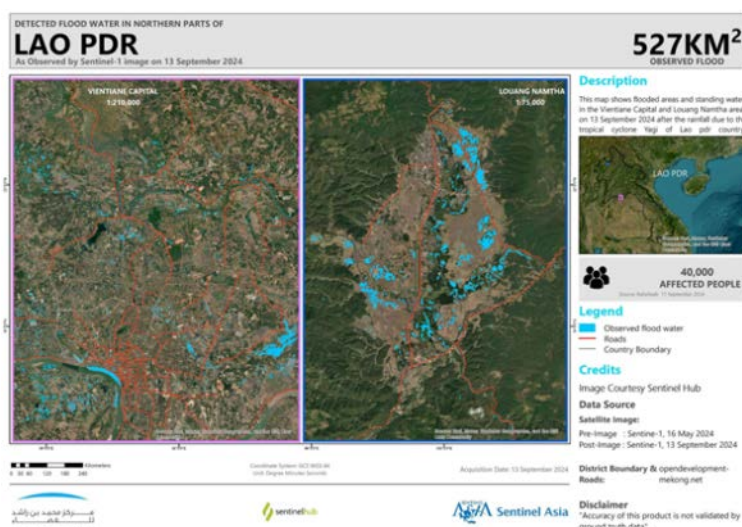
Post-disaster satellite image (TELEOS-1) provided by CRISP

(10) Flood in Lao PDR (Laos) on 12 September, 2024 (GLIDE Number [TC-2024-000161-LAO](#)) According to Vientiane Times, water levels in the Mekong River and its tributaries are expected to rise on 12-13 September, and local authorities in Laos have advised residents in low-lying areas to prepare to move their belongings to safer areas, as many homes have already been affected by flooding in the wake of Tropical Storm Yagi. On 9 September, floods and landslides occurred in Luang Namtha province, where recovery efforts are still ongoing.

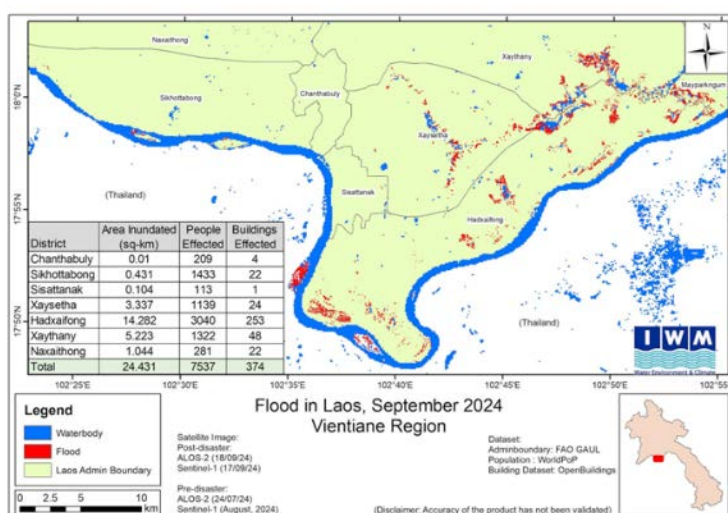
<https://asianews.network/mekong-overflows-in-laos-luang-prabang-further-flooding-expected/>

The ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre) made an EOR to Sentinel Asia on 13 September. Among DPNs, JAXA and TASA provided data. Among DANs, MBRSC, IWM, and AIT provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

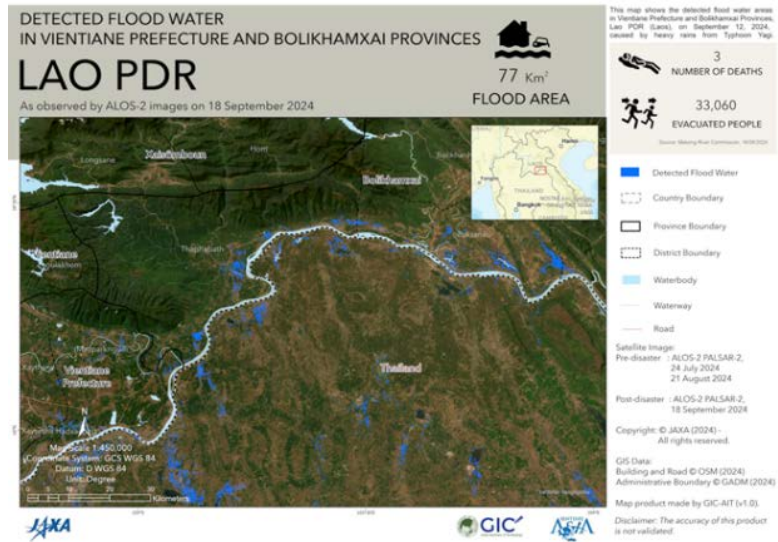
<https://sentinel-asia.org/EO/2024/article20240912LA.html>



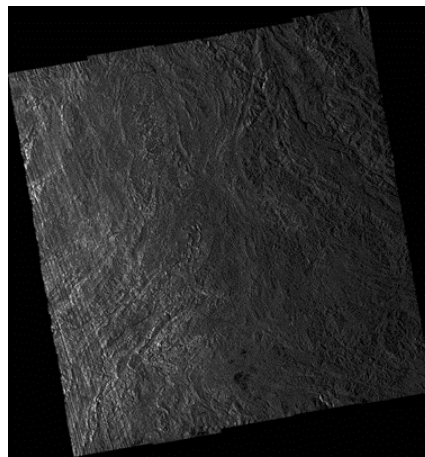
Value-Added Product by MBRSC



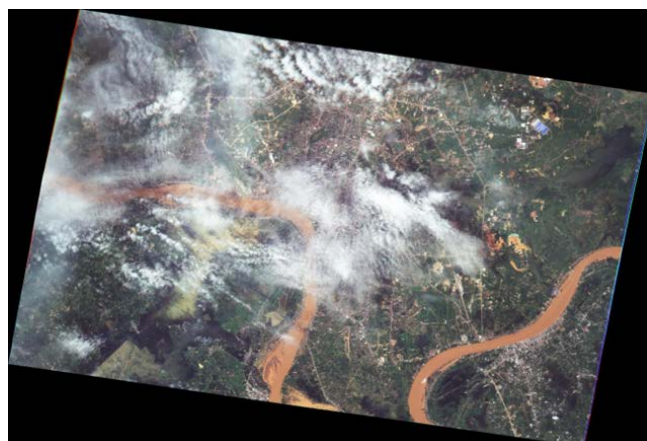
Value-Added Product by IWM



Value-Added Product by AIT



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



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

(11) Tropical Storm Floods in Central Vietnam on 19 September, 2024 (GLIDE Number [TC-2024-000172-VNM](#))

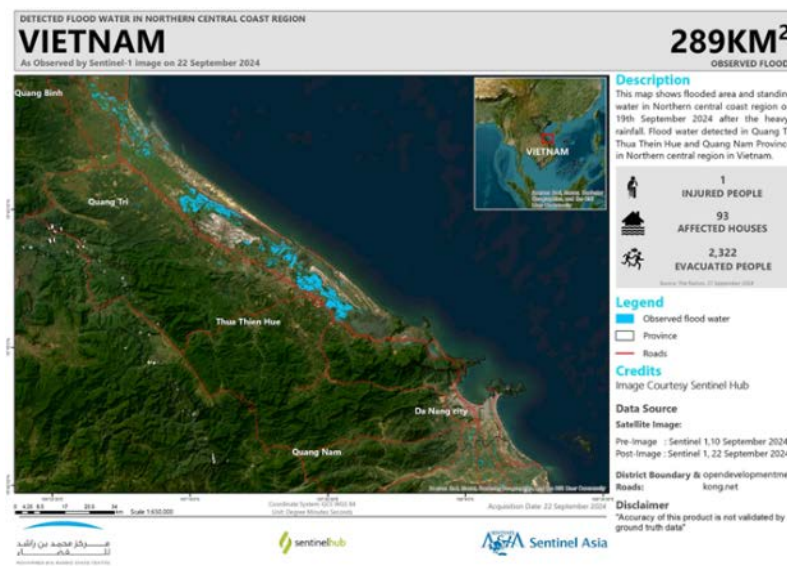
Since making landfall, Tropical Storm Soulik has damaged 96 homes and 16 roads and caused more than 100 landslides in central Vietnam as of 20 September, in accordance with Viet Nam News.

<https://vietnamnews.vn/environment/1663415/central-region-provinces-flooded-and-cut-off-after-tropical-storm-soulik.html>

The Ministry of Natural Resources and Environment of Vietnam (MONRE) made an EOR to Sentinel Asia on 19 September. Among DPNs, JAXA provided data. Among DANs, MBRSC and EOS provided their VAPs.

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

<https://sentinel-asia.org/EO/2024/article20240919VN.html>



Value-Added Product by MBRSC



Value-Added Product by EOS

