

## **\*\* October 2022 News from Sentinel Asia Project Office \*\***

\_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \*

### **Topics:**

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

\_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \*

1. [News] Emergency Observation of Disasters (as of 28 October)

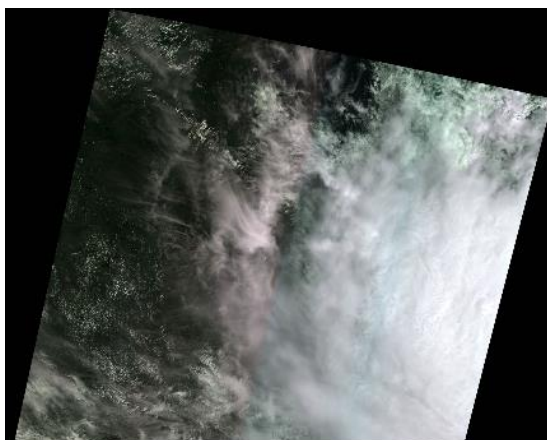
(1) Storm, Flood, and Landslide in Vietnam on 28 September, 2022 (GLIDE Number [TC-2022-000318-PHL](#))

After passing over the Philippines and the South China Sea, Typhoon Noru (Karding) made landfall in Vietnam. According to Channel News Asia, Noru was downgraded to a tropical depression, but there is still risk of flooding and landslides.

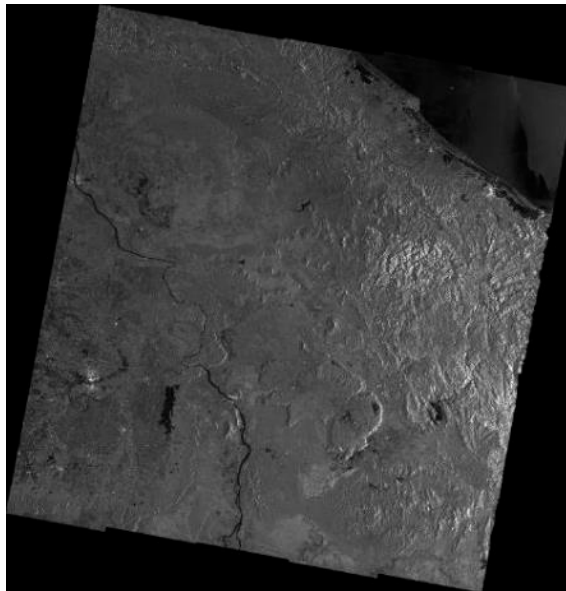
(<https://www.channelnewsasia.com/asia/typhoon-noru-vietnam-tropical-storm-flood-risk-2969821>)

The Ministry of Natural Resources and Environment (MONRE) made an Emergency Observation Request (EOR) to Sentinel Asia on 28 September. Among Data Provider Nodes (DPNs), Indian Space Research Organisation (ISRO), Japan Aerospace Exploration Agency (JAXA), and National Applied Research Laboratories (NARL) provided data. Among Data Analysis Nodes (DANs), the Asian Institute of Technology (AIT) and the Earth Observatory of Singapore (EOS) provided their Value-Added Products (VAPs). Information on the latest response by Sentinel Asia is available at the link below.

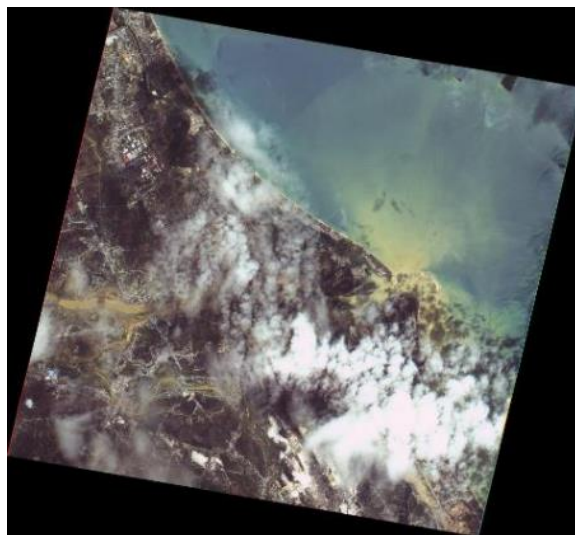
<https://sentinel-asia.org/EO/2022/article20220928VN.html>



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



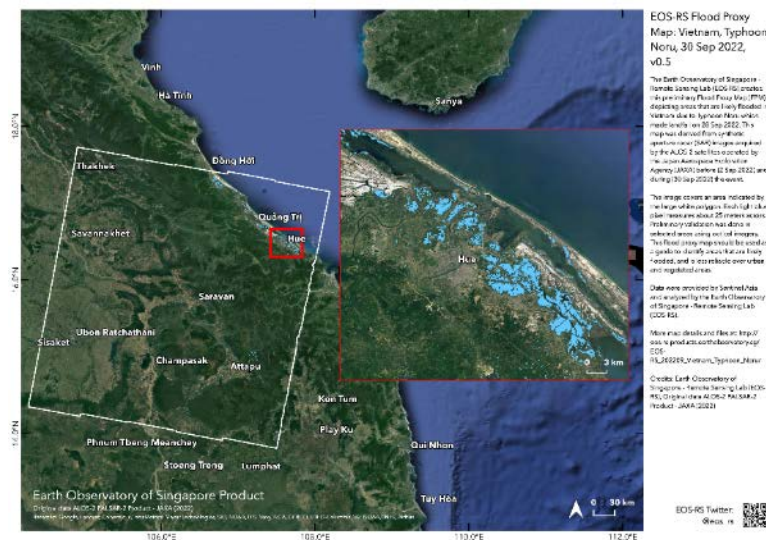
Post-disaster satellite image (ALOS-2) provided by JAXA



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



## Value-Added Product by AIT



Value-Added Product by EOS

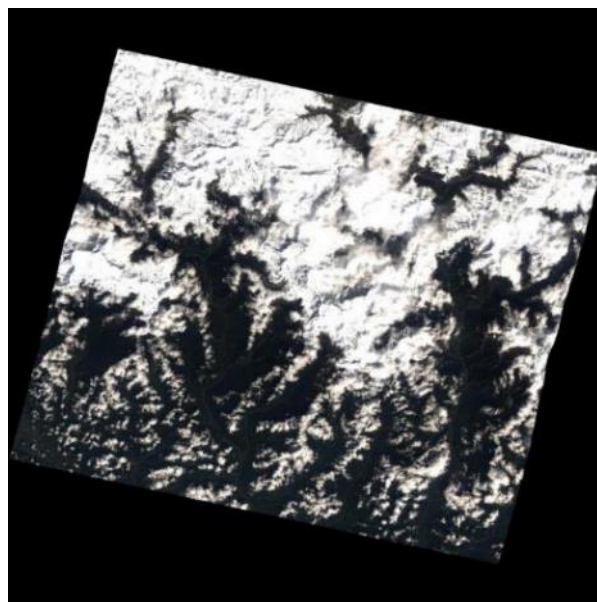
(2) Manaslu avalanche in Nepal on 2 October, 2022 (GLIDE Number [AV-2022-000329-NPL](https://glide.nasa.gov/en/20220929_000329-NPL))

On 26 September, a massive avalanche hit the climbing route near camps in the Mount Manaslu area in the Himalayas. One person died and 13 were injured, the Everest Chronicle reported.

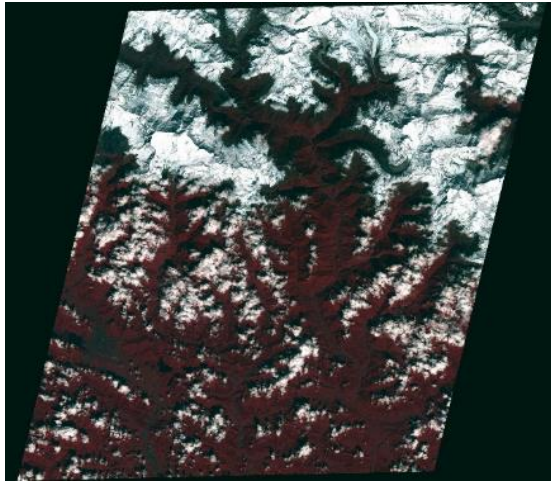
<https://everestchronicle.com/two-climbers-died-scores-injured-in-manaslu-avalanche/>

The Department of Hydrology and Meteorology (DHM) of Nepal made an EOR to Sentinel Asia on 9 October. Among DPNs, Geo-Informatics and Space Technology Development Agency (GISTDA), ISRO, JAXA, and NARL provided data. Among DANs, EOS provided its VAPs. Information on the latest response by Sentinel Asia is available at the link below.

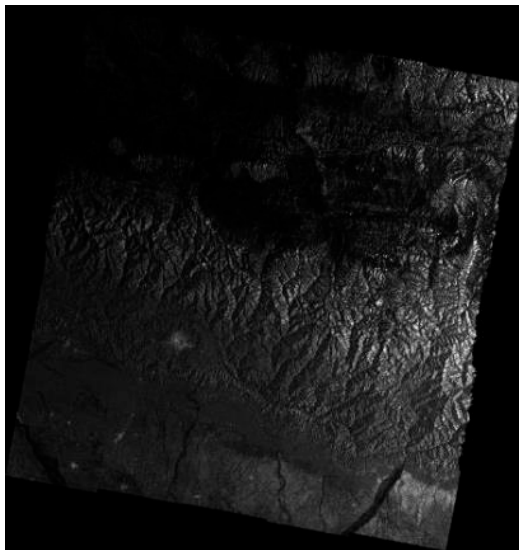
<https://sentinel-asia.org/EO/2022/article20221002NP.html>



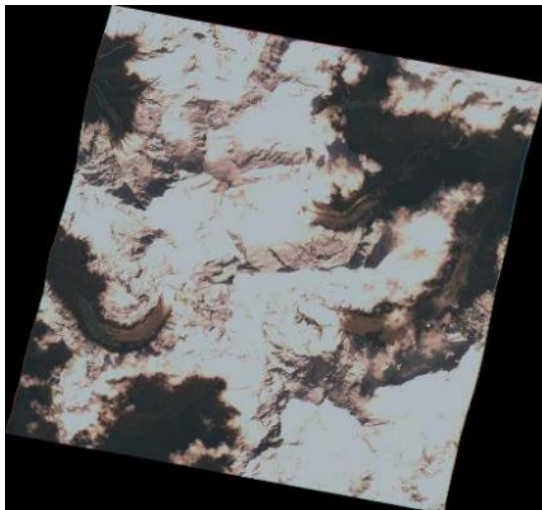
Post-disaster satellite image (THEOS-1) provided by GISTDA



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

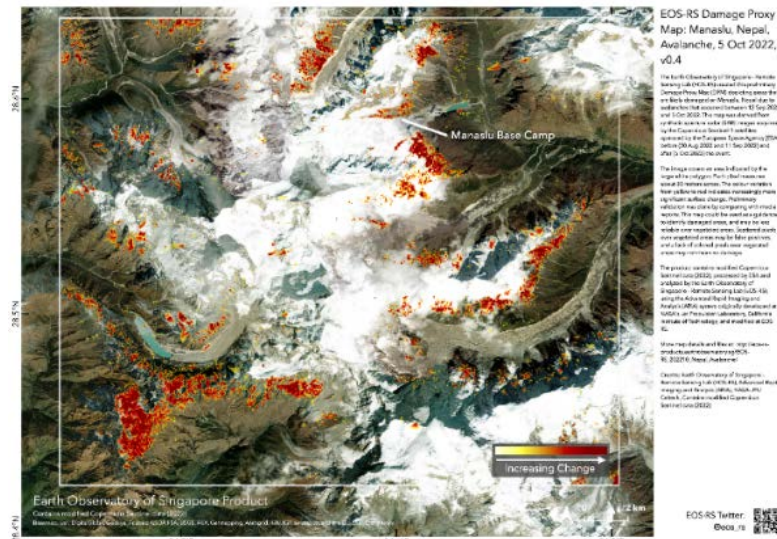


Post-disaster satellite image (ALOS-2) provided by JAXA



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





Value-Added Product by EOS

(3) Flood in India on 13 October, 2022 (GLIDE Number [FL-2022-000335-IND](https://www.nasa.gov/data/glides/FL-2022-000335-IND))

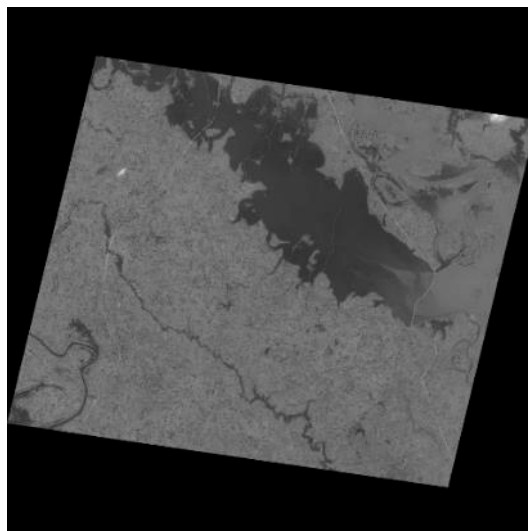
Uttar Pradesh state in northern India suffered a large-scale flood caused by heavy rain.

According to the Hindustan Times, 19,042 people have moved to shelters.

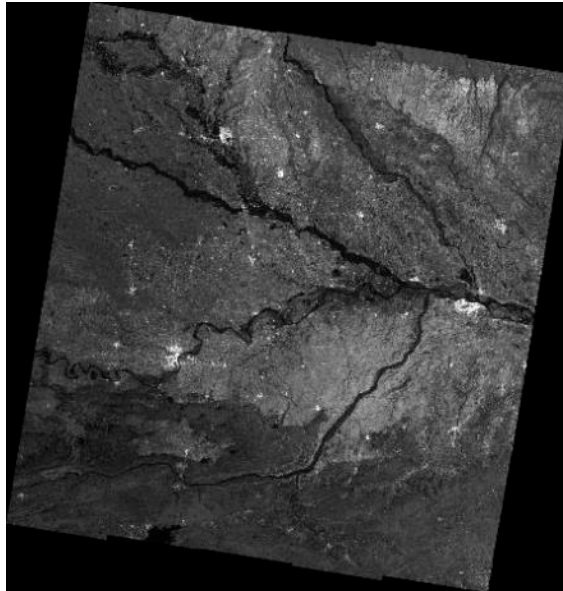
<https://www.hindustantimes.com/cities/lucknow-news/1667-villages-in-21-up-districts-inundated-101665766963350.html>)

ISRO made an EOR to Sentinel Asia on 15 October. Among DPNs, GISTDA, JAXA, and NARL provided data. Among DANs, AIT, EOS, and NARL provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

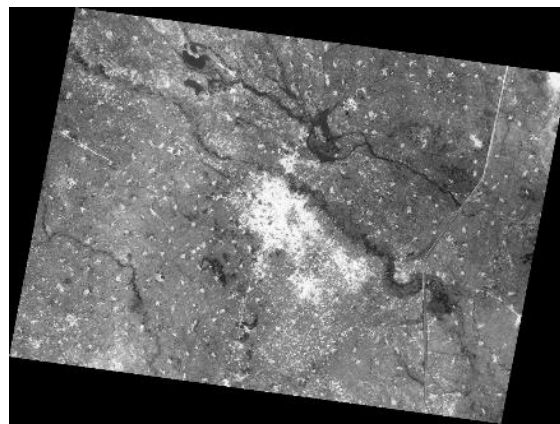
<https://sentinel-asia.org/EO/2022/article20221013IN.html>



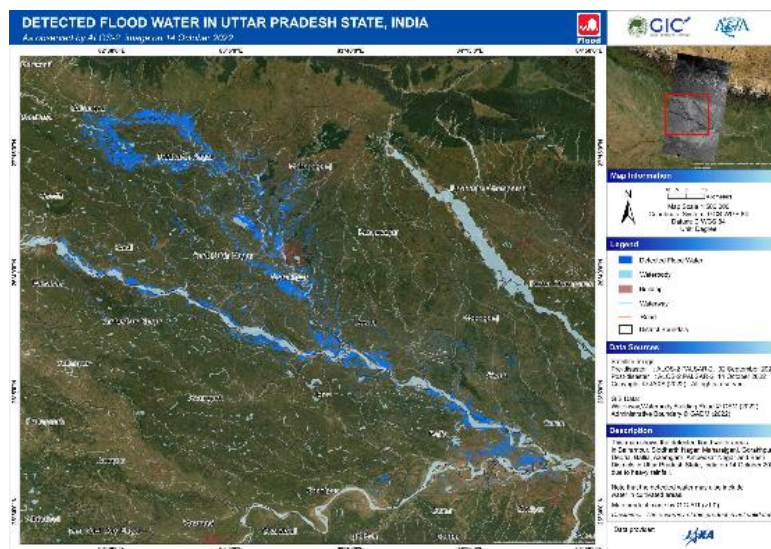
Post-disaster satellite image (THEOS-1) provided by GISTDA



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

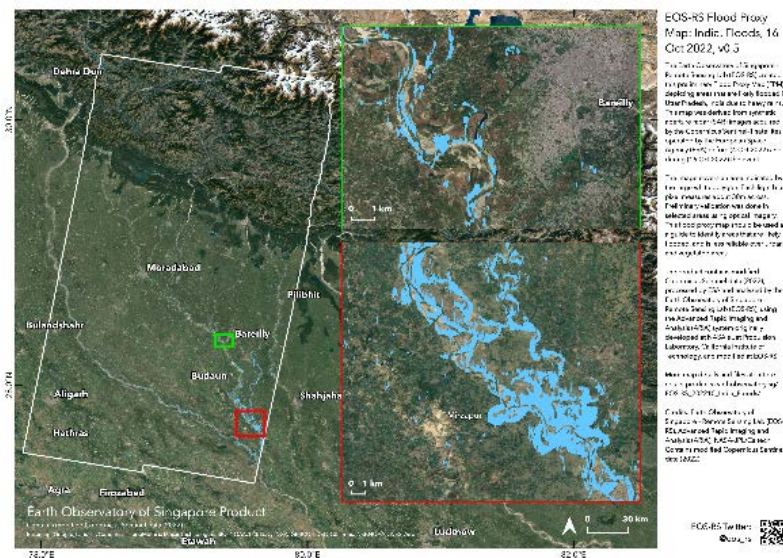


Post-disaster satellite image (FORMOSAT-5) provided by NARL

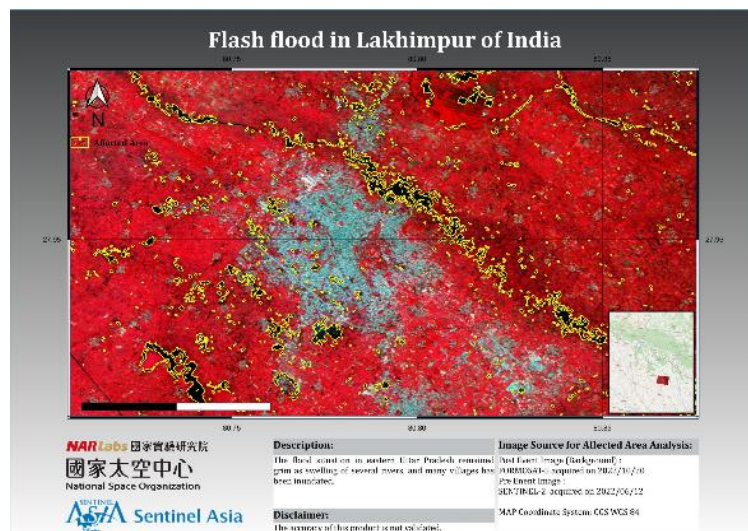


Value-Added Product by AIT





Value-Added Product by EOS



Value-Added Product by NARL

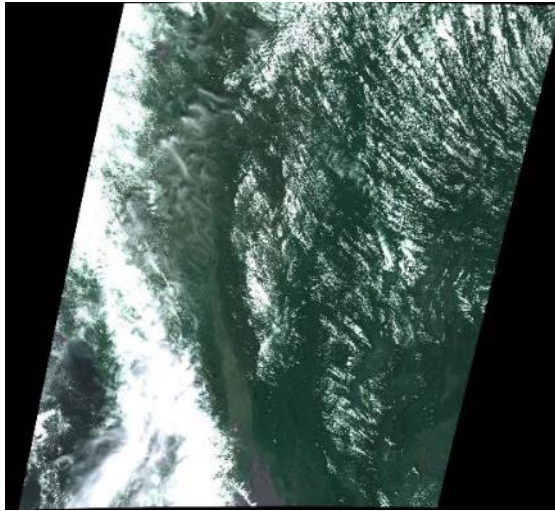
(4) Flood in Thailand on 19 October, 2022 (GLIDE Number [FL-2022-000333-THA](https://www.thaipbsworld.com/flooding-in-thailands-northeast-is-expected-to-improve-next-month))

Typhoon Noru (Karding) made landfall in Asian countries on the Pacific at the end of September. It caused flooding in large areas in Thailand.

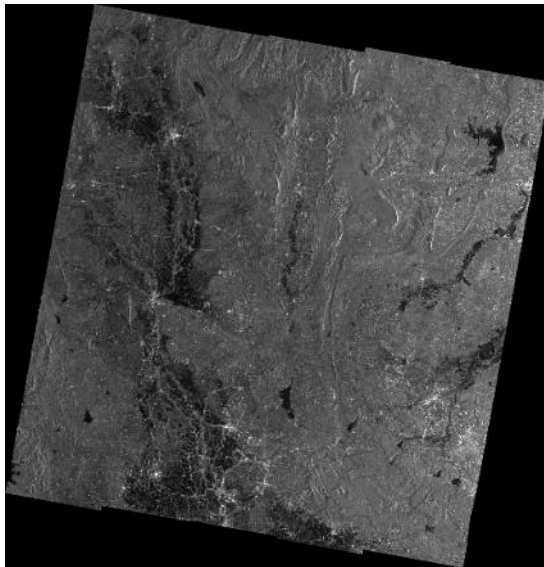
(<https://www.thaipbsworld.com/flooding-in-thailands-northeast-is-expected-to-improve-next-month>)

GISTDA made an EOR to Sentinel Asia on 19 October. Among DPNs, ISRO and JAXA provided data. Among DANs, AIT and NARL provided its VAPs. Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2022/article20221019TH.html>



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

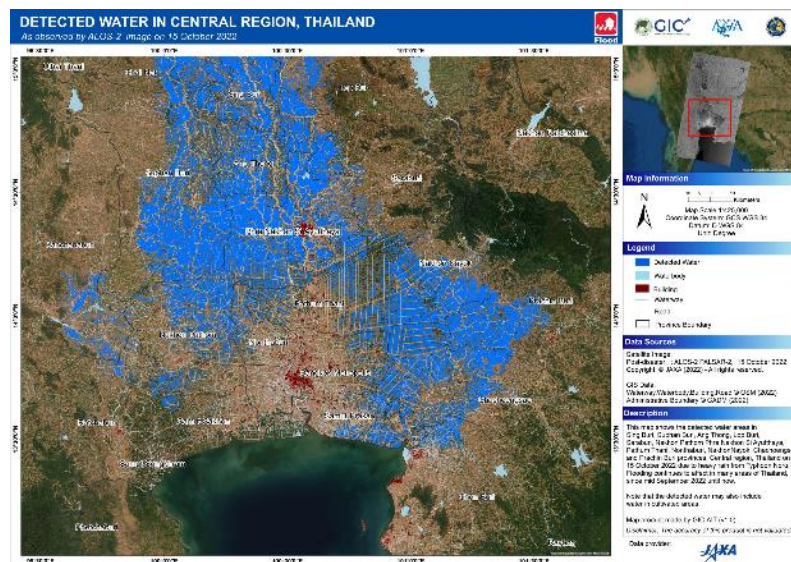


Post-disaster satellite image (ALOS-2) provided by JAXA

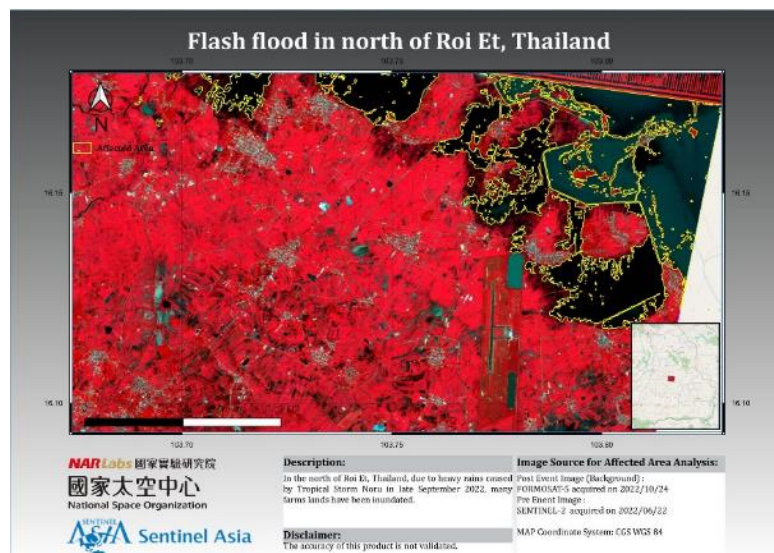


Post-disaster satellite image (FORMOSAT-5) provided by NARL





Value-Added Product by AIT



Value-Added Product by NARL

\* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_

## 2. 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

### 3. Using Sentinel Asia Operation System, OPTEMIS

[illegible]

Copyright 2022 the Sentinel Asia Secretariat

Sentinel Asia Project Office  
Satellite Applications and Operations Center (SAOC)  
Japan Aerospace Exploration Agency (JAXA)  
Ochanomizu Sola City, 4-6 Kandasurugadai, Chiyoda-ku, Tokyo 101-8008 Japan  
E-mail: Z-SENTINEL.ASIA@ml.jaxa.jp  
TEL: +81-3-6435-6785  
FAX: +81-3-5777-1580