** September 2022 News from Sentinel Asia Project Office **

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

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

(1) Flood in India on 23 August, 2022 (GLIDE Number FL-2022-000295-IND)

Heavy rain in India caused flooding in several areas of the nation. At least six people were killed and many evacuated, according to the Hindustan Times. ([https://www.hindustantimes.com/india-news/heavy-rains-trigger-flood-fury-in-mp-odisha-6-dead-101661195462428.html](https://www.hindustantimes.com/india-news/heavy-rains-trigger-flood-fury-in-mp-odisha-6-dead-101661195462428.html))

The Indian Space Research Organisation (ISRO) made an Emergency Observation Request (EOR) to Sentinel Asia on 24 August. Among Data Provider Nodes (DPNs), the Geo-Informatics and Space Technology Development Agency (GISTDA), the Japan Aerospace Exploration Agency (JAXA), and the National Applied Research Laboratories (NARL) provided data. Among Data Analysis Nodes (DANs), the Mohammed Bin Rashid Space Centre (MBRSC) provided its VAPs. Information on the latest response by Sentinel Asia is available at the link below. ([https://sentinel-asia.org/EO/2022/article20220823IN.html](https://sentinel-asia.org/EO/2022/article20220823IN.html))

Satellite image (THEOS1) provided by GISTDA
Satellite image (ALOS-2) provided by JAXA

Satellite image (FORMOSAT-5) provided by NARL

Value-Added Product by MBRSC
(2) Earthquake in China on 5 September, 2022 (GLIDE Number EQ-2022-000303-CHN)
A magnitude 6.8 earthquake struck China’s Sichuan Province on 5 September, killing dozens of
the residents, USA Today reported.
(https://www.usatoday.com/picture-gallery/news/world/2022/09/08/6-8-magnitude-earthquake-
shakes-china/802272001/)

The Institute of Geology, China Earthquake Administration (CEA) made an EOR to Sentinel
Asia on 6 September. Among DPNs, JAXA provided data. Among DANs, the Earth
Observatory of Singapore (EOS) provided its VAPs. Information on the latest response by
Sentinel Asia is available at the link below.
https://sentinel-asia.org/EO/2022/article20220905CN.html

Satellite image (ALOS-2) provided by JAXA

Value-Added Product by EOS

(3) Earthquake in Taiwan on 17 September, 2022 (GLIDE Number EQ-2022-000303-CHN)
On 18 and 19 September, a series of earthquakes including ones at magnitude 6.4 and 6.5 hit
Taiwan, leaving one dead and many injured, according to the Guardian.
The National Applied Research Laboratories (NARL) made an EOR to Sentinel Asia on 19 September. Among DPNs, ISRO and GISTDA provided data. Information on the latest response by Sentinel Asia is available at the link below.

https://sentinel-asia.org/EO/2022/article20220917TW.html

Satellite image (Resourcesat-2A) provided by ISRO

Satellite image (THEOS-1) provided by GISTDA

(4) Storm, Flood, and Landslide in the Philippines on 25 September, 2022  (GLIDE Number TC-2022-000318-PHL)

A strong typhoon Noru (Karding) made landfall in the Philippines and passed over Luzon Island, causing heavy damage, Channel News Asia reported.


The ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA
Centre) made an EOR to Sentinel Asia on 25 September. Among DPNs, ISRO and JAXA 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/article20220925PH.html

Satellite image (Resourcesat-2A) provided by ISRO

Satellite image (ALOS-2) provided by JAXA

Value-Added Product by EOS

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 EOR to Sentinel Asia on 28 September. Among DPNs, ISRO provided data. Information on the latest response by Sentinel Asia is available at the link below. https://sentinel-asia.org/EO/2022/article20220928VN.html

Satellite image (Resourcesat-2) provided by ISRO

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2. [Event] Promotion of Sentinel Asia’s activities at the Asia-Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR)

The Asia-Pacific Ministerial Conference on Disaster Risk Reduction was held from 19 to 22 September 2022 in Brisbane, Australia.

The Sentinel Asia Secretariat ran an exhibition booth to promote Sentinel Asia’s activities during the APMCDRR. The Sentinel Asia booth welcomed more than 100 participants per day.

For more information on APMCDRR 2022, please refer to https://apmcdrr.undrr.org/.
3. 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.

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

4. Using 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

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Satellite Applications and Operations Center (SAOC)
Japan Aerospace Exploration Agency (JAXA)