

**** October 2020 News from Sentinel Asia Project Office ****

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Topics:

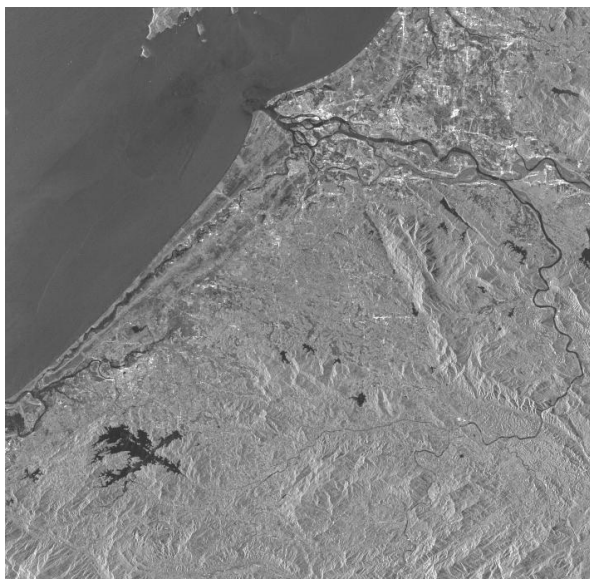
1. [News] Emergency Observation of Disasters Occurring in October 2020
2. [Message] for the International Disasters Charter's 20th anniversary
3. Events
4. How to send Emergency Observation Request
5. Using Sentinel Asia Operation System, OPTEMIS

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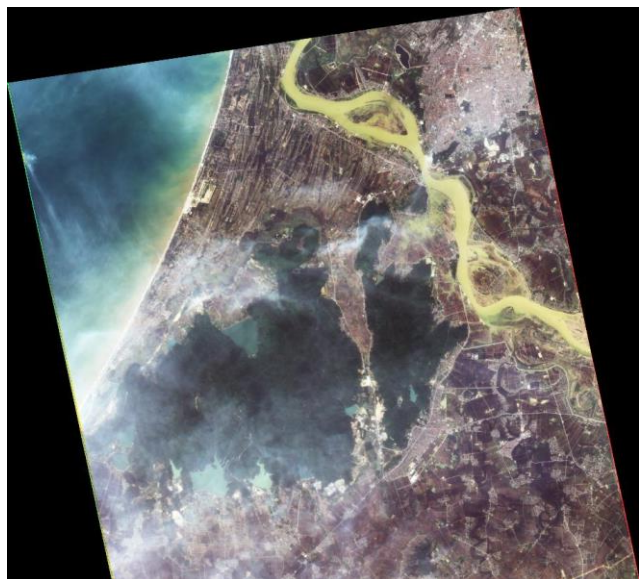
1. [News] Emergency Observation of Disasters Occurring in October 2020. (as of 29 October)

(1) Flood and Landslides in Vietnam

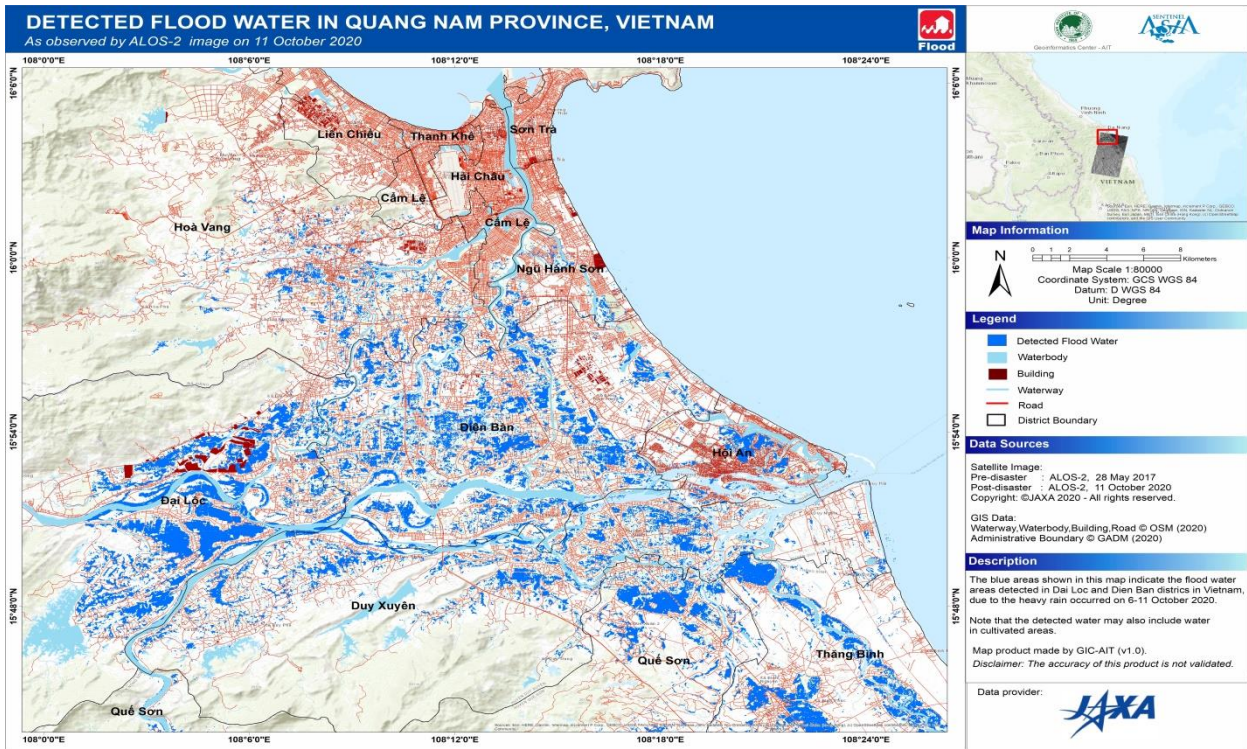
Department of National Remote Sensing -Vietnam Ministry of Natural Resources and Environment (MONRE) made an Emergency Observation Request (EOR) to Sentinel Asia for the flood and landslides occurred across the provinces from Ha Tinh to Quang Ngai, Vietnam. The flood and landslides caused damages to the houses and buildings. Among Data Provider Nodes (DPNs), Geo-Informatics and Space Technology Development Agency (GISTDA), Indian Space Research Organization (ISRO) and Japan Aerospace Exploration Agency (JAXA), and the National Space Organization (NSPO) of National Applied Research Laboratories (NARL) provided their observation data. Asian Institute of Technology (AIT) and Mohammed Bin Rashid Space Centre (MBRSC) provided their value added products (VAPs). The information on the latest response by Sentinel Asia is available from the following link.
<https://sentinel-asia.org/EO/article20201007VN.html>



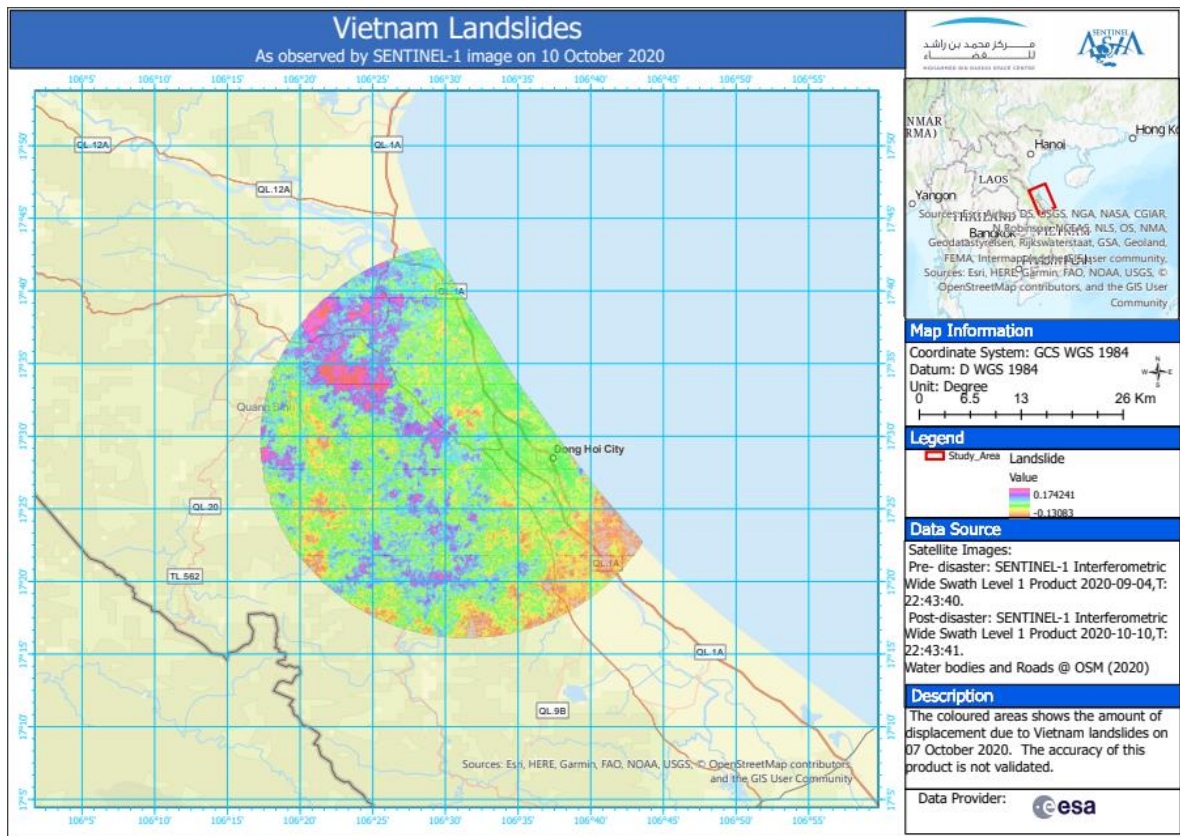
Satellite image before the event by JAXA



Satellite image after the event by NARL



Product by AIT



Product by MBRSC

(2) Storm Molave in Vietnam (occurred on 29 October)

To be updated in the October's Sentinel Asia News.

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2. [Message] for the International Disasters Charter's 20th anniversary

On October 20, 2020, the International Disasters Charter (the Charter) celebrated its 20th anniversary. The founding three space agencies, European Space Agency (ESA), French Space Agency (CNES) and the Canadian Space Agency (CSA) had signed the "Charter" exactly twenty years before.

While the Charter responds to the disasters all over the world, the Charter is collaborating with other organizations. Sentinel Asia is one of the important partners of the Charter. Among the Sentinel Asia member agencies, Indian Space Research Organization (ISRO), Japan Aerospace Exploration Agency (JAXA), Korea Aerospace Research Institute (KARI) and Mohammed Bin Rashid Space Centre (MBRSC) are members of the Charter as well. In 2010, the Charter and Sentinel Asia agreed on an interface control document for cooperation, which enables the Sentinel Asia member organizations to request emergency observation by the Charter satellites in addition to the observation by Sentinel Asia. As the satellite sensors provided for Sentinel and the Charter are different, this cooperation entitled "Sentinel Asia Escalation" enables requestors to benefit from both, thus have more observation data, and more supports for managing the disasters than Sentinel Asia alone. Notably, in case of Sentinel Asia Escalation, Sentinel Asia members volunteer to assume responsibilities within the Charter operation mechanism such as "Project Manager (PM)" or "Value-Adder (VA)" right after the activation, which leads to prompt supports for requestors..

JAXA will act as Lead Agency of the Charter for the next six-month period starting this November and will commit itself to support this cooperation between Sentinel Asia and the Charter more successfully, for the benefit of the Sentinel Asia community.

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3. [Events]

Upcoming Events:

- APRSAF Online 2020, 19th November 2020
- The 8th Joint Project Team Meeting (JPTM) (Date and Place: TBC)

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4. How to send Emergency Observation Request

JPT member organizations are entitled to send Emergency Observation Request (EOR) for disasters in the Asia-Pacific region.

Please refer to https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html

