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

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Topics:

1. [News] Emergency Observation of Disasters Occurring in July 2020
2. Events
3. How to send Emergency Observation Request
4. Using Sentinel Asia Operation System, OPTEMIS

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1. [News] Emergency Observation of Disasters Occurring in July 2020. (as of 27 July)

(1) Flood and Landslide in Japan

Torrential rain triggered massive floods and mudslides across the southern island of Kyushu, Japan and Asian Disaster Reduction Center (ADRC) requested emergency observation by Sentinel Asia on 6 July. In this case, the request was escalated to the International Disasters Charter as "Sentinel Asia Escalation", with Dr. Nagai of Yamaguchi University playing the role of Project Manager for the Disasters Charter.

Among Data Provider Nodes (DPNs), Indian Space Research Organization (ISRO), , Japan Aerospace Exploration Agency (JAXA), National Applied Research Laboratories (NARL), and Geo-Informatics and Space Technology Development Agency (GISTDA) provided their observation data. Also, Mohammed Bin Rashid Space Centre (MBRSC) and Space Technology Institute (STI) of Vietnamese Academy of Science and Technology (VAST) planned observations with Dubaisat-2 and VNREDSat-1 respectively, and Sentinel Asia is expecting the data. Among Data Analysis Nodes (DANs), MBRSC, Yamaguchi University, Chiba University, Asian Institute of Technology (AIT), RIKEN, Earth Observatory of Singapore (EOS) analyzed the satellite data and provided their products. The information on the latest response by Sentinel Asia is available from the following link.

https://sentinel-asia.org/EO/article20200706JP.html
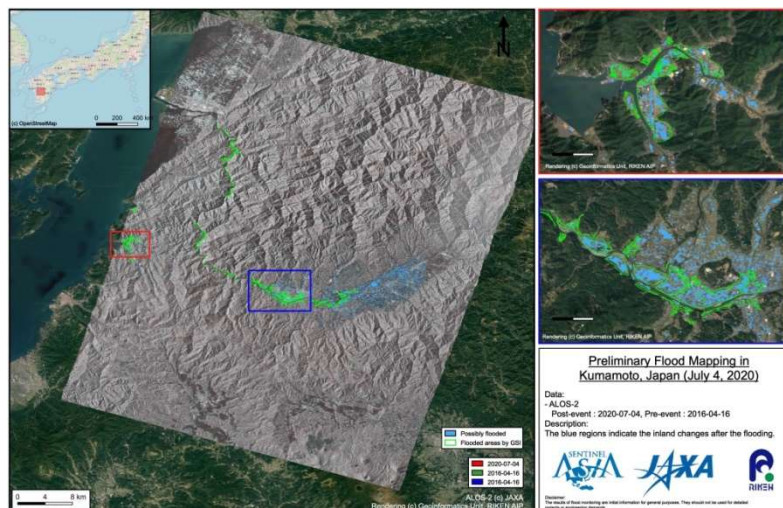
Product by RIKEN

(2) Flood in India (State of Assam)

Over 600,000 people are affected in 1,109 villages and localities across 20 in 33 districts of the state of Assam, India, according to the State Disaster Management Authority and National Remote Sensing Center (NRSC), ISRO requested Sentinel Asia observation. Among DPNs, JAXA, NARL, and GISTDA provided their observation data and among DANs, ISRO, MBRSC, AIT, International Center for Integrated Mountain Development (ICIMOD), and EOS provided the products.

https://sentinel-asia.org/EO/article20200713IN.html
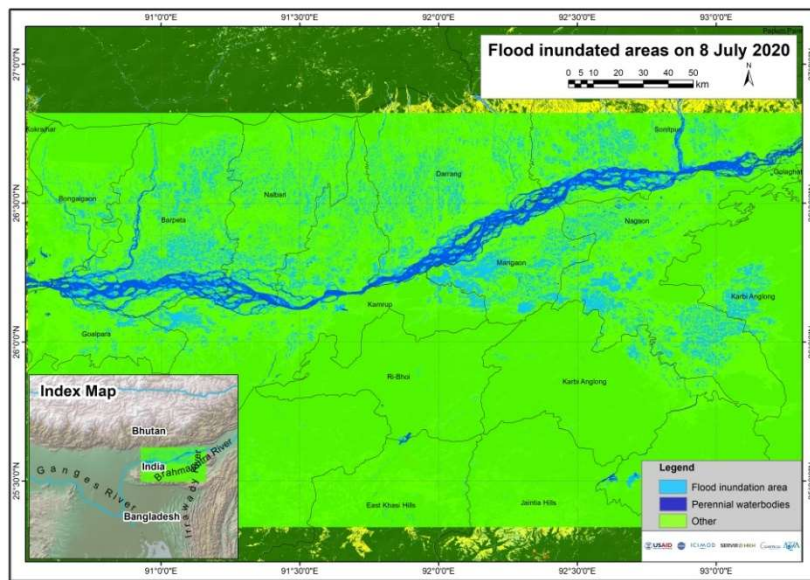
Product by ICIMOD

(3) Flood in India (State of Bihar)

The incessant rain in Nepal has triggered flood alert in Bihar and caused overflow of on several rivers in North Bihar like Bagmati, Kamla, Gandak among others. This time too, NRSC sent Emergency Observation Request (EOR) to the Sentinel Asia Secretariat. Among DPNs, JAXA and GISTDA provided their observation data and among DANs, ISRO, JAXA, MBRSC, AIT, and ICIMOD provided the products.

https://sentinel-asia.org/EO/article20200713IN2.html
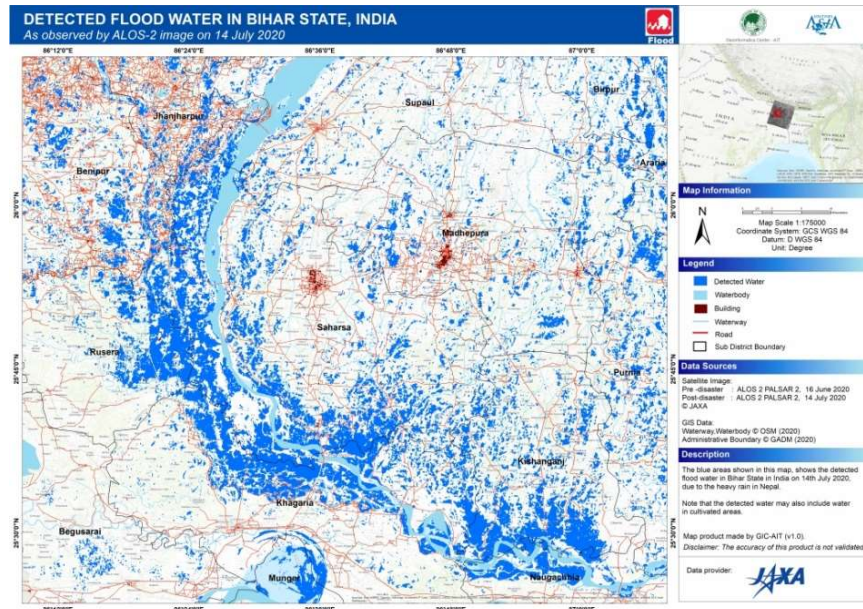
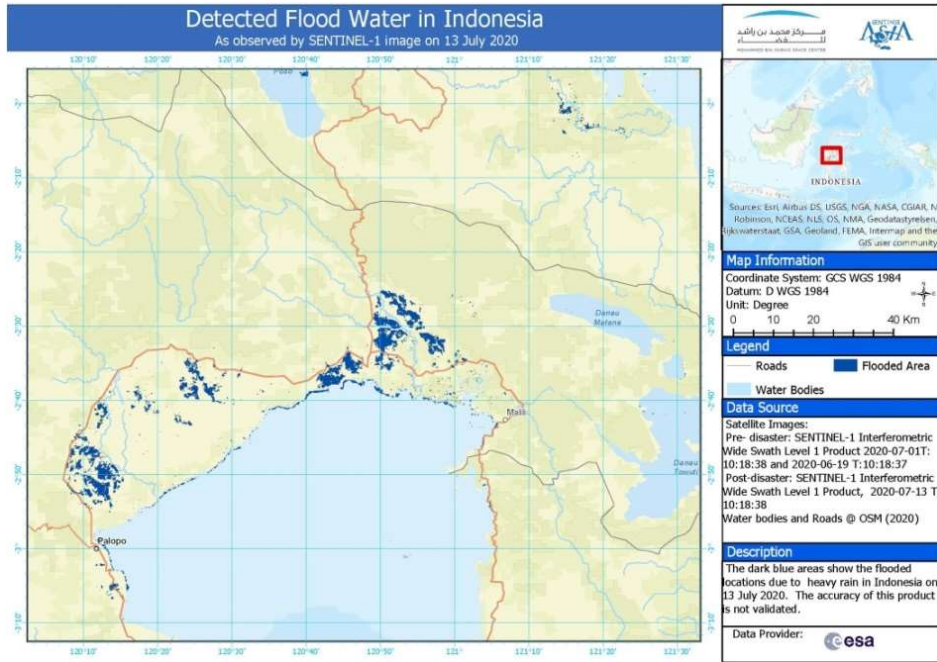Product by AIT

(4) Flood in Indonesia

Heavy rainfall since 12 July caused three rivers on Sulawesi Island - the Masamba, Rongkong and Mely - to overflow. Indonesian National Institute of Aeronautics and Space (LAPAN) requested Sentinel Asia activation. In this case, the request was was escalated to the International Disasters Charter as "Sentinel Asia Escalation", with Dr. Syams Nashrrullah of AIT playing the role of Project Manager for the Disasters Charter.

Among DPNs, ISRO, JAXA, Centre for Remote Imaging, Sensing and Processing (CRISP), NARL, and GISTDA provided their observation data and among DANs, JAXA and MBRSC provided the products.

One remarkable thing to note is that CRISP provided for the first time its TELEOS-1 images which CRISP had offered to register as Sentinel Asia's constellation shortly before the very provision. This significant achievement as well as the background will be highlighted in more detail in the Interview section of the next month's Sentinel Asia Newsletter.

https://sentinel-asia.org/EO/article20200716ID.html

Product by MBRSC

(5) Flood and Landslide in Vietnam

Vietnam Ministry of Natural Resources and Environment requested Emergency Observation for the flood caused by heavy rain in Ha Giang Province in the northern highlands of Vietnam.   The details will be reported in the next month's newsletter.

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2. [Events]

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

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3. 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

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

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4. Using Sentinel Asia Operation System, OPTEMIS

The Sentinel Asia launched new operation system, OPTEMIS.   Please refer to the website how to create the account of OPTEMIS.
https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html

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