

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

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Topics:

1. [News] Emergency Observation of Disasters Occurring in May 2020
2. [News] Kobe University joined JPT as a DAN
3. [Announcement] New Geospatial Analysis Knowledge materials by Yamaguchi University
4. Events
5. How to send Emergency Observation Request
6. Using Sentinel Asia Operation System, OPTEMIS

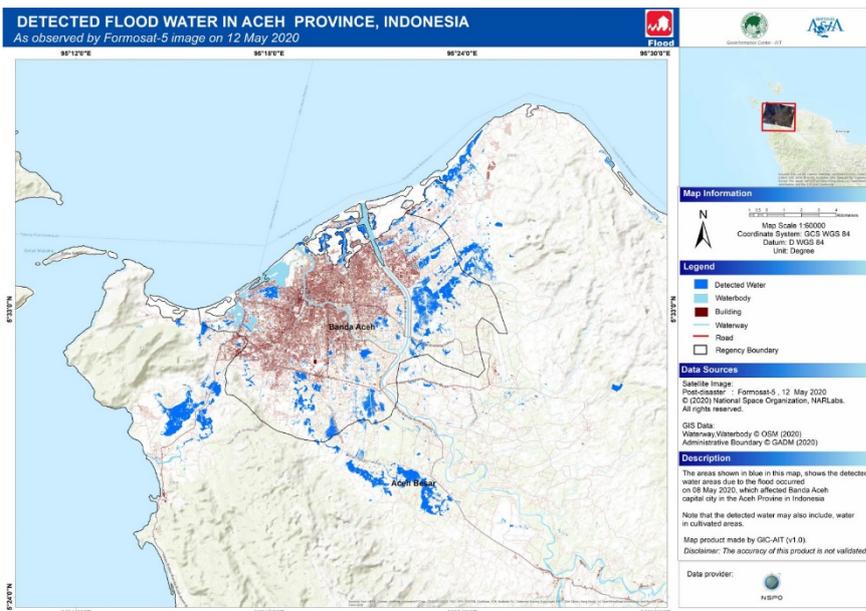
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1. [News] Emergency Observation of Disasters Occurring in May 2020.

(1) Severe Flood at Banda Aceh, Indonesia

Several areas in the city of Banda Aceh have been hit by flooding due to high intensity rain that occurred in the capital of Aceh Province since 5th May until 7th May. On behalf of Indonesian National Board for Disaster Management (BNPB), ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre) sent EOR to Sentinel Asia. As of 25 May, among Data Provider Nodes (DPNs), JAXA, ISRO, and NARL provided their satellite imagery and among Data Analysis Nodes (DANs), AIT, EOS, JAXA, LAPAN analyzed the satellite data and provided the products. The information on the latest response by Sentinel Asia is available from the following link.

<https://sentinel-asia.org/EO/article20200508ID.html>



Product by AIT

(2) Cyclone Amphan in India and Bangladesh

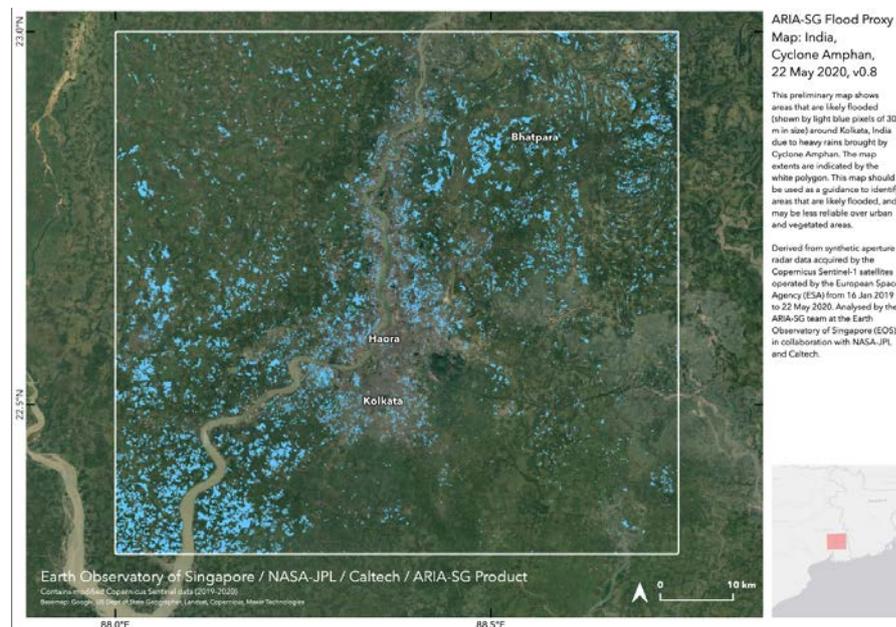
On 20 May 2020, Cyclone Amphan made landfall near Jammu Island, West Bengal, near Bangladesh, at 5.00 pm BST with 130-140 km/h wind speed. An Indian newspaper, The Times of India reported that at least 72 people have died in West Bengal and United Nations estimates that around 10 million people in Bangladesh are impacted, with half a million families potentially having lost their homes. The rains and heavy winds caused massive damage to crops and infrastructure in Odisha, India too.

In this case, well prior to the actual landfall of the cyclone, National Remote Sensing Center (NRSC), ISRO (for Indian Area) and International Water Management Institute (IWMI) on behalf of Disaster Management Department, Bangladesh (for Bangladeshi area) promptly sent Emergency Observation Request to Sentinel Asia for India and Bangladesh respectively. Also, the EOR for Bangladeshi area was escalated to the International Disasters Charter as “Sentinel Asia Escalation”, with Dr. Giriraj Amarnath of IWMI playing the role of Project Manager for the Disasters Charter.

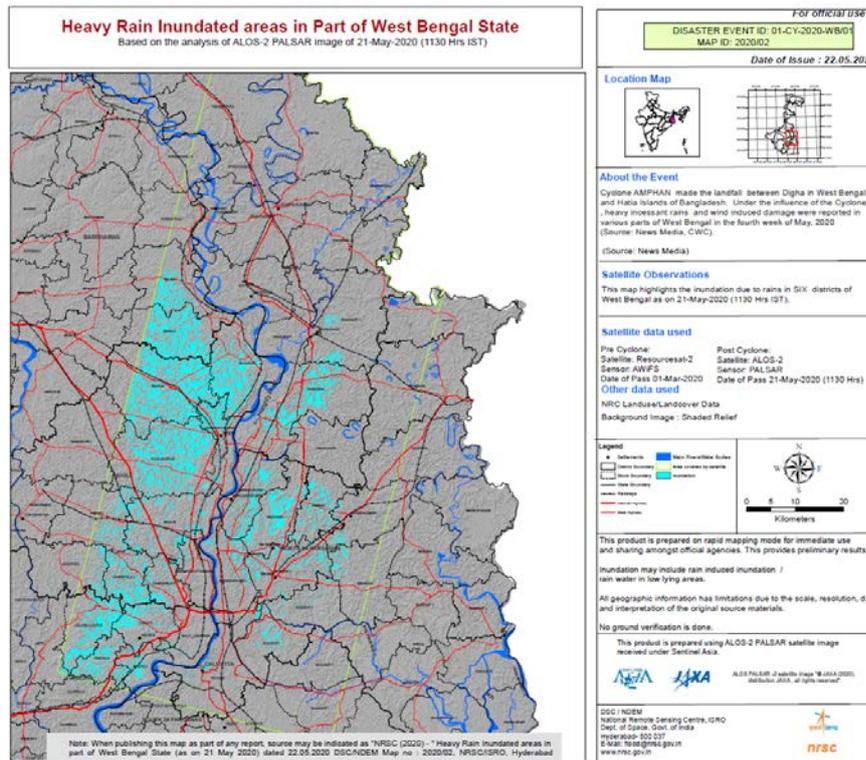
As of 25 May, among Data Provider Nodes (DPNs), JAXA provided their observation data. Also, among Data Analysis Nodes (DANs), AIT, EOS, and Yamaguchi University analyzed the data and provided their products. The information on the latest response by Sentinel Asia is available from the following link.

<https://sentinel-asia.org/EO/article20200518IN.html> (India)

<https://sentinel-asia.org/EO/article20200518BD.html> (Bangladesh)



Product by EOS



Product by ISRO

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2. [Announcement] Kobe University joined JPT as DAN

Research Center for Urban Safety and Security (RCUSS) of Kobe University in Japan became a Joint Project Team member of Sentinel Asia as well as a member of DAN in April 2020. RCUSS was established in 1996, about one year after the Great Hanshin-Awaji Earthquake. The mission of RCUSS is to make contributions in building safe and secure urban society by developing the visions towards such society and by conducting research and education on suitable methodologies and frameworks in realizing such society.

On their participation, Professor Kenichio KOBAYASHI of RCUSS comments, “We are delighted to be a member of Sentinel Asia and excited to support Sentinel Asia colleagues by generating and providing VAPs in the upcoming EORs”.

<http://www.rcuss.kobe-u.ac.jp/English/index-e.html>

