

**** September 2021 News from Sentinel Asia Project Office ****

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Topics:

1. [News] Emergency Observation of Disasters
2. [News] Sentinel Asia has been invited by the UNDRR to make voluntary commitments to the Sendai Framework
3. Sentinel Asia Webinar "Space Technology for Flood Forecast Modelling" to be co-organized by ISRO and IWMI
4. How to Send an Emergency Observation Request
5. Using Sentinel Asia Operation System, OPTEMIS

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1. [News] Emergency Observation of Disasters

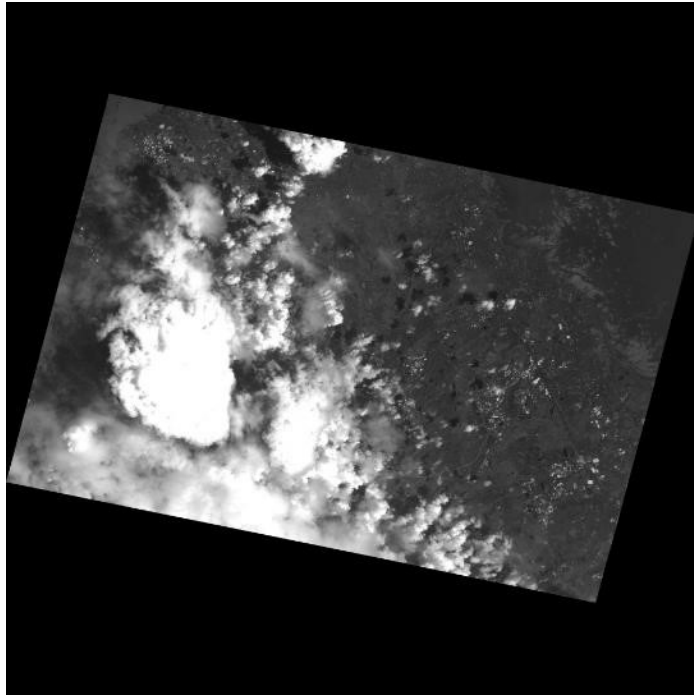
(1) Tropical Storm Jolina (Conson) in the Philippines (GLIDE Number: TC-2021-000136-PHL)

Tropical Storm Jolina (Conson) made landfall on the Philippines on 6 September. According to ReliefWeb, the Philippines National Disaster Risk Reduction and Management Council (NDRRMC), it caused at least 17 fatalities, 24 injured individuals, and seven missing people, more than 29,830 people were displaced across 181 evacuation centers and up to 313,373 people have been affected.

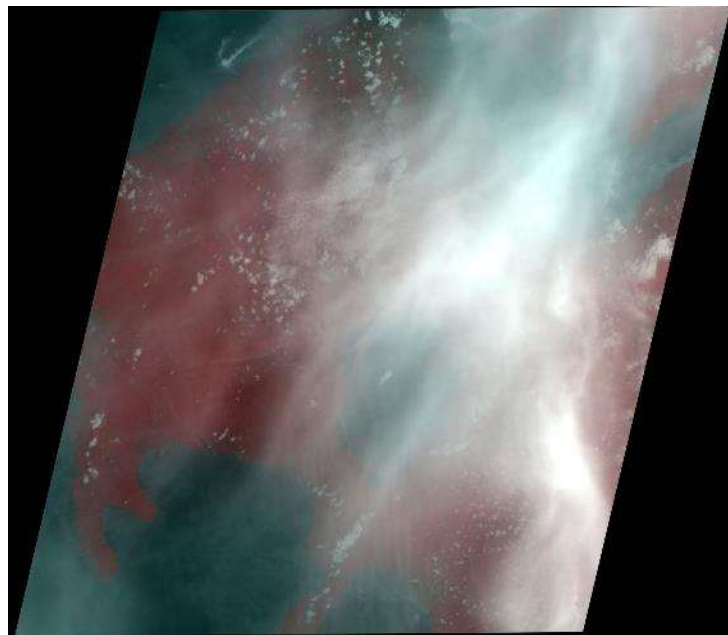
<https://reliefweb.int/report/viet-nam/vietnam-philippines-tropical-cyclone-conson-update-gdacs-jtwc-aha-centre-ndrrmc>

The Manila Observatory (MO) made an EOR to Sentinel Asia on 8 September. Among DPNs, the Indian Space Research Organisation (ISRO), 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 DANs, the Asian Institute of Technology (AIT) and the Mohammed Bin Rashid Space Centre (MBRSC) provided their VAPs. Information on the latest response by Sentinel Asia is available from the following link:

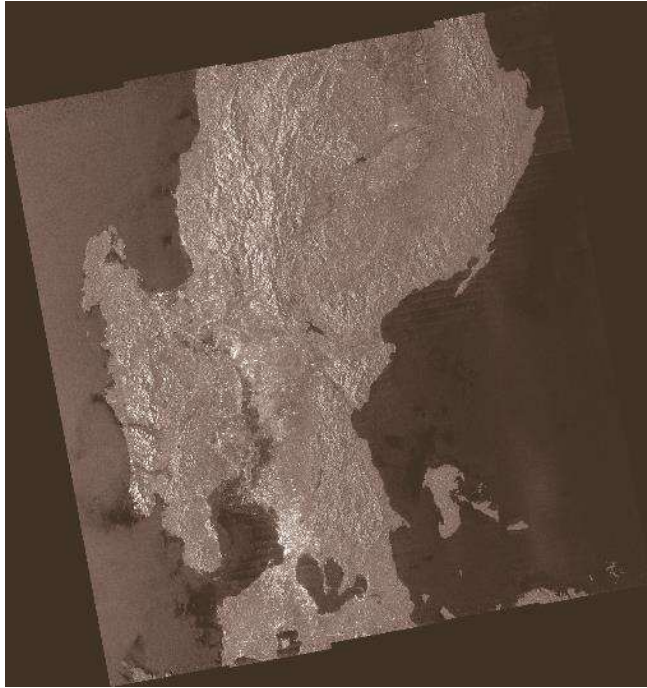
<https://sentinel-asia.org/EO/2021/article20210908PH.html>



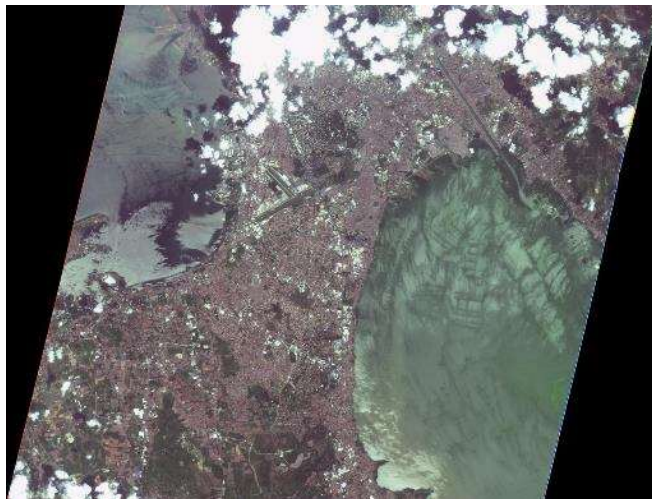
Satellite image (THEOS1) provided by GISTDA



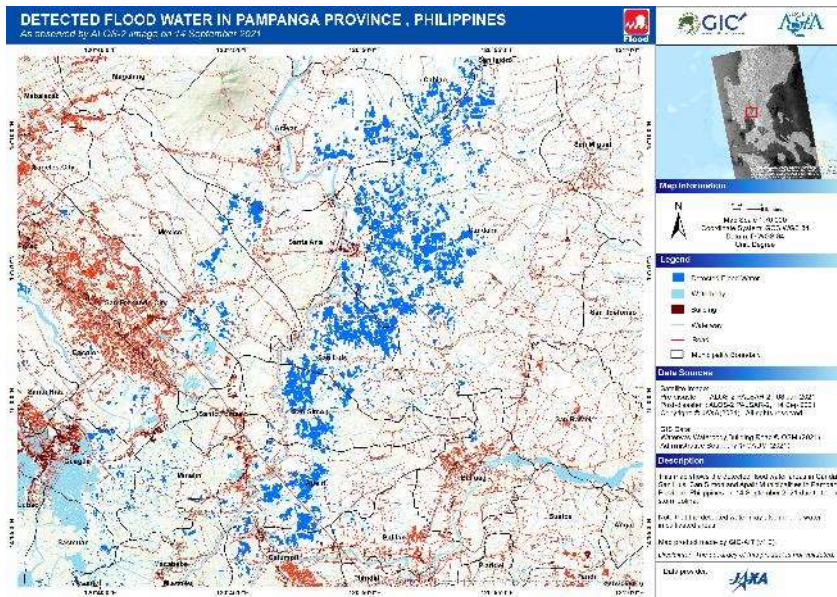
Satellite image (Resourcesat-2) provided by ISRO



Satellite image (ALOS-2) provided by JAXA



Satellite image (FORMOSAT-5) provided by NARL



Value Added Product by AIT



Value Added Product by MBRSC

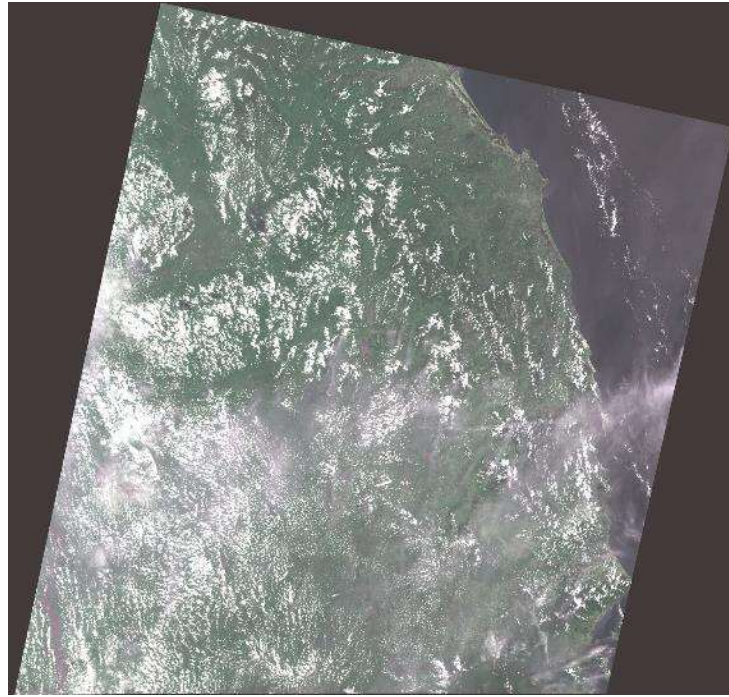
(2) Typhoon Conson in Vietnam (GLIDE Number: TC-2021-000136-PHL)

After passing over the Philippines, tropical storm Conson made landfall over Vietnam. ReliefWeb reported that according to the AHA Centre and media, two people died and 18 people were rescued and at least 62 houses were damaged in Vietnam.

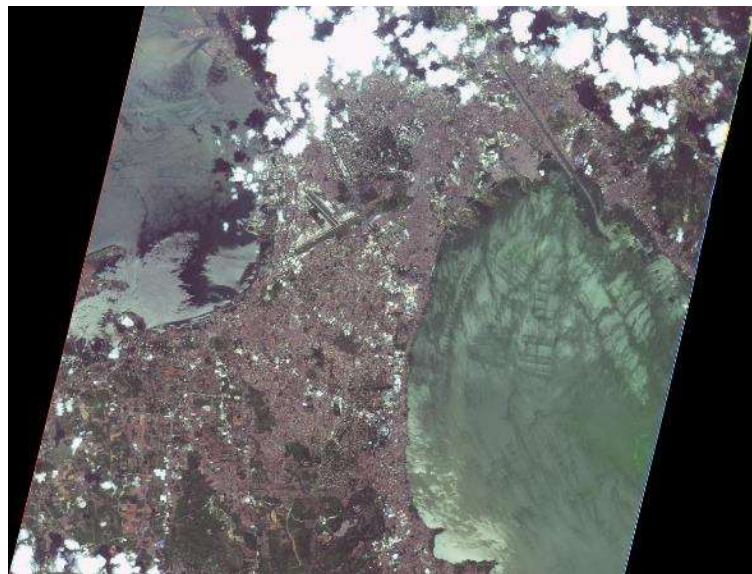
(<https://www.cnbc.com/2021/09/13/vietnam-warns-of-floods-and-landslides-after-storm-weakens.html>)

The Ministry of Natural Resources and Environment (MONRE) of Vietnam made an EOR to Sentinel Asia on 13 September. Among DPNs, ISRO, JAXA, and NARL provided data. Among DANs, AIT provided their VAPs. Information on the latest response by Sentinel Asia is available from the following link:

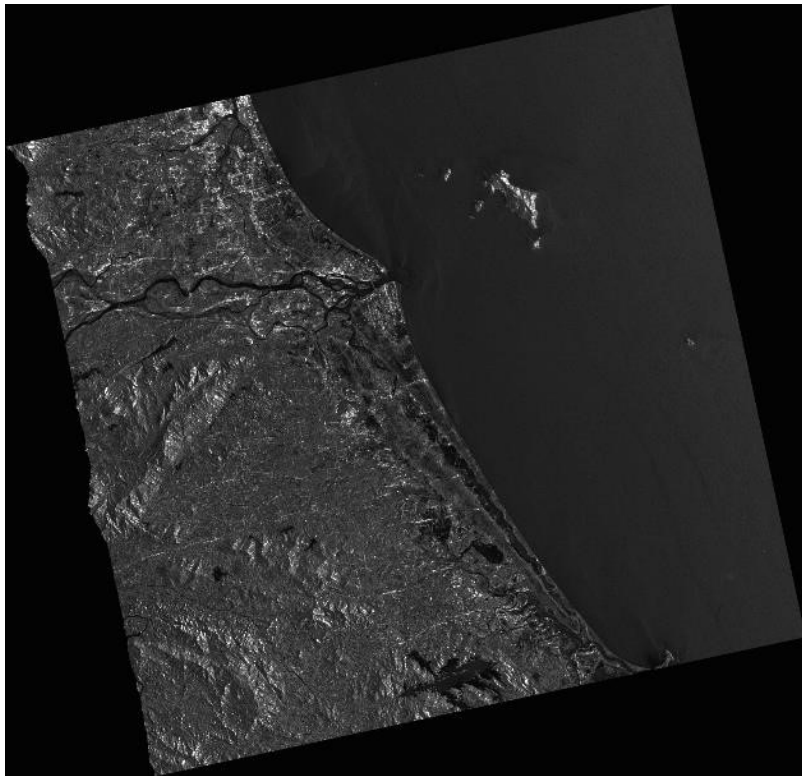
<https://sentinel-asia.org/EO/2021/article20210913VN.html>



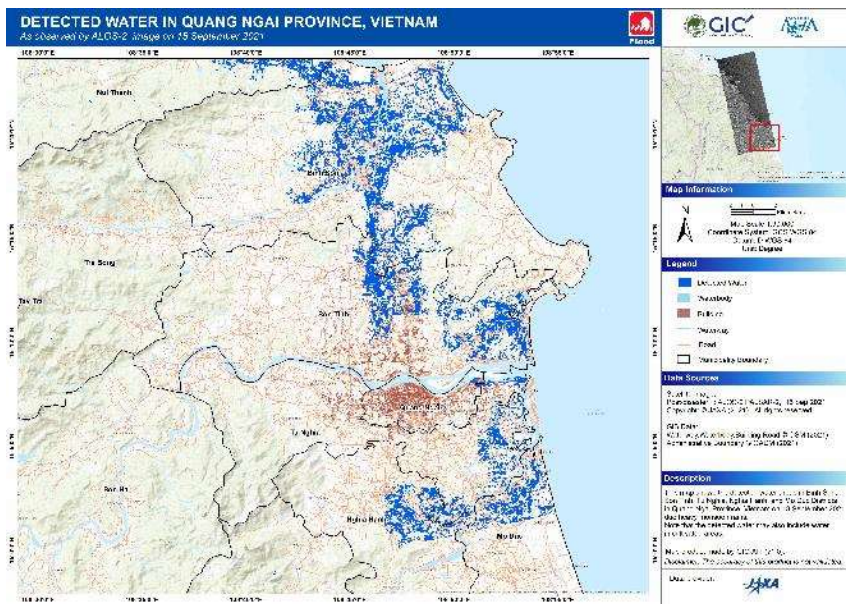
Satellite image (Resourcesat-2) provided by ISRO



Satellite image (FORMOSAT-5) provided by NARL



Satellite image (ALOS-2) provided by JAXA



Value Added Product by AIT

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2. [News] Sentinel Asia has been invited by the UNDRR to make voluntary commitments to the Sendai Framework

As circulated on 6 September as an extra edition of Sentinel Asia Newsletter, in light of the partnership between the United Nations Office for Disaster Risk Reduction (UNDRR) and Sentinel Asia as well as of the achievements of Sentinel Asia, and the enhanced recognition of Sentinel Asia in the global disaster management community, Sentinel Asia has been invited by the UNDRR to submit its commitments to the Sendai Framework Voluntary Commitments (SFVC).

Currently, Sentinel Asia’s SFVC are about Emergency Observation Requests (EORs). Sentinel Asia will make its best efforts to offer support in terms of disaster assessment and response planning, and to activate supporting agencies as required. An EOR represents an appeal for assistance from a disaster-affected country and is the fundamental instrument around which the Sentinel Asia framework is organized and executed. While publishing the initial SFVC, Sentinel Asia will further update and upgrade the SFVC in the future and will continue to be committed to implementing the Sendai Framework through cooperation among Sentinel Asia member organizations.

*The detailed story is posted on the Sentinel Asia website: https://sentinel-asia.org/event/20210906/Sentinel_Asia_has_been_invited_by_the_UNDRR_to_make_voluntary_commitments_to_the_Sendai_Framework.pdf

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3. Sentinel Asia Webinar "Space Technology for Flood Forecast Modelling" to be co-organized by ISRO and IWMI

Flooding constitutes the most prevalent and costly natural disaster in the world. Particularly, the Asia-Pacific region suffers the most. While a variety of mitigation measures can be implemented to minimize the impact of flooding, satellite technology can play a vital role. In this regard, experts from ISRO and IWMI have volunteered to co-organize a dedicated webinar as part of Sentinel Asia activities for the benefit of JPT members. The webinar is titled “Space Technology for Flood Forecast Modelling” and is planned to take place on 27 and 28 October from 10:00 (Hyderabad time).

This webinar is a follow-on of the webinar on space-based drought risk management co-organized by ISRO and IWMI on 19 and 20 July, and will address, just as its predecessor, among other things, general theories, experts' lectures, and an interactive session. It is expected to contribute to deepening the understanding of participants on this thematic topic and helping them

