

** September 2017 News from Sentinel Asia Project Office **

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1. [News] Emergency Observation of Disaster Occurred in September 2017

- Vietnam, Flood occurred in the central part of the country (15 September 2017)

https://sentinel.tksc.jaxa.jp/sentinel2/thumbnailEmob.jsp?emobRequestDetailAction.requestId=ERVNMN000043&subset_name=Emergency+Observation&submit.countryIdx=&submit.disasterTypeIdx=

Analysis by GIC/AIT as Sentinel Asia PDAN

<https://arcg.is/455fH>

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2. [News] New Member of Joint Project Team (JPT) as a Data Analysis Node (DAN)

We are pleased to inform you a new member of JPT as a DAN;
Earth Observatory of Singapore (EOS), since 12 September 2017

<http://www.earthobservatory.sg/>

Message from EOS;

“The Earth Observatory of Singapore (EOS), a research institute at Nanyang Technological University, is honored to be accepted as a Data Analysis Node (DAN) by unanimous consent of the members in Sentinel Asia.

EOS was officially launched in 2009, with the broad goal to conduct fundamental research on geohazards in and around Southeast Asia, toward safer and more sustainable societies. The participation in Sentinel Asia further strengthens EOS’s involvement in disaster management through international cooperation in this region.

EOS will contribute to the Sentinel Asia community by applying Synthetic Aperture Radar (SAR) interferometry technologies. EOS is currently collaborating with the Jet Propulsion Laboratory (JPL) to clone their ARIA (Advanced Rapid Imaging and Analysis) system, and eventually to co-develop future augmentations. This system automates the production of SAR interferograms, as well as two major value-added products; Damage Proxy Maps and Flood Proxy Maps.

A Damage Proxy Map is made from interferometric coherence maps from SAR images of a disaster area before and after a hazard event. It can be used to identify areas of possible damage to build infrastructure. A Flood Proxy Map is produced by estimating the change in amplitude of the SAR signal. In the presence of water, the SAR signal will reflect off the water surface in the direction away from the satellite, reducing the amplitude compared to if there were no water at that pixel.

EOS expects the ARIA automatic system to be fully functional in 2018. The main working team at EOS will be the geodesy group led by Prof. Emma Hill, with Dr. Nina Lin taking a key role. We look forward to responding to future emergency observation requests, as well as participating in any dialog and meeting events among Sentinel Asia!”

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3. [Announcement] Enhanced Security of Sentinel Asia Central Server

We have enhanced security of Sentinel Asia Central Server.
In case you have any problem using the Central Server (ex. cannot download satellite data, etc), please contact us at z-sentinel.asia@ml.jaxa.jp.

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4. [Announcement] Termination of the Operation of the Regional Servers and WINDS

As already informed by the Secretariat, the operation of WINDS (Wideband InterNetworking engineering test and Demonstration Satellite) was terminated in April 2017. JAXA has contacted users with regard to the WINDS ground station and the Regional Server. As JAXA is ending the security support for Sentinel Asia software, users are kindly asked to unplug the LAN of Regional Server to prevent the risk of catching a computer virus.

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5. [Announcement] Emergency Observation Request (EOR)

JPT member organizations are able to request the emergency observation by ALOS-2 (JAXA), IRS, Resourcesat-2, CARTOSAT-2, RISAT-1 (ISRO), THEOS (GISTDA), VNREDSat-1(VAST), X-Sat (CRISP), KOMPSAT (KARI) and DubaiSat-2 (UAE) for major disasters in the Asia-Pacific region.

There are two ways to make an EOR;

- Send EOR by Sentinel Asia website (ID and Password are required):

<https://sentinel.tksc.jaxa.jp/sentinel2/iccEmobRequest.jsp>

- Send EOR to the Order Desk by e-mail:

Please download the following request form and send a request to the order desk.

<https://sentinel.tksc.jaxa.jp/sentinel2/webresources/library/download?dataId=SECRisis0001201510280002>

*When you send EOR,

-please make sure to fill out all the information listed on the form, especially contact information of the disaster prevention organization.

-please cooperate with the local disaster prevention organization so that disaster response activities can be made quickly and effectively.

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

NOTE

-After making an EOR, please send the feedback to the order desk (ADRC) through the following online questionnaire page;

<https://creativesurvey.com/ng/reply/6c488da3c3ca2aca6a4feb1417058c/>

*Request to the DPN members:

When making an observation plan for EOR, please inform the Requesting Organization (RO), DAN and ADRC for the observation area / time / mode, data provision time and the other related information.

*Request to the DAN members;

Based on the information from DPN, please start analyzing data and informing RO and ADRC what time the analyzed product can be provided.

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6. [Announcement] Requests to JPT Members

-Visit the Central Server before a Disaster Happen

Sentinel Asia Project Office recommends you to visit the central server of Sentinel Asia before a disaster happens in your region. In order to log-in to the server, you will need user ID and password. Once you log-in, you can easily access to the server the next time and even at the time of a disaster.

Central Server of Sentinel Asia;

<https://sentinel.tksc.jaxa.jp/>

- Update Information

We welcome your update information in space related activities and also your comments, suggestions to Sentinel Asia Project Office (E-mail: Z-SENTINEL.ASIA@ml.jaxa.jp).

-Transmission and Receipt Acknowledgment

In order to understand delivering status of newsletter, we send the newsletter with the setting of transmission and receipt acknowledgment. We ask for your kind cooperation.

-Management of E-mail Box

In order to receive the newsletter regularly, please check the capacity of your mail box and the filter function constantly.

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7. [Events]

Up Coming Events:

-The 24th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-24), Bengaluru, India, November 14-17, 2017

https://aprsaf.org/annual_meetings/aprsaf24/meeting_details.php

- The Joint Project Team Meeting for Sentinel Asia STEP-3 (JPTM2018) at Taipei, Taiwan, January 22-24, 2018

Past Events:

- Sentinel Asia 10 Year Anniversary Event / The Joint Project Team Meeting for Sentinel Asia STEP-3 (JPTM2017) at Hanoi, Vietnam, March 7 – 9, 2017

<https://sentinel.tksc.jaxa.jp/announce/2012/07/26/SECRisis0001201207260001/SA3JPTM4/index.html>

-The Sentinel Asia Steering Committee Joint Mission to MBRSC, Dubai, MBRSC, October 5, 2017

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