

***This service summarizes current satellite mapping activities of interest to GDACS stakeholders. It is issued weekly and based on contributions from map-producing entities and GDACS partners.***

## Satellite mapping overview

As of 2 July 2018

### Asia

#### **Bangladesh flood – UNOSAT number: FL20180619BGD**

As incessant rainfall has triggered flooding situations in the north-eastern part of Bangladesh and India on 14 June 2018, UNITAR-UNOSAT has released a spatial analysis of the satellite-detected flood water extent over Syhlet Division in Bangladesh and Assam, Tipura and Mizoram states in India. Since the monsoons season is affecting also the Myanmar nationals refugee camps located in Cox's Bazar District, DG ECHO is monitoring the situation on the ground. More than 300 incidents (landslides, flooding and extreme wind) were reported and relocations of households at risk are ongoing.

Source: UNITAR-UNOSAT & ReliefWeb

Links:

<http://www.unitar.org/unosat/maps/BGD>

<https://reliefweb.int/map/bangladesh/bangladeshhroingya-crisis-floods-and-landslides-dg-echo-daily-map-27062018>

### Mongolia drought

The Information and Research Institute of Meteorology, Hydrology and Environment (IRIMHE) of the Mongolian government is constantly monitoring the drought conditions over the national territory. The related National Remote Sensing Center has released a drought map for the 3<sup>rd</sup> decade of June.

Source: ReliefWeb

Link: <https://reliefweb.int/map/mongolia/mongolia-drought-map-3rd-decade-june-2018-enmn>

### Oceania

#### **Vanuatu volcanic eruption – UNOSAT number: VO20180618VUT**

On 13 April 2018 Manaro Volcano in Ambae Island, in the Penama Province (Vanuatu), erupted with a massive spread of ashes. UNITAR-UNOSAT has released a spatial analysis of the satellite-detected potential ash deposit extent, the related exposure and the impact on the affected communities.

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Source: UNITAR-UNOSAT

Link: <http://www.unitar.org/unosat/maps/VUT>

## Europe

### UK wildfire – Copernicus number: EMSR291

On 24 June 2018, a wildfire broke out in the Saddleworth Moor, near Manchester, United Kingdom. As of 27 June 2018, 50 homes were evacuated and operations to control the fire were ongoing. Copernicus has released delineation maps over the affected area.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR291>

### Greece flood – Copernicus number: EMSR292

Due to heavy rainfall starting on 28 June 2018, floods and landslides occurred in the area of Chrisoupoli in North-Eastern Greece. Several rivers were flooded and thousands of acres of agricultural land and national roads were under water. Copernicus has released grading and delineation maps of the affected area.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR292>

### Romania flood – Copernicus number: EMSR293

A flooding event has started on 30 June 2018, affecting the central and eastern part of Romania. Almost 100 villages in 19 counties have been affected with hundreds of homes flooded and hundreds of people evacuated. A railway bridge in Brasov county has collapsed because of the flooding. Copernicus has released delineation and reference maps of the affected areas.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR293>

## Americas

### Guatemala volcano eruption – GLIDE number: VO-2018-000066-GTM

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On 3 June 2018, Volcan de Fuego, located in Southern Guatemala, experienced a strong eruption, inducing pyroclastic flow along with ash and small rocks emissions. The pyroclastic flow swallowed hundreds of homes and killed more than 100 people. More than three weeks after the eruption, the Landsat 8 satellite continued to detect elevated temperatures in some of the pyroclastic flow deposits over the most affected areas.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=92354>

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*This summary is compiled by the GDACS mapping & satellite imagery coordination mechanism, operated by the UNITAR Operational Satellite Applications Programme (UNOSAT).*

*When referring to this summary, please credit: GDACS, UNITAR-UNOSAT.*

*For comments, questions and to submit information on satellite image derived products, please contact: [maps@gdacs.org](mailto:maps@gdacs.org)*

*Sources indicate satellite analysis production entities and imagery providers. The products referenced in this summary are based on remote satellite imagery and may not be validated in the field prior to release, in which case findings are based only on what is observed in the satellite imagery.*