

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 5 June 2018

Middle East

Yemen tropical cyclone – UNOSAT number: TC20180525YEM

The tropical cyclone Mekunu-18 formed in the Arabian Sea on 22 May 2018 and made landfall on the Arabian Peninsula between 25 and 26 May 2018, bringing sustained rainfall and winds to the eastern mainland of Yemen and to the Yemeni archipelago of Socotra. The international Space Charter has been triggered by the Department for International Development UK and UNITAR-UNOSAT is continuing its effort in monitoring and analysing the situation over the Socotra archipelago.

Source: UNITAR-UNOSAT & International Charter Space & Major Disasters

Links:

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

<https://disasterscharter.org/web/guest/-/cyclone-in-yemen-activation-574->

Africa

Democratic Republic of Congo Ebola outbreak – GLIDE number: EP-2018-000049-COD

A new outbreak of Ebola Virus Disease (EVD) was declared by the Government of the Democratic Republic of Congo on 8th May 2018. The epicentre is the Bikoro District in the Equateur Province, western DRC. As of 31 May 2018, a total of 53 Ebola virus disease cases (counting confirmed, probable and suspected) were reported in Bikoro and Mbandaka.

Source: ReliefWeb

Links: <https://reliefweb.int/map/democratic-republic-congo/democratic-republic-congo-ebola-virus-disease-crisis-epidemiological>

Americas

U.S. subtropical storm

Subtropical storm Alberto-18 made landfall in the Florida Panhandle in late May 2018 and it was then downgraded to a subtropical depression. Alberto-18 delivered wind and rain to large swaths of the

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South-Eastern United States before spinning up toward the Midwest and Great Lakes. On 30 May 2018 it was moving across west-central Indiana and the day after it became a post-tropical cyclone while moving away from lower Michigan toward North-NorthEast.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=92221>

Asia

Western Asia dust storms

A series of potent dust storms swept across Iran, Turkmenistan, Afghanistan and Pakistan on 28 May 2018. Winds were reaching hurricane-force with speeds around 110 kilometers/hour near Zabol, Eastern Iran. The storms lasted up to 12 hours causing zero visibility in several points of the region and about 100 people injured.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=92212>

Sri Lanka floods - GLIDE number: FL-2018-000060-LKA

On 20 and 21 May 2018 heavy rainfall occurred resulting in flooding along the North Western, Western and Southern Provinces of Sri Lanka, affecting about 153.500 people. Four major rivers reached flood levels, while in 6 districts there is a “red alert” for possible landslides. The International Water Management Institute has released spatial analysis of the satellite-detected flood water extent in the districts of Puttalam, Kurunegala, Gampaha, Galle, Kaluthara, and Colombo.

Source: ReliefWeb

Link: <https://reliefweb.int/map/sri-lanka/mapping-inundation-extent-puttalam-district-north-western-province-sri-lanka-using>

Indonesia volcano eruption

On 1 June 2018 mount Merapi, located near Magelang, in Central Java Province (Indonesia), erupted three times, releasing each time an important column of ash cloud. Ahmad Yani Airport and Adi Sumarmo Airport were temporarily shut down on 1 June 2018. The alert status is maintained at Level II with a 3 km permanent danger zone.

Source: ASEAN Disaster Information Network (ADInet)

Link: <http://adinet.ahacentre.org/reports/view/1165>

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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

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.