

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 29 May 2018

Africa

Djibouti tropical cyclone and floods – UNOSAT number: TC20180520DJI

Tropical cyclone Sagar-18 made landfall in Somalia on 19 May 2018, causing heavy rainfall and flash floods across Djibouti. The most affected areas are Djibouti city and the suburb of Balbala. The international Space Charter has been triggered by UNOSAT on behalf of UNOCHA. UNITAR-UNOSAT has released a spatial analysis of the satellite-detected flood water extent, a flood analysis and evolution and a building damage assessment over Djibouti City.

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

Links:

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

<https://disasterscharter.org/web/guest/-/flood-in-djibouti-activation-572->

Democratic Republic of Congo Ebola outbreak – Copernicus number: EMSR285

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 Health District in the Equateur Province, western DRC. As of 24 May 2018, a total of 68 Ebola virus disease cases (counting confirmed, probable and suspected) were reported in Bikoro and Mbandaka.

Source: Copernicus EMS & ReliefWeb

Links:

<http://emergency.copernicus.eu/mapping/list-of-components/EMSR285>

<https://reliefweb.int/map/democratic-republic-congo/democratic-republic-congo-ebola-virus-disease-outbreak-dg-echo-daily>

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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. Along its path, on 24 May 2018 it passed over the Socotra Island inducing severe flooding. UNITAR-UNOSAT has released a preliminary and rapid analysis of the situation over the towns of Hadiboh and Qalansiyah, Socotra Island, Yemen.

Source: UNITAR-UNOSAT

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

Europe

Germany floods – Copernicus number: EMSR287

Flash floods occurred in the Saxony region, Germany, between 24 and 25 May 2018 caused by a thunderstorm and heavy rainfall. Some damages in the Vogtlandkreis had been reported.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR287>

Spain forest fire – Copernicus number: EMSR288

From 12 to 13 May 2018, forest fire occurred in the area of Santa Colomba, Leon Province, in the North-West of Spain. The regional government of the Junta de Castilla y León is interested in having a delineation map and a grading map of the forest fire because of the great extension and ecological value of the affected area.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR288>

Americas

Colombia risk of dam failure – Copernicus number: EMSR286

The Ituango Dam is an earth-filled dam currently under construction on the Cauca river near Ituango town, in Antioquia Department, Colombia. A series of events, starting on 28 April 2018 and currently still ongoing, create a high risk of failure of the earth embankment dam, with an estimation of potentially affected population of around 120.000 people.

Source: Copernicus EMS

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Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR286>

Canada wildfires

In May 2018, several wildfires burned near Lake Winnipegosis, about 400 km northwest of Winnipeg, in Central Manitoba, Canada. Hundreds of people were evacuated from the Sapotaweyak Cree community located along the lakeshore and on 21 May 2018, according to Natural Resource Canada, the forecasted fire danger for the area was extreme.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=92186>

Asia

Sri Lanka floods – DFO Flood Event: 4619 Sri Lanka

A storm that swept across several parts of Sri Lanka between 20 and 21 May, 2018, caused flash floods in several areas, with Southern, Western and Sabaragamuwa Provinces as the worst affected. Parts of North Western Province also recorded heavy rainfall. The government said that in total at least 5 people have lost their lives as a result of landslides, wind damage and lightning strikes and, according to the Disaster Management Centre (DMC), more than 13.000 people in 12 districts were severely affected.

Source: DFO - Dartmouth Flood Observatory

Link: <http://floodobservatory.colorado.edu/Events/4619/2018USA4610.html>

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.