

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 23 April 2018

South America

Colombia oil spill – UNOSAT number: OT20180410COL

Following the oil spill occurred on the 2 March 2018 in the Lizama and Caño Muerto creeks in the municipality of Barrancabermeja, Santander Department, Colombia, UNITAR-UNOSAT has released a spatial analysis of the potentially affected communities in the area, considering a 5 km buffer zone along the waterways.

Source: UNITAR-UNOSAT

Link: http://www.unitar.org/unosat/node/44/2785?utm_source=unosat-unitar&utm_medium=rss&utm_campaign=maps

North America

Hawaii floods – DFO Flood Event: 4601 USA

Floods and landslides have hit the county of Kauai, Hawaii, on the 15 April 2018, following unprecedented rains. The National Weather Service recorded over 685 mm of rainfall in Hanalei area during a 24-hour period from 14 to 15 April. DFO released a map of flooding from Copernicus Sentinel 1 data (provided by ESA).

Source: DFO - Dartmouth Flood Observatory

Link: <http://floodobservatory.colorado.edu/Events/2018USA4601/2018USA4601.html>

U.S. Wisconsin snowstorm

An unusual snowstorm affected the U.S. Midwest, particularly Green Bay, Wisconsin, from 13 to 16 April 2018. Roads and business were closed for several day and waves on Lake Michigan reached almost 5 meters height. Minor floodings could occur after the snow melting. The NASA Earth Observatory produced images of the area using MODIS data.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=92043&eocn=home&eoci=nh>

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Europe

Sweden floods – Copernicus number: EMSR280

Floods have hit the region of Dalarna, Sweden, since the 21 April 2018, following melting of deep snow accumulated during the winter. The floods could also affect residential areas. Copernicus Emergency Management Service has been activated in response to this event, analysing Enviken, Falun, Malung, Mora and Vansbro.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR280>

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.