

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 14 March 2016

Europe

Ireland floods – GLIDE number: EMSR156*

Heavy rainfall on grounds already saturated from months of precipitation led to flooding in the county of Roscommon, Ireland. In an effort to aid Ireland's National Directorate for Fire and Emergency Management, the Copernicus Emergency Management Service produced flood maps of the situation in Castel Plunket and Lough Funshinagh. Analysis of satellite imagery acquired 09 March 2016 revealed 319.3 hectares of flooded area and 51 affected inhabitants in Castel Plunket. A total of 148.7 hectares of inundated lands and 32 impacted residents were also found in Lough Funshinagh. Flood waters in this area were mainly observed around the Lough Funshinagh Lake. Civil defense teams are engaged in helping residents and local communities with the situation. Roscommon and several other counties experienced floods in the last few months as a result of considerable rainfall from a series of storms in late 2015 and early 2016. Map products are available for download in TIFF, PDF, and JPEG formats on the Copernicus Emergency Management Service website. Accompanying zipped vector packages are also provided on the website.

Source: Copernicus Emergency Management Service

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR156>

Oceania

Fiji tropical cyclone – GLIDE number: TC-2016-000014-FJI

Tropical cyclone Winston made landfall over Fiji on 20 February 2016 with Category 5 winds of up to 325 kilometers per hour. A state of emergency was declared by the government as hundreds of homes were destroyed, thousands of people were evacuated, and at least 42 were reportedly killed. The International Charter on Space and Major Disasters was activated by UNITAR-UNOSAT on behalf of UNOCHA on 19 February 2016. UNITAR-UNOSAT recently published a report of its damage assessment activities for Viti Levu Island. Using satellite imagery acquired 22, 26 and 28 February 2016, UNITAR-UNOSAT identified a total of 2,675 affected buildings in the analyzed areas of Viti Levu Island. Areas examined for damage include parts of the Ba, Ra, and Rewa provinces in the Western and Central divisions. This report is available for download as a PDF on the UNITAR-UNOSAT website. Accompanying data in ESRI shapefile and geodatabase format is also accessible on this website.

Source: UNITAR-UNOSAT

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

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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:

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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.

**Not an official GLIDE number, as event has no entry in GLIDE database, but used by GDACS for seamless information integration.*