

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 28 December 2015

Europe

Ireland floods – GLIDE number: EMSR149*

Heavy rainfall during the month of December 2015 caused flooding to occur in the central parts of Ireland. The locations of Athlone, Castleconnel, Corofin, Ennis, and Limerick were particularly affected by this event. In an effort to aid Ireland's National Directorate for Fire and Emergency Management, the Copernicus Emergency Management Service has monitored the situation and published updated maps of flood waters in Castleconnel, Corofin, Ennis, and Limerick. Recent analysis of satellite imagery acquired 18 December 2015 revealed a total flooded area of approximately 2,402.4 hectares in these locations. Roughly 2,385 hectares of land use areas were affected, as well as 1.7 hectares of settlements, and 2,989 inhabitants. The most flooded area was detected in Corofin (1,331 ha), followed by Limerick (399.4 ha), Ennis (380 ha), and Castleconnel (292 ha). Map products are available for download in TIFF, PDF, and JPEG formats on the Copernicus Emergency Management Service website. Accompanying zipped vectors packages are also provided on the website.

Source: Copernicus Emergency Management Service

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR149>

Middle East

Iraq complex emergency – GLIDE number: OT-2014-000074-IRQ

Ongoing conflict in Iraq has caused significant structural damage and destruction to some of the country's cities, towns, and villages. UNITAR-UNOSAT recently released a map of damage in Zravky village located in Sinjar district, as well as an updated damage assessment of Sinjar town. In its analysis of satellite imagery acquired 18 and 28 November 2015, as well as 30 December 2014 and 07 August 2014, UNITAR-UNOSAT identified a total of 7 affected structures in Zravky village. Of these structures 1 was destroyed, 5 severely damaged, and 1 moderately damaged. The updated damage assessment of Sinjar town revealed a total of 1,350 potentially affected structures or roughly 13% of the town. Approximately 369 of these were destroyed, 340 severely damaged, 394 moderately damaged, and 247 possibly damaged. Map products are available for download as PDFs 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/IRQ>

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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.*