

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 19 September 2017

Americas

Tropical Cyclone Caribbean– Glide Number : TC-2017-000125-DOM

The tropical cyclone IRMA-17 has severely affected numerous Caribbean islands and the south eastern part of the United States. Following the track of the cyclone, some of the more affected islands were Barbuda, Anguilla, the British Virgin Islands, Puerto Rico, Turks and Caicos and Cuba. UNITAR-UNOSAT released a comprehensive satellite-detected building damage overview to summarize the detected damage and two damage assessments in Turks and Caicos. On the other hand, Copernicus EMS delineated and monitored the flooded areas using imagery from the 13, 15 and 17/09/2017 in the cities of Jacksonville North, Jacksonville South, Tampa North and Tampa South.

Source: UNITAR-UNOSAT / Copernicus EMS

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

<http://emergency.copernicus.eu/mapping/list-of-components/EMSR241/DELINEATION/ALL>

Tropical Cyclone Caribbean (Maria) – Glide Number: TC-2017-000136-MTQ

Another hurricane called Maria-17 is threatening several Caribbean islands. This hurricane, which can potentially become a category 4, is moving towards Guadeloupe, Dominica, Puerto Rico and other islands in the region. Accordingly, UNITAR-UNOSAT released a population exposure analysis and estimated nearly 15 million exposed people, from which 3.7 million are located in wind speed zones higher than 120 km/h. In the following days, monitoring and damage assessment analyses are expected.

Source: UNOSAT-UNITAR

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

Europe

Forest Fire Greece – Copernicus EMS number: EMSR242

The western part of Greece has been affected by forest fires since 11 September 2017. In response, Copernicus EMS delineated 1800 ha of burnt area as of 24 September 2017 using Spot-6 imagery. The number of estimated affected people was 20 in residential and industrial areas.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR242>



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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.