

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 16 January 2018

Africa

Madagascar Tropical Cyclone – GLIDE number: TC-2018-000001-MDG

Following the landfall of the Tropical Cyclone AVA-18 on the eastern coasts of Madagascar, on 5th January 2018, the Copernicus Emergency Management Service has further delivered a flood delineation map of the commune of Miandrivazo. The analysis reveals that 286 people are affected by the cyclone and 954 ha are covered in standing water.

Source: Copernicus-EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR264>

Mauritius, La Reunion Tropical Cyclone

As of the 15 January 2018 a tropical cyclone Berguitta is expected to hit the islands of Mauritius and La Reunion on the 17 January 2018. This forecast is based on the JRC cyclone model. The Emergency Response Coordination Centre (ERCC) and DG ECHO (European Commission) have released a predicted cyclone track and windspeed zone infographic of Berguitta. According to the analysis, on the 17 January 2017 the wind speed will reach 200 km/h and more than 1.5 million people will be potentially exposed to windspeeds higher than 118 km/h. UNITAR-UNOSAT is monitoring the situation and is ready to activate, in case the future conditions require international humanitarian emergency response.

Source: Reliefweb

Link:

https://reliefweb.int/sites/reliefweb.int/files/resources/ECDM_20180115_Mauritius_Reunion_TC-BERGUITTA.pdf

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Asia

Philippines volcano hazard

As of 16 January 2018, the volcano Mayon in the Albay Province, Philippines has resumed its activity, by erupting on Sunday 14 January. The Philippine Institute of Volcanology and Seismology is monitoring the volcano, in case of further eruptions in the following days. On the 16 January UN-OCHA has released a population exposure and hazard analysis of the area at risk. Based on a 2015 census ~860,000 people are exposed to the volcanic hazard.

Source: Reliefweb

Link:

https://reliefweb.int/sites/reliefweb.int/files/resources/180116_OCHA%20PHL_Mayon%20Volcano%20Hazard%20map%20Population.pdf

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.