

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 20 February 2017

Africa

Mozambique floods & Tropical Cyclone Dineo -17 – GLIDE number: FL-2017-000012-MOZ / FL-2017-000020 - ZWE

Tropical Cyclone Dineo made landfall near Inhambane, Southern Mozambique on 15 February 2017, bringing with it strong winds exceeding 100km/hr, rough sea and torrential rain. According to MTOTEC (satellite imagery, surface analysis, and storm system information for the South West Indian Ocean cyclone basin), the storm evolved from severe tropical storm to Category III Tropical Cyclone and reclassified as Ex-Dineo.

On 15 February 2017, UNITAR-UNOSAT performed a population exposure analysis that provided estimations of potentially population affected by the expected cyclone track and wind speed zones of Cyclone Dineo-17. According to the UNOSAT analysis, approximately 250,000 people in Mozambique may be exposed to over 120km/h sustainable wind speed zones and 59,000 people might be exposed to 90km/h wind speed. About 1,160,000 people might be exposed to moderate winds of 60km/h. This analysis reveals that Inhambane is potentially the most affected province by Cyclone Dineo-17, especially the districts of Massinga and Morrumbene.

Heavy rainfall is also expected according to microwave satellite sensors and might induce flooding in the affected areas. On 16 February UNITAR-UNOSAT carried out a precipitation analysis from 13 to 16 (10:00UTC) February 2017, illustrating the total precipitation accumulation for Mozambique and Zimbabwe. According to the UNOSAT analysis, precipitation levels reached over 300-400 mm, especially in Massinga and Funhalouro districts, Inhambane province, Mozambique.

Source: UNITAR-UNOSAT

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

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Asia

Philippines earthquake – GLIDE number: EQ-2017-000016-PHL

On 10 February 2017, a 6.7 magnitude earthquake struck the island of Mindanao in the Philippines at 22:03 (local time). The epicentre of the earthquake was 14km Northeast of Surigao city. At least 8 people have been killed and over 200 injured. At least 50 villages in the area have been affected by the earthquake and aftershocks.

On 13 February 2017, the International Disaster Space Charter has been activated by the Department of Social Welfare and Development (DSWD) on behalf of Asian Disaster Reduction Center (ADRC)

Source: International Charter Space & Major Disasters

Link: <https://www.disasterscharter.org/web/guest/-/earthquake-in-philippines-call-599->

This summary is compiled by the GDACS mapping & satellite imagery coordination mechanism, operated by the UNITAR Operational Satellite Applications Programme (UNOSAT).

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For comments, questions and to submit information on satellite image derived products, please contact: maps@gdacs.org

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