

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 6 November 2017

Americas

Earthquake Mexico – GLIDE Number: EQ20170919MEX

Following the earthquake that occurred in Mexico on 19 September 2017, UNITAR-UNOSAT in collaboration with the Autonomous University of the State of Mexico (UAEM) carried out a set of damaged structure analyses in different municipalities of Mexico City. Using WorldView-2 images of 26 September 2017, 16 potentially damaged structures have been detected in Cuauhtepac Madero colony and 17 in the Capultitlan colony. With WorldView-2 satellite Imagery as of the 20 September 2017, 87 potentially damaged structures were identified in the Xochimilco and Tlahuac Municipalities, 63 of which in Santa Maria Nativitas colony. Using WorldView-2 imagery acquired as of 20 and 26 September 2017 and Pleiades acquired as of 22 September 2017, 201 potentially damaged structures were observed in Venustiano Carranza, Cuauhtemoc, Benito Juarez, Coyoacan and Iztapalapa Municipalities. Further damage assessments have been carried out by IGG-UNAM in the areas of San Andrés Cholula and San Pedro Cholula, Puebla State, Mexico. 39 damaged structures were identified using satellite images captured on 20 September 2017. Finally UNITAR-UNOSAT identified in the town of Jojutla, Morelos State 9,400 m² of areas where debris has been cleared, 6,500 m² of standing debris and 5,000 m² of visible potential debris disposal.

Source: UNITAR-UNOSAT

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

Asia

Tropical Cyclone Viet Nam (Damrey)– GLIDE number: TC2017000159VNM

A tropical storm had been tracked by the Pacific Disaster Centre on the 1st November southwest of Viet Nam heading towards the Vietnamese coast at 11 knots. An exposure model (TAOS), based on estimated wind impacts on the coast has been built using NOAA data. The coast between Nha Trang and Qui Nhon are the most vulnerable areas of the Country.

UNITAR-UNOSAT has requested the activation of the Space Charter for the Damrey typhoon and further maps and infographics are expected to be published in the following days.

Source: Pacific Disaster Center

Link: <https://reliefweb.int/map/viet-nam/tropical-storm-twenty-eight-estimated-impacts-warning-2-02-november-2017-0300-utc>