

***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.***

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## Satellite mapping overview

As of 15 June 2017

### Asia

#### **Bangladesh flood – GLIDE number: TC-2017-000058-BGD**

Tropical Cyclone Mora hit the southeast of Bangladesh on May 30, 2017, bringing high winds and torrential rain. The districts of Cox's Bazar and Chittagong in the Chittagong Division were the most affected ones. UNOSAT performed an analysis of the flood and standing waters situation in these divisions. Damage assessment were then delivered for the Cox's Bazar Paurashava Union, the Khurushkul Union and three affected refugee camps were also assessed: Leda, Nayapara and Kutupalong in the Nhila Union, the Teknaf Union and the Palong Khali Union respectively. Currently some landslides continue to affect this area due to heavy monsoon rains.

Source: UNOSAT

Link: <https://unitar.org/unosat/maps/BGD>

### Africa

#### **South Africa fire**

The Western and Southern Cape provinces of South Africa have been seriously damaged by wildfires, causing the death of 9 people. According to the disaster charter, the situation was worsened by powerful winds and the worst drought the Western Cape has experienced in over a century. The number of evacuated people are estimated to be 10,000, and only in the town of Knysna almost 500 buildings were devastated. Although the fire was contained on 11 June, authorities haven't confirmed that it is safe for residents to return yet.

Source: Disaster Charter

Link: <https://www.disasterscharter.org/web/guest/activations/-/article/fire-in-south-africa-call-615->

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## South America

### Uruguay Flood

Heavy rains have caused severe flooding in the eastern part of Uruguay and more specifically in the Departments of Salto, Paysandú and Artigas. The water extent was analysed by the Argentinean Space Agency using a RADARSAT-2 image acquired from the 7<sup>th</sup> to the 11<sup>th</sup> of June 2017 in the border of Argentina, Brazil and Uruguay. The monitoring was specially focused on the borderline and the neighbouring cities of Salto (Uruguay) and Concordia (Argentina), Uruguaiana (Uruguay) and Paso de Los Libres, Pazzandu (Uruguay) and Colón (Argentina), and the Bella Unión City (Uruguay). According to the same sources to 3500 people were displaced and the Uruguay's National Emergency System (SINAE) took care of the relief efforts.

Source: CAEARTE-CONAE

Link: [http://reliefweb.int/sites/reliefweb.int/files/resources/Flooding\\_in\\_Uruguay\\_8Jun2017\\_RADAR\\_SAT\\_2.pdf](http://reliefweb.int/sites/reliefweb.int/files/resources/Flooding_in_Uruguay_8Jun2017_RADAR_SAT_2.pdf)

### Honduras Flood

Heavy rains have caused floods in the southwest of Honduras, especially in the Choluteca Department since June 10, 2017. Two people are confirmed dead, 253 displaced and 129 houses have been damaged with a total estimation of 554 affected people according to the National Permanent Commission of Emergencies (COPECO).

Source: Disaster Charter

Link: <https://www.disasterscharter.org/web/guest/activations/-/article/flood-in-honduras-call-616->

### Guatemala / Mexico Earthquake

An earthquake of magnitude 6.9 Mw struck the west of Guatemala and the Southeast of Mexico early in the morning of June 14, 2017. UNOSAT realised a Population Exposure Analysis taking in account the intensity zones of the earthquake (USGS) and the population concentration (WordPop). A little more than 4 million people were identified in intensities zones V and VI (very light to light potential damage), from which 3.3 million were in Guatemala and 800 000 in Mexico. In Guatemala, five people were reported dead and seven injured after the earthquake; no casualties were reported in Mexico.

Source: UNOSAT

Link: [http://unosat-maps.web.cern.ch/unosat-maps/GT/EQ20170614GTM/UNOSAT\\_PoP\\_Exposure\\_Analysis\\_EQ20170614GTM\\_GTM\\_MEX.pdf](http://unosat-maps.web.cern.ch/unosat-maps/GT/EQ20170614GTM/UNOSAT_PoP_Exposure_Analysis_EQ20170614GTM_GTM_MEX.pdf)



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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.*