

***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 14 August 2017

### Asia

#### **Lao People's Democratic Republic Tropical Storm – UNOSAT Number: TC20170731LAO**

After the Tropical Storm SONCA-17 that hit Lao PDR on 26 July 2017 and the previous Tropical Cyclone Talas-17 that hit Lao PDR on 17/07/2017, severe floods have affected the country. On 11 August, UNITAR-UNOSAT further explored and analyzed the extent and the magnitude of the event in three districts of the Vientiane Province with Sentinel-1 imagery from 01 August 2017. An estimation of 2,045 hectares of potentially flooded areas were detected in the district of Phonhong, while 1,077 ha were observed in the Viengkham district and 1,020 ha in the Hinherb district.

Source: UNITAR-UNOSAT

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

#### **China Earthquake – GLIDE number: EQ-2017-000104-CHN**

On 09 August 2017, a 7.0-magnitude earthquake struck the Jiuzhaigou County, Sichuan, China. The latest reports account 24 killed people and over 493 people injured. The European Civil Protection and Humanitarian Aid operations published the location of the affected area on the Daily Map – 09/08/2017. Additionally the World Food Program published another map of the earthquake impact and further population exposure information.

Source: Reliefweb

Link: [http://reliefweb.int/sites/reliefweb.int/files/resources/convert-jpg-to-pdf.net\\_2017-08-09\\_20-59-44.pdf](http://reliefweb.int/sites/reliefweb.int/files/resources/convert-jpg-to-pdf.net_2017-08-09_20-59-44.pdf)

### Europe

#### **Greenland Forest fire – Copernicus EMS number: EMSR218**

Following the past wildfire events that were first detected on 31 July 2017, Copernicus EMS delineated the affected area. With a Sentinel 2 image acquired on 20/07/2017 and a SPOT 6/7 image acquired on 06/08/2017, 15 active flames and 479 hectares of burnt area were detected near the Qaasuitsup municipality.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR218>

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## Americas

### Venezuela Floods - GLIDE number: NA

Due to heavy and prolonged rains across eastern parts of Venezuela, floods have largely affected three states of the country: Delta Amacuro, Bolivar and Merida. The National Oceanic and Atmospheric Administration (NOAA) published the flood extent in the eastern and western part of the Orinoco River with Soumi-NPP/VIIRS imagery from August 01 to 06, 2017. Besides, the Venezuelan space agency (ABAE) monitored the flooding situation in the cities of Puerto Ordaz and San Felix, state of Bolivar after the rising waters of the Caroni River with satellite imagery from TanDEM-X (31/09/2016 & 08/08/2017), VRSS-1 (06/08/2017) and Sentinel-2 (18/07/2017 & 31/07/2017). Additionally, ABAE and the French space agency (CNES) assessed the municipality of Caroni, State of Bolivar with Pleiades imagery from 08/08/2017.

Source: NOAA, ABAE and CNES

Link: <https://www.disasterscharter.org/web/guest/-/flood-in-venezuela-bolivarian-republic-of-call-619->

*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](mailto: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.*