

***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 07 August 2017

### Asia

#### **Lao People's Democratic Republic Tropical Storm – UNOSAT Number: TC20170731L AO**

After the Tropical Storm SONCA-17 that hit Lao PDR on 26 July 2017, the southern part of the country had been affected by floods. UNITAR-UNOSAT explored and analyzed the extent and the magnitude of the event in different provinces with Sentinel-1 SAR images from 27 and 30 July 2017. Two Preliminary Rapid Flood Assessment were released. The first on the Khammouan and Savannakhet Provinces showed potential flooded agricultural land and increasing water levels in the river and the reservoir in the central part of the Khammouan Province. The second showed receding or still waters in the districts of Khongxedone, Kaleum, Thateng, Lamarm, Dakcheung, Pathoomphone, Sanamxay and Phouvong; on the contrary, in the Sukhuma district flooded agricultural areas seemed increased. Three analyses that are more detailed were performed in the Khongxedone District (Salavan Province) where almost 3,000 hectares were likely flooded, in the Champasack, Sukhuma and Pathoomphone Districts (Champasack Province) where more than 15 000 ha seemed possibly flooded and in the Sanamxay District (Attapeu Province) where a more than 5,000 ha were possibly flooded.

Source: UNITAR-UNOSAT

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

#### **Thailand Tropical Storm – GLIDE number: FL-2017-000096-THA**

Following the recent Tropical Storm SONCA-17 that hit Thailand on 26 July 2017, the northeastern part of the country has been affected by floods. Severe damage has been reported in 18 districts of the Sakon Nakhon province, in the Ban Dung district of the Udon Thani province and in the Kalasin province; in this last one the floods have affected more than 10,000 households and overall, eleven districts have been declared disaster zones. In response, the Thailand Flood Monitoring System of the Geo-Informatics and Space Technology Development Agency (GISTDA) has assessed the flood situation over the past days.

Source: Thailand Flood Monitoring System, GISTDA

Link: <http://flood.gistda.or.th/>

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## Europe

### **Spain Forest Fire – Copernicus EMS number: EMSR216**

Following the recent wild fires events that have affected Spain in the past months, a new forest fire took place in a large forest area the southeast of the country starting on 27 July 2017 and forcing around 500 people to evacuate. In response, Copernicus-EMS delineated and analyzed five main affected areas, with SPOT-6/7 imagery from the 4 August 2017. The most affected places were reported in Los Collados (1,873 hectares of burnt area), El Calar (222 ha), Torre Pedro (867 ha), Rala (100 ha) as well as in Raspilla (132 ha).

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR216/GRADING/ALL>

### **Spain Wildfire – Copernicus EMS number: EMSR219**

Another wildfire event took place in the municipality of Segura de la Sierra in the Jaen Province affecting the Natural Park of Cazorla, Segura, Las Villas and the nearby municipalities. Copernicus-EMS delineated and analyzed 616 hectares of burnt area in the municipality Segura de la Sierra with a WorldView-2 post image (05/08/2017) and ESRI World Imagery (12/07/2014) for the pre-event.

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR2019>

### **Albania Forest fire – Copernicus EMS number: EMSR217**

Since the 03 August 2017, a series of wildfires have affected large forest areas, pastures and bushes in the southern part of Albania. Copernicus EMS delineated and graded the damage in four areas and reported 58 burnt hectares and 7 active flames in Sllatine, 51 burnt hectares in Dajti, 200 ha in Dukat and 63 ha in Vranisht. This analysis was performed with Spot-7 imagery (04/08/2017) and Pleiades (04/08/2017)

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR217>

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

Since the 31 July 2017, a wildfire was detected near the cities of Sisimiut and Kangerlussuaq in the southwest of Greenland. In response, Copernicus EMS was activated to grade the situation; however, the analysis has not been yet performed due to a current lack of data.

Source: Copernicus EMS

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

## **Africa**

### **Tunisia forest fire – Copernicus EMS number: EMSR220**

Fire forests events in Tunisia have severely affected the centre and northwest part of the country, strengthened by the high temperatures and strong winds. In response, Copernicus-EMS delineated two main affected areas, with SPOT-6 imagery from the 6 August 2017. The affected places were reported in Sidi Ferdjani (16,376 hectares of burnt area), and Haddada (1,162 ha).

Source: Copernicus EMS

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR220>

*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.*