

***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 25 February 2019

### Asia

#### Tropical Storm OMA-19 in Vanuatu – Glide Number TC20190213VUT

The tropical cyclone OMA-19 was originated on the 12 February 2019 on the Pacific and heading toward Vanuatu and New Caledonia. It became a tropical cyclone Category 2 on the 13 February 2019 according to Vanuatu's Meteorological Service. As of 13 February, OMA-19 was slowly going east-southeast direction and the predicted provinces to be affected included Sanma, Torba, Penma and Malampa, which have been placed on red alert by the National Disaster Office of Vanuatu. The western part of Sanma was expected to experience sustained wind speed > 90km/h.

Based on data of the expected tropical cyclone path OMA, wind speeds zones from Joint Research Centre (Issued on 13 February 2019 06:00 UTC), and population data from WorldPop 2015, UNITAR-UNOSAT conducted a population exposure analysis for Vanuatu. As results, it was estimated that about 4% of population of Vanuatu was potentially exposed to sustained wind speed of 90 km/h, and 80% were exposed to sustained wind speed of 60 km/h. Also, about 2.5% of buildings of Vanuatu were expected to be exposed to the 90km/h sustained wind speed.

In addition, the Emergency Response Coordination Center (ERCC) published, on 19 February 2019, a map illustrating the storm track path forecast.

Source: UNITAR-UNOSAT & ERCC

Link: <https://www.unitar.org/unosat/node/44/2863>

[https://erccportal.jrc.ec.europa.eu/ercmaps/ECDM\\_20190219\\_TC\\_OMA\\_update.pdf](https://erccportal.jrc.ec.europa.eu/ercmaps/ECDM_20190219_TC_OMA_update.pdf)

#### Tropical Cyclone Wutip in Guam - Glide number not available

Between 21 February and 24 February 2019, the Government of Guam and the Pacific Disaster Center (PDC) published several track maps regarding the Tropical Cyclone Wutip that is currently ongoing in the Guam island area located in the Pacific Ocean. A map illustrating the forecasting estimated impacts was published by the PDC on 21 February 2019.

Source: Government of Guam, PDC and Reliefweb

Links: <https://reliefweb.int/map/guam/typhoon-wutip-estimated-impacts-warning-10-21-february-2019-1500-utc>

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<https://www.pdc.org/weather/>

<https://ghs.guam.gov/jic-release-no-21-super-typhoon-wutip-moves-away-damaging-winds-and-hazardous-seas-remain>

## Europe

### Forest Fire in Corsica – Copernicus EMS Number: EMSR344

On the night of the 23<sup>rd</sup> of February 2019, several fires were declared on the island of Corsica, France. The worst of these fires lied to the south of Calenzana, Haute-Corse Department, where many hectares are reported as burnt (French Civil Security). As of 24 February 2019, the fire was heading towards Bonifato Forest. The Copernicus Emergency Management Services (EMS) was requested to monitor this fire as or if it will evolve in the coming days.

Source: Copernicus EMS

Link: <https://emergency.copernicus.eu/mapping/list-of-components/EMSR344>

## South America

### Sever weather and Floods in Peru - Glide number not available

Heavy rainfall has been affecting southern Peru over the last weeks, causing rivers to overflow (especially the Rio Locumba), triggering floods, landslides and mudslides. Expected most affected area were Apurimac, Arequipa, Ayacucho, Cusco, Huancavelica, Ica, Lima, Moquegua, Puno and Tacna.

As of 20 February 2019, the Emergency Response Coordination Center (ERCC) published a map illustrating the past 14-days rainfall accumulation over the entire country, as well as 10-days rainfall forecast and provinces in state of alert.

Source: Reliefweb & ERCC

Links: <https://reliefweb.int/report/peru/peru-floods-and-landslides-senamhi-coen-media-echo-daily-flash-21-february-2019>

[https://ercportal.jrc.ec.europa.eu/ercmaps/ECDM\\_20190220\\_Peru\\_SevereWeather.pdf](https://ercportal.jrc.ec.europa.eu/ercmaps/ECDM_20190220_Peru_SevereWeather.pdf)

<https://ercportal.jrc.ec.europa.eu/ECHO-Flash/ECHO-Flash-List/yy/2019/mm/2>