

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 14 January 2019

Asia

Indonesia Tsunami – Glide Number: TS-2018-000423-IDN

On the 22nd of December 2018, a tsunami triggered by the volcanic activity of the Anak Krakatau volcano, hit coastal areas the Sunda Strait in western Java, Indonesia. The most affected areas include Carita Beach in Banten Province as well as districts of Padanglambung, South Lampung and Serang.

Copernicus Emergency Management Service (EMS) published 4 additional grading maps over the areas of Lampung East, Lampung West, Kalianda, Anak Krakatau.

The Emergency Response Coordination Center (ERCC) published an assessment map of the Sunda Strait area on 7 January 2019. Based on images of damages from EMS, it relays that a large percentage of buildings were destroyed by the tsunami and that these results were confirmed by first survey conducted by the Indonesian Syiah Kuala University. This survey covered about 100 km of coastline in Banten and 14 km in Southern Lampung area. The highest flow depth was reported in Cipenyu Beach-Tanjung Lesung of Padanglambung District with an estimated height of 9.6m Mean Sea Level.

Sources: Copernicus EMS, ERCC, Reliefweb, Disasters Charter, UNITAR/UNOSAT

Links: <https://emergency.copernicus.eu/mapping/list-of-components/EMSR335>

https://erccportal.jrc.ec.europa.eu/ercmaps/ECDM_20190107_Sunda_Strait_Tsunami.pdf

<https://reliefweb.int/disaster/ts-2018-000423-idn>

<https://disasterscharter.org/web/guest/activations/-/article/ocean-wave-in-indonesia-activation-594->

http://www.unitar.org/unosat/node/44/2860?utm_source=unosat-unitar&utm_medium=rss&utm_campaign=maps

http://www.unitar.org/unosat/node/44/2861?utm_source=unosat-unitar&utm_medium=rss&utm_campaign=maps

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.

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maps@gdacs.org

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Europe

Italy wind storm – Copernicus number: EMSR334

Copernicus is continuing to deliver products regarding the heavy rain and windstorm events that occurred in late October 2018 in northeast Italy. Copernicus Emergency Management Service has been activated and has, since then, been releasing delineation maps over the affected areas.

Between the 8 and the 11 of January 2019, 12 updated delineation maps were published over the areas of Vestone, Gardone Val Trompia, Belluno, Breno, Gargnano, Padola, Santo Stefano di Cadore, Pove del Grappa, Sappada, San Pietro di Cadore, Bosco and Asiago.

Source: Copernicus EMS

Link: <https://emergency.copernicus.eu/mapping/list-of-components/EMSR334>

Middle East

Lebanon Local Storm Norma – Glide Number: ST-2019-000002-LBN

On 6 January 2019, heavy rains, high winds and colder temperatures were reported over Lebanon with regions touched either by flooding, erosion or snowstorms.

Latest reports indicated on 13 January 2019, that more than 70'000 refugees were at risk because of Norma storm, half of whom were children. Part of this number, at least 700 Syrian refugees have been evacuated and 900 Syrian refugees are displaced by the impact of the storm. The first needs are shelter, winterisation kits including blankets, warm clothes, and heating fuel as well as health, WASH and food assistance.

Sources: Reliefweb

Links:

<https://reliefweb.int/disaster/st-2019-000002-lbn>

<https://reliefweb.int/report/lebanon/70000-refugees-risk-after-heavy-snow-and-floods>

https://reliefweb.int/sites/reliefweb.int/files/resources/20190111_acaps_briefing_note_storm_norma_lebanon_final.pdf

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South America

Brazil floods – Disasters Charter Activation ID: 595

The rivers Ibirapuita, Ibicui and Uruguai broke their banks and caused flooding events following heavy rainfall over the area of Rio Grande do Sul State on 13 January 2019. MetSul Meteorologia reported 497mm of rainfall in 72 hours as well as strong winds in the state of Uruguai. One fatality was reported and more than 2'000 had to move to temporary accommodations as the floods damaged houses, blocked roads and water supplies were disrupted.

Source: Disasters Charter

Link: <https://disasterscharter.org/web/guest/activations/-/article/flood-in-brazil-activation-595->

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