

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 30 January 2018

Europe

France floods – Copernicus number: EMSR265

Heavy rains on Paris and the Grand Est region in France have caused the flooding of rivers, amongst which the Rhine and the Seine since the 23 January 2018. International media report around 1,500 people evacuated in the greater Paris region. In support of the French population, Copernicus Emergency Management Service and SERTIT are monitoring the floods. Satellite-detected floodwater analyses of the areas east of Paris and south of Strasbourg have been delivered by the two organizations respectively. Further updates will be released in the following days.

Source: Copernicus-EMS, SERTIT

Link: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR265>, <http://sertit.u-strasbg.fr/RMS/action.php?id=7615098111>

Asia

Philippines volcano hazard –GLIDE number: VO-2018-000005-PHL

Following the reactivation of the volcano Mayon, on the 16 January 2018, in the Albay Province, Philippines, the International Space Charter has been activated. The Philippine Institute of Volcanology and Seismology has released satellite-detected volcanic deposit analyses. UNITAR-UNOSAT has been activated as well and will contribute to supporting the Project Manager in this event.

Source: International Charter Space and Major Disasters

Link: <https://disasterscharter.org/web/guest/-/volcano-in-philippines-activation-562->

Mongolia cold wave-GLIDE number CW-2018-000011-MNG

Since 20 December 2017 a cold wave has hit Mongolia and is still ongoing. More than 40% of the country is at extreme risk of dzud and 20% is at high risk of dzud, according to a report of IFRC of 24 January 2018. The Information and Research Institute of Meteorology Hydrology and Environment is monitoring the snow cover by using Modis Aqua and Terra Products.

Source: Reliefweb

Link: <https://reliefweb.int/map/mongolia/snow-cover-map-mongolia-20180130>

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Oceania

Australia bushfire

On the 22 January 2018, a bushfire burned through the Pilliga forest in New South Wales, Australia, destroying 594 square kilometres of vegetated land. NASA Earth Observatory for Natural Hazards has conducted an analysis using MODIS data, detecting burn scars and revealing hot spots caused by active fires underneath the smoke.

Source: NASA Earth Observatory

Link: <https://earthobservatory.nasa.gov/NaturalHazards/view.php?id=91634&eocn=home&eoci=nh>

Papua New Guinea volcano- GLIDE number: VO-2018-000002-PNG

On the 22 January 2018 the International Charter for Space and Disasters has been activated for the eruption of the volcano Kadovar, in Papua New Guinea. The volcano has been showing unrest for several weeks, such as ash and steam plumes 800 m high and seismic activity. An eruption is thought to be imminent. The Asian Institute of Technology has released an analysis showing the formation of a new vent on the eastern flank of the volcano. Future maps and data will be published in the following days. UNITAR-UNOSAT is also monitoring the volcano and will give a contribution whether required.

Source: International Charter Space and Major Disasters

Link: <https://disasterscharter.org/web/guest/-/volcano-in-papua-new-guinea-activation-563->

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

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.