

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 April 2015

Africa

South Sudan complex emergency – GLIDE number: TBD

As a result of instability in South Sudan, multiple IDP camps were established in different areas of the Country. Based on satellite images acquired by UNITAR/UNOSAT on March 31st in the context of REACH a map of health facilities in Mingkaman has been published on April 2nd. Mapped facilities include also humanitarian facilities, dump sites, police stations, market and other civil facilities. The REACH map product is available for download as a PDF on the initiative website.

Source: REACH

Links: http://www.reachresourcecentre.info/system/files/resource-documents/reach_ssd_map_awerial_mingkamanhealthfacilities_31mar2015_a3_1.pdf

Asia

India Flood– GLIDE number: FL-2015-000029-IND

Heavy and incessant rains over the last week of March resulted into flash floods and landslides flash floods in the Jammu and Kashmir State in India. Different areas of the Jhelum river basin including the summer capital Srinagar have been affected by flooding. A landslide event caused the death of 16 people in Chadoora. The International Charter for Space and Major Disasters was activated on 30 of March by Indian Space Research Organisation (ISRO). A second satellite-based flood map of the Kashmir valley along the Jhelum River have been released from the National Remote Sensing Centre (NRSC). This analysis is based on Rapid Eye and Kompsat satellite images acquired on 05 and 06 April 2015 and reports extent of receded waters. NRSC's map is available for online viewing and download in JPEG format on the International Charter for Space and Major Disasters website.

Sources: International Charter for Space and Major Disasters

Link: <https://www.disasterscharter.org/web/guest/-/flood-in-india>

North America

United States tropical Cyclone – GLIDE number: TBD

According to NASA, multiple tornados were reported in Illinois on April 9, 2015, with at least one massive twister touching down near the town of Rochelle causing damage in the nearby communities of Fairdale, Kirkland and Ashton. At least two people were killed, including a 67-year-

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old woman in Fairdale, and around a dozen others were treated for injuries at local hospitals, according to the fire department from the nearby town of Rockford, which has been performing search and rescue operations in the community. The Operational Land Imager (OLI) on Landsat 8 acquired an image with a top spatial resolution of 15 meters of northern Illinois on April 10. This image has been used to map the tornado's path and compare it to historical tornados recorded from 1950 in the same area in order to feed the NOAA database and make statistics. The map is available for online viewing and download in JPEG format on the NASA Earth Observatory's website.

Source: NASA Earth Observatory

Link: <http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=85689>

Oceania

Australia fires – GLIDE number: TBD

According to NAFI (North Australia Fire Information), fires are very likely to occur in the country northern region during the dry season, from its cool beginning between April and June to its hot, windy end between October and December. Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Aqua satellite has been acquired by the NASA Earth Observatory on April 9, 2015. The fires are outlined in red and the analysis highlights widespread fire spots in Western Australia and Northern Territory.

Sources: NASA Earth Observatory

Link: <http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=85676>

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.

**Not an official GLIDE number, as event has no entry in GLIDE database, but used by GDACS for seamless information integration.*