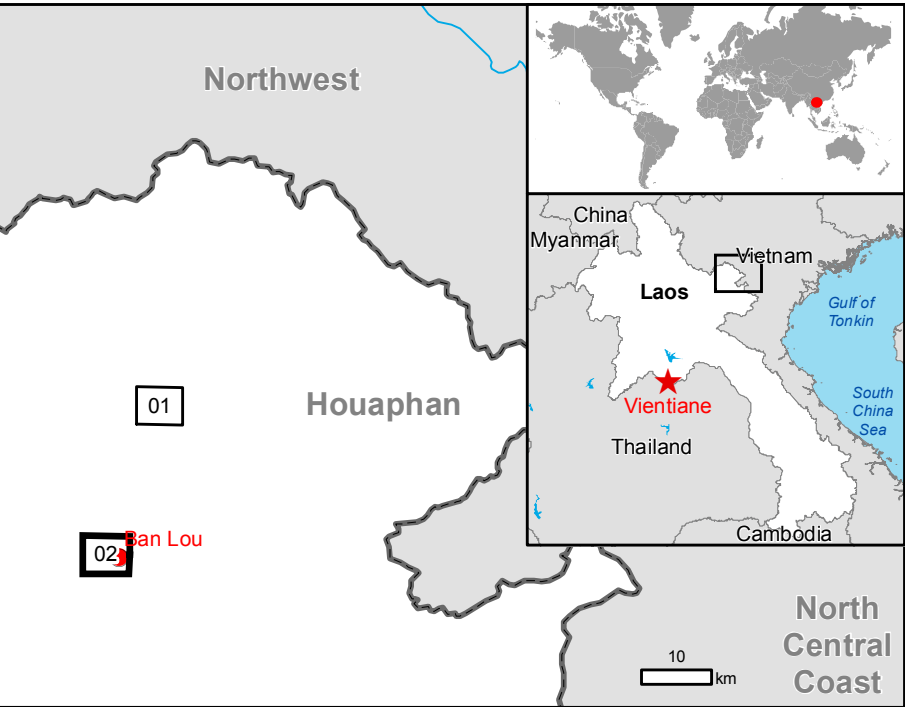


GLIDE number: N/A Activation ID: EMSR153
Product N.: 02BANLOU, v1, English

Ban Lou - LAOS

Cold Spell - Situation as of 10/02/2016

Grading Map



Cartographic Information

1:10000 Full color ISO A1, medium resolution (200 dpi)

0 0.25 0.5 1 km

Grid: WGS 1984 UTM Zone 48N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information **Hydrology** **Transportation**

General Information **Area of Interest** **River** **Bridge**

Settlements **Local Road**

Populated Place

NO AFFECTED AREAS OR DAMAGE DETECTED

The preliminary results provided in this maps are based on an exploratory analysis aiming at detecting vegetation stress indicators. So far, the adopted approach was unable to ascertain significant damage.

Map Information

A severe cold spell that hit Laos over the last few days has taken its toll on the northern region with more than 4000 livestock killed and a wide area of crops damaged. Preliminary data show that more than 400 hectares of crops and herbal plants were covered with snow and a large area of fruit trees was affected. It is also predicted that thousands of hectares of crops, herbal plants and fruit trees will suffer from the cold weather.

The present map shows the damage grade assessment in the area of Muang Khua - LAOS. The analysis is based on calculation of vegetation index (NDVI) and by means of visual interpretation. The estimated geometric accuracy is 3 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	25/11/2016	Situation as of	10/02/2016
Activation	01/02/2016	Map production	15/02/2016

Data Sources

Pre-event image: SPOT-6® CNES (2015), distributed by Airbus DS (acquired on 17/01/2016 03:13, GSD 2.5 m, 0 % cloud coverage, 16° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: Pleiades- 1A® CNES (2015), distributed by Airbus DS (acquired on 10/02/2016 03:53, GSD 0.6m, 0% cloud coverage, 15° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: Landsat 2010 © UT BATTELLE, LLC
Digital Elevation Model: SRTM 90m (NASA/USGS)

Disclaimer

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Map produced by e-GEOS released by e-GEOS (ODO).

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<http://emergency.copernicus.eu/mapping/list-of-components/EMSR153>

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