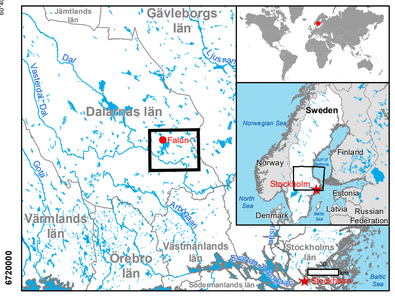
GLIDE number: N/A

Activation ID: EMSR280
Product N.: 03FALUN, v2, English

Falun - SWEDEN
Flood - Situation as of 13/05/2018
Delineation Map - MONIT05



Cartographic Information

1:73000

Full color ISO A1, medium resolution (200 dpi)

0 1.5 3 6 km

Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

N

Legend

Crisis Information
- Flooded Area (13/05/2018 16:39 UTC)
- Previous Flooded Area (10/05/2018 05:24 UTC)

General Information
- Area of Interest
- Image Footprint
- Not Analysed - No data

Placenames
- Placename

Administrative boundaries
- Region
- Province

Built-Up Area
- Built-Up Area

Hydrography
- River
- Stream
- Island
- Lake
- Reservoir
- River

Physiography
- Elevation Contour (m)

Facilities
- Construction for mining or extraction

Transportation
- Primary Road
- Secondary Road
- Long-distance railway
- Airfield runway

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha	1661.8	
Estimated population		Number of inhabitants	285	101469
Settlements	Residential	ha	16.1	7495
Transportation	Primary Road	km	0.3	36.2
	Secondary Road	km	0.1	112.4
	Long-distance railway	km	2.9	2.1
Facilities	Construction for minong extraction	ha	0.0	141.4

Map Information

Deep snow has accumulated in Sweden during the winter and is now producing floods in the region of Dalarna during its melt. The floods are estimated to reach its maximum in the coming days and flooded rivers could affect residential areas.

The present map shows the flood delineation in the area of Enviken (Sweden). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The thematic analysis is limited due to presumed snow and/or ice cover in the area, this means that many flood waters do not appear in SAR image. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	21/04/2018	Situation as of	13/05/2018
Activation	21/04/2018	Map production	26/06/2018

Data Sources

Pre-event image: Sentinel-2A (2017), (acquired on 06/07/2017 at 10:20 UTC and on 19/10/2017 at 10:20 UTC, GSD 10.0 m, 0% approx. cloud coverage in AoI), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.
Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2018) (acquired on 10/05/2018 at 05:24 UTC, GSD 8.0 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under COPERNICUS by the European Union and ESA, all rights reserved.
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Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: JRC 2013, © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015 http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.

Disclaimer

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Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.
Map produced by SIRS released by e-GEOS (ODO).

For the latest version of this map and related products visit http://emergency.copernicus.eu/EMSR280

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