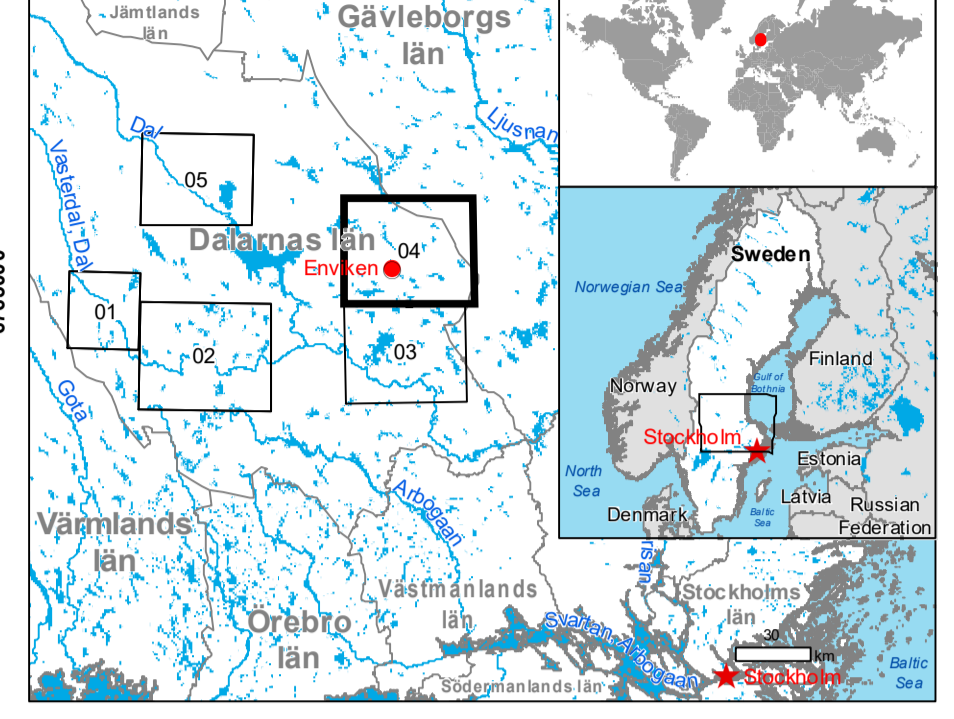


Enviken - SWEDEN

Flood - Situation as of 13/05/2018

Delineation Map - MONIT05



Cartographic Information

1:78000 Full color ISO A1, low resolution (100 dpi)

0 1.5 3 6 km

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

- Legend**
- Crisis Information**
 - Flooded Area (13/05/2018 16:39 UTC)
 - Previous Flooded Area (10/05/2018 04:32 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
 - Physiography**
 - Elevation Contour (m)
 - Facilities**
 - Construction for mining or extraction
 - Transportation**
 - Primary Road
 - Secondary Road
 - Long-distance railway

Consequences within the AOI

		Unit of measurement	Affected	Total in AOI
Flooded area		ha	693.8	
Estimated population		Number of inhabitants	106	6421
Settlements	Residential	ha	4.8	815
Transportation	Primary Road	km	1.4	65.4
	Secondary Road	km	1.8	120.8
	Long-distance railway	km	0.2	54.6
Facilities	Construction for mining extraction	ha	0.0	4.1

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	25/06/2018

Data Sources

Pre-event image: Sentinel 2A (2017), (acquired on 06/07/2017 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: COSMO-SkyMed ASI (2018), distributed by e-GEOS S.p.A. (acquired on 10/05/2018 at 04:32 UTC, GSD 5.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
 COSMO-SkyMed ASI (2018), distributed by e-GEOS S.p.A. (acquired on 13/05/2018 at 16:39 UTC, GSD 5.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

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 © EURC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghs-ghs-pop_gpw4_globe_2015a
 Digital Elevation Model: EU-DEM (25 m)

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 (ODD).

For the latest version of this map and related products visit
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jrc-ems-rapidmapping@ec.europa.eu
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