

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 35N map coordinate system
Tick marks: WGS 84 geographical coordinate system

-|- -|- International Boundary

 Coastline
 River
 Stream
 Lake
 Land Subject to Inundation
 Open Water
 River

The map shows the five study areas (01-05) in Finland. Area 01 is in the north, near the Arctic Circle. Area 02 is in the north-central region. Area 03 is in the central region, near the Gulf of Bothnia. Area 04 is in the south-central region. Area 05 is in the south, near the Gulf of Finland. The map also shows the location of the study area in the Baltic Sea region, near the Gulf of Bothnia, and the location of the study area in the Baltic Sea region, near the Gulf of Bothnia.



The present map shows the flood delineation Tornio Central (Finland). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Pre-event image: Sentinel 2A/B (2017) (acquired on 13/06/2017 at 10:10 UTC, GSD 10 m, approx. 0% cloud coverage in Aol, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: RADARSAT 2 data and products © MacDonald, Dettwiler and Associates Ltd. (year of acquisition) (acquired on 17/05/2018 at 05:18 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 and Sentinel-1A/B (2018) (acquired on 17/05/2018 at 15:49 UTC, GSD 10 m) 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, © 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.
Digital Elevation Model: EU-DEM (25 m)

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimizing the available data and information. All geographic information, limitations, and scale, processing and interpretation of the original sources. The map and the information content are derived from satellite data without in situ validation. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union. 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 GAF AG released by e-GEOS (ODO).

For the latest version of this map and related products visit
<http://emergency.copernicus.eu/EMSR284>

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Relevant date records			
Event	17/05/2018	Situation as of	17/05/2018
Activation	15/05/2018	Map production	17/05/2018

