

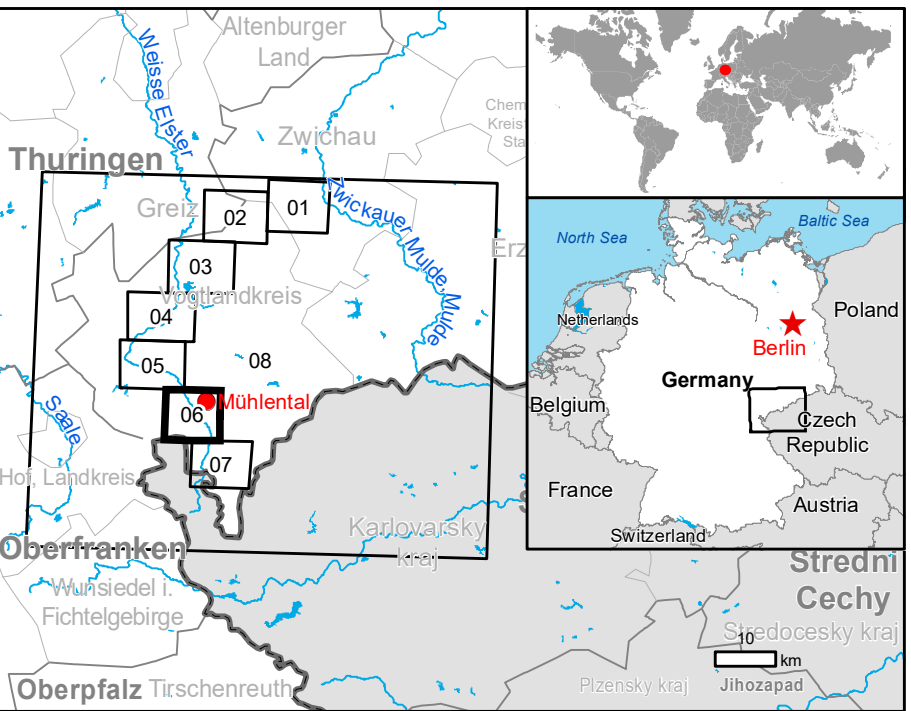


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Mühltal - GERMANY

Flood - Situation as of 26/05/2018

Delineation Map



Cartographic Information

1:16000 Full color ISO A1, medium resolution (200 dpi)



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

Legend

- Crisis Information**
 - Flooded Area (26/05/2018 10:13 UTC)
- General Information**
 - Area of Interest
 - Not Analysed
 - Placename
- Administrative boundaries**
 - International Boundary
 - Municipality
- Built-Up Area**
 - Residential
 - Multi-functional
- Hydrography**
 - River
 - Stream
 - Lake
 - Reservoir
- Transportation**
 - Primary Road
 - Secondary Road
 - Local Road
 - Long-distance railway

Consequences within the AOI			
		Unit of measurement	Total in AOI
Flooded area		ha	4.4
Estimated population		Number of inhabitants	0
Settlements	Residential	ha	370.9
	Multi-functional	ha	41.8
Transportation	Primary Road	km	11.1
	Secondary Road	km	15.1
	Local Road	km	97.2
	Long-distance railway	km	30.8

Map Information

Hours of heavy rain and thunderstorms led to massive flash floods between the 24th and 25th May 2018 in the Vogtland region of Saxony in Germany. Damages and traffic obstructions have been reported. Areas around the White Elster river were particularly affected and the Pirik barrage had to let of around 150 cubic meters per second which caused floods downstream. Damage evaluation is of prime importance for the Saxon State Ministry of Environment and Agriculture.

The present map shows the flood delineation in the area of Mühltal (Germany). 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.

Relevant date records			
Event	24/05/2018	Situation as of	26/05/2018
Activation	25/05/2018	Map production	27/05/2018

Data Sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 21/03/2014, GSD 0.6 m, approx. 0% cloud coverage in AOI).
Post-event image: SPOT6/7 & Airbus DS (2018), (acquired on 26/05/2018 at 10:13 UTC, GSD 1.5 m, approx. 34% cloud coverage in AOI, 33.3° off-nadir angle), 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-pop_gp4_globe_2015a.
Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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Map produced by SERTIT released by SERTIT (ODD).

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