

Situation as of 18/09/2024 16:35 UTC
Delineation MONIT01 - Overview map 01



Flooded area
233.9 ha

Potentially affected population
~ 50

Potentially Affected Built-up and Transportations

Road
1.8 km

Built-Up
4.2 ha

Estimated flood depth (m)	Facilities
Below 0.50	Long-distance pipelines or lines
0.50 - 1.00	Local pipelines or lines
1.00 - 2.00	Dam
2.00 - 4.00	Mining or extraction site
Crisis Information	Water Well
Maximum Flood Extent	Power plant
General Information	Sport and recreation constructions
Area of Interest	Dump Site
Detail map	Water or Aquatic infrastructure
Administrative Boundaries	Dam
Province	Transportation
Placenames	Highway
Placename	Main road
Built-Up Area	Local road
Residential	Track
Non residential	Railway
School, university and research buildings	Tramway
Hospital or institutional care buildings	Airfield runway
Hydrography	Transportation
Lake, River	Airfield
	Helipad

Event: Due to heavy rainfall in Middle and Eastern Europe, flooding is forecast to affect Polish regions close to the Czechia Border. Flooding is expected from 14 September 2024 onwards. Copernicus EMS Rapid Mapping is requested to provide flood extent emergency mapping and monitoring.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 24/08/2024 at 09:45 UTC, resolution 10.0 m). This image is used as background image.

Post-event image: Sentinel-1A/B (2024) (acquired on 18/09/2024 at 16:35 UTC, resolution 20 m).

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The maximum flood extent corresponds to the flood observed in all previous products (cumulative analysis). The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

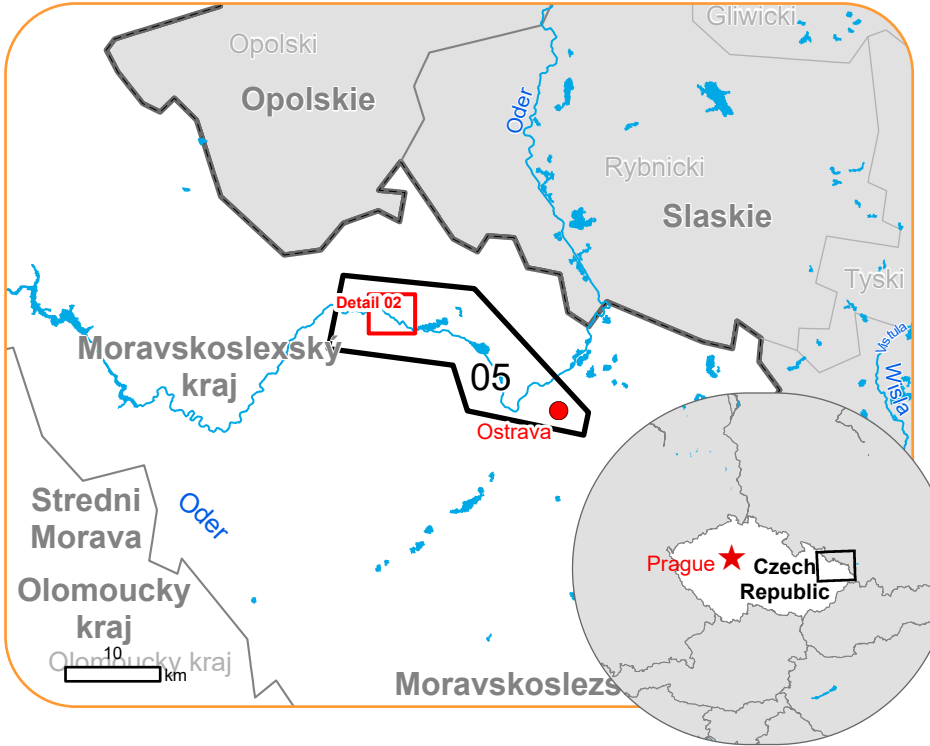
Map produced by GMV released by SERTIT on the 19/09/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR756>





Situation as of 18/09/2024 16:35 UTC
Delineation MONIT01 - Detail map 02



- Estimated flood depth (m)**

 - Below 0.50
 - 0.50 - 1.00

Crisis Information

 - Maximum Flood Extent

General Information

 - Area of Interest

Placenames

 - Placename

Built-Up Area

 - Residential
 - Non residential
 - School, university and research buildings

Hydrography

 - Lake, River
- Facilities**

 - Long-distance pipelines or lines
 - Local pipelines or lines
 - Dam
 - Power plant
 - Sport and recreation constructions
 - Water or Aquatic infrastructure

Transportation

 - Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Airfield runway
 - Airfield

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PROGRAMME OF THE
EUROPEAN UNION



Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		233.9
Maximum flood extent**		ha		1,540.5
Estimated population		Number of inhabitants	~ 50	~ 160,000
Built-up	Residential Buildings	ha	0.1	2,007.4
	Office buildings	ha	0	16.3
	Wholesale and retail trade buildings	ha	0	12.3
	Industrial buildings	ha	0	502.9
	School, university and research buildings	ha	0	43.7
	Sports halls	ha	4.1	29.0
	Hospital or institutional care buildings	ha	0	7.0
	Cemetery	ha	0	18.5
Transportation	Airfield runways	ha	0	50.2
	Helipad	ha	0	0.01
	Airfield runways	km	0	4.4
	Highways	km	0	50.2
	Primary Road	km	0	60.6
	Secondary Road	km	0.03	72.2
	Local Road	km	0.4	862.8
	Cart Track	km	1.4	329.5
	Railway Yard	km	0	19.7
	Tramway	km	0	51.2
	Long-distance railways	km	0	376.0
Facilities	Settling Basin	ha	0	22.9
	Dams	ha	0	0.3
	Constructions for mining or extraction	ha	0	11.4
	Power plant constructions	ha	0	39.3
	Sport and recreation constructions	ha	1.8	283.7
	Other civil engineering works not elsewhere classified	ha	0	145.9
	Long-distance pipelines, communication and electricity lines	km	0.6	109.7
	Local pipelines and cables	km	2.2	173.8
	Dams	km	0	0.7
Land use	Arable land	ha	115.5	9,555.5
	Pastures	ha	51.4	510.7
	Heterogeneous agricultural areas	ha	46.7	2,031.4
	Other	ha	16.8	6,105.4
	Inland wetlands	ha	3.4	55.7
	Shrub and/or herbaceous vegetation association	ha	0.04	663.5
	Permanent crops	ha	0	40.6
	Forests	ha	0	3,074.9

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water
** Corresponds to the water observed in all previous products and in all crisis imagery, excluding permanent water (cumulative analysis).

Disclaimer:
Full disclaimer and other helpful information available in the online manual:
<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>
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Data Access:
All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Estimated Population:
Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:
Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.
Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.
Digital Elevation Model: FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30 Digital Elevation Model (DEM) (Airbus,2020).

