



Situation as of 16/09/2024 05:00 UTC
Delineation - Overview map 01



Flooded area
1,513.0 ha

Potentially affected
population
~ 500

Potentially Affected Built-up and Transportations

Road
34.2 km

Railway
0.9 km

Built-Up
22.2 ha

Estimated flood depth
(m)

- Below 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 4.00
- 4.00 - 6.00

General Information

Area of Interest

Detail map

Administrative
Boundaries

Province

Placenames

Placename

Built-Up Area

Residential

Non residential

School, university
and research
buildings

Hospital or
institutional care
buildings

Hydrography

Lake, River

Facilities

Long-distance
pipelines or lines

Local pipelines or
lines

Dam

Mining or extraction
site

Water Well

Power plant

Sport and
recreation
constructions

Dump Site

Water or Aquatic
infrastructure

Dam

Transportation

Highway

Main road

Local road

Track

Railway

Tramway

Airfield runway

Transportation

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: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2024 (acquired on 16/09/2024 at 05:00 UTC, resolution 3.0 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 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 17/09/2024.

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

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Copernicus
Europe's eyes on Earth



EMSR756 - AOI05
Flood in Czechia
OSTRAVA

Situation as of 16/09/2024 05:00 UTC

Delineation - Detail map 02



Estimated flood depth (m)
Below 0.50
0.50 - 1.00
1.00 - 2.00

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

Transportation
Airfield

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		1,513.0
Estimated population	Number of inhabitants		~ 500	~ 160,000
Built-up	Residential Buildings	ha	5.6	2,007.4
	Office buildings	ha	0	16.3
	Wholesale and retail trade buildings	ha	0	12.3
	Industrial buildings	ha	1.8	502.9
	School, university and research buildings	ha	0	43.7
	Sports halls	ha	14.8	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	0.5	50.2
	Primary Road	km	1.8	60.6
	Secondary Road	km	0.4	72.2
	Local Road	km	7.5	862.8
	Cart Track	km	24.0	329.5
	Railway Yard	km	0	19.7
	Tramway	km	0	51.2
Facilities	Long-distance railways	km	0.9	376.0
	Settling Basin	ha	0.02	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	10.4	283.7
	Other civil engineering works not elsewhere classified	ha	0	145.9
	Long-distance pipelines, communication and electricity lines	km	10.5	109.7
	Local pipelines and cables	km	14.7	173.8
	Dams	km	0.02	0.7
Land use	Arable land	ha	901.4	9,555.5
	Pastures	ha	265.2	510.7
	Heterogeneous agricultural areas	ha	241.6	2,031.4
	Other	ha	67.1	6,105.4
	Inland wetlands	ha	18.0	55.7
	Shrub and/or herbaceous vegetation association	ha	13.1	663.5
	Forests	ha	6.5	3,074.9
	Permanent crops	ha	0	40.6

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).

Access to the portal



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