



EMSR756 - AOI04
Flood in Poland
RACIBORZ

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



Flooded area
2,356.5 ha



Potentially affected
population
~ 550

Potentially Affected Built-up and Transportations



Built-up
23.1 ha



Road
38.1 km

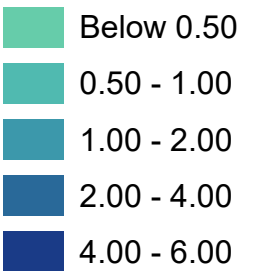


Railway
0.2 km



Water infrastructure
11.3 ha
0.2 km

Estimated flood depth (m)



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

General Information

Area of Interest

Detail map

Administrative Boundaries

- International Boundary
- Region
- Province
- Municipality

Placenames

Placename

Built-Up Area

- Residential
- Non residential
- School, university and research buildings
- Hospital or institutional care buildings

Transportation

- Highway
- Main road
- Local road
- Railway
- Airfield runway
- 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). Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2021 (acquired on 16/09/2024 at 05:00 UTC, resolution 3.0 m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

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 ITHACA released by SERTIT on the 16/09/2024.

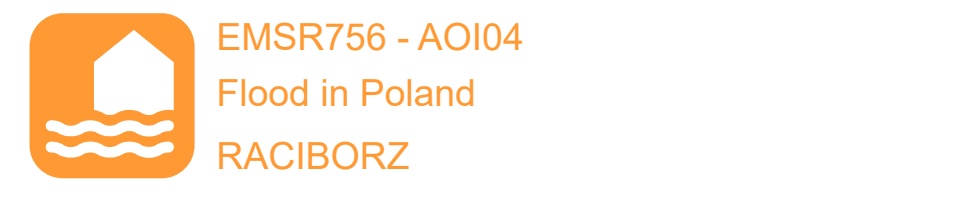
Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR756>



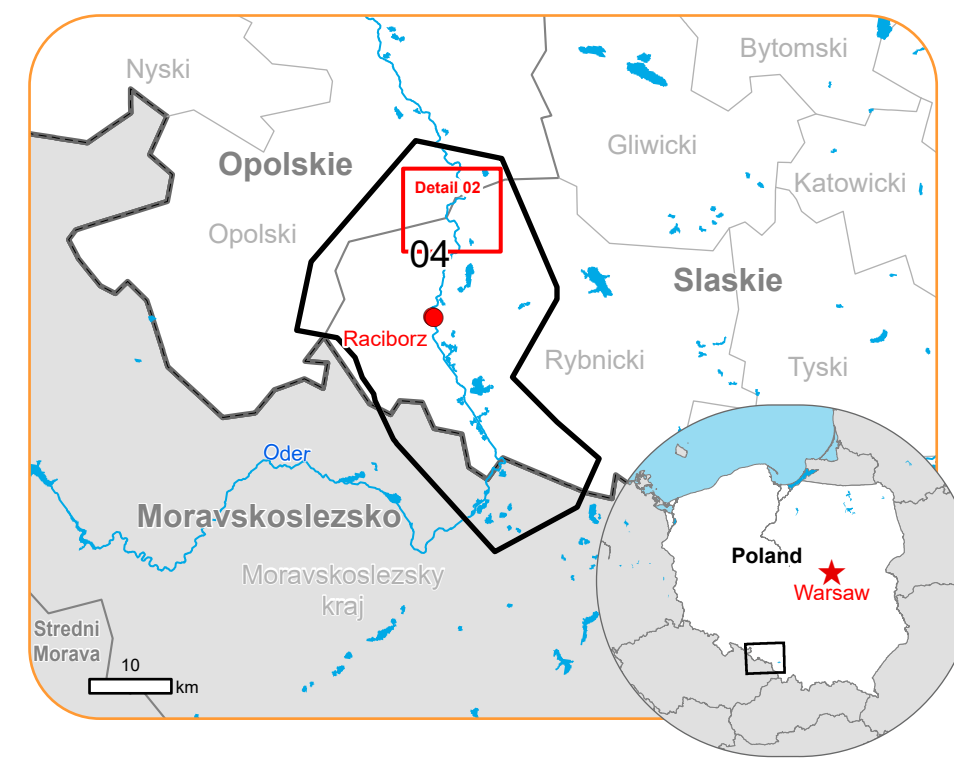
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Situation as of 16/09/2024 05:00 UTC
Delineation - Detail map 02



- Estimated flood depth (m)**
- Below 0.50
 - 0.50 - 1.00
 - 1.00 - 2.00
 - 2.00 - 4.00
 - 4.00 - 6.00
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Local pipelines or lines
 - Dam
 - Mining or extraction site
 - Sport and recreation constructions
 - Water or Aquatic infrastructure
- General Information**
- Area of Interest
- Administrative Boundaries**
- Region
 - Municipality
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
- Transportation**
- Main road
 - Local road
 - Track
 - Railway
 - Airfield runway

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		2,356.5
Estimated population	Number of inhabitants		~ 500	~ 230,000
Built-up	Residential Buildings	ha	22.6	9,765.7
	Office buildings	ha	0	45.8
	Wholesale and retail trade buildings	ha	0	55.0
	Industrial buildings	ha	0.5	949.3
	Museums and libraries	ha	0	76.1
	School, university and research buildings	ha	0	44.2
	Sports halls	ha	0	238.4
	Hospital or institutional care buildings	ha	0	23.9
	Cemetery	ha	0	39.5
Transportation	Helipad	ha	0	0.1
	Airfield runways	km	0	1.7
	Highways	km	0.02	44.7
	Primary Road	km	0.1	142.1
	Secondary Road	km	0.1	220.1
	Local Road	km	8.8	2,286.5
	Cart Track	km	29.1	1,964.6
	Railway Yard	km	0	0.2
	Long-distance railways	km	0.2	573.1
Facilities	Settling Basin	ha	0.01	28.4
	Dams	ha	11.3	180.1
	Constructions for mining or extraction	ha	61.7	1,613.2
	Power plant constructions	ha	0	81.2
	Sport and recreation constructions	ha	1.9	598.3
	Other civil engineering works not elsewhere classified	ha	0	234.7
	Long-distance pipelines, communication and electricity lines	km	4.5	216.5
	Local pipelines and cables	km	8.4	708.1
	Dams	km	0.2	0.6
Land use	Arable land	ha	1,384.7	55,601.0
	Pastures	ha	637.7	3,822.7
	Other	ha	221.1	17,242.1
	Heterogeneous agricultural areas	ha	90.7	7,337.2
	Forests	ha	16.1	14,689.0
	Shrub and/or herbaceous vegetation association	ha	5.9	1,894.7
	Inland wetlands	ha	0.3	158.6
	Permanent crops	ha	0	26.1

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.

Access to 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).



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