



EMSR756 - AOI02
Flood in Poland
JELENIA GÓRA

Situation as of 16/09/2024 16:52 UTC
Delineation MONIT01 - Overview map 01



Flooded Area
329.7 ha



Potentially affected
population
~ 70

Potentially Affected Built-up and Transportations



Built-up
1.2 ha



Road
4.1 km

Estimated flood depth (m)

- Below 0.50
- 0.50 - 1.00
- 1.00 - 2.00

Crisis Information

- Maximum Flood Extent

General Information

- Area of Interest
- Image Footprint
- Not Analysed

Administrative Boundaries

- Province
- Municipality

Placenames

- Placename

Built-Up Area

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

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
- Highway
- Main road
- Local road
- Track
- Railway
- Airfield runway
- 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 06/09/2024 at 10:06 UTC, resolution 10.0 m). This image is used as background image. Post-event image: Sentinel-1A/B (2024) (acquired on 16/09/2024 at 16:52 UTC, resolution 20.0 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 GAF AG 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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0 0.75 1.5 3 km
WGS 1984 UTM Zone 33N 1:60,000

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area*	ha		329.7
Maximum flood extent**	ha		371.1
Estimated population	Number of inhabitants	~ 70	~ 130,000
Built-up	Residential Buildings	ha	0.02
	Office buildings	ha	0
	Wholesale and retail trade buildings	ha	0
	Industrial buildings	ha	1.2
	School, university and research buildings	ha	0
	Hospital or institutional care buildings	ha	0
	Military	ha	0
	Cemetery	ha	0
Transportation	Airfield runways	ha	0
	Helipad	ha	0
	Airfield runways	km	0
	Highways	km	0.1
	Primary Road	km	0.1
	Secondary Road	km	0
	Local Road	km	0.4
	Cart Track	km	3.5
	Railway Yard	km	0
Facilities	Long-distance railways	km	0
	Settling Basin	ha	0
	Dams	ha	0.9
	Constructions for mining or extraction	ha	5.5
	Power plant constructions	ha	0
	Sport and recreation constructions	ha	0
	Other civil engineering works not elsewhere classified	ha	0
	Long-distance pipelines, communication and electricity lines	km	0.8
Land use	Local pipelines and cables	km	4.8
	Dams	km	0
	Pastures	ha	166.7
	Arable land	ha	97.9
	Heterogeneous agricultural areas	ha	25.9
	Shrub and/or herbaceous vegetation association	ha	17.2
	Other	ha	14.2
	Forests	ha	7.7

* 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.

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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