



EMSR756 - AOI08
Flood in South West Poland
GLOGOW

Situation as of 21/09/2024 10:00 UTC
Delineation MONIT01 - Overview map 01



Flooded area
3,656.1 ha



Potentially affected
population
~ 250

Potentially Affected Built-up and Transportations

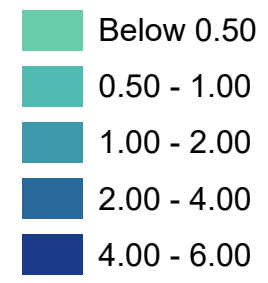


Built-Up
34.8 ha



Road
98.7 km

Estimated flood depth (m)



Crisis Information

Maximum Flood Extent

General Information

Area of Interest

Administrative Boundaries

-- Region
--- Province
.... Municipality

Placenames

Placename

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

Transportation

Highway

Main road

Local road

Track

Railway

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 04/09/2024 at 10:05 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2024) (acquired on 21/09/2024 at 10:00 UTC, resolution 10.0 m).

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The thematic layer has been derived from post-event satellite image by meaning of semiautomatic approach

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 Planetek Hellas released by e-GEOS on the 22/09/2024.

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



Consequences within the AOI				
	Unit of measurement	Affected	Total in AOI	
Flooded area*	ha		3,656.1	
Maximum flood extent**	ha		4,200.7	
Estimated population	Number of inhabitants	~ 250	~ 140,000	
Built-up	Residential Buildings	ha	9.1	3,187.8
	Office buildings	ha	0.01	75.6
	Wholesale and retail trade buildings	ha	0	25.2
	Industrial buildings	ha	12.1	837.7
	Museums and libraries	ha	6.2	88.9
	School, university and research buildings	ha	0	56.2
	Sports halls	ha	7.3	130.7
	Hospital or institutional care buildings	ha	0	7.8
	Military	ha	0.00	40.2
	Cemetery	ha	0	37.3
Transportation	Airfield runways	ha	0	16.5
	Helipad	ha	0	0.2
	Airfield runways	km	0	1.6
	Highways	km	0	16.7
	Primary Road	km	0	71.9
	Secondary Road	km	0.3	126.6
	Local Road	km	2.9	1,030.0
	Cart Track	km	95.5	1,854.0
	Long-distance railways	km	0.02	306.5
Facilities	Settling Basin	ha	0	16.4
	Constructions for mining or extraction	ha	0	4.3
	Power plant constructions	ha	0	23.1
	Sport and recreation constructions	ha	0	198.9
	Other civil engineering works not elsewhere classified	ha	0	23.9
	Long-distance pipelines, communication and electricity lines	km	4.1	151.2
	Local pipelines and cables	km	0.5	15.8
	Dams	km	0	0.05
Land use	Pastures	ha	2,427.0	7,745.7
	Forests	ha	482.1	19,717.3
	Arable land	ha	414.1	34,944.1
	Heterogeneous agricultural areas	ha	174.1	1,850.6
	Other	ha	158.2	7,042.9
	Shrub and/or herbaceous vegetation association	ha	0.5	757.4

* 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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