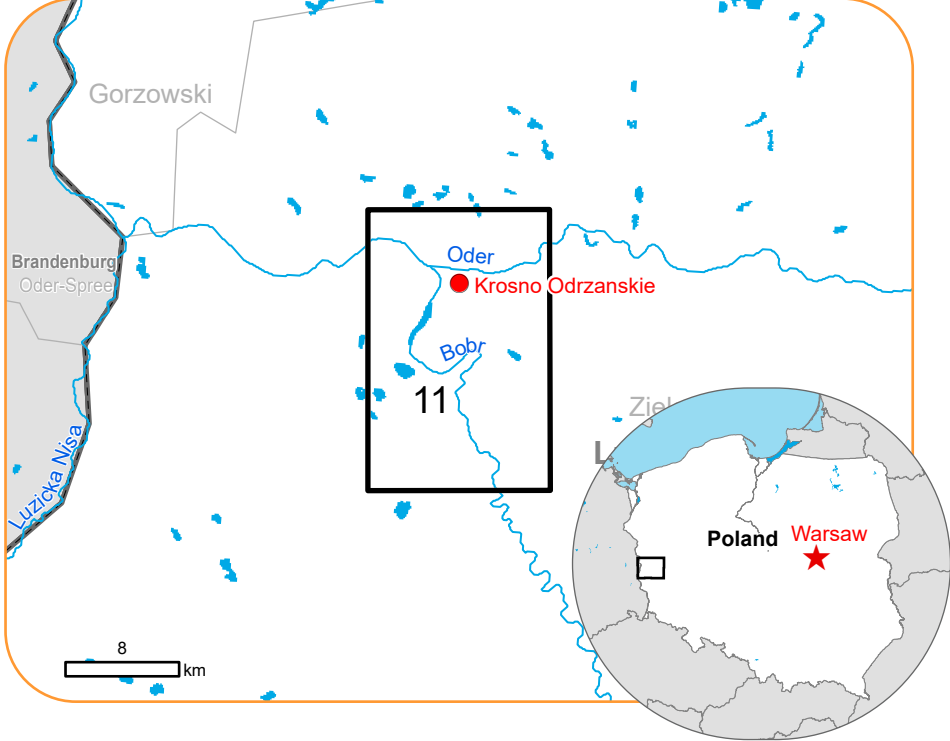


EMSR756 - AOI11
Flood in Poland
KROSNO ODRZAŃSKIE

Situation as of 18/09/2024 16:44 UTC
Delineation - Overview map 01



Flooded area 144.6 ha
Potentially affected population ~ 10

Potentially Affected Built-up and Transportations

Built-Up 0.02 ha
Road 5.4 km

Estimated flood depth (m)	Built-Up Area
Below 0.50	Residential
0.50 - 1.00	Non residential
1.00 - 2.00	
2.00 - 4.00	Hydrography
4.00 - 6.00	Lake, River
	Mining or extraction site
General Information	Power plant
Area of Interest	Sport and recreation constructions
Not Analysed	Water or Aquatic infrastructure
Administrative Boundaries	Transportation
Municipality	Helipad

Full data available in the vector package

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 09:55 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 18/09/2024 at 16:44 UTC, resolution 3 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 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>

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		144.6
Estimated population	Number of inhabitants		~ 10	~ 19,000
Built-up	Residential Buildings	ha	0.02	665.7
	Industrial buildings	ha	0	62.6
	Non-residential farm buildings	ha	0	31.8
	Military	ha	0	33.6
	Cemetery	ha	0	2.8
Transportation	Helipad	ha	0	0.01
	Bridges and elevated highways	km	0.03	1.7
	Primary Road	km	0	28.4
	Secondary Road	km	0	30.8
	Local Road	km	0.1	213.5
	Cart Track	km	5.3	699.8
	Long-distance railways	km	0	24.8
Facilities	Settling Basin	ha	0	1.3
	Constructions for mining or extraction	ha	5.1	82.1
	Power plant constructions	ha	0	5.3
	Sport and recreation constructions	ha	1.0	32.8
	Long-distance pipelines, communication and electricity lines	km	0.1	48.7
	Local pipelines and cables	km	0.1	17.5
	Breakwater	km	0	0.04
	Dams	km	0	1.0
Land use	Arable land	ha	49.1	5,493.1
	Heterogeneous agricultural areas	ha	43.2	1,226.7
	Pastures	ha	23.7	2,756.2
	Forests	ha	17.9	13,870.6
	Other	ha	10.7	1,721.9
	Shrub and/or herbaceous vegetation association	ha	0	306.5

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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