

Situation as of 21/09/2024 10:51 UTC
Delineation MONIT01 - Overview map 01



 Flooded area
2,185.8 ha


















 Potentially affected
population
~ 8100

Potentially Affected Built-up and Transportations

 Built-Up
250.4 ha

 Road
143.6 km

 Railway
9.4 km

Estimated flood depth (m)	Administrative Boundaries
 Below 0.50	 Region
 0.50 - 1.00	 Province
 1.00 - 2.00	 Municipality
 2.00 - 4.00	Placenames
 4.00 - 6.00	 Placename
Crisis Information	Hydrography
 Maximum Flood Extent	 Lake, River
 Flood trace	Transportation
General Information	 Highway
 Area of Interest	 Airfield
 Detail map	 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 10:03 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2024) (acquired on 21/09/2024 at 10:51 UTC, resolution 10.0 m).
This image is used as background image.
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The thematic layer has been derived from post-event satellite image using a semi-automatic 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.

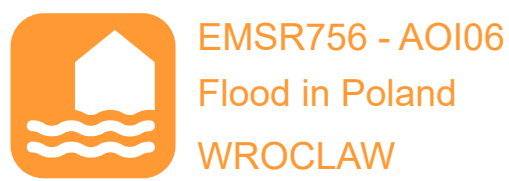
Map produced by IABG released by e-GEOS on the 22/09/2024.

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



PROGRAMME OF THE
EUROPEAN UNION





Situation as of 21/09/2024 10:51 UTC
Delineation MONIT01 - 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

Crisis Information

 - Maximum Flood Extent
 - Flood trace

General Information

 - Area of Interest
- Administrative Boundaries**

 - Province
 - Municipality

Placenames

 - Placename

Hydrography

 - Lake, River

Transportation

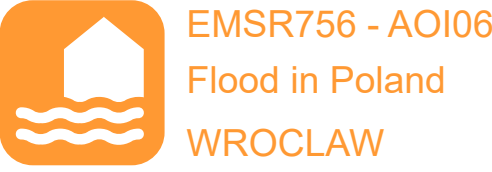
 - Highway
 - Helipad

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Situation as of 21/09/2024 10:51 UTC
Delineation MONIT01 - Detail map 03



Estimated flood depth (m)

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

Crisis Information

- Maximum Flood Extent
- Flood trace

General Information

- Area of Interest
- Province
- Municipality
- Placenames
- Placename
- Hydrography
- Lake, River

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.

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Map produced by IABG released by e-GEOS on the 22/09/2024.

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EMSR756 - AOI06
Flood in Poland
WROCLAW

Situation as of 21/09/2024 10:51 UTC
Delineation MONIT01 - Detail map 04



Crisis Information

- Maximum Flood Extent
- Flood trace

General Information

- Area of Interest

Administrative Boundaries

- Province
- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Transportation

- Highway

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.

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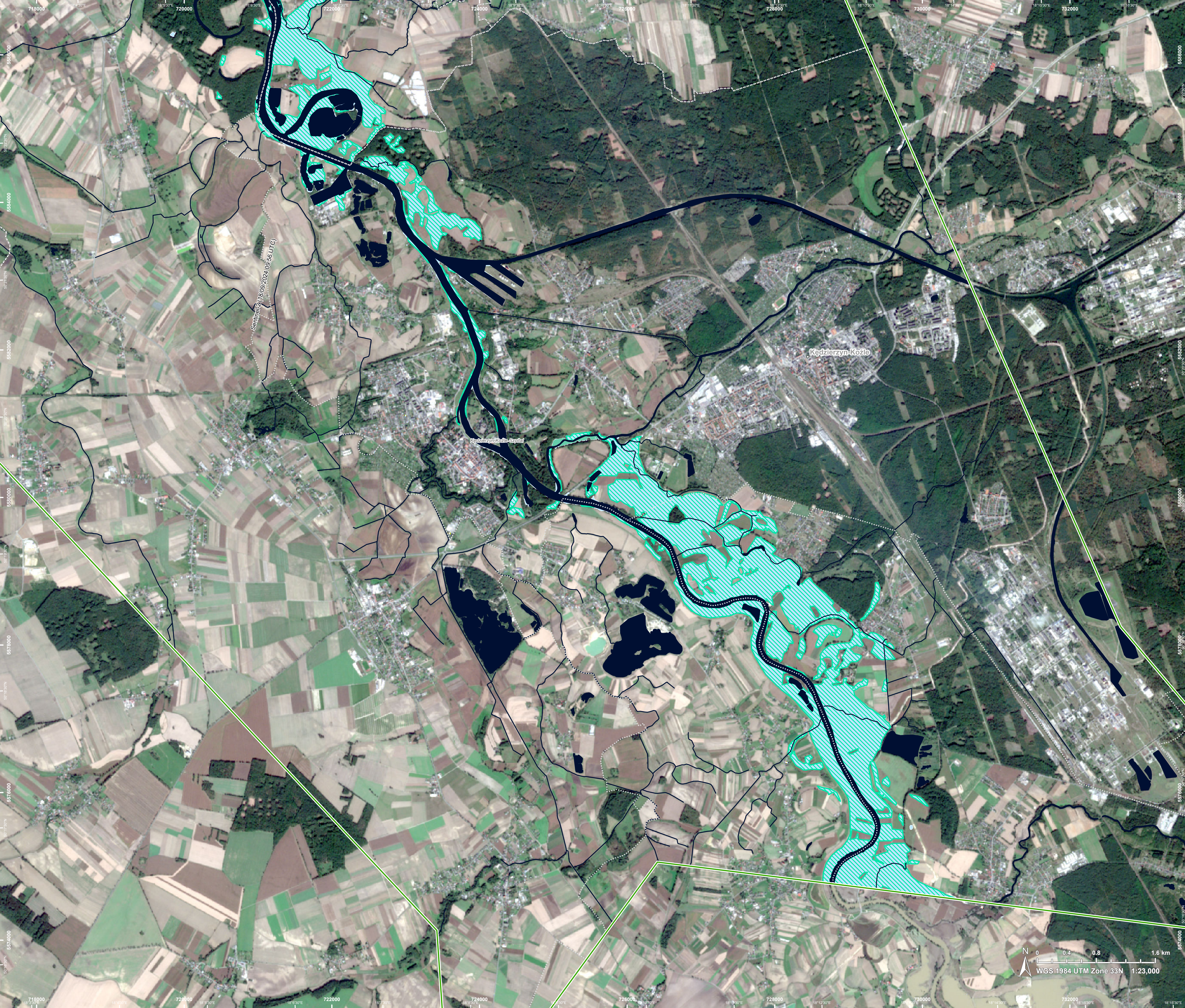
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Situation as of 21/09/2024 10:51 UTC
Delineation MONIT01 - Detail map 05



Estimated flood depth (m)

Below 0.50

Crisis Information

Maximum Flood Extent

Flood trace

General Information

Area of Interest

Administrative Boundaries

Province

Municipality

Placenames

Placename

Hydrography

Lake, River

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.

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flood trace		ha		17,027.9
Flooded area*		ha		2,185.8
Maximum flood extent**		ha		20,160.9
Estimated population		Number of inhabitants	~ 8,100	1.100 Mio.
Built-up	Residential Buildings	ha	194.9	20,058.1
	Industrial buildings	ha	55.5	4,599.0
Transportation	Airfield runways	ha	0	16.7
	Helipad	ha	0	0.4
	Airfield runways	km	0	4.6
	Highways	km	5.7	137.3
	Primary Road	km	9.7	445.0
	Secondary Road	km	18.4	481.1
	Local Road	km	109.9	6,537.7
	Railway Yard	km	0	16.1
	Long-distance railways	km	9.4	1,720.9
Facilities	Settling Basin	ha	11.3	136.7
	Breakwater	ha	0	0.00
	Dams	ha	0.02	0.2
	Constructions for mining or extraction	ha	8.9	843.6
	Power plant constructions	ha	2.4	215.5
	Sport and recreation constructions	ha	14.1	1,655.8
	Other civil engineering works not elsewhere classified	ha	0	159.5
	Long-distance pipelines, communication and electricity lines	km	55.1	919.6
	Local pipelines and cables	km	12.3	476.1
	Breakwater	km	0	0.1
	Dams	km	0.2	3.3
Land use	Arable land	ha	10,453.5	117,743.9
	Pastures	ha	4,386.4	18,302.3
	Forests	ha	2,482.9	42,011.1
	Other	ha	1,185.6	46,022.3
	Heterogeneous agricultural areas	ha	617.3	6,148.5
	Shrub and/or herbaceous vegetation association	ha	62.7	2,808.5
	Inland wetlands	ha	24.6	25.3
	Permanent crops	ha	0.8	188.6

* 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.
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30 Digital Elevation Model (DEM) (Airbus,2020).



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