



EMSR728 - AOI03
Flood in Germany
REGENSBURG

Situation as of 06/06/2024 10:06 UTC
Delineation MONIT04 - Overview map 01



Flooded area 3463.0 ha
Flood trace 641.6 ha



Potentially affected
population ~ 4,400

Potentially Affected Built-up and Transportations



Built-up
46.7 ha

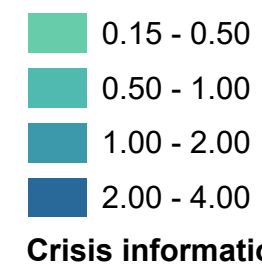


Road
286.8 km



Railway
5.3 km

Estimated water depth (m)



Military

Hydrography

River

Stream

Lake

River

Crisis information

Maximum Water Extent

Flood trace

General Information

Area of Interest

Detail map

Not Analysed

Administrative Boundaries

Province

Municipality

Placenames

Placename

Built-Up Area

Residential

Non residential

School, university and
research buildings

Hospital or institutional
care buildings

Long-distance pipelines
or lines

Water or Aquatic
infrastructure

Dam

Transportation

Highway

Main road

Railway

Airfield runway

Navigable canal

Transportation

Airfield

Helipad

Harbour

Water or Aquatic
infrastructure

Full table available in the vector package

Event: Starting in the early morning of 31st May 2024, continuous rain (about 50 to 150 l/m² in 48 hours) is expected in wide areas of Southern and Eastern Germany (potentially affected states: Bavaria, Baden-Wuerttemberg, Hesse, Saxony, Saxony-Anhalt, Thuringia). Although uncertainties of the forecast still have to be considered, competent authorities expect flooding of different severities in wide areas. Following formal flash flood EFAS notifications, Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and damage assessment emergency mapping for some potentially affected regions.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 27/04/2024 at 10:17 UTC, resolution 10.0 m). This image is used as background image.

Post-event image: Sentinel-2A/B (2024) (acquired 06/06/2024 10:06 UTC, resolution 10.0 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 by means of visual interpretation.

The water extent and water 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.

Water depth values are not calculated outside the observed event areas.

Map produced by GAF AG released by e-GEOS on the 07/06/2024.

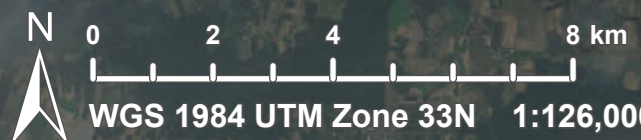
Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR728>

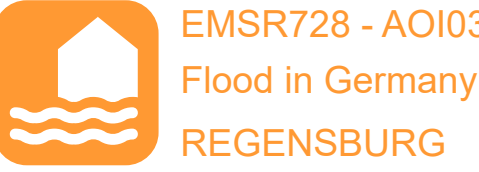


PROGRAMME OF THE
EUROPEAN UNION

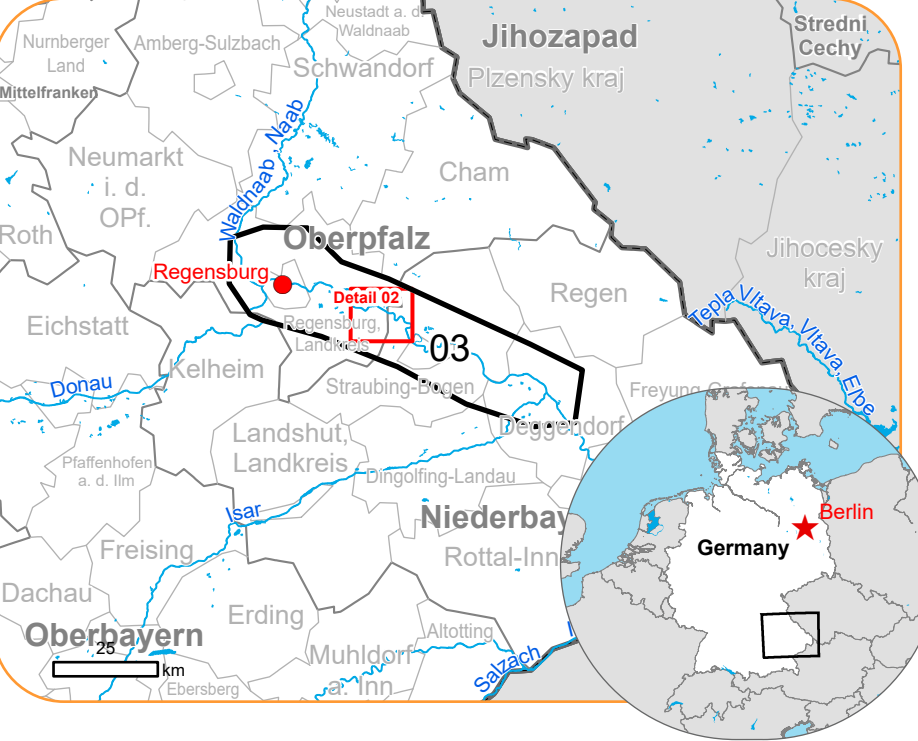


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Europe's eyes on Earth





Situation as of 06/06/2024 10:06 UTC
Delineation MONIT04 - Detail map 02



Estimated water depth (m)	River
0.15 - 0.50	
Crisis information	Facilities
Maximum Water Extent	Long-distance pipelines or lines
Flood trace	Dam
General Information	Mining or extraction site
Area of Interest	Power plant
Not Analysed	Sport and recreation constructions
Administrative Boundaries	Dump Site
Province	Water or Aquatic infrastructure
Municipality	Transportation
Built-Up Area	Highway
Residential	Main road
Non residential	Airfield runway
School, university and research buildings	Navigable canal
Hospital or institutional care buildings	Transportation
Hydrography	Airfield
River	Helipad
Stream	Water or Aquatic infrastructure
Lake	

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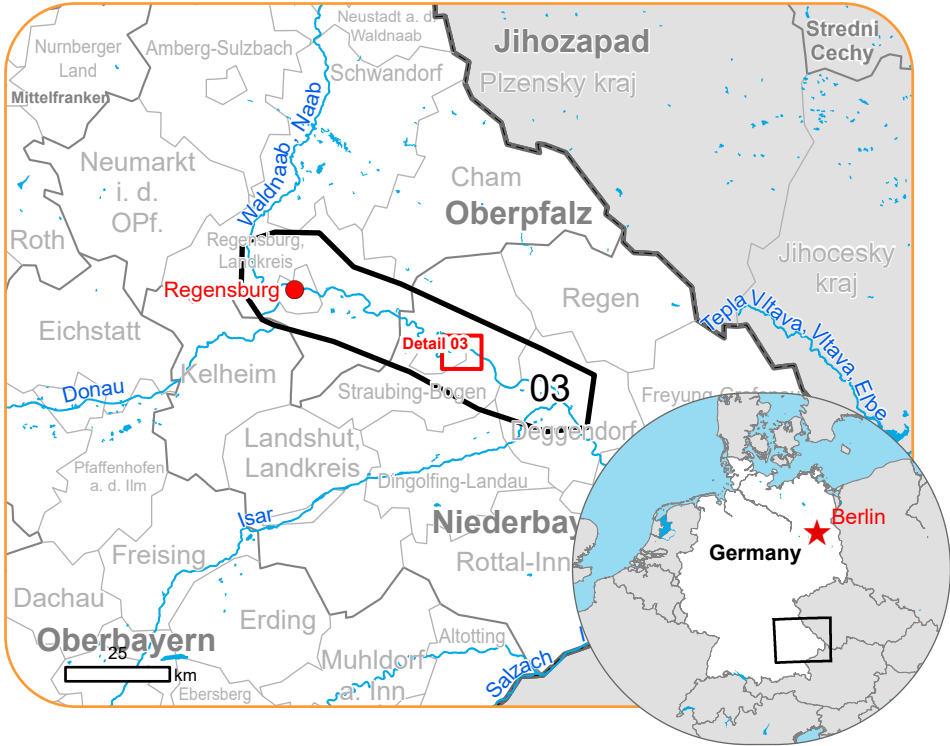
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Situation as of 06/06/2024 10:06 UTC
Delineation MONIT04 - Detail map 03



- Estimated water depth (m)**
- 0.15 - 0.50
 - 0.50 - 1.00
 - 1.00 - 2.00
- Crisis information**
- Maximum Water Extent
 - Flood trace
- General Information**
- Area of Interest
 - Not Analysed
- Administrative Boundaries**
- Province
 - Municipality
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
 - Military
- Hydrography**
- River
- Facilities**
- Long-distance pipelines or lines
 - Water or Aquatic infrastructure
 - Dam
 - Mining or extraction site
 - Water Well
 - Power plant
 - Sport and recreation constructions
 - Water or Aquatic infrastructure
- Transportation**
- Highway
 - Main road
 - Railway
 - Transportation
 - Helipad

Full table available in the vector package

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Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flood trace		ha		641.6
Flooded area*		ha		3,463.0
Water Extent**		ha		8,160.7
Maximum Water Extent***		ha		8,687.9
Permanent Water		ha		4,695.7
Estimated population	Number of inhabitants		~ 4,400	~ 470,000
Built-up	Residential Buildings	ha	22.3	5,014.0
	Office buildings	ha	3.4	483.3
	Wholesale and retail trade buildings	ha	0	28.4
	Industrial buildings	ha	16.1	931.2
	School, university and research buildings	ha	0.4	96.9
	Hospital or institutional care buildings	ha	0	31.0
	Military	ha	4.5	217.3
	Cemetery	ha	0.1	16.1
Transportation	Airfield runways	ha	0	49.9
	Navigable canals	ha	0.6	0.8
	Helipad	ha	0	0.7
	Harbours	ha	1.1	8.4
	Airfield runways	km	0	7.5
	Navigable canals	km	0.6	1.0
	Highways	km	9.8	414.4
	Primary Road	km	4.2	210.2
	Secondary Road	km	8.1	418.4
	Local Road	km	33.1	4,534.8
	Cart Track	km	231.5	7,185.1
	Harbours	km	0.7	2.1
	Long-distance railways	km	5.3	537.7
Facilities	Settling Basin	ha	1.8	46.6
	Breakwater	ha	1.1	1.1
	Dams	ha	0.5	0.8
	Constructions for mining or extraction	ha	139.6	757.2
	Power plant constructions	ha	0.3	263.7
	Sport and recreation constructions	ha	66.0	1,068.2
	Other civil engineering works not elsewhere classified	ha	0.5	32.0
	Long-distance pipelines, communication and electricity lines	km	10.4	347.9
	Breakwater	km	0.1	0.1
	Dams	km	0.7	1.6
Land use	Other	ha	3,912.8	22,428.2
	Arable land	ha	2,335.1	84,875.4
	Pastures	ha	1,983.7	21,851.9
	Forests	ha	469.2	38,898.2
	Heterogeneous agricultural areas	ha	91.3	388.2
	Inland wetlands	ha	6.0	29.3
	Shrub and/or herbaceous vegetation association	ha	1.9	429.8
	Permanent crops	ha	2.4	252.1

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water
** Corresponds to the water observed in the most recent satellite imagery, including permanent water
*** Corresponds to the water observed in all previous products and in the most recent satellite imagery (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.

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: Digital Terrain Model (5m) © GeoBasis-DE / BKG (2024)

