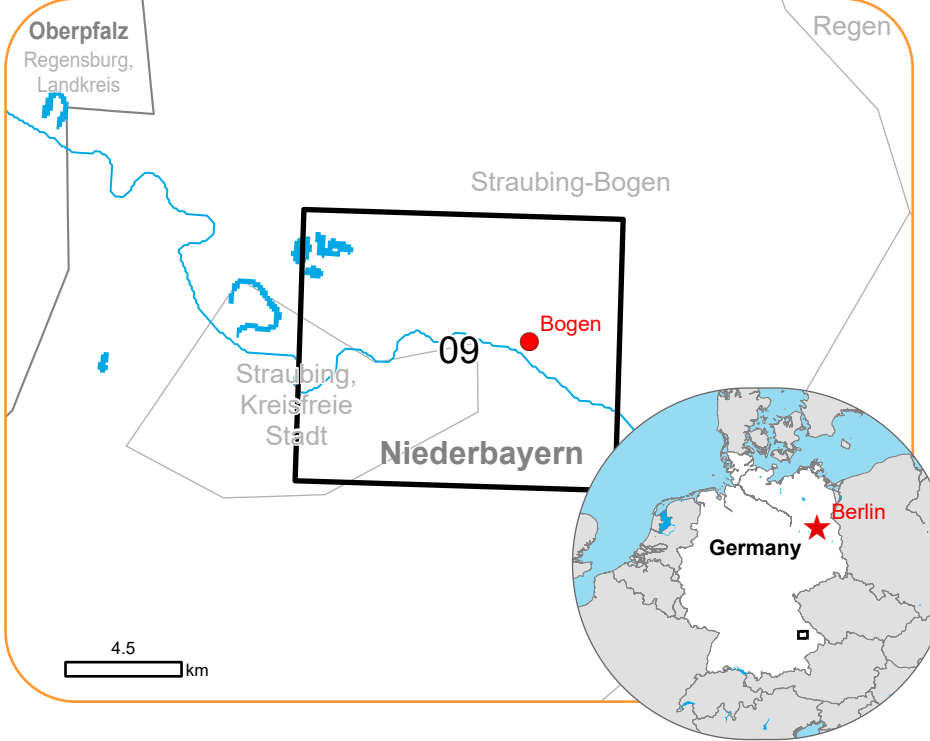


Situation as of 10/06/2024 10:13 UTC
Grading - Overview map 01



Flooded area
263.7 ha

Potentially affected
population
~ 90

Affected Built-up and Transportations

Built-Up
1 No.

Road
26.2 km

Crisis Information	General Information
Flooded Area	Area of Interest
Flood trace	Not Analysed
Built Up Grading	Administrative Boundaries
Possibly damaged	Municipality
Facilities Grading	Placenames
Not Analysed	Placename
Transportation Grading	Hydrography
Road, Possibly damaged	River
Highway, No visible damage	Stream
Main road, No visible damage	Lake
Local road, No visible damage	River
Track, No visible damage	
Railway, No visible damage	
Airfield and Heliport, No visible damage	

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 images: Worldview-2 © Maxar Technologies, Inc. (2024) (acquired on 23/09/2022 at 10:26 UTC, resolution 0.5 m), Worldview-2 © Maxar Technologies, Inc. (2024), (acquired on 23/09/2022 at 10:22 UTC, resolution 0.5 m), Worldview-2 © Maxar Technologies, Inc. (2024), (acquired on 16/08/2022 at 10:23 UTC, resolution 0.5 m), Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 13/06/2023 at 10:06 UTC, resolution 0.5 m).

Post-event image: Pléiades-1A/B © CNES (2024), distributed by Airbus DS (acquired on 10/06/2024 at 10:13 UTC, resolution 0.5 m). This image is used as background image.

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The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by GAF AG released by e-GEOS on the 11/06/2024.

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



Consequences within the AOl						
	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOl
Flood trace	ha					111.8
Flooded area	ha					263.7
Estimated population	Number of inhabitants				- 90	- 47,000
Built-up	Residential Buildings	No. 0	0	0	0	1,191
	Office buildings	No. 0	0	0	0	43
	Administrative	No. 0	0	0	0	8
	Police station	No. 0	0	0	0	1
	Fire station	No. 0	0	0	0	5
	Wholesale and retail trade buildings	No. 0	0	0	0	389
	Industrial buildings	No. 0	0	0	0	93
	Reservoirs, silos and warehouses	No. 0	0	0	0	61
	Public entertainment buildings	No. 0	0	0	0	2
	Museums and libraries	No. 0	0	0	0	3
	School, university and research buildings	No. 0	0	0	0	31
	Hospital or institutional care buildings	No. 0	0	0	0	1
	Non-residential farm buildings	No. 0	0	0	0	65
	Buildings used as places of worship and for religious activities	No. 0	0	0	0	26
	Other buildings not elsewhere classified	No. 0	0	0	0	27
	Hotel buildings	No. 0	0	0	0	5
	Communication buildings, stations, terminals and associated buildings	No. 0	0	0	0	458
	Garage buildings	No. 0	0	0	0	123
	Unclassified	No. 0	0	1	1	13,558
Transportation	Helipad	ha 0	0	0	0	0.2
	Highways	km 0	0	0	0	46.2
	Primary Road	km 0	0	0.03	0.03	6.9
	Secondary Road	km 0	0	0	0	45.9
	Local Road	km 0	0	0.1	0.1	470.4
	Cart Track	km 0	0	19.5	19.5	583.8
	No Driveway	km 0	0	6.6	6.6	6.9
	Long-distance railways	km 0	0	0	0	42.2
Facilities	Settling Basin	ha 0	0	0	0	9.6
	Constructions for mining or extraction	ha 0	0	0	0	30.9
	Power plant constructions	ha 0	0	0	0	32.8
	Sport and recreation constructions	ha 0	0	0	0	158.1
	Long-distance pipelines, communication and electricity lines	km 0	0	0	0	35.3
	Local pipelines and cables	km 0	0	0	0	76.1
	Breakwater	km 0	0	0	0	0.1
	Dams	km 0	0	0	0	0.01
Land use	Pastures	ha			178.0	1,553.2
	Arable land	ha			163.7	7,593.9
	Other	ha			25.9	2,644.4
	Heterogeneous agricultural areas	ha			7.7	115.2
	Forests	ha			0.1	1,048.2
	Shrub and/or herbaceous vegetation association	ha			0	116.5
* Presence of damage proxies and proximity with destroyed/damaged asset						
** Sum of all damage classes						

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 © EJR2007, GeoNames 2015.
 Digital Elevation Model:
 FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Access to the portal



PROGRAMME OF THE
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