

Situation as of 24/11/2025 16:33 UTC  
Delineation - Overview map 01



Flooded area  
EO-based 1,177.0 ha  
Model-based 2,007.1 ha

Potentially affected population  
~ 2,050

Potentially Affected Built-up and Transportations

Railway  
1.3 km

Built-Up  
109.6 ha

Road  
73.6 km

Estimated flood depth (m)	Facilities
Below 0.50	Long-distance pipelines or lines
0.50 to 1.00	Local pipelines or lines
1.00 to 2.00	Dam
2.00 to 4.00	Mining or extraction site
<b>General Information</b>	Sport and recreation constructions
Area of Interest	Dump Site
Detail map	Water or Aquatic infrastructure
<b>Administrative Boundaries</b>	<b>Transportation</b>
International Boundary	Highway
<b>Placenames</b>	Main road
Placename	Local road
<b>Built-Up Area</b>	Track
Residential	Railway
Non residential	
<b>Hydrography</b>	
Lake, River	

**Event:** During the night of 18-19 November 2025, heavy and moderate rainfall has affected several regions of Albania, causing localized flooding, road blockages, landslides, and power outages. Operational structures at both local and national levels remain engaged in monitoring, clearing works, and response interventions. Given the evolving situation, Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

**Data sources and analysis:** Pre-event image: Sentinel-2 (2025) (acquired on 01/11/2025 at 09:30 UTC, resolution 3 m).  
Post-event image: Sentinel-1 (2025) (acquired on 24/11/2025 at 16:33 UTC, resolution 20 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 flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.  
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by ITHACA released by e-GEOS on the 25/11/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR850>







Situation as of 24/11/2025 16:33 UTC  
Delineation - Detail map 02



- |                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Estimated flood depth (m)</b> | <b>Built-Up Area</b>             |
| Below 0.50                       | Residential                      |
| 0.50 to 1.00                     | Non residential                  |
| 1.00 to 2.00                     | <b>Hydrography</b>               |
| <b>General Information</b>       | Lake, River                      |
| Area of Interest                 | <b>Facilities</b>                |
| <b>Administrative Boundaries</b> | Long-distance pipelines or lines |
| International Boundary           | Mining or extraction site        |
| <b>Placenames</b>                | <b>Transportation</b>            |
| Placename                        | Main road                        |
|                                  | Local road                       |
|                                  | Track                            |

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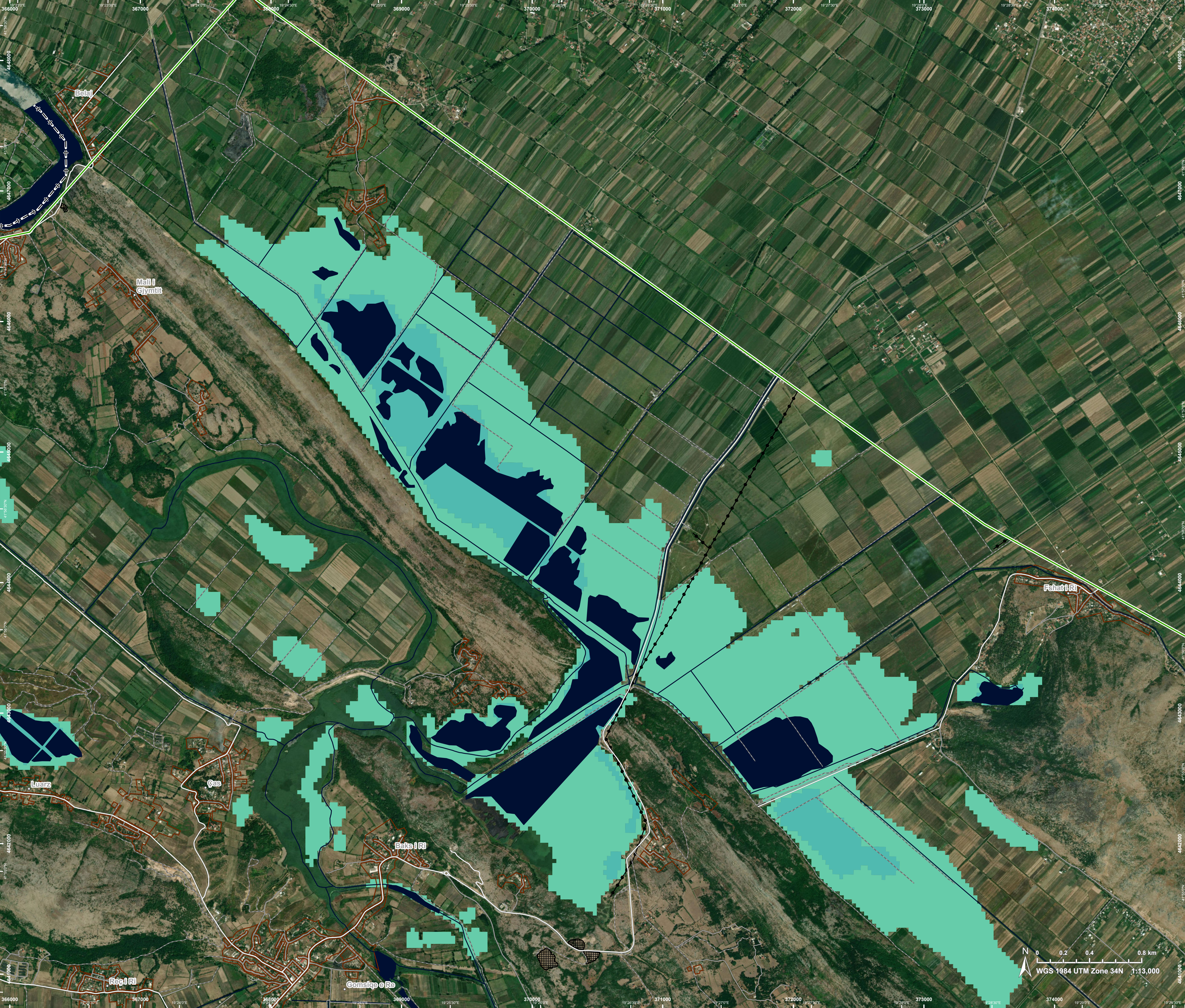
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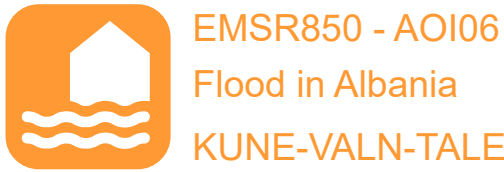
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PROGRAMME OF THE  
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Situation as of 24/11/2025 16:33 UTC  
Delineation - Detail map 03



- | Estimated flood depth (m)  | Facilities                         |
|----------------------------|------------------------------------|
| Below 0.50                 | Long-distance pipelines or lines   |
| 0.50 to 1.00               | Local pipelines or lines           |
| 1.00 to 2.00               | Mining or extraction site          |
| <b>General Information</b> | Sport and recreation constructions |
| Area of Interest           | Water or Aquatic infrastructure    |
| <b>Placenames</b>          | <b>Transportation</b>              |
| Placename                  | Main road                          |
| <b>Built-Up Area</b>       | Local road                         |
| Residential                | Track                              |
| Non residential            | Railway                            |
| <b>Hydrography</b>         |                                    |
| Lake, River                |                                    |

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Estimated flood depth (m)

Below 0.50

0.50 to 1.00

1.00 to 2.00

2.00 to 4.00

General Information

Area of Interest

Placenames

Placename

Built-Up Area

Residential

Non residential

Facilities

Long-distance pipelines or lines

Mining or extraction site

Transportation

Main road

Local road

Track

Railway

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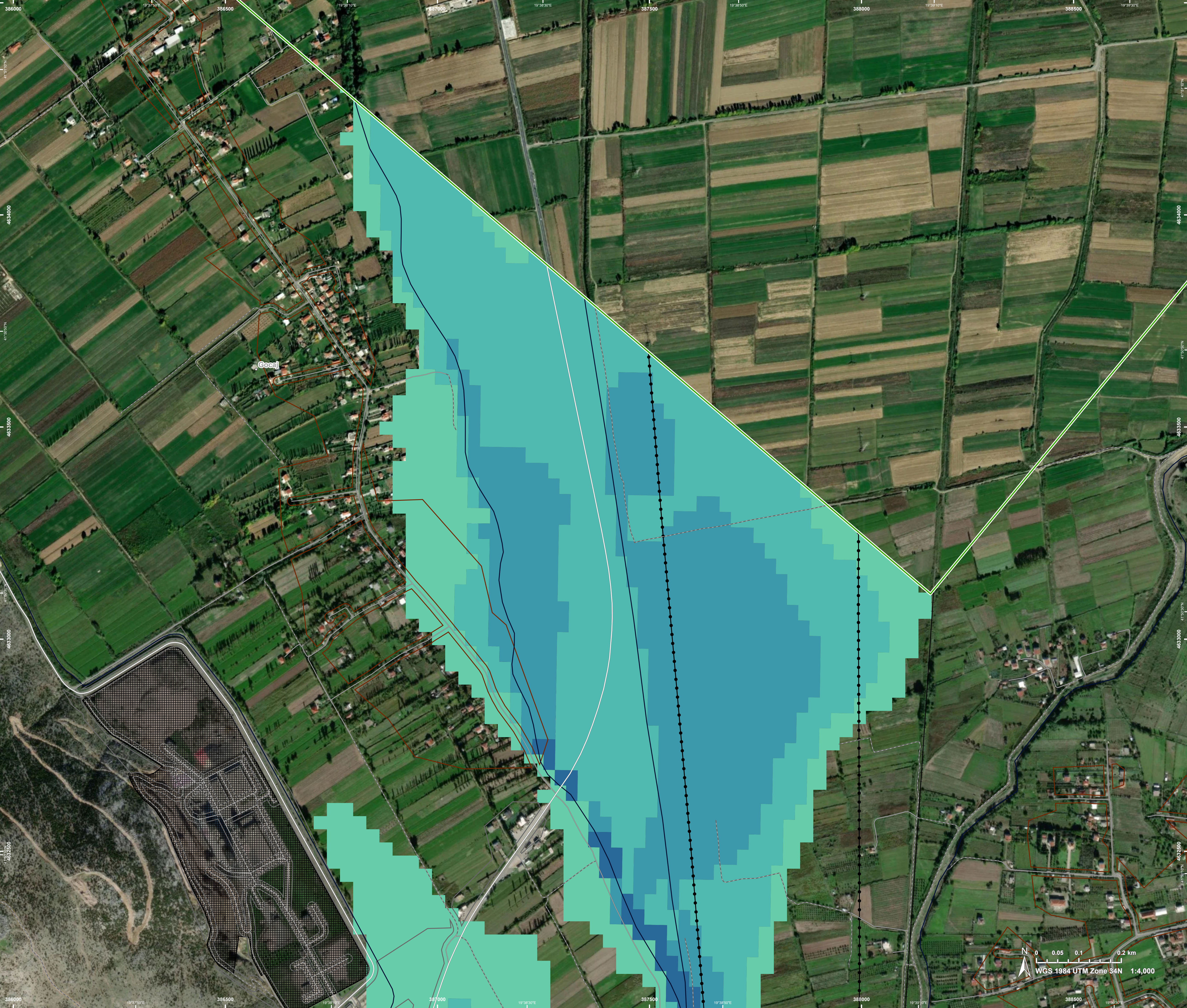
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## Consequences within the AOI

			LATEST IMPACT			
			Unit of measurement	EO-based observation*	Model-based observation	EO- and Model-based observation
Crisis information	Flooded area		ha	1,177.0	2,007.1	3,184.1
	Maximum of all extents**		ha	1,177.0	2,007.1	3,184.1

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population	Inhabitants	No.		~ 250	~ 1,800	~ 2,050	~ 72,000
Assets	Built-up	Residential Buildings	ha	10.0	89.4	99.4	2,660.4
		Industrial buildings	ha	0	10.2	10.2	126.4
		Cemetery	ha	0	0	0	2.9
	Transportation	Highways	km	0	0	0	4.1
		Primary Road	km	0.1	4.0	4.1	59.9
		Secondary Road	km	0.3	2.3	2.6	71.1
		Local Road	km	3.5	29.3	32.7	813.0
		Cart Track	km	7.1	27.0	34.1	382.6
		Long-distance railways	km	0	1.3	1.3	24.6
	Facilities	Settling Basin	ha	0	1.6	1.6	1.6
		Constructions for mining or extraction	ha	0.5	2.2	2.7	67.3
		Sport and recreation constructions	ha	0	0	0	25.2
		Other civil engineering works not elsewhere classified	ha	0	0	0	3.5
		Long-distance pipelines, communication and electricity lines	km	1.5	4.0	5.5	70.8
		Local pipelines and cables	km	0	0	0	1.7
		Dams	km	0	0	0	0.03
	Land use	Arable land	ha	553.2	727.3	1,280.5	7,606.1
		Heterogeneous agricultural areas	ha	321.1	523.1	844.2	8,298.8
		Pastures	ha	113.0	48.9	161.9	656.7
		Shrub and/or herbaceous vegetation association	ha	79.2	146.2	225.4	7,934.8
		Open spaces with little or no vegetation	ha	58.4	104.5	162.9	5,509.3
		Inland wetlands	ha	34.3	321.5	355.8	986.8
		Other	ha	10.3	127.2	137.5	5,818.0
		Coastal wetlands	ha	7.5	8.0	15.5	876.8
		Forests	ha	0	0.4	0.4	1,405.6

\* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water

\*\* Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

## Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>

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## Data Access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), 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 (2025); Wikimapia.org; GeoNames 2015;

Corine Land Cover (CLC) 2018; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Access to the portal



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