

Situation as of 20/11/2025 08:16 UTC
Delineation - Overview map 01



 **Flooded area**
EO-based 720.0 ha
Model-based 2,217.7 ha

 **Potentially affected population**
~ 320

Potentially Affected Built-up and Transportations

 **Built-Up**
7.0 ha

 **Road**
68.2 km

Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00
- 2.00 to 4.00
- Above 4.00

General Information

- Area of Interest
- Detail map
- Image Footprint
- Not Analysed

Administrative Boundaries

- International Boundary

Placenames

- Placename

Built-Up Area

- Residential

- Non residential
- School, university and research buildings
- Military

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines

- Dam

- Mining or extraction site

- Sport and recreation constructions

- Water or Aquatic infrastructure

- Dam

Transportation

- Main road

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 29/10/2025 at 09:31 UTC, resolution 10 m)
Post-event image: IE00 © copyright owned by ICEYE OY (acquired on 20/11/2025 at 08:16 UTC, resolution 2 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 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 SERTIT on the 21/11/2025.

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





- 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
 - Image Footprint
- Built-Up Area**
- Residential
 - Non residential
- Facilities**
- School, university and research buildings
 - Military
- Hydrography**
- Lake, River
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- Long-distance pipelines or lines
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- Transportation**
- Main road

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Situation as of 20/11/2025 08:16 UTC
Delineation - Detail map 03



- Estimated flood depth (m)**
- Below 0.50
 - 0.50 to 1.00
 - 1.00 to 2.00
 - 2.00 to 4.00
 - Above 4.00
- General Information**
- Area of Interest
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Dam
 - Mining or extraction site
 - Sport and recreation constructions
 - Dam
- Transportation**
- Main road
- School, university and research buildings**

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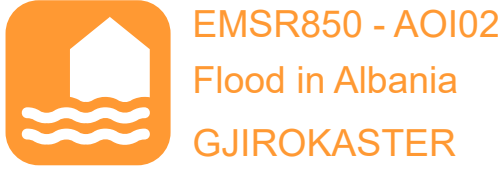
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Situation as of 20/11/2025 08:16 UTC
Delineation - Detail map 04



- Estimated flood depth (m)**
- Below 0.50
 - 0.50 to 1.00
 - 1.00 to 2.00
 - 2.00 to 4.00
 - Above 4.00
- General Information**
- Area of Interest
- Built-Up Area**
- Residential
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Water or Aquatic infrastructure
- Transportation**
- Main road
- Non residential**

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.

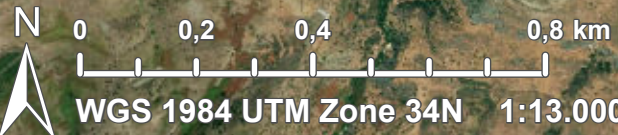
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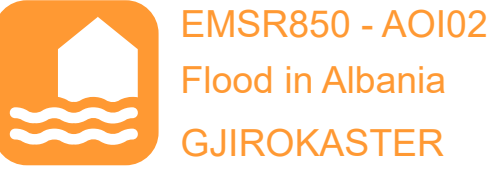
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Delineation - Detail map 05



Estimated flood depth (m)	Built-Up Area
Below 0.50	Residential
0.50 to 1.00	Non residential
1.00 to 2.00	
2.00 to 4.00	
Above 4.00	
General Information	Hydrography
Area of Interest	Lake, River
Image Footprint	
Not Analysed	
Placenames	Facilities
Placename	Long-distance pipelines or lines
	Dam
	Sport and recreation constructions
	Dam
	Transportation
	Main road

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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	720.0	2,217.7	2,937.6
	Maximum of all extents**		ha	720.0	2,217.7	2,937.6

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 70	~ 250	~ 320	~ 37,000
Assets	Built-up	Residential Buildings	ha	0.5	4.8	5.3	1,113.1
		Office buildings	ha	0.1	1.3	1.3	18.3
		Wholesale and retail trade buildings	ha	0	0	0	0.1
		Industrial buildings	ha	0	0.2	0.2	9.4
		School, university and research buildings	ha	0	0	0	1.3
		Military	ha	0	0	0	0.01
		Cemetery	ha	0.03	0.1	0.1	22.0
	Transportation	Primary Road	km	2.2	11.7	13.9	124.8
		Secondary Road	km	0	0.1	0.1	24.2
		Local Road	km	2.1	13.6	15.7	675.0
		Cart Track	km	6.0	32.5	38.5	447.1
	Facilities	Dams	ha	0	0.4	0.4	5.2
		Constructions for mining or extraction	ha	0	0.9	0.9	10.9
		Sport and recreation constructions	ha	1.9	3.3	5.2	35.6
		Other civil engineering works not elsewhere classified	ha	0	0.2	0.2	0.2
		Long-distance pipelines, communication and electricity lines	km	1.5	9.1	10.5	71.2
		Dams	km	0	0.5	0.5	2.3
	Land use	Arable land	ha	463.4	1,529.1	1,992.5	8,725.6
		Heterogeneous agricultural areas	ha	147.8	354.6	502.4	11,737.4
		Pastures	ha	29.6	58.8	88.4	4,751.1
		Open spaces with little or no vegetation	ha	25.6	82.7	108.3	4,774.8
		Shrub and/or herbaceous vegetation association	ha	24.9	65.5	90.3	29,123.0
		Other	ha	18.4	89.3	107.7	3,420.1
		Forests	ha	9.1	35.9	45.0	11,282.1
		Permanent crops	ha	1.1	1.8	3.0	712.4

* 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.

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 (2025); Wikimapia.org; GeoNames 2015;

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

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;

Digital Elevation Model:

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

Digital Elevation Model (DEM) (Airbus, 2020).



PROGRAMME OF THE
EUROPEAN UNION

