



EMSR933 - AOI07
Flood in Crete, Greece
OMALOS

Situation as of 06/10/2026 10:45 UTC
Delineation MONIT01 - Overview map 01





Flooded area
EO-based 5.1 ha
Model-based 38.4 ha



Potentially affected population
NA

Potentially Affected Transportations



Road
2.2 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

Hydrography

Lake, River

Placename

Dam

Dump Site

Transportation

Main road

Local road

Track

Helipad

General Information

Area of Interest

Detail map

Not Analysed

Built-Up Area

Residential

Non residential

Event: On 01 October 2026, a severe rainfall and flooding event was reported to have affected Crete, Greece. The event is ongoing and increasing, with damage reported to affect buildings, critical infrastructure, transportation networks, agricultural areas and private properties. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 11/07/2025 at 00:00 UTC, resolution 0.5 m). Post-event image: Legion © Vantor (2026) , provided by European Space Imaging (acquired on 06/10/2026 at 10:45 UTC, resolution 1,6 m). This image is used as background image. All images are provided under C  PERNICUS by the European Union and ESA, all rights reserved.

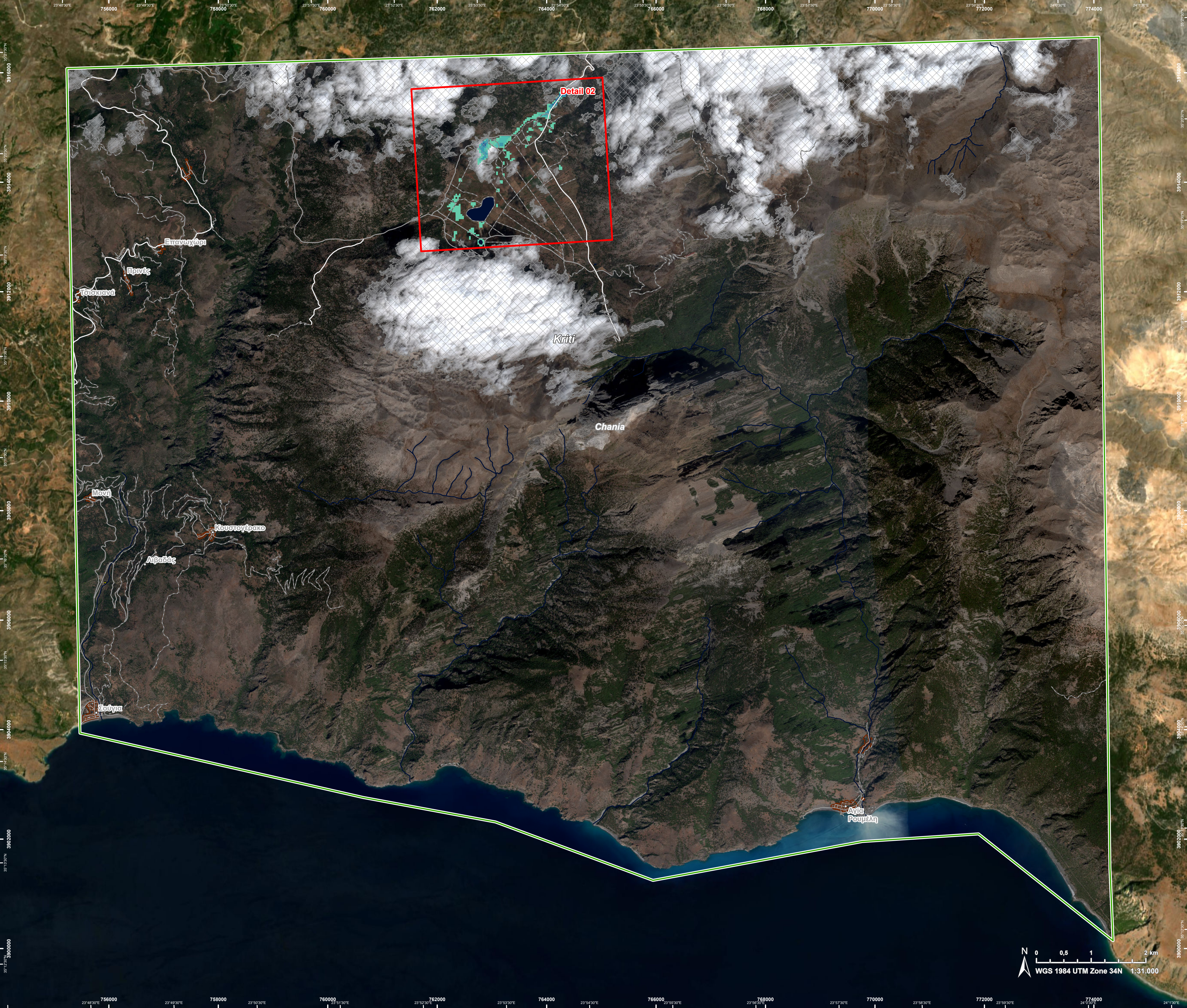
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

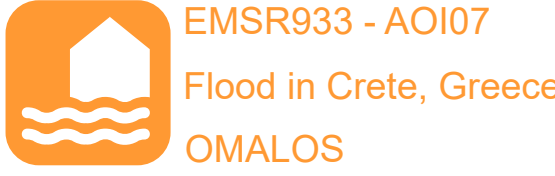
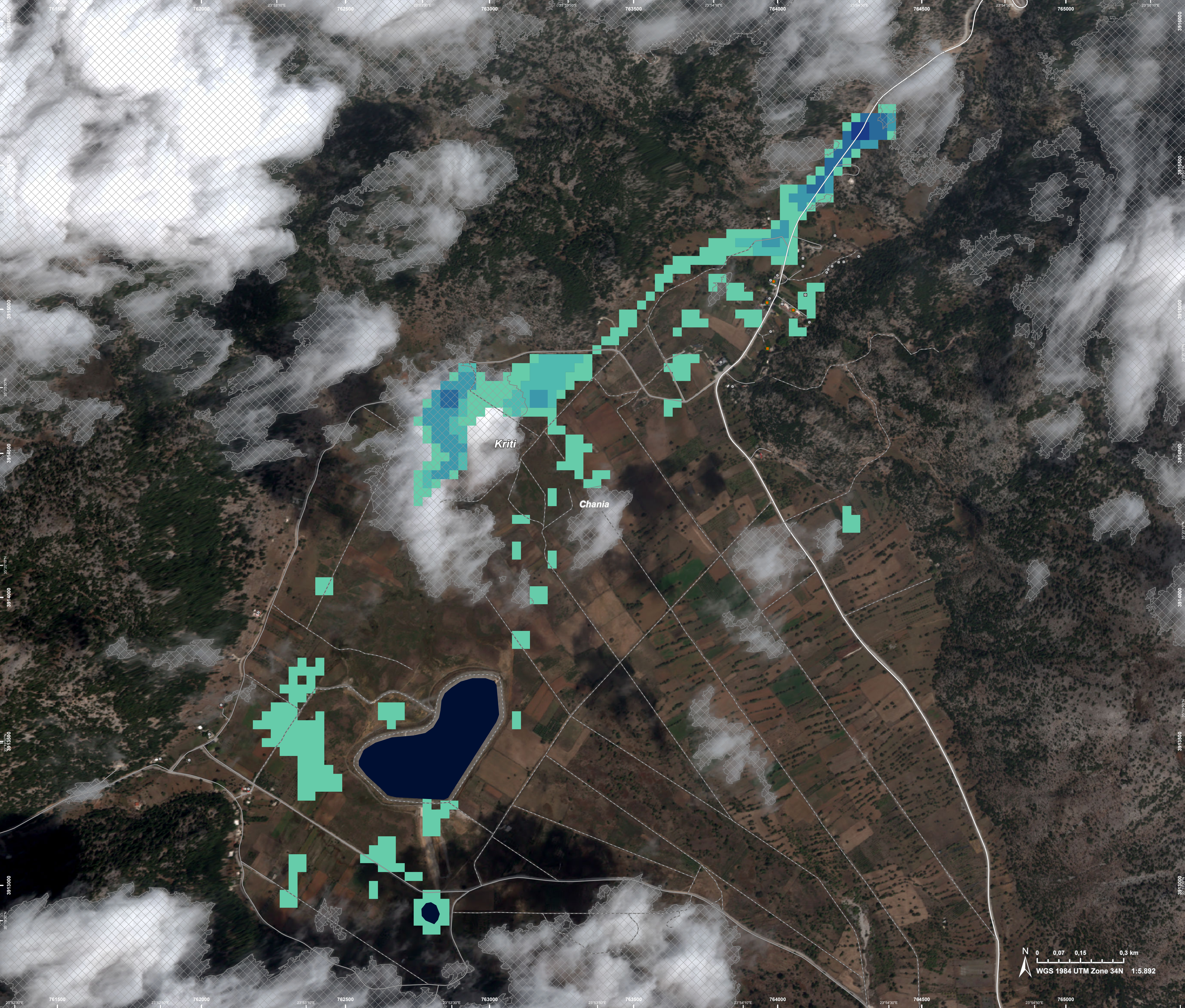
The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water. The extrapolated flood extent and depth are generated by integrating observed flooded areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM 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 06/10/2026.



Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR933>





Situation as of 06/10/2026 10:45 UTC
Delineation MONIT01 - Detail map 02



- 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
- Built-Up Area**

 - Non residential
 - Unclassified
- Hydrography**

 - Lake, River
- Transportation**

 - Main road
 - Local road
 - Track
- General Information**

 - Not Analysed

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Consequences within the AOI

			Unit of measurement	LATEST IMPACT		
				Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	5.1	38.4	43.5
	Maximum of all extents**		ha	5.1	38.4	43.5

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	NA		NA	~ 700
Assets	Built-up	Residential Buildings	ha	0	0	0	18.5
		Cemetery	ha	0	0	0	0.1
	Transportation	Helipad	ha	0	0	0	0.3
		Primary Road	km	0	0	0	2.4
		Secondary Road	km	0	0.6	0.6	17.2
		Local Road	km	0	0.6	0.6	55.4
		Cart Track	km	0.01	1.0	1.0	117.4
	Facilities	Other civil engineering works not elsewhere classified	ha	0	0	0	0.1
		Dams	km	0	0	0	0.02
	Land use	Arable land	ha	3.7	17.5	21.3	327.3
		Heterogeneous agricultural areas	ha	1.0	16.5	17.5	844.6
		Other	ha	0.3	1.1	1.5	1,026.7
		Permanent crops	ha	0	0	0	285.6
		Pastures	ha	0	0	0	99.8
		Forests	ha	0	0.1	0.1	8,377.6
		Shrub and/or herbaceous vegetation association	ha	0	3.2	3.2	13,667.4
		Open spaces with little or no vegetation	ha	0	0	0	1,971.5

* 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 (2026); Wikimapia.org; GeoNames 2015;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.
Corine Land Cover (CLC) 2018.

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

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

Access to the portal

