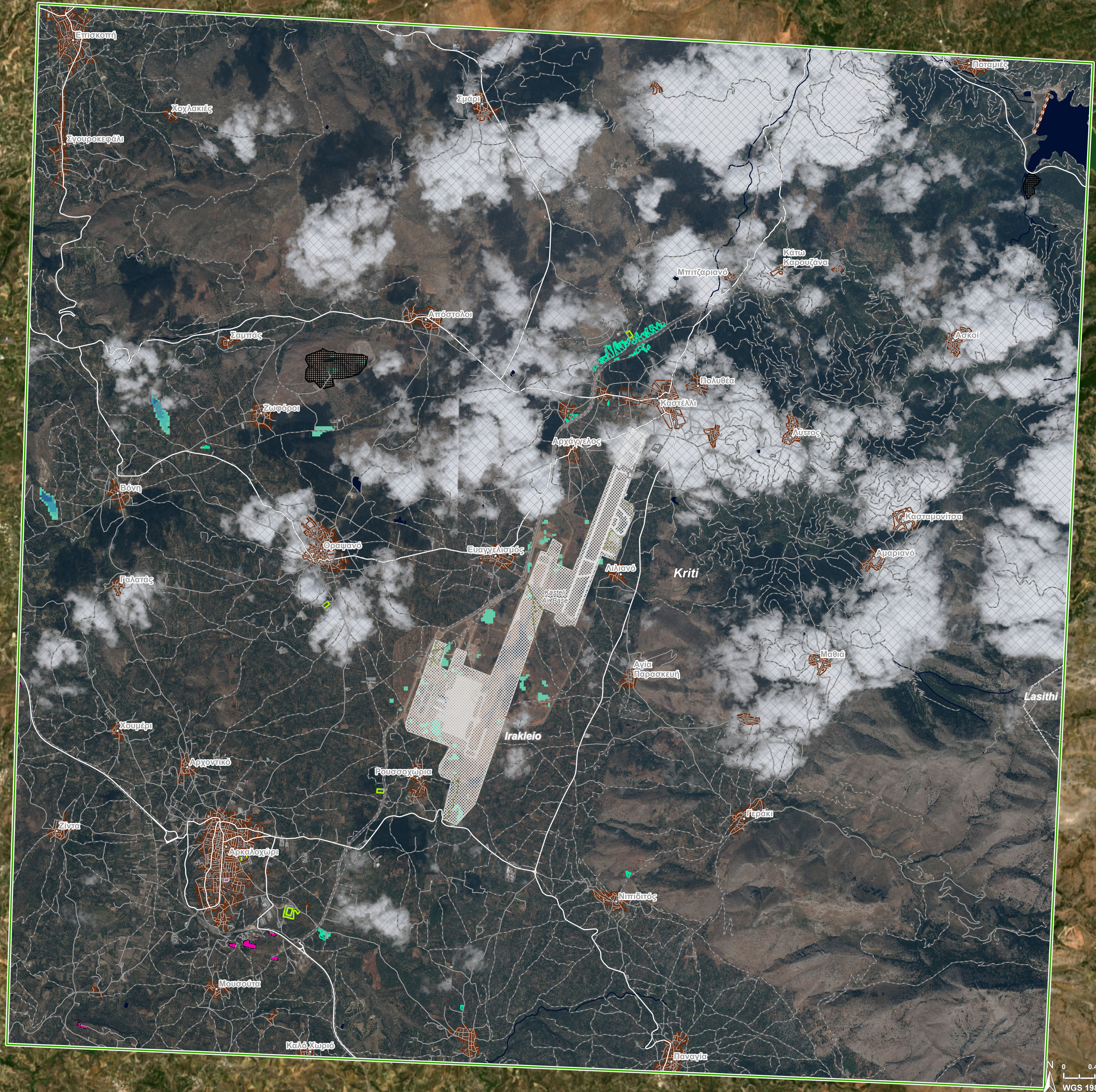


Situation as of 06/10/2026 10:47 UTC
Delineation MONIT01 - Overview map 01



Flooded area
EO-based 9.8 ha
Model-based 41.3 ha

Potentially affected population
~ Not available

Potentially Affected Built-up and Transportations

Road
1.8 km

Built-Up
12.9 ha

Estimated flood depth (m)	Hydrography
Below 0.50	Lake, River
0.50 to 1.00	Placenames
1.00 to 2.00	Placename
2.00 to 4.00	Facilities
Flood trace	Dam
General Information	Mining or extraction site
Area of Interest	Power plant
Not Analysed	Sport and recreation constructions
Administrative Boundaries	Transportation
Province	Main road
Built-Up Area	Local road
Residential	Track
Non residential	Airfield runway
School, university and research buildings	Airfield
Military	

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 23/05/2025, resolution 1.0 m). Post-event image: Legion © Vantor (2026), provided by European Space Imaging (acquired on 06/10/2026 at 10:47 UTC, resolution 1.2 m). This image is used as background image. 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.

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 Telespazio Iberica 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>

Consequences within the AOI

				LATEST IMPACT			
				Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flood trace			ha	14.3	0	14.3
	Flooded area			ha	9.8	41.3	51.1
	Maximum of all extents**			ha	24.1	41.3	65.5

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	NA	NA	NA	~ 15,000
Assets	Built-up	Residential Buildings	ha	0.1	0	0.1	256.0
		Office buildings	ha	0	0	0	0.1
		Wholesale and retail trade buildings	ha	0	0	0	0.9
		Industrial buildings	ha	0	0	0	0.6
		School, university and research buildings	ha	0	0	0	0.3
		Other non-residential buildings	ha	0	0	0	8.2
		Military	ha	3.5	9.3	12.8	435.5
		Cemetery	ha	0	0	0	2.9
	Transportation	Airfield runways	ha	3.5	9.9	13.4	446.0
		Airfield runways	km	0	0	0	8.5
		Primary Road	km	0	0	0	14.5
		Secondary Road	km	0	0.1	0.1	67.9
		Local Road	km	0.4	0.4	0.8	385.4
		Cart Track	km	0.1	0.8	0.9	714.2
	Facilities	Constructions for mining or extraction	ha	0.3	1.3	1.5	43.2
		Power plant constructions	ha	0	0	0	4.0
		Sport and recreation constructions	ha	0	0	0	6.0
		Dams	km	0	0	0	0.6
	Land use	Permanent crops	ha	22.7	38.1	60.8	11,826.0
		Heterogeneous agricultural areas	ha	0.6	1.2	1.8	3,460.8
		Other	ha	0.5	1.7	2.1	515.0
		Shrub and/or herbaceous vegetation association	ha	0.4	0.4	0.7	9,154.5
		Forests	ha	0	0	0	132.7
		Open spaces with little or no vegetation	ha	0	0	0	87.9

* 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

