

EMSR824 - AOI01
Wildfire in Portugal
AROUCA

Situation as of 31/07/2025 11:11 UTC
Delineation MONIT01 - Overview map 01







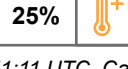

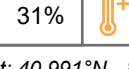


Active Flames 3 No.
Fire Fronts 0.7 km
Burnt area 6,688.9 ha

Potentially affected population ~ 350

Potentially Affected Built-up and Transportations

Built-Up 3.1 ha
Road 316.1 km

- Crisis Information**
- Active Flames
 - Fire Fronts
 - Burnt area
 - Previous burnt area
- General Information**
- Area of Interest
 - Not Analysed
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
 - Hospital or institutional care buildings
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Local pipelines or lines
 - Dam
 - Mining or extraction site
 - Power plant
 - Sport and recreation constructions
 - Water or Aquatic infrastructure
 - Dam
- Transportation**
- Main road
 - Local road
 - Track
 - Helipad

	Current		Forecast	
	Jul 31, 11:11 UTC		Aug 01, 11:11 UTC	Aug 02, 11:11 UTC
Wind direction and speed	 7 km/h		 11 km/h	 10 km/h
Temperature and relative humidity	 33°  25%		 31°  31%	 33°  28%

Data retrieved from ECMWF on Jul 31, 11:11 UTC. Calculated at: 40.991°N, -8.151°E.

Event: Since 27th July the number of wildfires in Portugal has continued to increase, with 60 active incidents currently reported. Three of these fires have been burning for over 24 hours. Due to the persistence of the fires in Arouca and Ponte da Barca, EMS Copernicus activation is being requested. Copernicus EMS Rapid Mapping is requested to provide fire extent and monitoring.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2025) (acquired on 14/07/2025 at 11:21 UTC, resolution 10 m).
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2025), (acquired on 31/07/2025 at 11:11 UTC, resolution 2 m).
This image is used as background image.

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Due to dense smoke, the burnt area delineation is not complete.

The current burnt area cumulates all burnt area extents from previous post-event products.

Map produced by GMV released by e-GEOS on the 31/07/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR824>

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Burnt area		ha		6,688.9
Fire Fronts		km		0.7
Active Flames		No.		3
Estimated population	Number of inhabitants		~ 350	~ 43,000
Built-up	Residential Buildings	ha	3.0	357.2
	Office buildings	ha	0	0.02
	Wholesale and retail trade buildings	ha	0	0.4
	Industrial buildings	ha	0	23.9
	School, university and research buildings	ha	0	19.1
	Hospital or institutional care buildings	ha	0	0.8
	Cemetery	ha	0.1	5.2
Transportation	Helipad	ha	0	0.1
	Primary Road	km	7.5	120.7
	Secondary Road	km	14.4	144.7
	Local Road	km	61.1	1,011.0
	Cart Track	km	233.1	1,180.1
Facilities	Settling Basin	ha	0	0.3
	Dams	ha	0	2.7
	Constructions for mining or extraction	ha	3.6	135.4
	Power plant constructions	ha	0	0.5
	Sport and recreation constructions	ha	0.7	43.5
	Other civil engineering works not elsewhere classified	ha	0	0.04
	Long-distance pipelines, communication and electricity lines	km	57.3	246.5
	Local pipelines and cables	km	6.5	41.5
	Dams	km	0	0.3
Land use	Shrub and/or herbaceous vegetation association	ha	4,754.5	19,792.6
	Forests	ha	1,777.5	11,787.4
	Heterogeneous agricultural areas	ha	110.6	9,886.6
	Open spaces with little or no vegetation	ha	27.8	27.8
	Other	ha	10.2	885.5
	Permanent crops	ha	6.1	147.4
	Arable land	ha	2.3	383.7

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; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

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



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