

 EMSR824 - AOI01

Wildfire in Portugal

AROUCA

Situation as of 30/07/2025 11:14 UTC

Delineation - Overview map 01



 Active Flames 7 No.

 Fire Fronts 2.5 km

 Burnt area 5,183.4 ha

 Potentially affected population

 ~ 300

Potentially Affected Built-up and Transportations





 Built-Up

 3.2 ha



 Road

 255.0 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


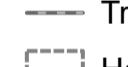


Hydrography





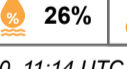

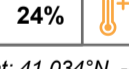


-  Lake, River

Facilities

-  Long-distance pipelines or lines
-  Local pipelines or lines
-  Dam
-  Mining or extraction site
-  Sport and recreation constructions
-  Water or Aquatic infrastructure
-  Dam

Transportation

-  Main road
-  Local road
-  Track
-  Helipad

	Current		Forecast	
	Jul 30, 11:14 UTC		Jul 31, 11:14 UTC	Aug 01, 11:14 UTC
Wind direction and speed	 6 km/h		 5 km/h	 12 km/h
Temperature and relative humidity	 32°  26%		 34°  24%	 32°  27%

Data retrieved from ECMWF on Jul 30, 11:14 UTC. Calculated at: 41.034°N, -8.148°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: Pleiades-1A © CNES (2025), distributed by Airbus DS (acquired on 30/07/2025 at 11:14 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.

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		5,183.4
Fire Fronts		km		2.5
Active Flames		No.		7
Estimated population	Number of inhabitants		~ 300	~ 26,000
Built-up	Residential Buildings	ha	3.1	279.6
	Office buildings	ha	0	0.02
	Industrial buildings	ha	0	12.5
	School, university and research buildings	ha	0	7.4
	Cemetery	ha	0.1	3.3
Transportation	Helipad	ha	0	0.1
	Primary Road	km	7.5	63.2
	Secondary Road	km	12.2	120.8
	Local Road	km	56.5	707.1
	Cart Track	km	178.7	892.6
Facilities	Settling Basin	ha	0	0.3
	Dams	ha	0.1	0.1
	Constructions for mining or extraction	ha	18.0	23.8
	Sport and recreation constructions	ha	0.7	34.3
	Other civil engineering works not elsewhere classified	ha	0	0.04
	Long-distance pipelines, communication and electricity lines	km	30.1	147.6
	Local pipelines and cables	km	6.6	41.3
	Dams	km	0	0.3
Land use	Shrub and/or herbaceous vegetation association	ha	3,369.5	15,308.4
	Forests	ha	1,673.8	8,767.7
	Heterogeneous agricultural areas	ha	87.8	6,020.4
	Open spaces with little or no vegetation	ha	26.1	27.8
	Other	ha	25.1	302.9
	Arable land	ha	1.1	305.9
	Permanent crops	ha	0	113.0

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.

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).

Access to the portal



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