



EMSR760 - AOI02  
Wildfire in Portugal  
REGIAO NORTE E CENTRO

Situation as of 29/09/2024 10:35 UTC  
Delineation MONIT02 - Overview map 01



Burnt area 55,966.8 ha



Potentially affected population  
~ 7600

Potentially Affected Built-up and Transportations



Built-Up

205.7 ha



Road

1,876.7 km



Railway

0.5 km



Airport

0.01 km

#### Crisis Information

Burnt area

#### General Information

Area of Interest

Image Footprint

#### Administrative Boundaries

Region

#### Placenames

Placename

#### Built-Up Area

Residential

#### Hydrography

Lake, River

#### Facilities

Dam

Mining or extraction site

Water Well

Power plant

Sport and recreation constructions

Dump Site

Water or Aquatic infrastructure

Dam

#### Transportation

Highway

Main road

Railway

Airfield runway

Airfield

Helipoint

Helipad

	Current		Forecast	
	29 September 11:00 UTC	30 September 11:00 UTC	30 September 11:00 UTC	1 October 11:00 UTC
Wind direction and speed	2 km/h	1 km/h	9 km/h	
Temperature and relative humidity	17° 54%	18° 59%	16° 84%	

Data retrieved from ECMWF on September 24, 11:34 UTC. Calculated at: 40°46'25"N, 7°58'30"W.

**Event:** On the 15 September 2024, a wildfire started in the municipalities of Oliveira de Azemeis, Sever do Vouga and Albergaria-a-Velha, in Aveiro region. The fire expanded rapidly due to the high temperature and strong winds. Since the 18 September 2024, additional areas are impacted by wildfires as well. In the fire combat are actually present 5 300 operationals, 1 625 vehicles and 26 airplanes and helicopters. Fires are still very active. Copernicus EMS Rapid Mapping is requested to provide fire extent.

**Data sources and analysis:** Pre-event image: Sentinel-2A/B (2024) (acquired on 16/08/2024 at 11:21 UTC, resolution 10.0 m). Post-event image: SPOT6/7 © Airbus DS (2024), (acquired on 28/09/2024 at 11:32 UTC, resolution 1.5 m). SPOT6/7 © Airbus DS (2024), (acquired on 29/09/2024 at 10:35 UTC, resolution 1.5 m). These images are 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 by means of visual interpretation.

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

Map produced by ITHACA released by e-GEOS on the 30/09/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR760>



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Consequences within the AOI				
	Unit of measurement	Affected	Total in AOI	
Burnt area	ha		55,966.8	
Estimated population	Number of inhabitants	~ 7,600	~ 910,000	
Built-up	Residential Buildings	ha 190.2	21,381.9	
	Other non-residential buildings	ha 15.5	2,791.8	
Transportation	Airfield runways	ha 0	1.5	
	Helipad	ha 0	1.8	
	Helipad	ha 0	0.9	
	Airfield runways	km 0.01	0.9	
	Highways	km 56.0	680.8	
	Primary Road	km 46.2	1,246.4	
	Secondary Road	km 61.6	922.4	
	Local Road	km 329.2	9,152.1	
	Cart Track	km 1,383.7	9,166.0	
	Railway Yard	km 0	0.1	
	Long-distance railways	km 0.5	206.3	
Facilities	Settling Basin	ha 0	33.8	
	Dams	ha 0	7.3	
	Constructions for mining or extraction	ha 52.0	769.8	
	Power plant constructions	ha 0.03	13.4	
	Sport and recreation constructions	ha 6.9	947.7	
	Other civil engineering works not elsewhere classified	ha 0	125.0	
Land use	Dams	km 0.04	2.7	
	Shrub and/or herbaceous vegetation association	ha 37,675.2	149,967.5	
	Forests	ha 11,993.0	66,227.1	
	Heterogeneous agricultural areas	ha 5,350.2	97,433.8	
	Other	ha 390.9	28,187.1	
	Open spaces with little or no vegetation	ha 312.8	2,184.2	
	Arable land	ha 109.3	5,137.8	
	Pastures	ha 82.4	1,182.9	
	Permanent crops	ha 53.0	13,357.5	

**Disclaimer:**

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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**Data Access:**

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, 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 (2024), Wikimapia.org, GeoNames 2015,

Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.

Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

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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