

EMSR760 - AOI04
Wildfire in Portugal
REGIAO NORTE

Situation as of 23/09/2024 11:32 UTC

Delineation MONIT01 - Overview map 01



Burnt area
20,759.3 ha



Potentially affected
population
~ 1900

Potentially Affected Built-up and Transportations



Railway
14.5 km



Road
805.1 km



Built-Up
100.6 ha

Crisis Information

Burnt area

General Information

Area of Interest

Not Analysed

Administrative Boundaries

Region

Province

Municipality

Built-Up Area

Residential

Non residential

Fire station

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

Water Well

Power plant

Sport and recreation
constructions

Dump Site

Water or Aquatic
infrastructure

Dam

Transportation

Highway

Main road







Local road

Railway

Airfield runway

Airfield

Helipad

	Current		Forecast	
	23 September 11:32 UTC	24 September 12:00 UTC	25 September 12:00 UTC	
Wind direction and speed	 5 km/h	 14 km/h	 22 km/h	
Temperature and relative Humidity	 14° 97%	 17° 90%	 19° 99%	

Data retrieved from ECMWF on September 23, 11:32 UTC. Calculated at: 41°34'25"N, 8°18'31"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 5300 operationals, 1625 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 21/08/2024 at 11:21 UTC, resolution 10.0 m). Post-event image: Worldview-2@ Maxar Technologies, Inc. (2024), (acquired on 23/09/2024 at 11:32 UTC, resolution 2.0 m). This image is used as background image. All images are provided under COPENICUS 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 current burnt area cumulates all burnt area extents from previous post-event products.

Map produced by Planetek Hellas released by e-GEOS on the 24/09/2024.

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

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Burnt area	ha		20,759.3
Estimated population	Number of inhabitants	~ 1,900	~ 330,000
Built-up	Residential Buildings	ha 95.5	12,296.2
	Office buildings	ha 0	5.7
	Administrative	ha 0	0.1
	Police station	ha 0	5.6
	Fire station	ha 0	8.4
	Industrial buildings	ha 5.1	191.2
	School, university and research buildings	ha 0	224.1
	Hospital or institutional care buildings	ha 0	11.5
Transportation	Airfield runways	ha 0	22.0
	Helipad	ha 0	1.4
	Airfield runways	km 0	1.7
	Highways	km 8.1	367.4
	Primary Road	km 23.7	827.6
	Secondary Road	km 14.3	791.1
	Local Road	km 92.0	5,394.5
	Cart Track	km 666.9	12,776.9
Facilities	Long-distance railways	km 14.5	103.8
	Settling Basin	ha 0	3.1
	Dams	ha 0	11.2
	Constructions for mining or extraction	ha 99.8	1,042.5
	Power plant constructions	ha 0.03	9.3
	Sport and recreation constructions	ha 0.1	264.5
	Other civil engineering works not elsewhere classified	ha 21.9	49.2
	Long-distance pipelines, communication and electricity lines	km 112.4	1,329.0
Land use	Local pipelines and cables	km 1.8	174.2
	Dams	km 0.04	2.8
	Shrub and/or herbaceous vegetation association	ha 14,801.3	145,205.2
	Forests	ha 2,663.9	52,814.2
	Heterogeneous agricultural areas	ha 1,592.2	94,352.3
	Open spaces with little or no vegetation	ha 1,080.2	7,237.2
	Other	ha 263.8	15,594.1
	Arable land	ha 228.3	22,648.4
	Pastures	ha 72.5	2,976.4
	Permanent crops	ha 57.1	6,378.2

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 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 (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
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 Digital Elevation Model (DEM) (Airbus,2020).



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