



EMSR760 - AOI02  
Wildfire in Portugal  
REGIAO NORTE E CENTRO

Situation as of 19/09/2024 11:56 UTC  
Delineation - Overview map 01



Active Flames 28 No.  
Fire Fronts 3.6 km  
Burnt area 30,250.6 ha



Potentially affected  
population  
~ 3900

Potentially Affected Built-up and Transportations

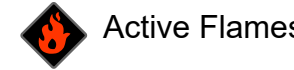


Built-Up  
89.3 ha



Road  
1,041.7 km

#### Crisis Information



Active Flames

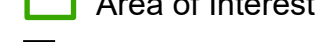


Fire Fronts



Burnt area

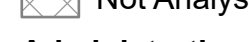
#### General Information



Area of Interest

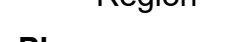


Image Footprint



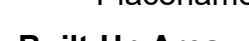
Not Analysed

#### Administrative Boundaries



Region

#### Placenames



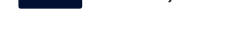
Placename

#### Built-Up Area



Residential

#### Hydrography



Lake, River

#### Facilities



Dam



Mining or extraction site



Water Well



Power plant



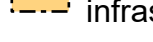
Sport and recreation constructions



Dump Site



Water or Aquatic infrastructure



Dam

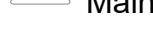
#### Transportation



Highway



Main road



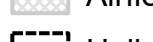
Railway



Airfield runway












Airfield



Heliport



Helipad

	Current	Forecast	
	19 September 11:56 UTC	20 September 11:56 UTC	21 September 11:56 UTC
Wind direction and speed	 8 km/h	 4 km/h	 5 km/h
Temperature and relative Humidity	 +20°  80%	 +17°  83%	 +16°  70%

Data retrieved from ECMWF on September 19, 11:56 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 operational, 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: WorldView-2 © Maxar Technologies, Inc. (2024), (acquired on 19/09/2024 at 11:56 UTC, resolution 2.0 m).  
This image is used as background image.  
GeoEye-1 © Maxar Technologies, Inc. (2024), (19/09/2024 at 11:21 and 11:56 UTC, resolution 2.0 m). This image is used as background image.  
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The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by Telespazio Iberica released by SERTIT on the 20/09/2024.

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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WGS 1984 UTM Zone 29N 1:133,000



Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Burnt area	ha		30,250.6
Fire Fronts	km		3.6
Active Flames	No.		28
Estimated population	Number of inhabitants	~ 3,900	~ 910,000
Built-up	Residential Buildings	ha 85.5	21,381.9
	Other non-residential buildings	ha 3.7	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 41.4	675.8
	Primary Road	km 24.5	1,243.6
	Secondary Road	km 20.5	921.1
	Local Road	km 167.6	9,126.0
	Cart Track	km 787.7	9,155.6
	Railway Yard	km 0	0.1
	Long-distance railways	km 0	206.2
Facilities	Settling Basin	ha 0	33.7
	Dams	ha 0	7.3
	Constructions for mining or extraction	ha 34.9	769.8
	Power plant constructions	ha 0	13.4
	Sport and recreation constructions	ha 3.5	947.4
	Other civil engineering works not elsewhere classified	ha 0	125.0
	Long-distance pipelines, communication and electricity lines	km 95.8	1,659.9
	Local pipelines and cables	km 14.4	820.2
Land use	Dams	km 0	2.7
	Shrub and/or herbaceous vegetation association	ha 21,070.6	149,753.5
	Forests	ha 6,213.2	66,154.8
	Heterogeneous agricultural areas	ha 2,428.3	97,155.7
	Other	ha 208.0	28,066.3
	Open spaces with little or no vegetation	ha 194.6	2,184.2
	Pastures	ha 77.5	1,182.9
	Arable land	ha 52.6	5,137.7
	Permanent crops	ha 5.8	13,345.7

**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



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