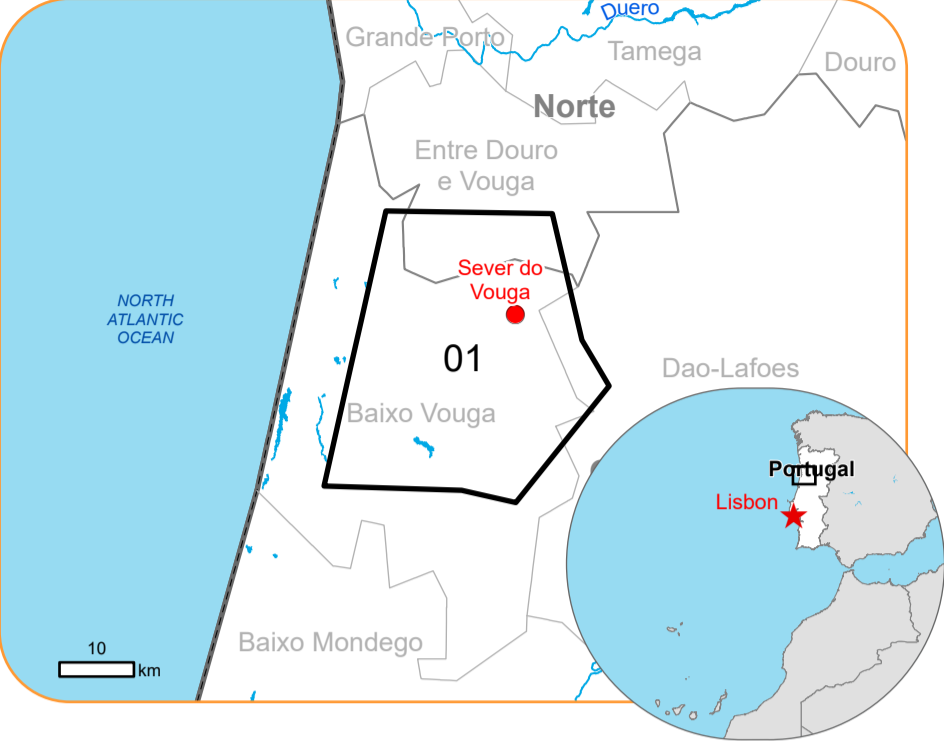




EMSR760 - AOI01  
Wildfire in Portugal  
SEVER DO VOUGA

Situation as of 19/09/2024 11:56 UTC  
Delineation MONIT02 - Overview map 01



Burnt area 20,892.1 ha



Potentially affected population ~ 4100

Potentially Affected Built-up and Transportations



Built-Up 115.7 ha



Road 841.2 km



Railway 10.2 km

#### Crisis Information

Burnt area

#### General Information

Area of Interest

Not Analysed

#### Administrative Boundaries

Region

Province

Municipality

#### Placenames

Placename

#### Built-Up Area

Residential

Non residential

#### 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

Railway










Airfield runway

Navigable canal

#### Transportation

Helipad

Water or Aquatic infrastructure

	Current		Forecast	
	19 September 11:56 UTC	20 September 11:56 UTC	21 September 11:56 UTC	22 September 11:56 UTC
Wind direction and speed	 10 km/h	 11 km/h	 8 km/h	
Temperature and relative humidity	 24°  53%	 21°  65%	 19°  76%	

Data retrieved from ECMWF on September 19, 11:56 UTC. Calculated at: 40.731°N, -8.372°W.

**Event:** On the 15 September 2024, a wildfire started in the municipalities of Oliveira de Azeméis, 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: WorldView-3 © Maxar Technologies, Inc. (2024), (acquired on 19/09/2024 at 11:56 UTC, resolution 2.0 m). This image is 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. 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 Telespazio Iberica released by SERTIT on the 19/09/2024.

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		20,892.1	
Estimated population	Number of inhabitants	~ 4,100	~ 220,000	
Built-up	Residential Buildings	ha	103.2	9,709.8
	Industrial buildings	ha	12.5	2,122.6
	Other non-residential buildings	ha	0	131.5
Transportation	Navigable canals	ha	0	5.0
	Helipad	ha	0	0.2
	Airfield runways	km	0	0.6
	Navigable canals	km	0	7.2
	Highways	km	60.8	322.9
	Primary Road	km	35.0	402.6
	Secondary Road	km	20.3	270.8
	Local Road	km	157.3	2,998.5
	Cart Track	km	567.9	2,850.1
	Long-distance railways	km	10.2	183.0
Facilities	Settling Basin	ha	1.1	17.2
	Dams	ha	0.1	2.0
	Constructions for mining or extraction	ha	26.2	68.1
	Power plant constructions	ha	0.2	8.3
	Sport and recreation constructions	ha	14.4	270.9
	Other civil engineering works not elsewhere classified	ha	0	49.9
	Long-distance pipelines, communication and electricity lines	km	75.4	659.7
	Local pipelines and cables	km	10.1	75.7
Land use	Dams	km	0.2	1.5
	Forests	ha	12,005.9	43,421.4
	Shrub and/or herbaceous vegetation association	ha	7,608.2	21,650.2
	Heterogeneous agricultural areas	ha	941.6	20,358.2
	Other	ha	237.8	11,673.2
	Arable land	ha	98.6	11,582.4
	Permanent crops	ha	0	156.8
	Pastures	ha	0	150.3
	Open spaces with little or no vegetation	ha	0	35.0
	Inland wetlands	ha	0	332.8
	Coastal wetlands	ha	0	357.7

**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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