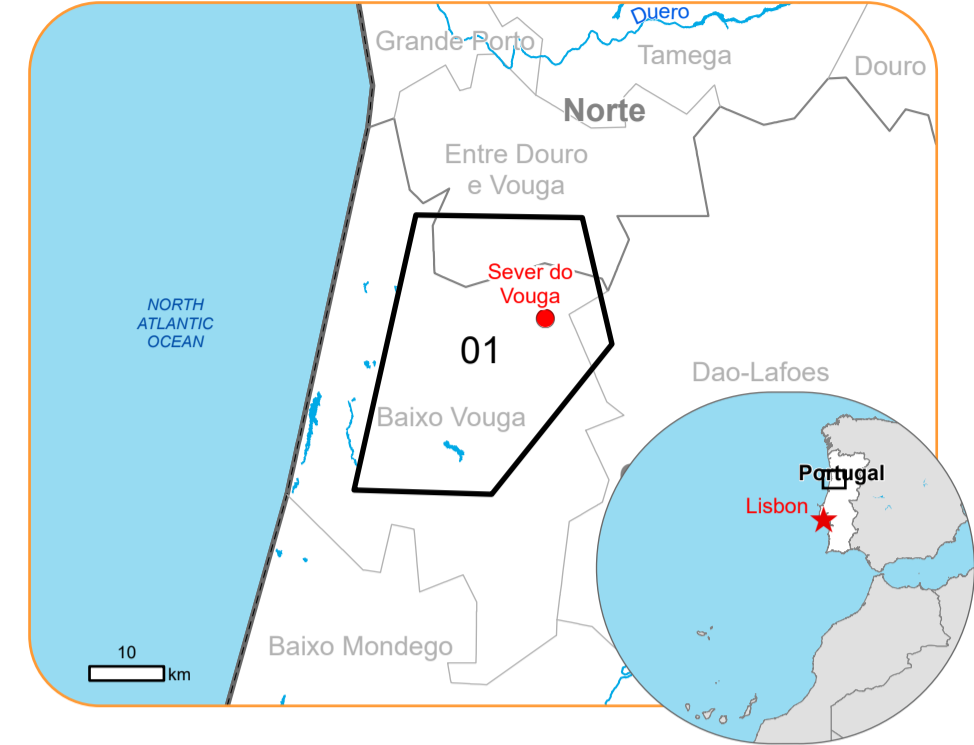


EMSR760 - AOI01  
Wildfire in Portugal  
SEVER DO VOUGA

Situation as of 17/09/2024 11:23 UTC  
Delineation - Overview map 01





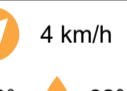

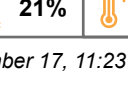
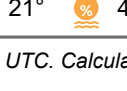
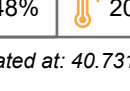
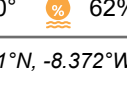

Active Flames 122 No.  
Fire Fronts 13.7 km  
Burnt area 15,572.8 ha

Potentially affected population ~ 2900

Potentially Affected Built-up and Transportations

Built-Up 74.8 ha  
Road 635.7 km  
Railway 9.7 km

- Crisis Information**
- Active Flames
  - Fire Fronts
  - 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
  - Navigable canal
- Transportation**
- Helipad
  - Water or Aquatic infrastructure

	Current		Forecast	
	17 September 11:23 UTC	18 September 11:23 UTC	19 September 11:23 UTC	20 September 11:23 UTC
Wind direction and speed	 13 km/h	 16 km/h	 4 km/h	
Temperature and relative Humidity	 28°  21%	 21°  48%	 20°  62%	

Data retrieved from ECMWF on September 17, 11:23 UTC. Calculated at: 40.731°N, -8.372°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. In the fire combat are actually present 1300 operationals, 460 vehicles and 12 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 11:24 UTC, resolution 10.0 m).  
Post-event image: WorldView-3 © Maxar, Technologies, Inc. (2024), (acquired on 17/09/2024 at 11:23 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 by means of visual interpretation. Due to dense smoke, the burnt area delineation is not complete.

Map produced by Telespazio Iberica released by SERTIT on the 17/09/2024.

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		15,572.8
Fire Fronts	km		13.7
Active Flames	No.		122
Estimated population	Number of inhabitants	~ 2,900	~ 210,000
Built-up	Residential Buildings	ha 66.8	9,356.3
	Industrial buildings	ha 8.0	2,113.2
Transportation	Navigable canals	ha 0	5.0
	Helipad	ha 0	0.2
	Navigable canals	km 0	7.2
	Highways	km 58.8	313.0
	Primary Road	km 24.5	375.5
	Secondary Road	km 16.5	241.7
	Local Road	km 111.6	2,800.6
	Cart Track	km 424.2	2,465.5
	Long-distance railways	km 9.7	183.0
Facilities	Settling Basin	ha 1.1	17.2
	Dams	ha 0	1.8
	Constructions for mining or extraction	ha 25.1	61.6
	Power plant constructions	ha 0	8.2
	Sport and recreation constructions	ha 10.9	253.3
	Other civil engineering works not elsewhere classified	ha 0	49.9
	Long-distance pipelines, communication and electricity lines	km 52.0	631.1
	Local pipelines and cables	km 8.6	75.7
Land use	Dams	km 0	1.3
	Forests	ha 8,916.5	36,352.6
	Shrub and/or herbaceous vegetation association	ha 5,665.0	15,399.6
	Heterogeneous agricultural areas	ha 733.9	18,716.0
	Other	ha 189.1	11,251.2
	Arable land	ha 68.3	11,495.6
	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	351.9

**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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