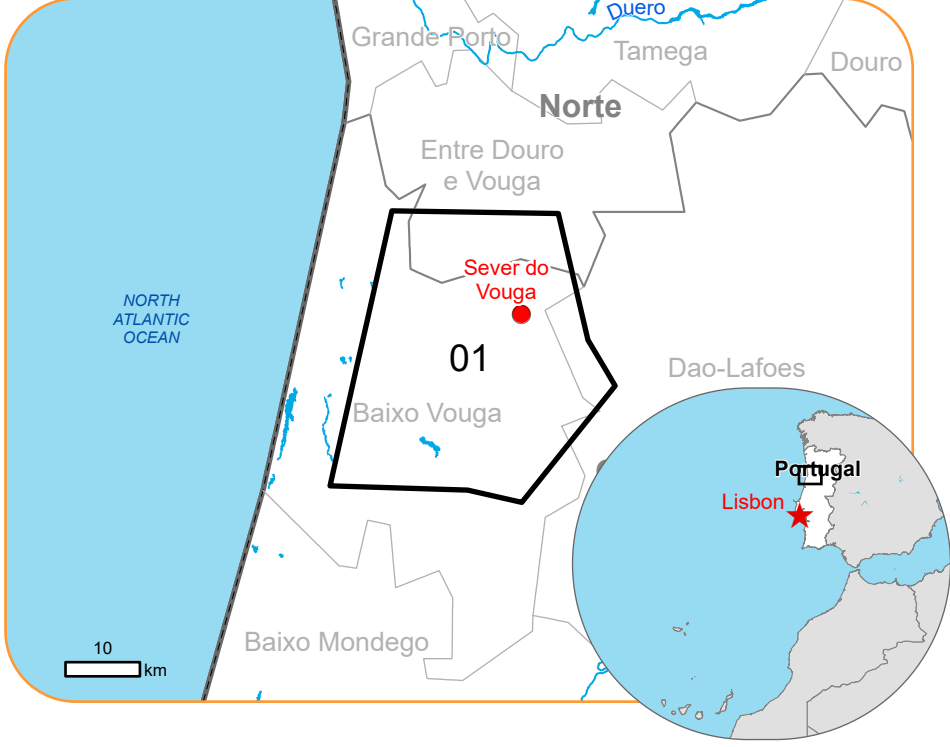




EMSR760 - AOI01
Wildfire in Portugal
SEVER DO VOUGA

Situation as of 18/09/2024 11:14 UTC
Delineation MONIT01 - Overview map 01



Active Flames 55 No.
Fire Fronts 3.4 km
Burnt area 20,203.8 ha




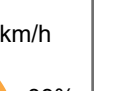
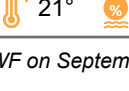


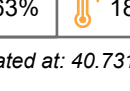
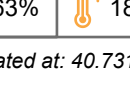
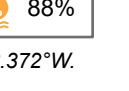
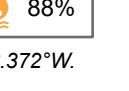

Potentially affected population
~ 3900

Potentially Affected Built-up and Transportations

Built-Up 107.0 ha
Road 810.7 km
Railway 10.2 km

Crisis Information

- Active Flames
- Fire Fronts
- Burnt area
- 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	
	18 September 11:14 UTC	19 September 11:14 UTC	20 September 11:14 UTC	21 September 11:14 UTC
Wind direction and speed	 14 km/h	 5 km/h	 7 km/h	 7 km/h
Temperature and relative Humidity	 21°  49%	 20°  63%	 18°  88%	 18°  88%

Data retrieved from ECMWF on September 18, 11:14 UTC. Calculated at: 40.731°N, -8.372°W.

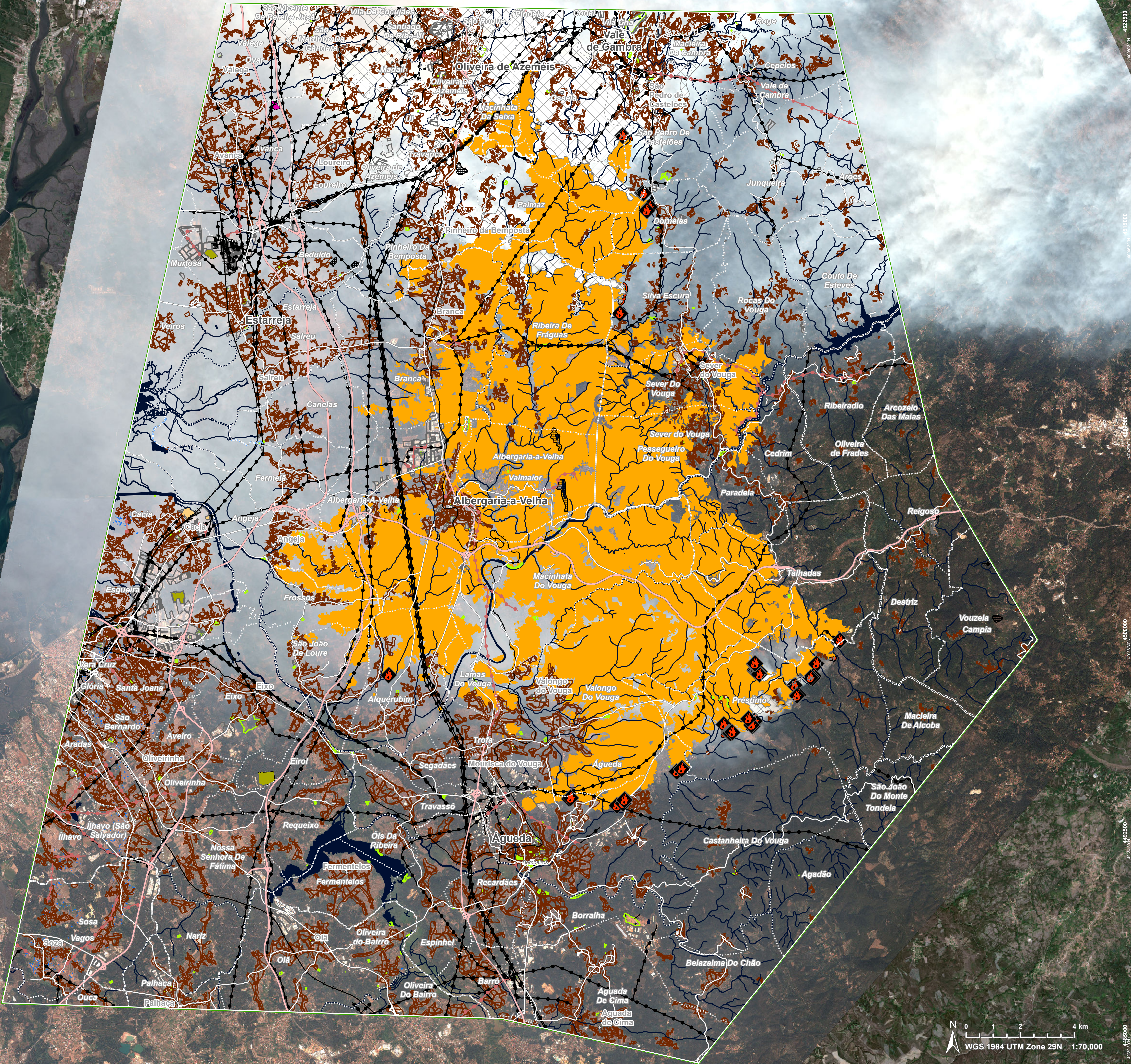
Event On the 15 September 2024, a wildfire started in the municipalities of Oliveira de Azeméis, Sever do Vouga and Albergaria-a-Velha, in Aveiro region. The fire expanded rapidly due to the high temperature and strong winds. In the fire combat are actually present 1300 operationals, 460 vehicles and 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 11:21 UTC, resolution 10.0 m).
Post-event image: WorldView-2 © Maxar Technologies, Inc. (2024), (acquired on 18/09/2024 at 11:14 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 18/09/2024.

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



0 1 2 4 km
WGS 1984 UTM Zone 29N 1:70,000

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		20,203.8
Fire Fronts		km		3.4
Active Flames		No.		55
Estimated population	Number of inhabitants		~ 3,900	~ 220,000
Built-up	Residential Buildings	ha	94.5	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	60.6	322.9
	Primary Road	km	34.8	402.6
	Secondary Road	km	19.7	270.8
	Local Road	km	151.2	2,998.5
	Cart Track	km	544.4	2,850.1
	Long-distance railways	km	10.2	183.0
Facilities	Settling Basin	ha	1.1	17.2
	Dams	ha	0	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	74.9	659.7
	Local pipelines and cables	km	10.1	75.7
	Dams	km	0.2	1.5
Land use	Forests	ha	11,430.3	43,421.4
	Shrub and/or herbaceous vegetation association	ha	7,540.1	21,650.2
	Heterogeneous agricultural areas	ha	907.6	20,358.2
	Other	ha	230.4	11,673.2
	Arable land	ha	95.4	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



PROGRAMME OF THE
EUROPEAN UNION

