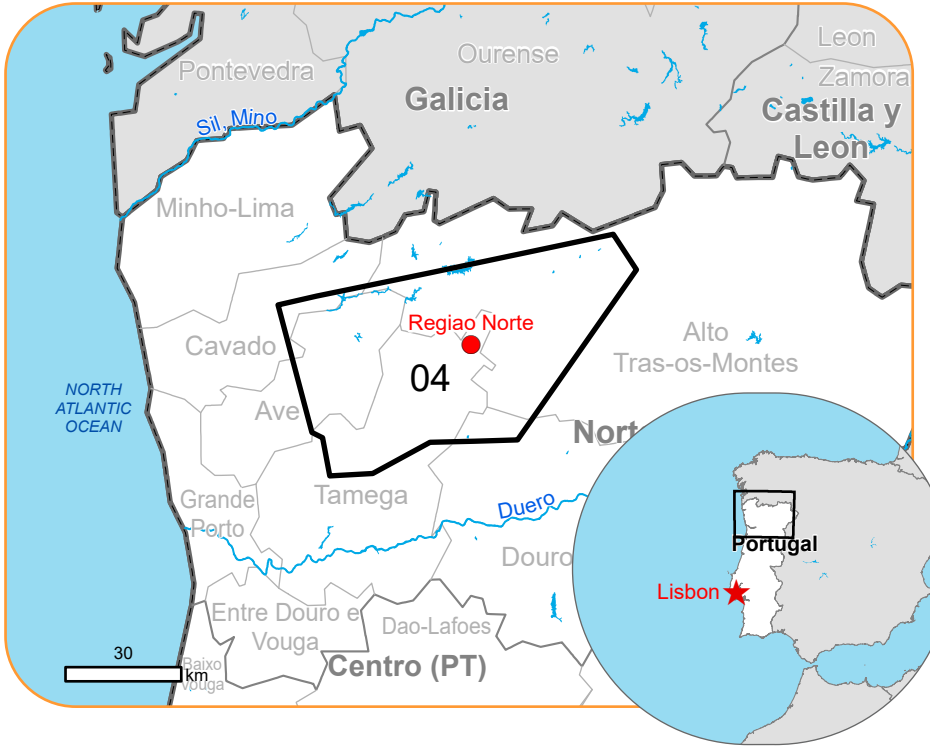




EMSR760 - AOI04
Wildfire in Portugal
REGIAO NORTE

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



Burnt area
17,258.5 ha



Potentially affected
population
~ 1900

Potentially Affected Built-up and Transportations



Railway
12.4 km



Road
666.5 km



Built-Up
95.2 ha

Crisis Information

- Burnt area
- Area of Interest
- Not Analysed

General Information

- Region
- Province

Administrative Boundaries

- Placename

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
- Highway
- Main road
- Railway
- Airfield runway
- Airfield
- Helipad

Full data available in the vector package

	Forecast		
	Current	Sep 19, 11:01 UTC	Sep 20, 11:01 UTC
Wind direction and speed	 7 km/h	 2 km/h	 12 km/h
Temperature and relative Humidity	 23°  49%	 19°  73%	 19°  68%

Data retrieved from ECMWF on Sep 19, 11:01 UTC. Calculated at: 41.617°N, -7.873°E.

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: GeoEye © Maxar Technologies, Inc. (2024), (acquired on 19/09/2024 at 11:19 UTC, resolution 2 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.

Map produced by GMV 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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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		17,258.5
Estimated population	Number of inhabitants		~ 1,900	~ 330,000
Built-up	Residential Buildings	ha	93.2	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	2.0	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	6.1	367.4
	Primary Road	km	24.1	827.6
	Secondary Road	km	11.6	791.1
	Local Road	km	87.7	5,394.5
	Cart Track	km	537.0	12,776.9
Facilities	Long-distance railways	km	12.4	103.8
	Settling Basin	ha	0	3.1
	Dams	ha	0	11.2
	Constructions for mining or extraction	ha	81.5	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	105.9	1,329.0
Land use	Local pipelines and cables	km	1.5	174.2
	Dams	km	0.03	2.8
	Shrub and/or herbaceous vegetation association	ha	12,823.5	145,205.2
	Forests	ha	2,138.1	52,814.2
	Heterogeneous agricultural areas	ha	1,106.9	94,352.3
	Open spaces with little or no vegetation	ha	844.8	7,237.2
	Other	ha	207.6	15,594.1
	Arable land	ha	88.6	22,648.4
	Pastures	ha	35.8	2,976.4
	Permanent crops	ha	13.3	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 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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Digital Elevation Model (DEM) (Airbus,2020).



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