

 EMSR824 - AOI02  
Wildfire in Portugal  
PONTE DA BARCA

Situation as of 31/07/2025 10:39 UTC  
Delineation MONIT01 - Overview map 01



 Active Flames 10 No.  
Fire Fronts 1.0 km  
Burnt area 4,772.1 ha

 Potentially affected population  
~ 20

Potentially Affected Built-up and Transportations

 Road  
40.7 km

 Built-Up  
1.5 ha

- Crisis Information**

  - Active Flames
  - Fire Fronts
  - Burnt area
  - Previous burnt area

**General Information**

  - Area of Interest
  - Detail map
  - Not Analysed

**Placenames**

  - Placename

**Built-Up Area**

  - Residential
  - Non residential
  - School, university and research buildings
- Hydrography**




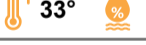

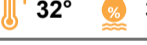

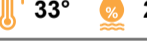

  - Lake, River

**Facilities**

  - Long-distance pipelines or lines
  - Local pipelines or lines
  - Dam
  - Power plant
  - Sport and recreation constructions
  - Water or Aquatic infrastructure
  - Dam

**Transportation**

  - Main road
  - Local road
  - Track

	Current	Forecast	
	Jul 31, 10:39 UTC	Aug 01, 10:39 UTC	Aug 02, 10:39 UTC
Wind direction and speed	 10 km/h	 10 km/h	 10 km/h
Temperature and relative Humidity	 33°  27%	 32°  30%	 33°  26%

Data retrieved from ECMWF on Jul 31, 10:39 UTC. Calculated at: 41.785°N, -8.15°E.

**Event** Since 27th July the number of wildfires in Portugal has continued to increase, with 60 active incidents currently reported. Three of these fires have been burning for over 24 hours. Due to the persistence of the fires in Arouca and Ponte da Barca, EMS Copernicus activation is being requested. Copernicus EMS Rapid Mapping is requested to provide fire extent and monitoring.

**Data sources and analysis:** Pre-event image: Sentinel-2 (2025) (acquired on 24/07/2025 at 11:21 UTC, resolution 10 m).  
Post-event image: SPOT6/7 © Airbus DS (2025), (acquired on 31/07/2025 at 10:39 UTC, resolution 1.5 m). This image is used as background image.

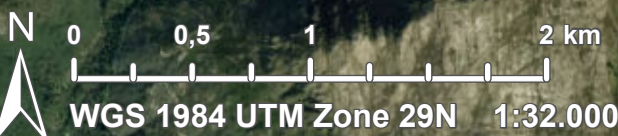
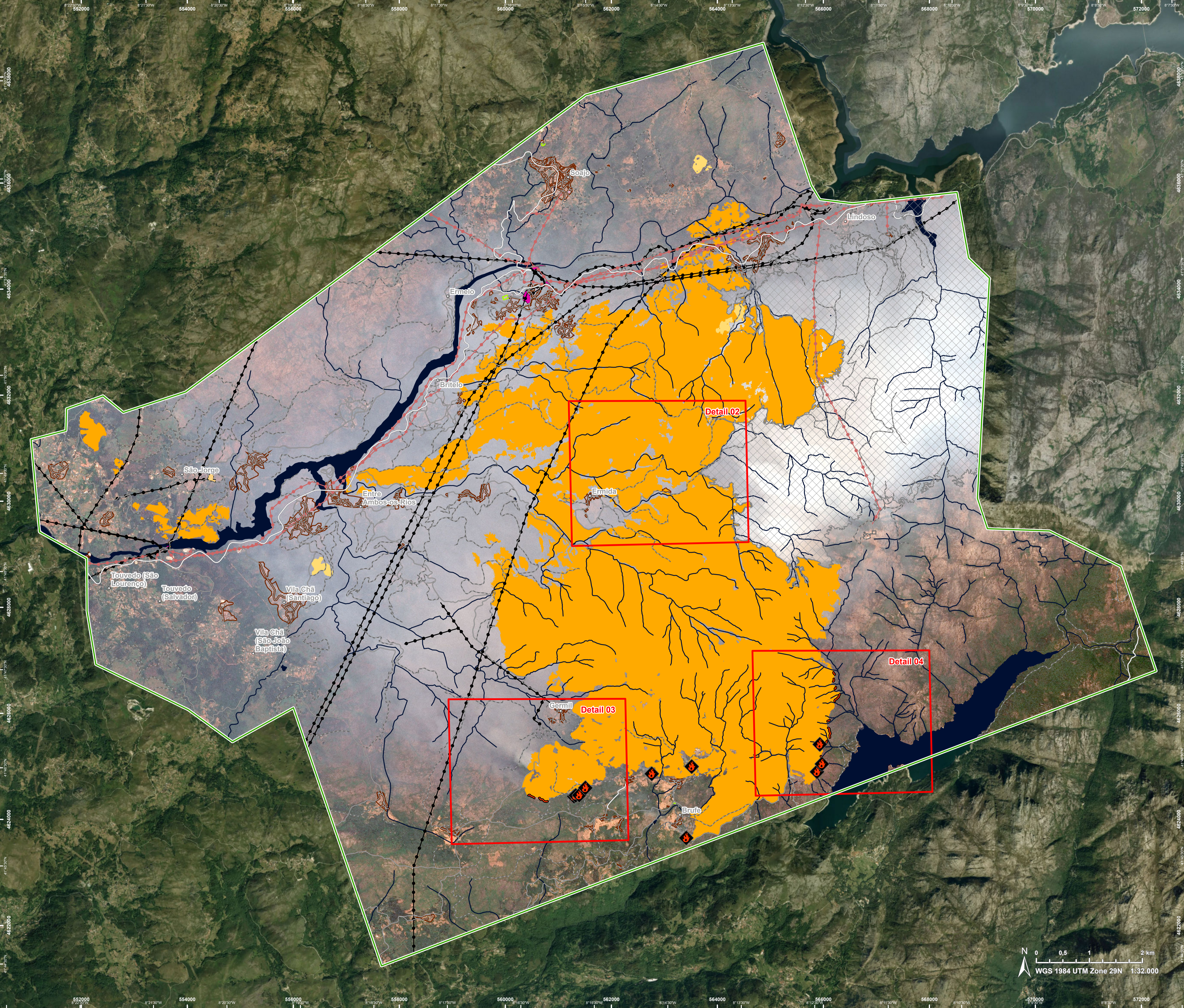
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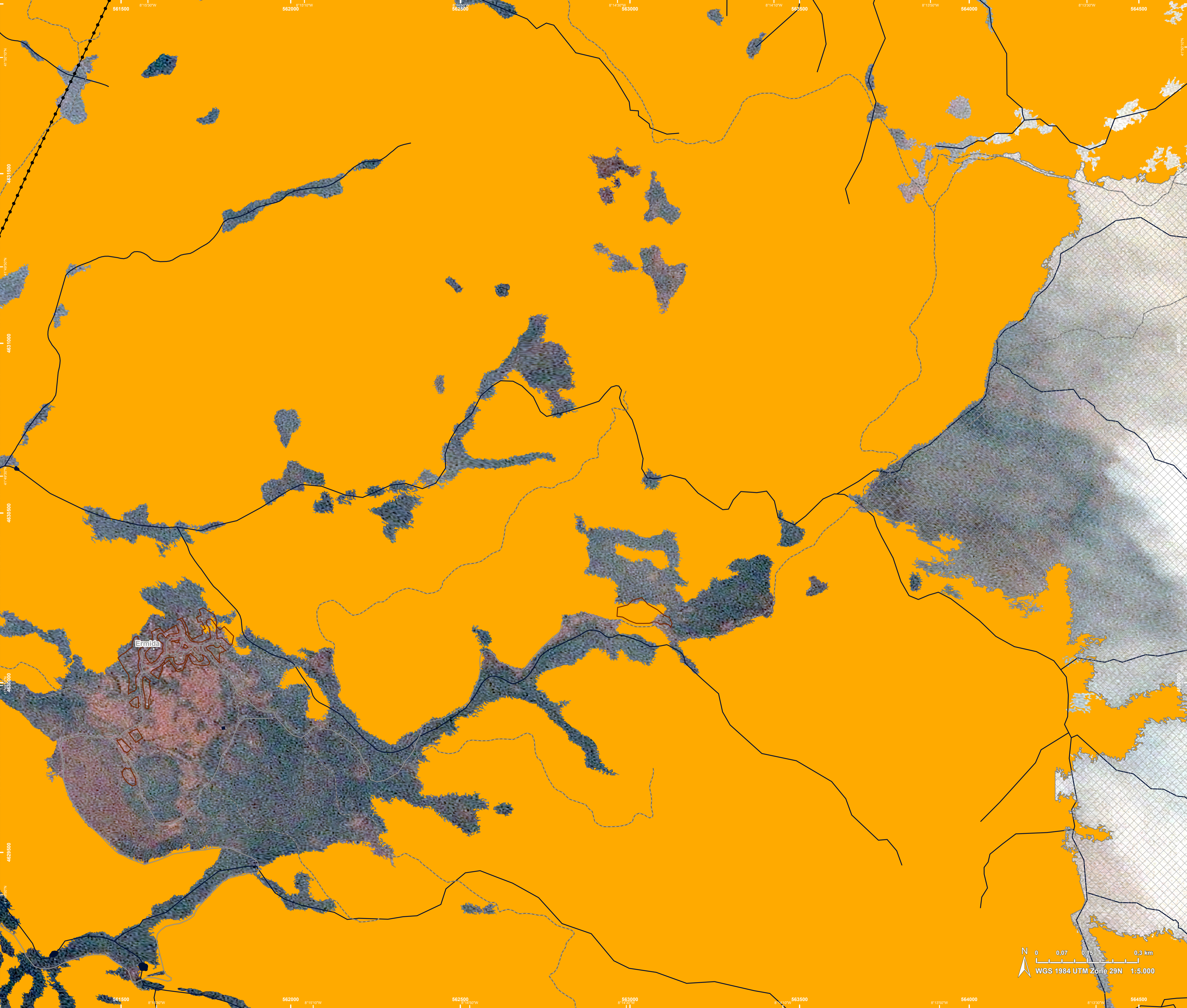
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Due to dense smoke, the burnt area delineation is not complete. Active flames and fire fronts are visible in the smoke even if the burnt area couldn't be properly delineated.

The current burnt area cumulates all burnt area extents from previous post-event products.

Map produced by e-GEOS released by e-GEOS on the 31/07/2025.

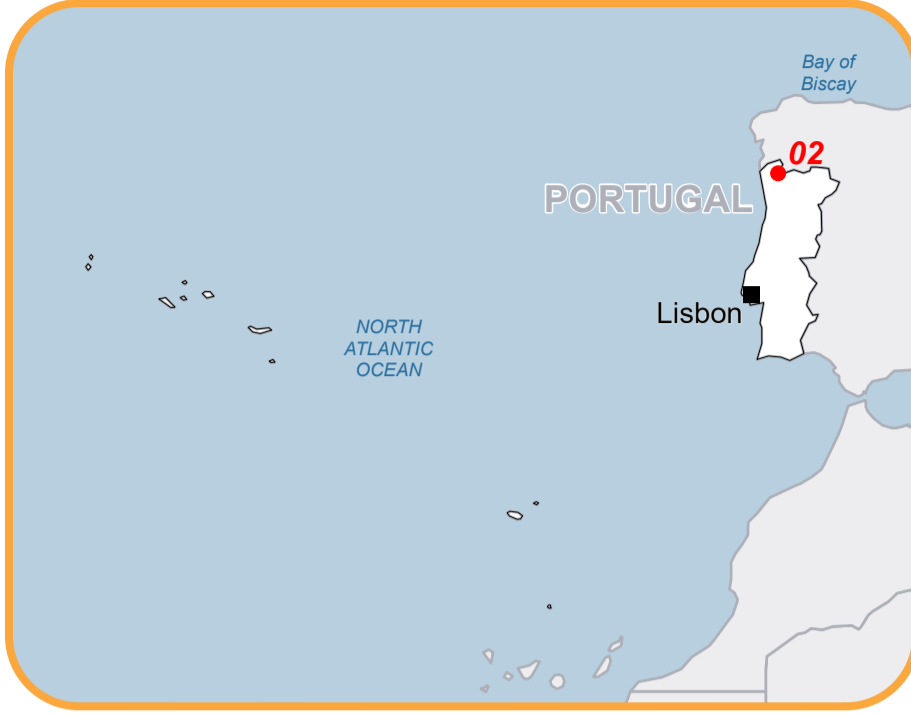
Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR824>





EMSR824 - AOI02  
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PONTE DA BARCA

Situation as of 31/07/2025 10:39 UTC  
Delineation MONIT01 - Detail map 02



- Crisis Information**

  - Burnt area

**General Information**

  - Area of Interest
  - Not Analysed

**Placenames**

  - Placename

**Built-Up Area**

  - Residential
  - Non residential
- Hydrography**









  - Lake, River

**Facilities**

  - Long-distance pipelines or lines

**Transportation**

  - Local road
  - Track

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Situation as of 31/07/2025 10:39 UTC


Delineation MONIT01 - Detail map 03




- Crisis Information

 Active Flames


 Fire Fronts


 Burnt area

General Information


 Area of Interest

Placenames


 Placename
- Built-Up Area


 Residential


Facilities









 Long-distance pipelines or lines

Transportation

 Main road

 Local road

 Track

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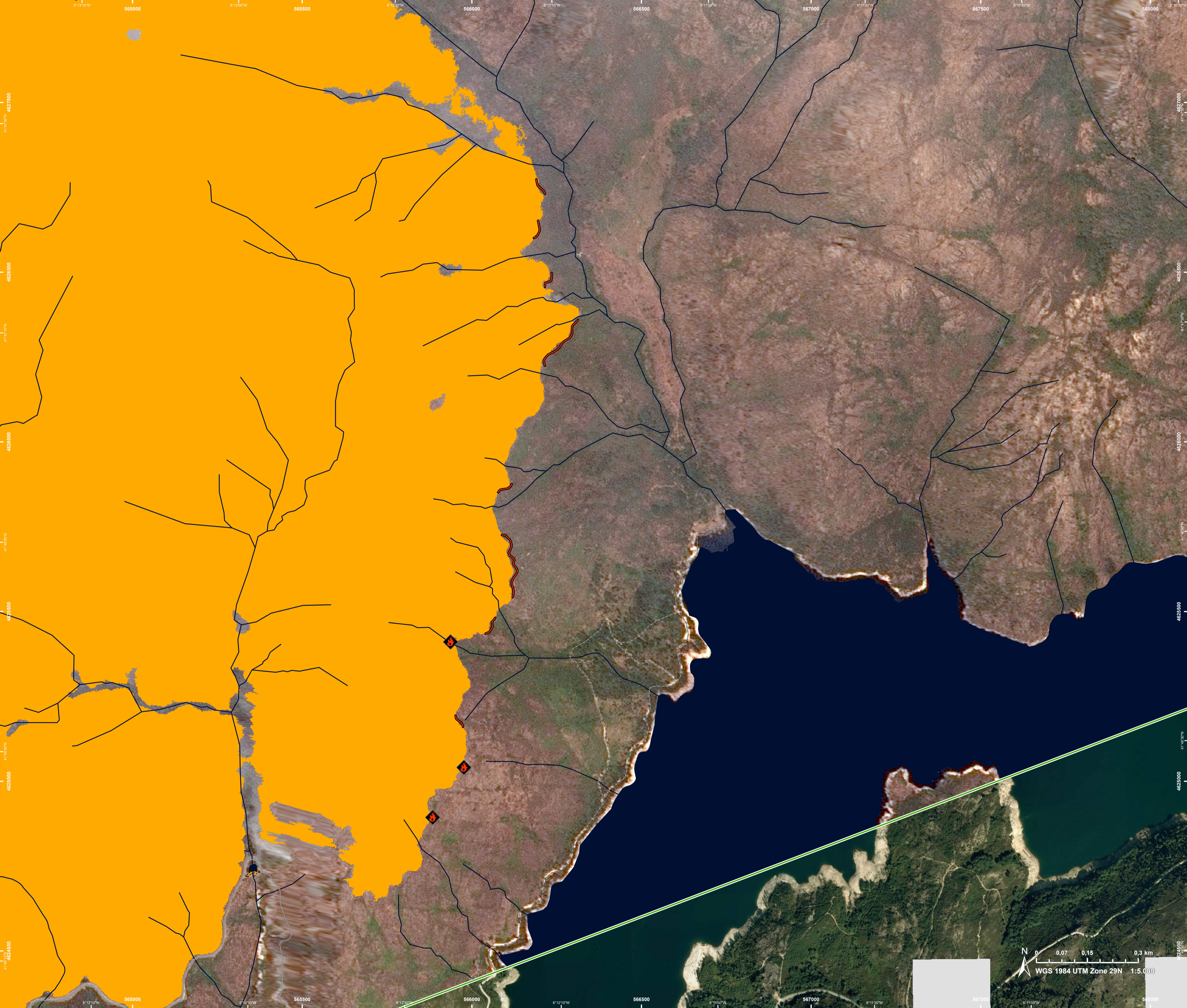
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Delineation MONIT01 - Detail map 04




Crisis Information

 Active Flames


 Fire Fronts


 Burnt area

General Information


 Area of Interest


Hydrography









 Lake, River

 Dam

Transportation

 Local road

 Track

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PROGRAMME OF THE  
EUROPEAN UNION



Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		4.772,1
Fire Fronts		km		1,0
Active Flames		No.		10
Estimated population	Number of inhabitants		~ 20	~ 4.000
Built-up	Residential Buildings	ha	1,5	184,1
	Office buildings	ha	0	0,6
	Industrial buildings	ha	0	4,1
	School, university and research buildings	ha	0	0,1
	Cemetery	ha	0	1,2
Transportation	Primary Road	km	0,4	23,1
	Secondary Road	km	0	8,1
	Local Road	km	3,8	206,3
	Cart Track	km	36,5	326,5
Facilities	Settling Basin	ha	0	1,4
	Dams	ha	0	0,4
	Power plant constructions	ha	0	6,5
	Sport and recreation constructions	ha	0	0,9
	Long-distance pipelines, communication and electricity lines	km	14,1	84,8
	Local pipelines and cables	km	3,8	52,4
	Dams	km	0	0,2
Land use	Shrub and/or herbaceous vegetation association	ha	4.474,4	14.808,8
	Open spaces with little or no vegetation	ha	149,7	913,0
	Forests	ha	93,1	1.765,9
	Heterogeneous agricultural areas	ha	44,3	1.894,8
	Pastures	ha	10,4	374,0
	Other	ha	0,2	535,0
	Arable land	ha	0	96,1

**Disclaimer:**

Full disclaimer and other helpful information available in the online manual:  
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>  
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**Data Access:**

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), 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 (2025); Wikimapia.org; GeoNames 2015; Corine Land Cover (CLC) 2018; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

**Digital Elevation Model:**

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30



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