



Active Flames 13 No.
Fire Fronts 0.4 km
Burnt area 4,937.6 ha

Potentially affected population
~ 700

Potentially Affected Built-up and Transportations

Built-Up
14.5 ha

Road
50.2 km

- Crisis Information**
 - Active Flames
 - Fire Fronts
 - Burnt area**General Information**
 - Area of Interest
 - Not Analysed**Administrative Boundaries**
 - Municipality**Placenames**
 - Placename**Built-Up Area**
 - Residential
 - Non residential**Hydrography**
 - Lake, River
- Facilities**
 - Long-distance pipelines or lines
 - Local pipelines or lines
 - Acqueduct
 - Dam
 - Mining or extraction site
 - Water Well
 - Power plant
 - Sport and recreation constructions
 - Water or Aquatic infrastructure
 - Dam**Transportation**
 - Highway
 - Main road
 - Local road
 - Track

	Forecast		
	Current	22 Aug 11:53 UTC	23 Aug 11:53 UTC
Wind direction and speed	21 Aug 11:53 UTC 4 km/h	2 km/h	4 km/h
Temperature and relative Humidity	24° 67%	23° 70%	23° 66%

Data retrieved from ECMWF on Aug 21, 11:53 UTC. Calculated at: 32.725°N, -17.089°W.

Event: On the 14 August 2024 wildfire is reported to have affected the Sera de Aqua region in the central part of the Madeiran Island. The event is increasing and already burnt area of over 3000 ha, covering the municipalities of Ribeira Brava and Câmara de Lobos. 120 Regiao Autonoma Madeira operational personnel and reinforcement of 76 from FOCON (National Command) are fighting the fire. Over 100 people have been evacuated. Therefore, adverse weather conditions present and forecast for the coming days and the potential for spread to neighbouring municipalities. Copernicus EMS Rapid Mapping is requested to provide wildfire extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: SPOT6 © Airbus DS (2024), (acquired on 19/07/2024 at 11:29 UTC, resolution 1.5 m). Post-event image: Pléiades-1B © CNES (2024), distributed by Airbus DS (acquired on 21/08/2024 at 11:53 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 using a semi-automatic approach.

Map produced by Telespazio Iberica released by SERTIT on the 21/08/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR748>



Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		4,937.6
Fire Fronts		km		0.4
Active Flames		No.		13
Estimated population		Number of inhabitants	~ 700	~ 24,000
Built-up	Residential Buildings	ha	14.5	900.9
	Office buildings	ha	0	0.02
	Industrial buildings	ha	0	3.7
	Military	ha	0	0.1
Transportation	Highways	km	0	3.0
	Primary Road	km	1.8	57.0
	Secondary Road	km	9.5	79.9
	Local Road	km	9.1	210.5
	Cart Track	km	29.9	300.9
Facilities	Dams	ha	0	0.02
	Constructions for mining or extraction	ha	0.1	24.6
	Power plant constructions	ha	0	14.3
	Sport and recreation constructions	ha	0.1	9.9
	Other civil engineering works not elsewhere classified	ha	0	0.3
	Long-distance pipelines, communication and electricity lines	km	2.8	26.7
	Local pipelines and cables	km	0	0.1
	Aqueducts, irrigation and cultivation waterworks	km	0.1	14.7
	Dams	km	0	1.0
Land use	Shrub and/or herbaceous vegetation association	ha	3,705.4	13,190.1
	Forests	ha	1,038.9	7,942.7
	Heterogeneous agricultural areas	ha	161.3	1,807.8
	Other	ha	31.0	1,469.5
	Open spaces with little or no vegetation	ha	1.0	74.2
	Permanent crops	ha	0	7.4

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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