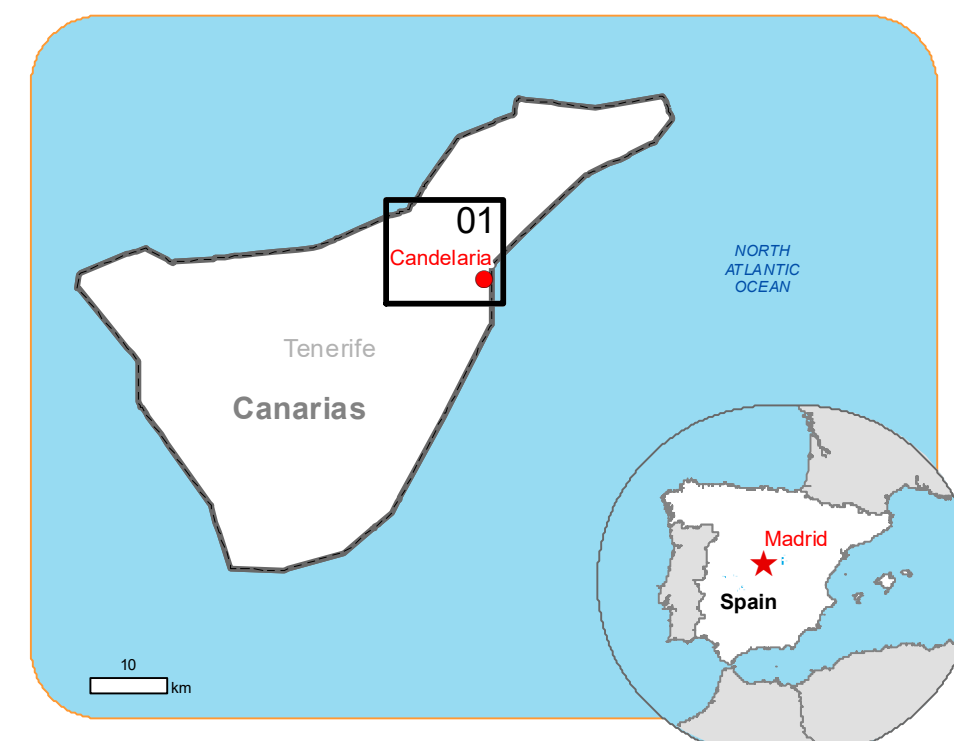


**EMSR685 - AOI01**  
**Wildfire in Spain**  
**CANDELARIA**

**Situation as of 18/08/2023 11:52 UTC**  
Delineation - Overview map 01



**Active Flames 68 No.**  
**Fire Fronts 17.2 km**  
**Burnt area 5,874.1 ha**

**Potentially affected population ~ 80**

**Potentially Affected Built-up, Transportations and Facilities**

**Built-Up 70 No.**  
**Road 189.8 km**  
**Facilities 4.5 km 0.0 ha**

- Crisis Information**

  - Active Flames
  - Fire Fronts
  - Burnt area

**General Information**

  - Area of Interest

**Administrative boundaries**

  - Municipality

**Placenames**

  - Placename

**Built-Up Area**



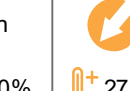
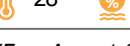





  - Residential
  - Non residential
  - Reservoirs, silos and warehouses
  - School, university and research buildings
  - Hospital or institutional care buildings
  - Unclassified
- Hydrography**

  - Coastline
  - Stream
  - Waterfall
  - Lake
  - Open Water
  - Reservoir

**Facilities**

  - Long-distance pipelines or lines
  - Local pipelines or lines
  - 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
  - Railway

	Current		Forecast	
	19 August 11:52 UTC	20 August 11:52 UTC	21 August 11:52 UTC	
Wind direction and speed	 5 km/h	 7 km/h	 6 km/h	
Temperature and relative Humidity	 28°  28%	 26°  50%	 27°  31%	

Data retrieved from ECMWF on August 19, 00:40 UTC. Calculated at: 28°19'55"N, 16°33'54"E.

**Event** On the evening of the 15 August 2023, a forest fire started on the island of Tenerife (Canary Islands). The event is on-going and has already affected the municipalities of Arafo and Candelaria with the risk of spreading to other municipalities. Copernicus EMS Rapid Mapping is requested to provide fire extent and damage assessment emergency mapping.

**Data sources and analysis:** Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 17/11/2022, resolution 0.6 m).  
Post-event image: Sentinel-2A/B (2023) (acquired on 18/08/2023 at 11:52 UTC, resolution 20.0 m). This image is used as background and is displayed in False Colour Composite (SWIR - Short Wave InfraRed, NIR - Near InfraRed and Red spectral bands) to allow identification of the burnt areas under the smoke.  
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), 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.

Population data: GHS Population Grid © European Commission, 2023  
[https://ghsl.jrc.ec.europa.eu/ghs\\_pop2023.php](https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php)

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by CLS released by e-GEOS on the 25/08/2023.

Details on this activation and service conditions available through the QR code or at the link:  
<https://rapidmapping.emergency.copernicus.eu/EMSR685>





Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		5 874,1
Active Flames		No.		68
Fire Fronts		km		17,2
Estimated population	Number of inhabitants		~ 80	~ 65 000
Built-up	Residential Buildings	No.	7	11 221
	Office buildings	No.	0	94
	Administrative	No.	0	13
	Institutional	No.	0	1
	Wholesale and retail trade buildings	No.	0	103
	Industrial buildings	No.	3	538
	Reservoirs, silos and warehouses	No.	0	445
	Public entertainment buildings	No.	0	5
	School, university and research buildings	No.	0	55
	Hospital or institutional care buildings	No.	0	6
	Non-residential farm buildings	No.	31	1 682
	Buildings used as places of worship and for religious activities	No.	0	34
	Other buildings not elsewhere classified	No.	0	285
	Hotel buildings	No.	0	5
	Communication buildings, stations, terminals and associated buildings	No.	0	370
	Garage buildings	No.	0	1
	Unclassified	No.	29	3 297
Transportation	Highways	km	0,0	35,5
	Primary Road	km	20,8	45,6
	Secondary Road	km	8,2	61,9
	Local Road	km	0,2	304,5
	Cart Track	km	160,5	660,0
	Long-distance railways	km	0,0	0,1
Facilities	Settling Basin	ha	0,0	0,9
	Breakwater	ha	0,0	0,9
	Dams	ha	0,0	0,2
	Constructions for mining or extraction	ha	0,0	52,7
	Power plant constructions	ha	0,0	6,6
	Sport and recreation constructions	ha	0,0	39,0
	Long-distance pipelines, communication and electricity lines	km	4,5	120,2
	Local pipelines and cables	km	0,0	0,1
	Dams	km	0,0	0,3
Land use	Forests	ha	4 952,9	7 638,7
	Open spaces with little or no vegetation	ha	807,8	3 996,8
	Shrub and/or herbaceous vegetation association	ha	104,2	2 217,0
	Heterogeneous agricultural areas	ha	4,6	2 112,7
	Arable land	ha	4,5	1 090,6
	Permanent crops	ha	0,1	1 339,9
	Pastures	ha	0,0	29,6
	Other	ha	0,0	3 021,6

**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 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



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