

EMSR859 - AOI03
Wildfires In The Biobio And Nuble Regions, Chile
SANTA BARBARA

Situation as of 22/01/2026 14:37 UTC
Delineation MONIT01 - Overview map 01












Active Flames 11 No.
Fire Fronts 1.4 km
Burnt area 8,502.8 ha

Potentially affected population ~ 700

Potentially Affected Built-up and Transportations

Built-Up 279.1 ha
Road 163.4 km

- Crisis Information**
- Active Flames
 - Fire Fronts
 - Burnt area
- General Information**
- Area of Interest
 - Image Footprint
 - Not Analysed
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
 - Hospital or institutional care buildings
- Hydrography**
- Lake, River
- Facilities**
- Dam
 - Power plant
 - Sport and recreation constructions
 - Dam
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Airfield runway
 - Airfield
 - Helipad

	Current		Forecast	
	22 January 14:37 UTC	23 January 14:37 UTC	23 January 14:37 UTC	24 January 14:37 UTC
Wind direction and speed	 10 km/h	 20 km/h	 8 km/h	
Temperature and relative Humidity	 23°  43%	 25°  42%	 25°  46%	

Data retrieved from ECMWF on January 22, 15:32 UTC. Calculated at: -36.677°N, -72.554°E.

Event: A major wildfire event in Chile began on 16 January 2026, with multiple large fires igniting in the Nuble and Biobio regions amid extreme heat, strong winds, and drought conditions. The fires remain active. So far, authorities report at least 19 deaths and mass evacuations as emergency efforts continue. Copernicus EMS Rapid Mapping is requested to provide wildfire extent emergency mapping.

Data sources and analysis:
Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 27/02/2025, resolution 2.5 m). This image is used as background image.
Post-event image: Sentinel-2 (2026) (acquired on 22/01/2026 at 14:37 UTC, resolution 10.0 m).
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The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

Map produced by CLS released by e-GEOS on the 23/01/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR859>

Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	Imagery-based observation
Crisis information	Burnt area		ha	8 502,8
	Fire Fronts		km	1,4
	Active Flames		No.	11

Estimated population		Inhabitants		POTENTIALLY AFFECTED	Total in AOI
		No.		~ 700	~ 49 000
Assets	Built-up	Residential Buildings	ha	278,4	974,2
		Wholesale and retail trade buildings	ha	0	1,2
		Industrial buildings	ha	0,7	49,6
		School, university and research buildings	ha	0	5,8
		Hospital or institutional care buildings	ha	0	1,6
		Other non-residential buildings	ha	0	5,0
		Cemetery	ha	0	5,4
	Transportation	Airfield runways	ha	0	17,8
		Helipad	ha	0	0,03
		Airfield runways	km	0	2,2
		Highways	km	0	75,5
		Primary Road	km	3,9	180,2
		Secondary Road	km	0	65,8
		Local Road	km	56,3	1 054,7
		Cart Track	km	103,1	1 458,5
	Facilities	Long-distance railways	km	0	47,0
		Dams	ha	0	0,2
		Power plant constructions	ha	7,4	9,0
		Sport and recreation constructions	ha	0	39,5
		Dams	km	0,1	0,4
	Land use	Forests	ha	4 953,5	58 677,8
		Shrub and/or herbaceous vegetation association	ha	1 737,0	32 422,7
		Heterogeneous agricultural areas	ha	1 731,4	28 597,1
		Inland wetlands	ha	79,4	904,7
		Other	ha	1,5	1 566,5
		Open spaces with little or no vegetation	ha	0,03	338,4

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.

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 (2026); Wikimapia.org; GeoNames 2015;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Digital Elevation Model:
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30
Digital Elevation Model (DEM) (Airbus, 2020).

