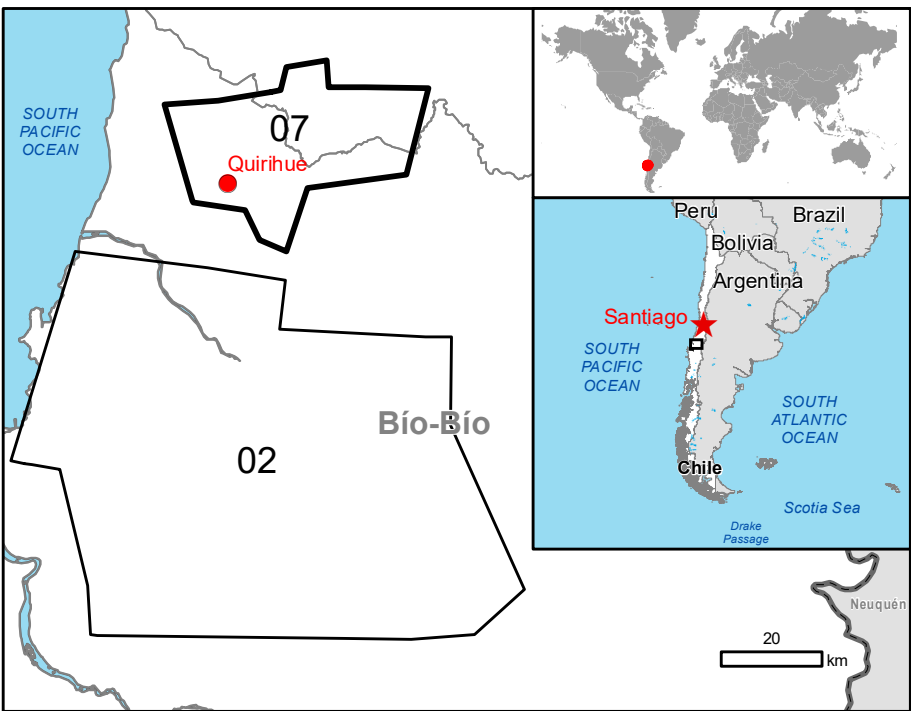


GLIDE number: N/A Activation ID: EMSR647
Int. Charter Act. ID: N/A Product N.: 07QUIRIHUE, v1

Quirihue - CHILE

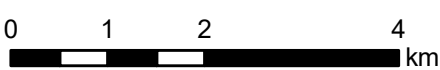
Wildfire - Situation as of 07/02/2023

Delineation - Overview map 01



Cartographic Information

1:78000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 18S map coordinate system
Tick marks: WGS 84 geographical coordinate system



Legend

Crisis Information	Placenames	Facilities
Active Flames	Place name	Power plant construction
Burnt Area	Built-Up Area	Sport and recreation constructions
Area of Interest	Residential	Transportation
Detail map	Hydrography	Primary Road
Administrative boundaries	River	Secondary Road
Municipality	Stream	Local Road
	Lake	Land Use - Land Cover
	Land Subject to Inundation	Features available in the vector package

Consequences within the AOI			
		Unit of measurement	Affected
		ha	Total in AOI
Burnt area		ha	13 474.3
Active Flames		No.	17
Estimated population	Number of inhabitants	No.	11 832
Built-up	Residential Buildings	ha	0.0
Transportation	Primary Road	km	2.8
	Secondary Road	km	0.0
	Local Road	km	19.0
	Cart Track	km	45.4
Facilities	Power plant constructions	ha	0.0
	Sport and recreation constructions	ha	0.0
Land use	Heterogeneous agricultural areas	ha	2 801.0
	Forests	ha	7 980.8
	Shrub and/or herbaceous vegetation association	ha	3 073.0
	Wetland wetlands	ha	9.6
	Other	ha	0.0

Map Information

In the last weeks (January- February 2023), Chile was heavily affected by serious forest fires/wild fires. On 5 January Chile requested support from UCPM Member States/ Participating States to limit the consequences of the destructive fires. The EMS Copernicus service for satellite maps was triggered in support to operations in the affected areas.

The present map shows the fire delineation in the area of Quirihue (Chile). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:50000. The estimated geometric accuracy (RMSE) is 20 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq m.

Relevant date records (UTC)

Event	05/02/2023 00:00	Situation as of	07/02/2023 14:37
Activation	05/02/2023 20:28	Map production	08/02/2023

Data sources

Pre-event image: Sentinel-2A/B (2023) (acquired on 03/01/2023 at 14:37 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) provided under COPENICUS by the European Union and ESA.
Post-event image: Sentinel-2A/B (2023) (acquired on 07/02/2023 at 14:37 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) provided under COPENICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Copernicus Global Land Service: Land Cover (2019), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
The current Burnt Area Delineation cumulates all burnt area extents from previous post-event products.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by SERTIT released by e-GEOS (ODO).

For the latest version of this map and related products visit
<https://emergency.copernicus.eu/EMSR647>

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