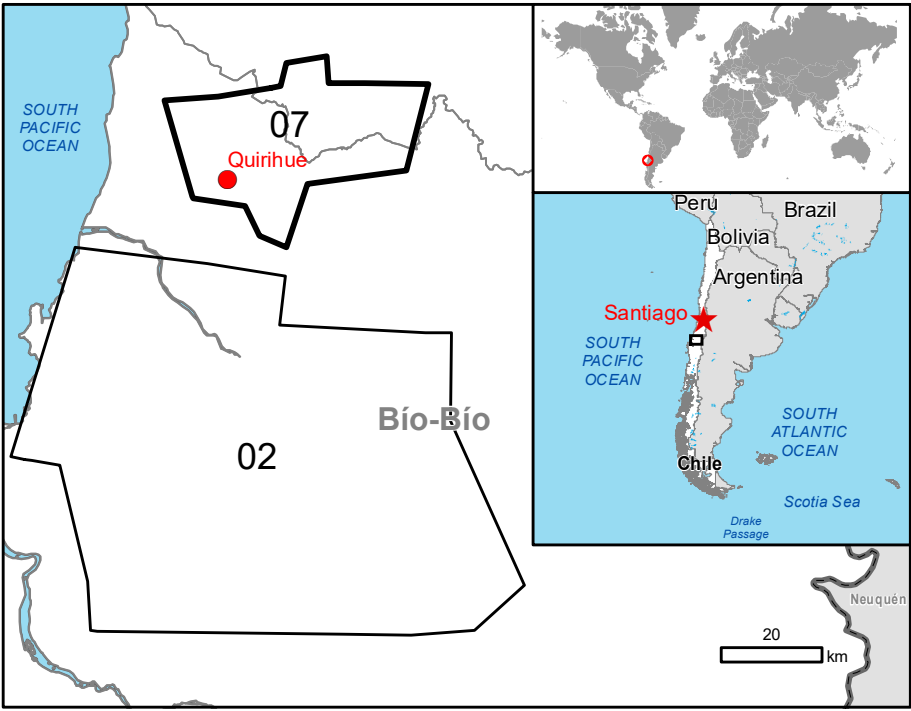


GLIDE number: N/A Activation ID: EMSR647
Int. Charter Act. ID: N/A Product N.: 07QUIRIHUE_v2

Quirihue - CHILE

Wildfire - Situation as of 09/02/2023

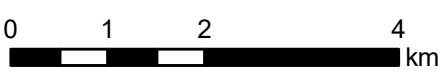
Delineation MONIT01 - Overview map 01



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	Placename	Power plant construction
Fire Fronts	Built-Up Area	Sport and recreation constructions
Burnt Area	Residential	Primary Road
Area of Interest	School, university and research	Secondary Road
Image Footprint	Other non-residential	Local Road
Not Analysed	Cemetery	Land Use - Land Cover
Administrative boundaries	Hydrography	Features available in the vector package
Municipality	River	Lake
	Stream	Land Subject to Inundation
	Lake	
	Land Subject to Inundation	

Consequences within the AOI		Unit of measurement		Affected	Total in AOI
Burnt area		ha		15 599.4	
Active Flames		No.		0	
Fire Fronts		km		0.9	
Estimated population		Number of inhabitants		0	11 832
Built-up	Residential Buildings	ha	0.0	111.8	
	School, university and research buildings	ha	0.0	1.6	
	Other non-residential buildings	ha	0.0	30.3	
	Cemetery	ha	0.0	2.6	
Transportation	Primary Road	km	2.5	67.5	
	Secondary Road	km	0.0	0.6	
	Local Road	km	29.3	498.1	
	Power plant constructions	ha	0.0	17.9	
Facilities	Sport and recreation constructions	ha	0.0	0.2	
	Heterogeneous agricultural areas	ha	1 645.0	36 586.3	
	Forests	ha	8 968.8	41 502.1	
	Shrub and/or herbaceous vegetation association	ha	3 940.1	28 270.1	
Land use	Inland wetlands	ha	9.6	25.6	
	Other	ha	0.0	225.8	

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 12.5 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	09/02/2023 14:13
Activation	05/02/2023 20:28	Map production	10/02/2023

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 COPERNICUS by the European Union and ESA.
Post-event image: SPOT6/7 @ Airbus DS (2023), (acquired on 09/02/2023 at 14:13 UTC, GSD 1.5 m, approx. 0% cloud coverage in AOI, 23° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

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 (ODD).

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

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