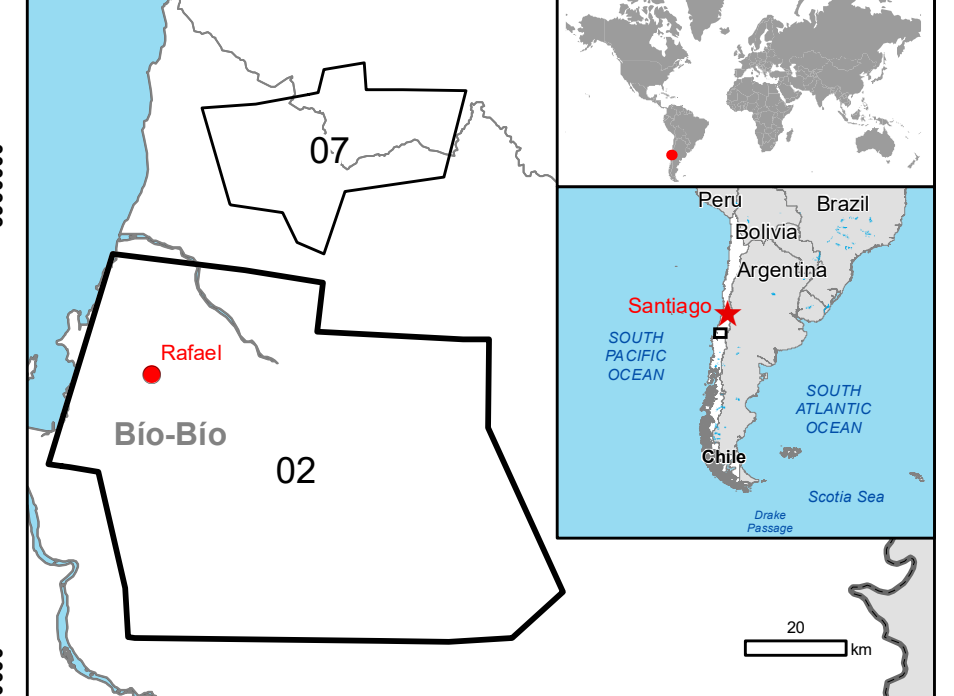


Rafael - CHILE

Wildfire - Situation as of 17/02/2023

Delineation MONIT04 - Overview map 01



Cartographic Information

1:150000
Full color A1, 200 dpi resolution

0 2 4 8 km

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

Legend	
Crisis Information	Placenames
Burnt Area	Placename
General Information	Built-Up Area
Area of Interest	Residential
Administrative boundaries	Hydrography
Province	River
Municipality	Stream
	Lake
	Land Subject to Inundation
	Reservoir
	Transportation
	Highway
	Primary Road
	Secondary Road
	Long-distance railway
	Airfield runway
	Land Use - Land Cover
	Features available in the vector package

Consequences within the AOI		Unit of measurement		Affected	Total in AOI
Burnt area		ha		4,035	71,786.7
Estimated population		Number of inhabitants		3.5	412,668
Built-up	Residential Buildings	ha		0.8	2,890.7
Transportation	Airfield runways	km		54.1	494.6
	Highways	km		42.9	1,037.6
	Primary Road	km		16.2	147.6
	Secondary Road	km		16.0	164.8
	Long-distance railways	km		0.6	33.2
Facilities	Settling Basin	ha		0.0	0.0
	Dams	ha		0.2	0.6
	Constructions for mining or extraction	ha		0.0	139.6
	Power plant constructions	ha		0.3	64.4
	Sport and recreation constructions	ha		0.0	51.7
	Other civil engineering works not elsewhere classified	ha		12,998.7	209,062.5
Land use	Heterogeneous agricultural areas	ha		49,383.1	252,643.4
	Forests	ha		9,161.5	89,940.2
	Shrub and/or herbaceous vegetation association	ha		0.0	433.1
	Open spaces with little or no vegetation	ha		85.1	2,850.4
	Inland wetlands	ha		158.2	9,191.8
	Other	ha			

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 Rafael (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	17/02/2023 14:37
Activation	05/02/2023 20:28	Map production	18/02/2023

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 17/02/2023 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.

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

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

For the latest version of this map and related products visit
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