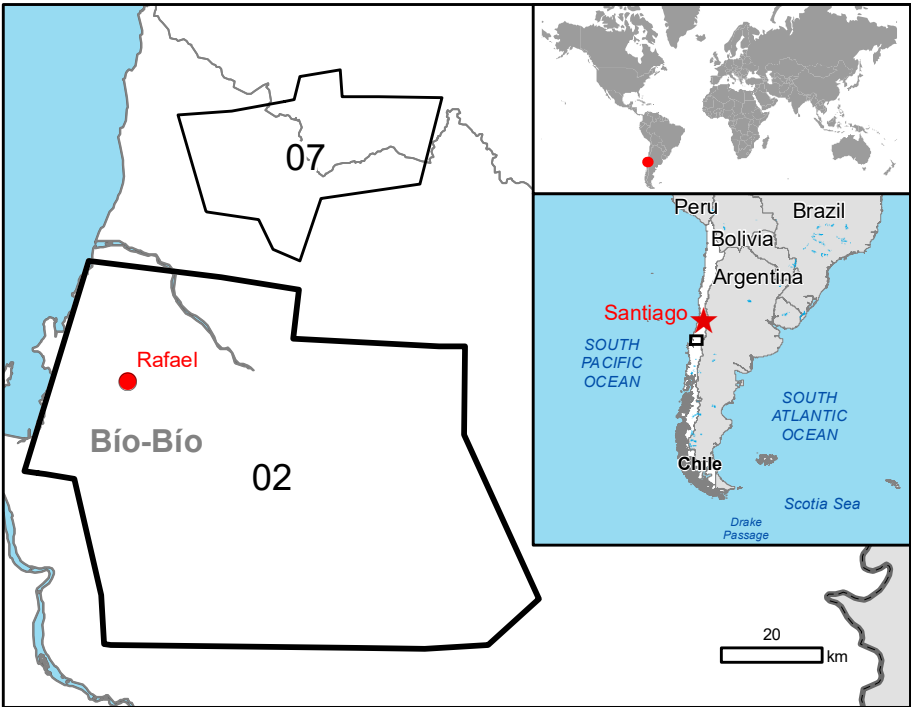


Rafael - CHILE

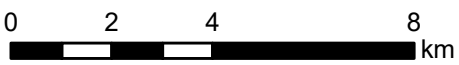
Wildfire - Situation as of 11/02/2023

Delineation MONIT02 - Overview map 01



Cartographic Information

1:150000 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

- Active Flames

General Information

- Burnt Area
- Area of Interest
- Image Footprint
- Not Analysed

Administrative boundaries

- Province
- Municipality

Placenames

- Placename

Built-Up Area

- Residential

Hydrography

- River
- Stream
- Lake
- Land Subject to Inundation
- Reservoir

Facilities

- Construction for mining or extraction
- Power plant construction
- Sport and recreation constructions
- Dump Site
- Dam
- Settling Basin

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	No	65,165.1
Active Flames			No	2
Estimated population		Number of inhabitants	3,533	412,668
Built-up	Residential Buildings	ha	3.4	2,360.7
	Airfield runways	km	0.8	1.4
	Highways	km	54.1	484.5
	Primary Road	km	40.3	1,027.8
	Secondary Road	km	15.7	147.6
Transportation	Long-distance railways	km	13.9	164.8
	Settling Basin	ha	0.6	33.2
Facilities	Dams	ha	0.0	0.0
	Constructions for mining or extraction	ha	0.2	0.6
	Power plant constructions	ha	0.0	139.6
	Sport and recreation constructions	ha	0.3	64.4
	Other civil engineering works not elsewhere classified	ha	0.0	51.7
	Heterogeneous agricultural areas	ha	12,616.3	206,962.5
	Forests	ha	43,379.0	252,643.4
Land use	Shrub and/or herbaceous vegetation association	ha	6,935.7	89,940.2
	Open spaces with little or no vegetation	ha	0.0	43.1
	Inland wetlands	ha	82.9	2,950.4
	Other	ha	148.1	9,191.8

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 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	11/02/2023 13:59
Activation	05/02/2023 20:28	Map production	12/02/2023

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 11/02/2023 at 13:59 UTC, GSD 6.0 m, approx. 0% cloud coverage in AOI, 30° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved <GLR>

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

For the latest version of this map and related products visit
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