

Legend

Galvarino - CHILE
Wildfire - Situation as of 11/02/2023
Delineation MONIT02 - Overview map 01

Cartographic Information

1:170000 Full color A1, 200 dpi resolution

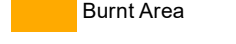
0 3.5 7 14 km

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

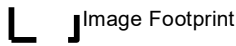
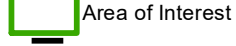
Crisis Information



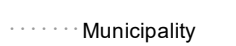
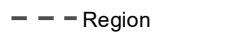
Crisis Information



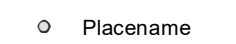
General Information



Administrative boundaries



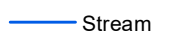
Placenames



Built-Up Area



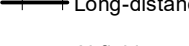
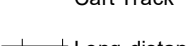
Hydrography



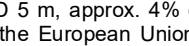
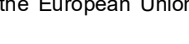
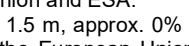
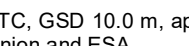
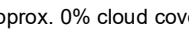
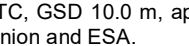
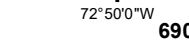
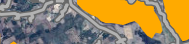
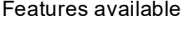
Facilities



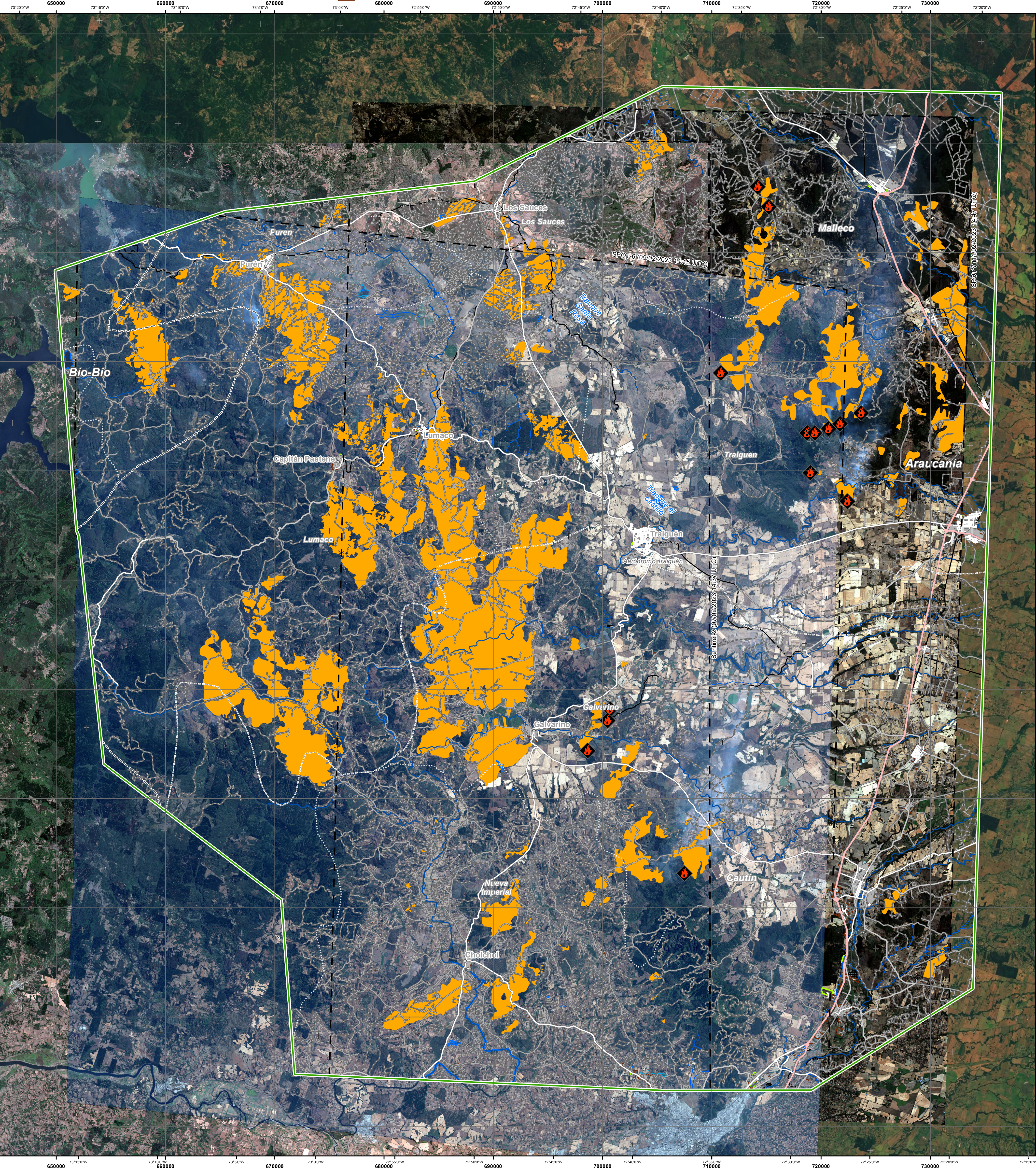
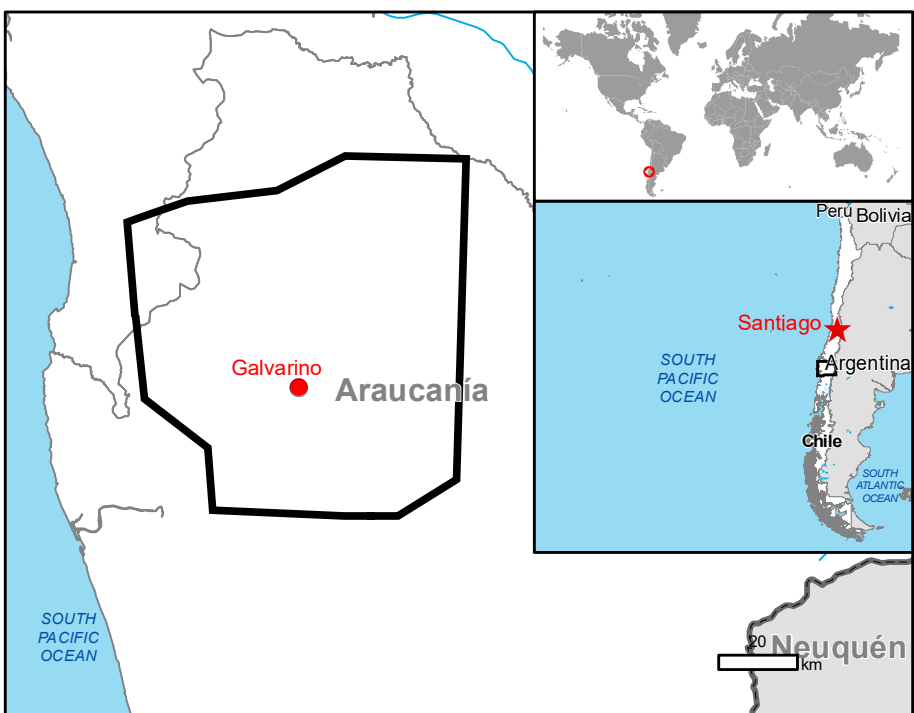
Transportation



Land Use - Land Cover



Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Burnt area		ha	718	176,193
Active flames		No	4	14
Estimated population		Number of inhabitants	718	176,193
Buildings	Residential Buildings	ha	4.4	3,003.4
	Industrial buildings	ha	0.0	443.2
	School, university and research buildings	ha	0.0	114.5
	Hospital or institutional care buildings	ha	0.0	17.3
	Military	ha	0.0	32.1
	Cemetery	ha	0.0	53.6
Transportation	Airfield runways	ha	0.0	6.6
	Airfield runways	ha	0.0	2.5
	Highways	km	0.0	226.6
	Primary Road	km	20.3	544.3
	Secondary Road	km	2.3	186.3
	Local Road	km	287.5	3,265.6
	Cart Track	km	159.0	4,414.4
	Long-distance railways	km	15.2	263.3
Facilities	Settling Basin	ha	0.0	6.3
	Construction for mining or extraction	ha	0.0	95.6
	Power plant constructions	ha	0.0	6.1
	Sport and recreation constructions	ha	0.0	293.7
	Other civil engineering works not elsewhere classified	ha	0.0	3.4
Land use	Heterogeneous agricultural areas	ha	15,621.0	265,423.5
	Forests	ha	44,145.9	343,351.1
	Shrub and/or herbaceous vegetation association	ha	4,955.4	43,271.0
	Open space with little or no vegetation	ha	0.0	2.3
	Island wetlands	ha	83.9	2,333.5
	Other	ha	7.8	3,636.5



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 Galvarino (Chile). The thematic layer has been derived from post-event satellite image by means of visual interpretation. 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.

Data sources

Pre-event image: Sentinel-2A/B (2023) (acquired on 29/12/2023 at 14:37 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.
Sentinel-2A/B (2023) (acquired on 02/02/2023 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: 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 COPERNICUS by the European Union and ESA.
SPOT6/7 © Airbus DS (2023), (acquired on 09/02/2023 at 14:15 UTC, GSD 1.5 m, approx. 0% cloud coverage in AOI, 22.4° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
SPOT6/7 © Airbus DS (2023), (acquired on 11/02/2023 at 14:47 UTC, GSD 5 m, approx. 4% cloud coverage in AOI, 32.7° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Disclaimer

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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 <https://emergency.copernicus.eu/EMSR647>

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Relevant date records (UTC)

Event	05/01/2023 00:00	Situation as of	11/02/2023 14:47
Activation	05/02/2023 20:28	Map production	12/02/2023



PROGRAMME OF THE EUROPEAN UNION

