

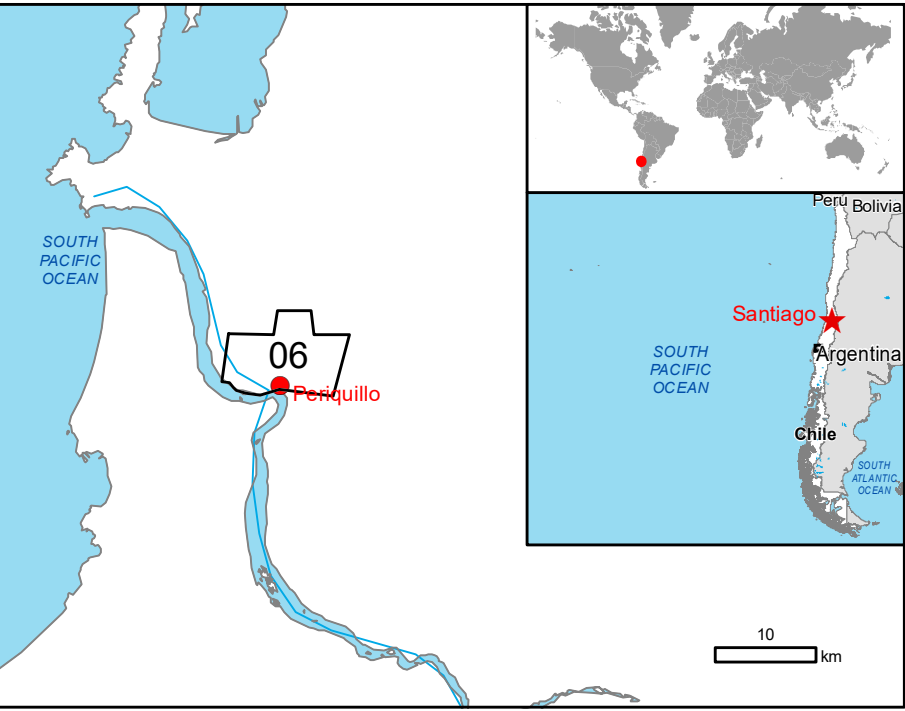
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR647
Product N.: 06PENQUILLO, v1

Penquillo - CHILE

Wildfire - Situation as of 12/02/2023

Delineation MONIT03 - Overview map 01



Cartographic Information

1:20000 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	Built-Up Area	Transportation
Active Flames	Residential	Primary Road
Burnt Area	Hydrography	Secondary Road
General Information	River	Local Road
Area of Interest	Stream	Coast Track
Not Analysed	Lake	Long-distance railway
Administrative boundaries	Facilities	Land Use - Land Cover
Municipality	Power and communication line	Features available in the vector package
	Construction for mining or extraction	
	Sport and recreation constructions	

Consequences within the AOI			
		Affected	Total in AOI
Burnt area	ha		2,190.1
Active Flames	No.		10
Estimated population		694	63,576
Built-up	ha	0.1	124.0
Transportation	km	69.0	288.0
Facilities	km	3.3	9.2
	ha	1.5	19.2
Land use	ha	2,190.1	7,454.5

Full table available in the vector package

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 Penquillo (Chile). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:25,000. The estimated geometric accuracy (RMSE) is 6.25 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 625 sq m.

Relevant date records (UTC)

Event	05/02/2023 00:00	Situation as of	12/02/2023 14:37
Activation	05/02/2023 20:28	Map production	13/02/2023

Data sources

Pre-event image: Sentinel-2B (2023) (acquired on 03/01/2023 at 14:37 UTC, GSD 10 m, approx. 0% cloud coverage in Aoi, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-2B (2023) (acquired on 12/02/2023 at 14:37 UTC, GSD 10 m, approx. 20% cloud coverage in Aoi, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), 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, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.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 GAF AG released by e-GEOS (ODO).

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

jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit <https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal>