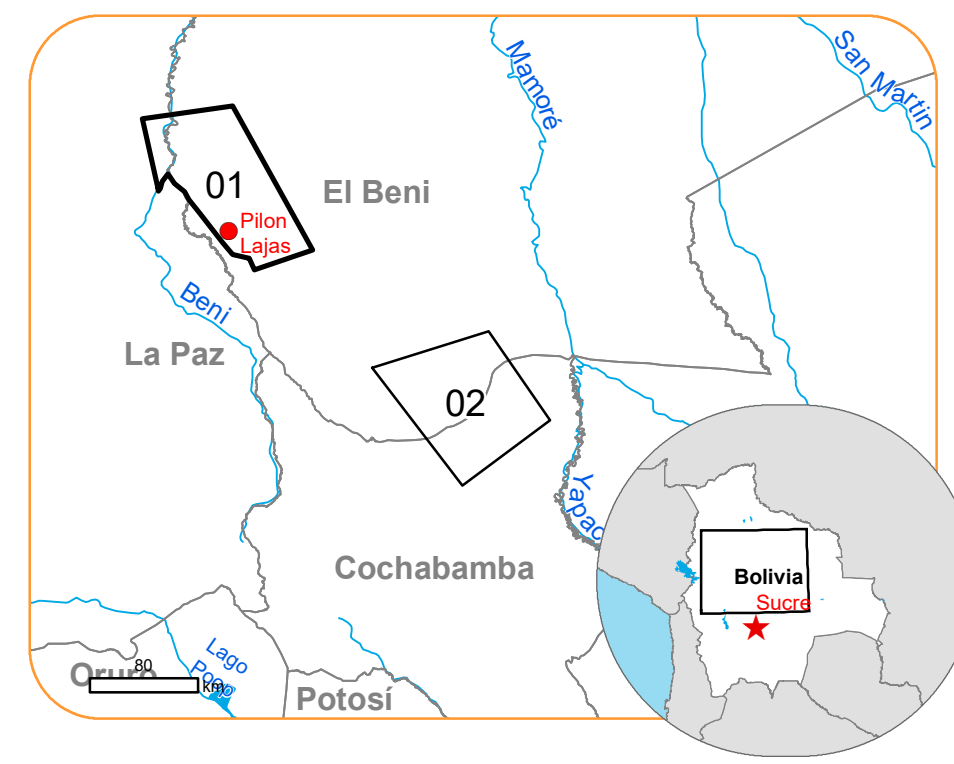


EMSR709 - AOI01
Wildfire in Bolivia
PILON LAJAS

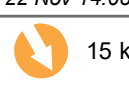

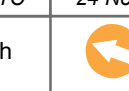

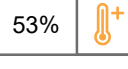

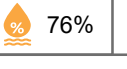

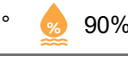
Situation as of 22/11/2023 14:08 UTC
Delineation - Overview map 01



Burnt area 4,517.3 ha
Potentially affected population ~ Not available

Potentially Affected Built-up and Transportations
Built-Up 1.4 ha
Road 1.0 km

- Crisis Information**
- Burnt area
- General Information**
- Area of Interest
 - Image Footprint
 - Not Analysed
- Administrative boundaries**
- Region
 - Province
 - Municipality
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
- Hydrography**
- River
 - Stream
 - Lake
 - Land Subject to Inundation
 - River
- Facilities**
- Long-distance pipelines or lines
 - Dump Site
 - Water or Aquatic infrastructure
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Airfield runway
 - Airfield

	Current		Forecast	
	22 Nov 14:08 UTC	23 Nov 14:15 UTC	24 Nov 14:15 UTC	
Wind direction and speed	 15 km/h	 4 km/h	 9 km/h	
Temperature and relative Humidity	 31°  53%	 27°  76%	 24°  90%	

Event:
On the 20 November 2023 at 06:00, a wildfire is reported to have affected Bolivia. The event is on-going and spreading with damage expected to affect forests and urban areas. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation and wildfire extent emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2A (2022) (acquired on 04/11/2022 at 14:37 UTC, resolution 10.0 m).
Post-event image: SPOT6 © Airbus DS (2023), (acquired on 22/11/2023 at 14:08 UTC, resolution 1.5 m). This image is used as background image.
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023).
Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010).
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023
https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

The thematic layer has been derived from post-event satellite image by using a semi-automatic approach. This mapping highlights many fires between numerous clouds. A large proportion of these fires are linked to the practice of agricultural burning. Some of these have become wildfires. Moreover, the moorland in the area has been badly affected by drought, undergoing a dramatic drop in vegetal activity. This means that is sometimes difficult to establish a limit between partially burnt and very dry moorland. The mapping is conservative.

Map produced by SERTIT released by e-GEOS on the 23/11/2023.

Details on this activation and service conditions available through the QR code or at the link:
<https://rapidmapping.emergency.copernicus.eu/EMSR709>

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		4 517.3
Estimated population	Number of inhabitants		~ 10	~ 150
Built-up	Residential Buildings	ha	1.4	3 289.0
	Industrial buildings	ha	0	31.1
	School, university and research buildings	ha	0	2.1
Transportation	Airfield runways	ha	0	154.4
	Airfield runways	km	0	6.7
	Highways	km	0	60.1
	Primary Road	km	0.01	93.9
	Secondary Road	km	0	13.1
	Local Road	km	0	281.4
	Cart Track	km	0.9	1 365.6
Facilities	Settling Basin	ha	0	1.2
	Other civil engineering works not elsewhere classified	ha	0	4.6
	Long-distance pipelines, communication and electricity lines	km	0.6	161.3
Land use	Shrub and/or herbaceous vegetation association	ha	2 551.4	156 581.7
	Forests	ha	1 584.0	576 050.1
	Heterogeneous agricultural areas	ha	381.6	47 092.0
	Other	ha	0.4	9 816.1
	Open spaces with little or no vegetation	ha	0	22.7
	Inland wetlands	ha	0	3 722.9

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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Data access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data).

The table above is available in editable format in the Crisis Information Package.

All products and data are also available for download on the portal.

Access to
the portal



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