



Situation as of 17/12/2025 10:22 UTC
Delineation - Overview map 01



Flooded area
EO-based 590.1 ha
Model-based 2,904.1 ha

Potentially affected population
~ 30

Potentially Affected Built-up and Transportations

Road
26.1 km

Built-Up
0.3 ha

Railway
0.3 km

Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00
- 2.00 to 4.00

General Information

- Area of Interest
- Detail map
- Image Footprint
- Not Analysed

Administrative Boundaries

- Province
- Municipality

Placenames

- Placename

Built-Up Area

- Residential

Non residential

- School, university and research buildings

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines
- Sport and recreation constructions

Transportation

- Highway
- Main road
- Local road
- Track
- Railway
- Airfield runway
- Helipad

Event: On the 14 December 2025, intense rainfall is reported to have a significantly affected provinces of Andrés Báñez and Sara, Bolivia. The event caused rivers to overflow. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and damage assessment emergency mapping.

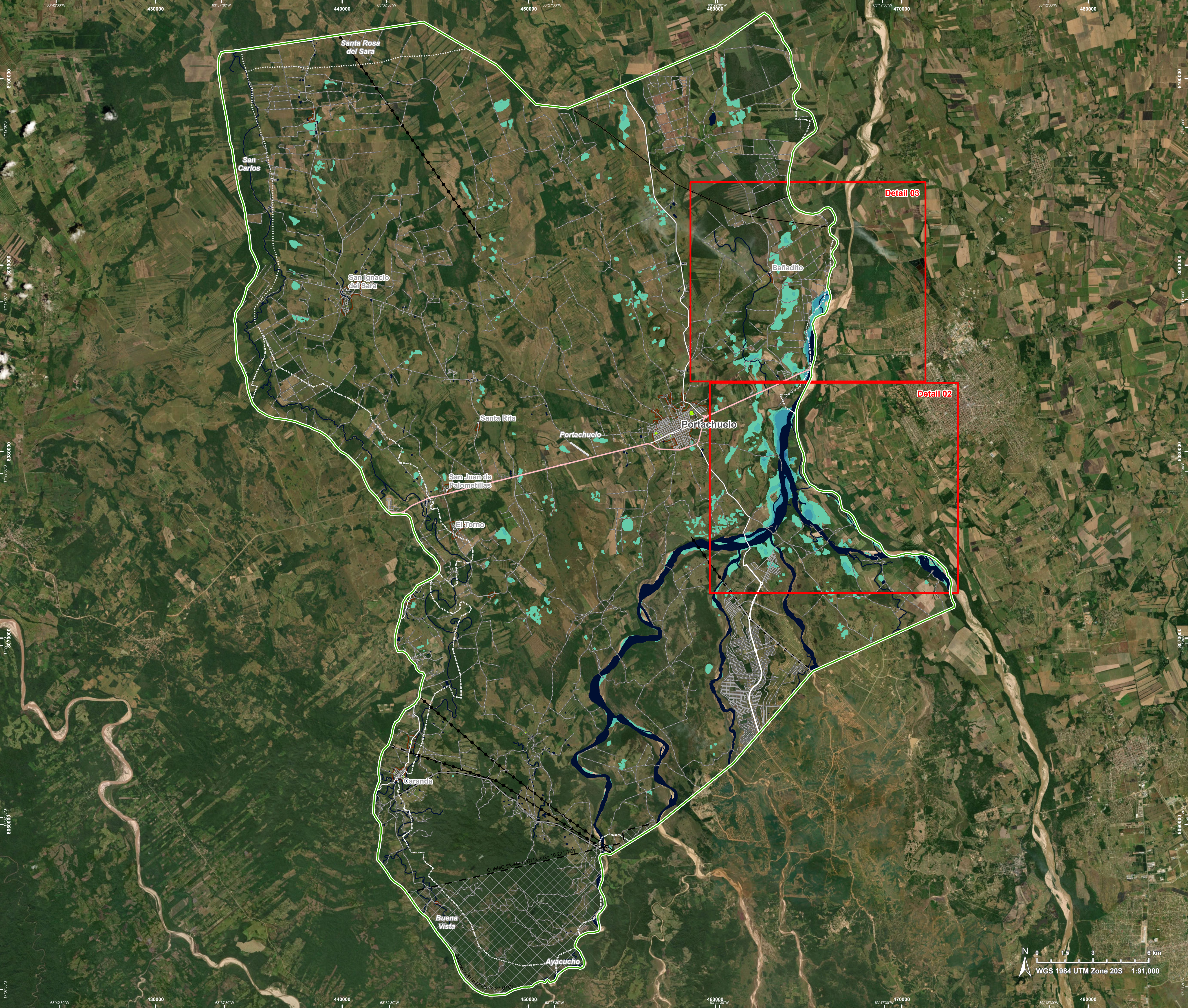
Data sources and analysis: Pre-event image: Sentinel-2 (2025) (acquired on 11/10/2025 at 14:27 UTC, resolution 10 m)
Post-event image: COSMO-SkyMed © ASI (2025), distributed by e-GEOS S.p.A. (acquired on 17/12/2025 at 10:22 UTC, resolution 15 m).
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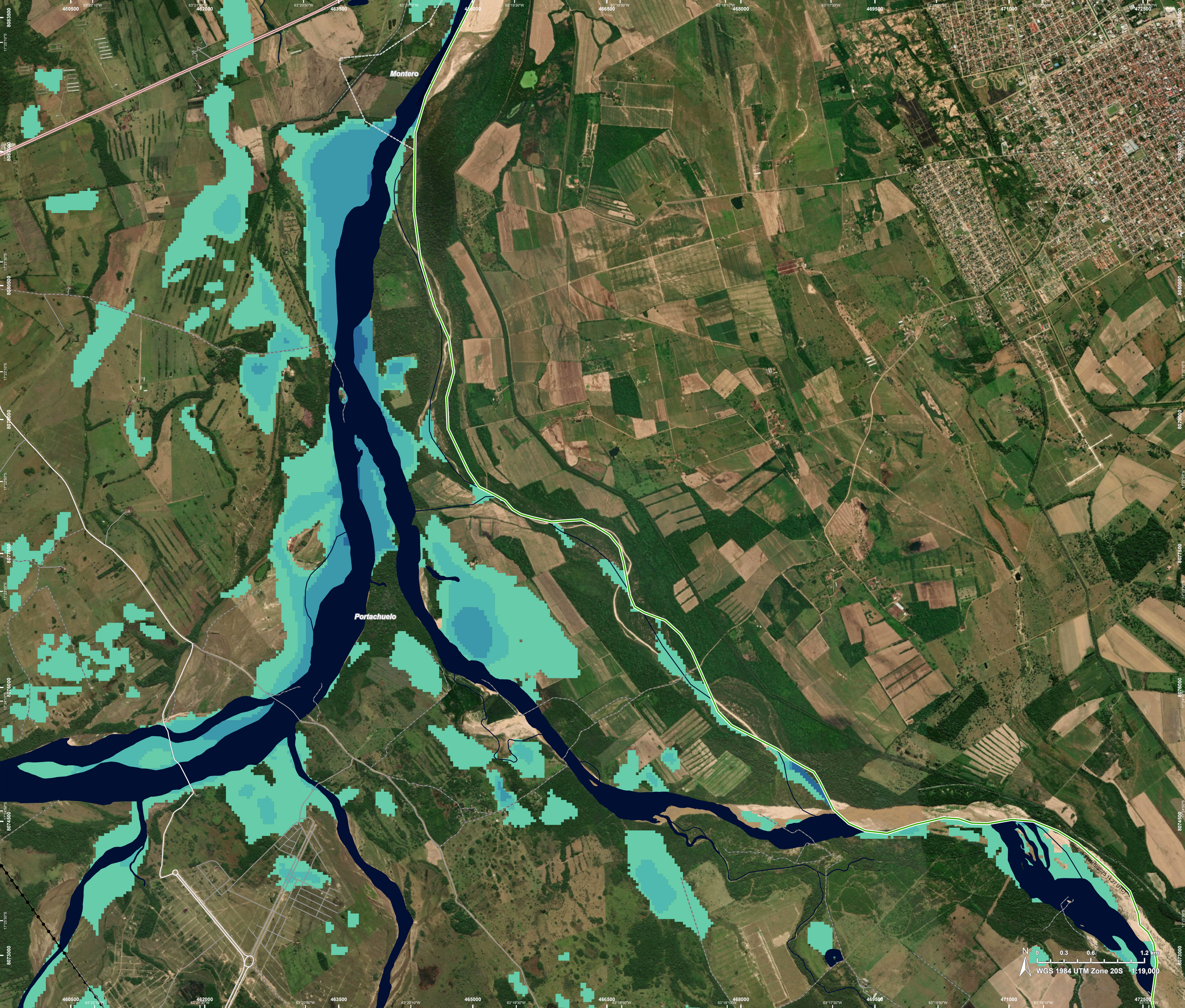
The thematic layer has been derived from post-event satellite image using a semi-automatic approach OR by means of visual interpretation (NOTE: add here comments in case of limitations of the applied methodology and/or data used, indication of any issue encountered, e.g. Due to dense smoke, the burnt area delineation is not complete). Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by ITHACA released by e-GEOS on the 18/12/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR853>





Situation as of 17/12/2025 10:22 UTC
Delineation - Detail map 02



- Estimated flood depth (m)**

 - Below 0.50
 - 0.50 to 1.00
 - 1.00 to 2.00
 - 2.00 to 4.00

General Information

 - Area of Interest
 - Image Footprint
 - Administrative Boundaries**
 - Province
- Hydrography**

 - Lake, River

Facilities

 - Long-distance pipelines or lines

Transportation

 - Highway
 - Main road
 - Local road
 - Track

Event: On the 14 December 2025, intense rainfall is reported to have a significantly affected provinces of Andrés Báñez and Sara, Bolivia. The event caused rivers to overflow. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and damage assessment emergency mapping.

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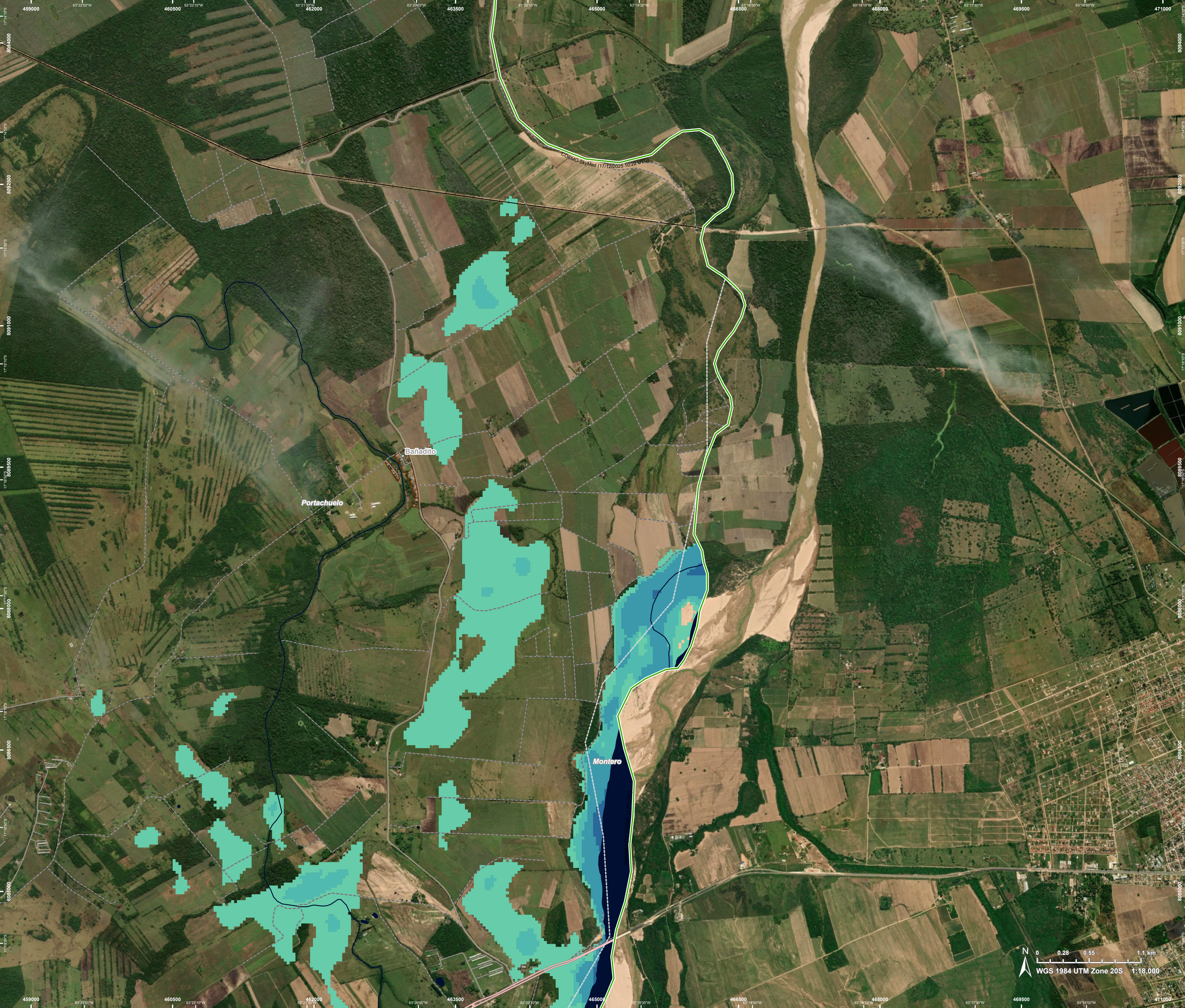
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EMSR853 - AOI01

Flood in Bolivia

PORTACHUELO

Situation as of 17/12/2025 10:22 UTC

Delineation - Detail map 03



Estimated flood depth (m)

Below 0.50

0.50 to 1.00

1.00 to 2.00

2.00 to 4.00

General Information

Area of Interest

Image Footprint

Administrative Boundaries

Province

Placenames

Placename

Built-Up Area

Residential

Hydrography

Lake, River

Transportation

Highway

Local road

Track

Railway

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Europe's eyes on Earth

Consequences within the AOI

| | | | | LATEST IMPACT | | |
|--------------------|--------------------------|--|---------------------|-----------------------|-------------------------|---------------------------------|
| | | | Unit of measurement | EO-based observation* | Model-based observation | EO- and Model-based observation |
| Crisis information | Flooded area | | ha | 590.1 | 2,904.1 | 3,494.1 |
| | Maximum of all extents** | | ha | 590.1 | 2,904.1 | 3,494.1 |

| | | | | POTENTIALLY AFFECTED | | TOTAL POTENTIALLY AFFECTED | Total in AOI |
|----------------------|----------------|--|-----|----------------------|---------|----------------------------|--------------|
| Estimated population | | Inhabitants | No. | NA | ~ 30 | ~ 30 | ~ 21,000 |
| Assets | Built-up | Residential Buildings | ha | 0 | 0.3 | 0.3 | 735.2 |
| | | Office buildings | ha | 0 | 0 | 0 | 4.3 |
| | | Industrial buildings | ha | 0 | 0 | 0 | 3.9 |
| | | School, university and research buildings | ha | 0 | 0 | 0 | 0.2 |
| | | Cemetery | ha | 0 | 0 | 0 | 3.2 |
| | | | | | | | |
| | Transportation | Helipad | ha | 0 | 0 | 0 | 0.02 |
| | | Airfield runways | km | 0 | 0 | 0 | 1.1 |
| | | Highways | km | 0 | 2.8 | 2.8 | 53.3 |
| | | Primary Road | km | 0 | 0 | 0 | 6.4 |
| | | Secondary Road | km | 0 | 0.4 | 0.4 | 60.0 |
| | | Local Road | km | 0.05 | 3.9 | 3.9 | 342.8 |
| | | Cart Track | km | 1.3 | 17.6 | 18.9 | 1,251.6 |
| | | Long-distance railways | km | 0 | 0.3 | 0.3 | 24.0 |
| | Facilities | Sport and recreation constructions | ha | 0 | 0 | 0 | 8.6 |
| | | Long-distance pipelines, communication and electricity lines | km | 0 | 1.0 | 1.0 | 62.7 |
| | Land use | Shrub and/or herbaceous vegetation association | ha | 500.9 | 2,104.2 | 2,605.2 | 61,281.6 |
| | | Forests | ha | 51.7 | 637.8 | 689.4 | 53,950.2 |
| | | Heterogeneous agricultural areas | ha | 19.0 | 109.6 | 128.6 | 2,387.3 |
| | | Open spaces with little or no vegetation | ha | 9.3 | 5.4 | 14.7 | 91.1 |
| | | Inland wetlands | ha | 9.2 | 47.1 | 56.2 | 444.6 |
| | | Other | ha | 0 | 0 | 0 | 244.3 |

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water

** Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

Disclaimer:

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

<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>

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Data Access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), 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.

Estimated Population:

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset.

Additional population datasets and analysis are available in the summary table.

Data Sources:

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2025); Wikimapia.org; GeoNames 2015;

Global Administrative Areas (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Digital Elevation Model (DEM) (Airbus, 2020).

Access to the portal



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