



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



Flooded area
EO-based 22.0 ha
Model-based 39.2 ha

Potentially affected population
~ Not available

Potentially Affected Built-up and Transportations



Estimated flood depth (m)

Below 0.50
0.50 to 1.00

General Information

Area of Interest
Image Footprint
Not Analysed

Administrative Boundaries

Province
Municipality

Placenames

Placename

Built-Up Area

Residential
Non residential
School, university and research buildings
Hospital or institutional care buildings

Military

Hydrography

Lake, River

Facilities

Long-distance pipelines or lines
Power plant

Sport and recreation constructions
Water or Aquatic infrastructure

Dam

Transportation

Highway
Main road
Local road
Track
Railway
Airfield runway
Airfield

Event: On the 14 December 2025, intense rainfall is reported to have a significantly affected provinces of Andrés Ibáñez 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-2A/B (2025) (acquired on 14/08/2025 at 14:17 UTC, resolution 10.0 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 30.0 m).

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. 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 IABG 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>



PROGRAMME OF THE
EUROPEAN UNION



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	22.0	39.2	61.1
	Maximum of all extents**		ha	22.0	39.2	61.1

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	NA	NA	NA	~ 140,000
Assets	Built-up	Residential Buildings	ha	0	0	0	14,608.4
		Industrial buildings	ha	0	0	0	2,391.8
		School, university and research buildings	ha	0	0	0	13.2
		Hospital or institutional care buildings	ha	0	0	0	0.2
		Military	ha	0	0	0	9.5
		Cemetery	ha	0	0	0	5.5
	Transportation	Airfield runways	ha	0	0	0	677.6
		Airfield runways	km	0	0	0	11.6
		Highways	km	0	0	0	89.7
		Primary Road	km	0	0	0	98.5
		Secondary Road	km	0	0	0	47.3
		Local Road	km	0	0.00	0.00	1,947.2
		Cart Track	km	0	0.2	0.2	2,132.9
		Long-distance railways	km	0	0	0	36.1
	Facilities	Settling Basin	ha	0	0	0	0.4
		Dams	ha	0	0	0	0.1
		Power plant constructions	ha	0	0	0	24.7
		Sport and recreation constructions	ha	0	0	0	143.8
		Other civil engineering works not elsewhere classified	ha	0	0	0	4.2
		Long-distance pipelines, communication and electricity lines	km	0	0	0	91.7
	Land use	Shrub and/or herbaceous vegetation association	ha	16.4	35.3	51.7	92,543.9
		Forests	ha	5.6	3.4	8.9	20,337.2
		Heterogeneous agricultural areas	ha	0	0.5	0.5	19,955.3
		Open spaces with little or no vegetation	ha	0	0	0	79.4
		Inland wetlands	ha	0	0	0	340.3
		Other	ha	0	0	0	1,009.1

* 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

