



EMSR857 - AOI01  
Flood in Mozambique  
CHIBABEL

Situation as of 24/01/2026 03:10 UTC  
Delineation MONIT03 - Overview map 01



Flooded area  
EO-based 95,393.9 ha  
Model-based 24,120.8 ha



Potentially affected  
population  
~ 13,400

Potentially Affected Built-up and Transportations



Railway  
2.0 km



Road  
288.1 km



Built-Up  
254.4 ha

#### Estimated flood depth (m)

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

#### General Information

Area of Interest

#### Built-Up Area

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

#### Hydrography

Lake, River

#### Facilities

- Long-distance pipelines or lines
- Local pipelines or lines
- Dam
- Mining or extraction site
- Sport and recreation constructions
- Transportation
- Highway
- Main road
- Local road
- Track
- Railway
- Airfield runway
- Airfield

**Event:** Heavy rain that started in December, has caused several floods in Mozambique. The event is ongoing. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation and flood extent emergency mapping

**Data sources and analysis:**  
Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 06/05/2024, resolution 4.3 m). This image is used as background image.  
Post-event image: Sentinel-1 (2026) (acquired on 24/01/2026 at 03:10 UTC, resolution 20.0 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.

The extrapolated flood extent and depth are generated by integrating observed flooded 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 Telespazio Iberica released by e-GEOS on the 24/01/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR857>



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Consequences within the AOI

			LATEST IMPACT			
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	95,393.9	24,120.8	119,514.7
	Maximum of all extents**		ha	95,393.9	24,120.8	119,514.7

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total In AOI
Estimated population	Inhabitants	No.	~ 3,400	~ 10,000	~ 13,400	~ 640,000	
Assets	Built-up	Residential Buildings	ha	46.7	207.8	254.4	5,981.4
		Industrial buildings	ha	0	0	0	19.9
		School, university and research buildings	ha	0	0	0	0.2
		Hospital or institutional care buildings	ha	0	0	0	0.04
		Cemetery	ha	0	0	0	0.9
	Transportation	Airfield runways	ha	0	0	0	0.2
		Airfield runways	km	0	0	0	1.8
		Highways	km	0.1	9.3	9.3	32.6
		Primary Road	km	4.0	11.3	15.4	105.0
		Secondary Road	km	1.9	8.6	10.5	50.8
		Local Road	km	9.4	48.0	57.4	2,364.4
		Cart Track	km	101.8	93.7	195.6	627.0
		Long-distance railways	km	0.5	1.5	2.0	29.6
	Facilities	Constructions for mining or extraction	ha	0	0	0	1.6
		Sport and recreation constructions	ha	0.4	1.5	1.9	5.4
		Long-distance pipelines, communication and electricity lines	km	30.2	9.5	39.7	79.7
		Local pipelines and cables	km	0	0	0	4.4
		Dams	km	0	0	0	0.8
	Land use	Heterogeneous agricultural areas	ha	60,323.6	14,502.1	74,825.8	127,367.6
		Shrub and/or herbaceous vegetation association	ha	18,101.6	2,594.6	20,696.2	28,555.5
		Inland wetlands	ha	11,513.8	3,875.5	15,389.3	19,407.7
		Forests	ha	4,865.8	2,673.6	7,539.5	41,177.5
		Other	ha	553.9	474.4	1,028.3	17,620.0
		Open spaces with little or no vegetation	ha	35.2	0.5	35.7	45.3

\* 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 (2026); Wikimapia.org; GeoNames 2015;  
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.  
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, 2024.

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

