

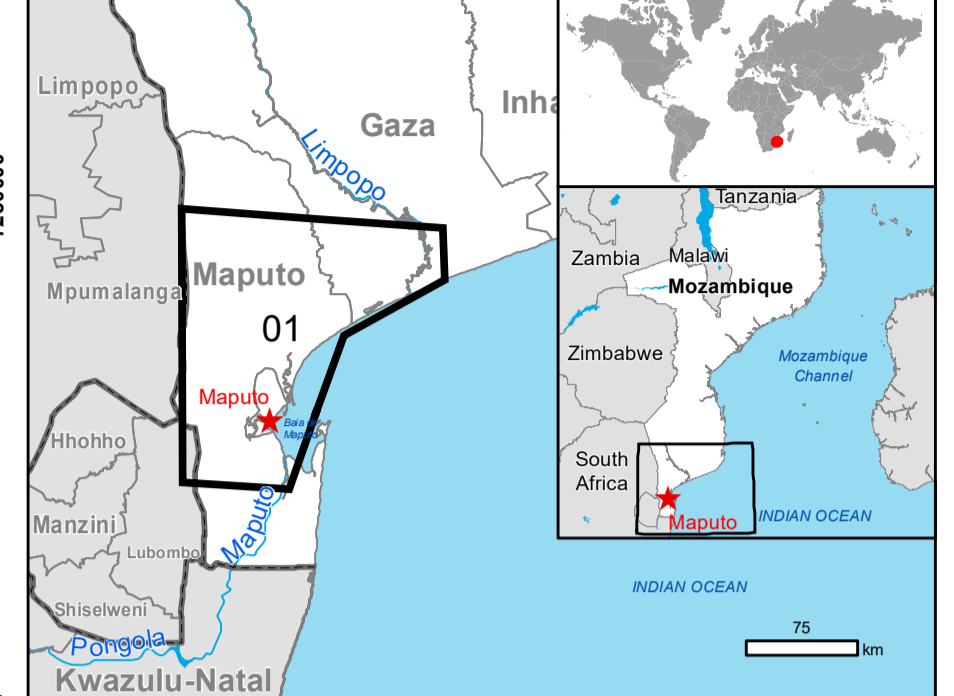


GLIDE number: FL-2023-00018-MOZ Activation ID: EMSR650  
Int. Charter Act. ID: N/A Product N.: 01MAPUTO, v1

## MAPUTO - MOZAMBIQUE

### Flood - Situation as of 13/02/2023

#### Delineation - Overview map 01



#### Cartographic Information

1:350000 Full color A1, 200 dpi resolution

0 5 10 20 km

Grid: WGS 1984 UTM Zone 36S map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

Crises Information	Build-Up Area	Facilities	Transportation
General Information	Hydrography	Navigation	Navigation
Area of Interest	Coastline	Primary Road	Primary Road
Detail map	Coastline	Secondary Road	Secondary Road
Administrative boundaries	Coastline	Long-distance railway	Long-distance railway
International Boundary	Coastline	Refill runway	Refill runway
Region	Coastline	Refill runway	Refill runway
Municipality	Coastline	Refill runway	Refill runway
Place names	Coastline	Refill runway	Refill runway

#### Map Information

Legend	Map Information
Crises Information	Map Information
General Information	Map Information
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Region	Map Information
Municipality	Map Information
Place names	Map Information

In the past two weeks extreme rainfall in some areas of Mozambique and in neighboring countries have raised a red alert for flash and persistent floods in the country. The situation is particularly concerning in Maputo province because South Africa and Eswatini have been also experiencing extreme rains and their rivers are carrying out large discharges. Incomati, Corumana and Pequenos Libombos dams are saturated and they will discharge water for the next 3 to 5 days. The effect of the discharge is causing floods in Boane and Moamba and in the next 24 to 48hrs also in Magde and Manhica. Having a detailed map of flood affected areas in the province of Maputo is very important to guide search and rescue operation and other emergency response activities.

The present map shows the flood in the area of Maputo (Mozambique). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:50000. The estimated geometric accuracy (RMSE) is 60 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 22500 sq. m.

#### Relevant date records (UTC)

Event	09/02/2023 00:00	Situation as of	13/02/2023 04:09
Activation	11/02/2023 16:34	Map production	13/02/2023

#### Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 08/05/2021, GSD 5.0 m, approx. 0% cloud coverage in AoI)  
Post-event image: COSMO-SkyMed © ASI (2023), distributed by e-GEOS S.p.A. (acquired on 13/02/2023 at 04:09 UTC, GSD 30.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), 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: Population Grid © European Commission, 2019  
[https://ghsl.jrc.ec.europa.eu/ghs\\_pop2019.php](https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php)

#### Disclaimer

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Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by e-GEOS released by e-GEOS (ODO).

For the latest version of this map and related products visit <https://emergency.copernicus.eu/EMSR650>

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