

Mossuril - MOZAMBIQUE

Flood - Situation as of 17/03/2022

Delineation - Overview map 01

Cartographic Information

1:240000

Full color A1, 200 dpi resolution

0 5 10 20 km

Grid: WGS 1984 UTM Zone 37S map coordinate system
Tick marks: WGS 84 geographical coordinate system



Crisis Information

Flooded Area

General Information

Area of Interest

Detail map

Image Footprint

Not Analysed - No data

Administrative boundaries

Province

Placenames

Placename

Built-Up Area

Built-Up Area

Hydrography

Coastline

River

Stream

Island

Lake

Land Subject to Inundation

River

Legend

Transportation

Primary Road

Secondary Road

Local Road

Cart Track

Long-distance railway

Airfield runway

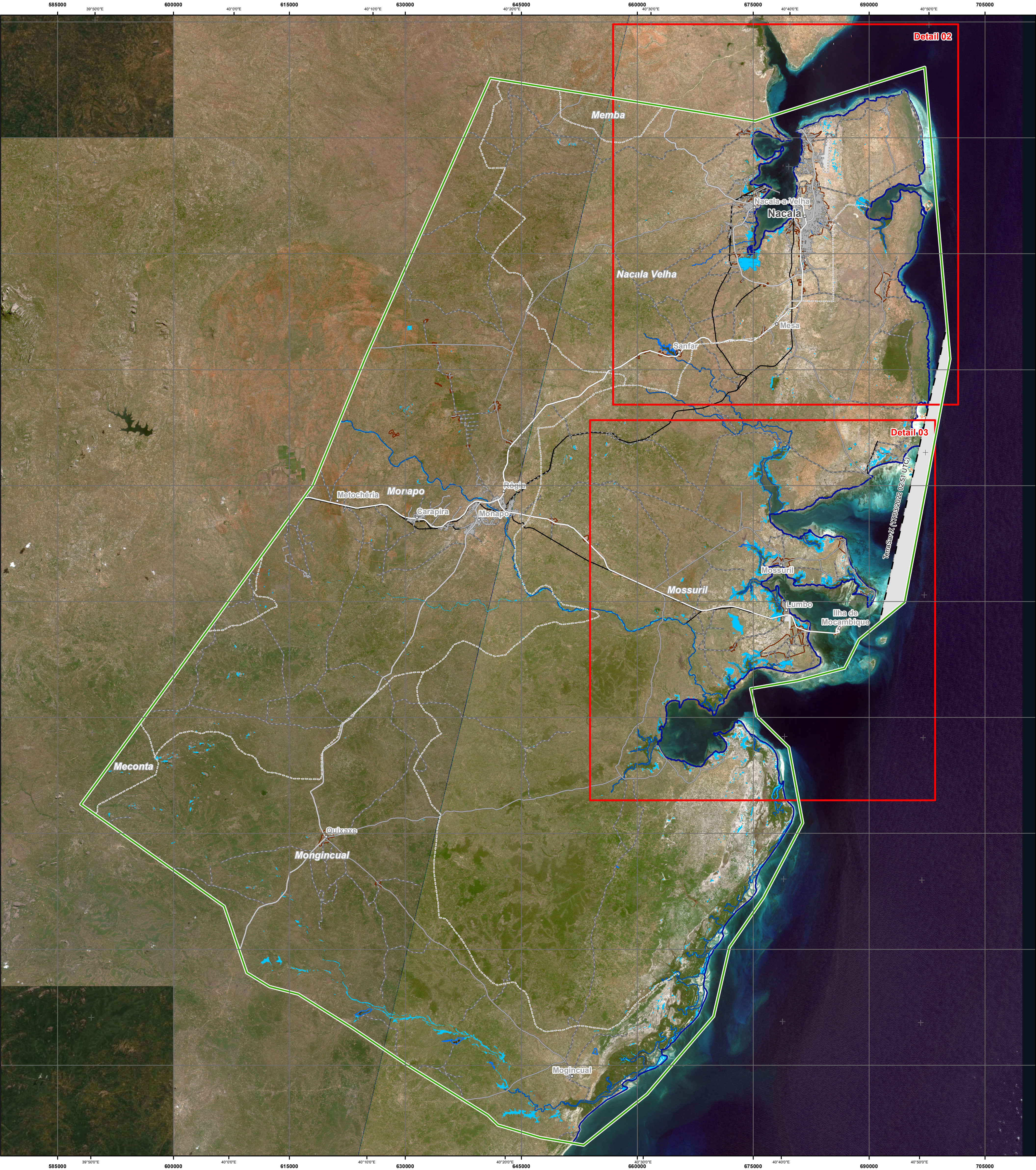
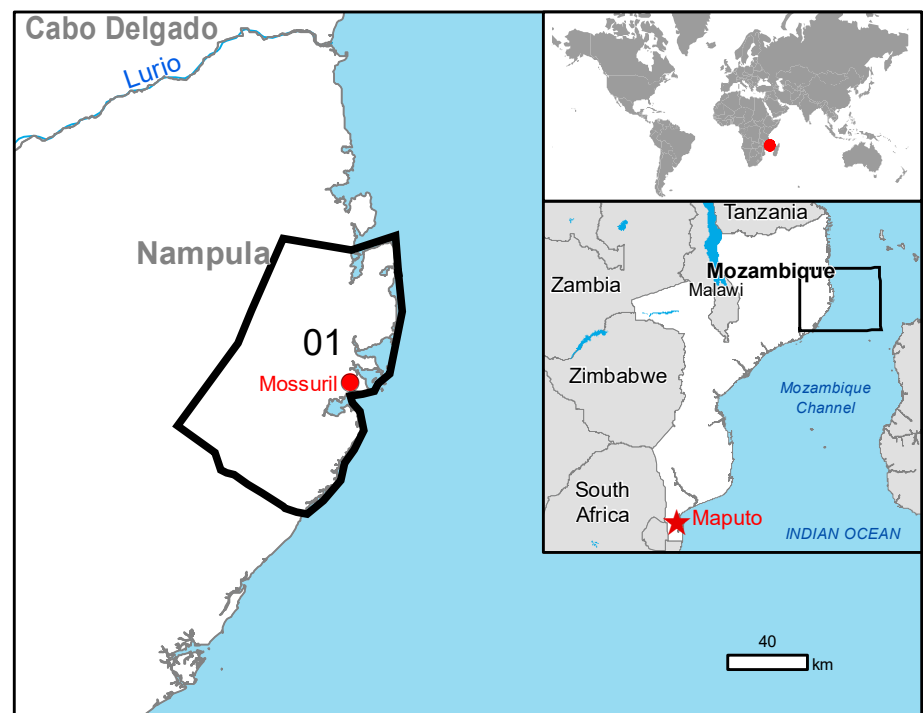
Airfield runway

Land Use - Land Cover

Features available in the vector package

| Consequences within the AOI | | Affected | Total in AOI |
|-----------------------------|----|----------|--------------|
| Flooded area | ha | | 8 957.1 |
| Estimated population | | 30 523 | 868 971 |
| Built-up | ha | 24.0 | 7 142.8 |
| Transportation | km | 8.0 | 2 678.6 |
| Land use | ha | 1.2 | 511.4 |
| | | 8 304.7 | 866 269.1 |

Full table available in the vector package



Map Information

Tropical Cyclone Gombé has flooded large areas of northern and central Mozambique, killing 15 people. Most of the fatalities occurred when the cyclone first hit Mozambique's northern coast on 11 March and its strong winds and rains caused many houses to collapse. Some coastal districts in Nampula province remained isolated, without power, water and communication.

The present map shows the flood delineation in the area of Mossuril (Mozambique). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:100 000. The estimated geometric accuracy (RMSE) is 37m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 10000 sq m.

Data sources

Pre-event image: Sentinel-2B (2021) (acquired on 12/08/2021 at 07:34 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPENICUS by the European Union and ESA.
Sentinel-2A (2021) (acquired on 10/08/2021 at 07:44 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPENICUS by the European Union and ESA.
Post-event image: TerraStar-X © Infoterra GmbH (acquired on 17/03/2022 at 02:51 UTC, GSD 18.5 m), provided under COPENICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (90 m) or (30 m) (NASA/USGS)

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union. 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 CLS released by e-GEOS (ODO).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSR568

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Relevant date records (UTC)

| | | | |
|------------|------------------|-----------------|------------------|
| Event | 11/03/2022 08:00 | Situation as of | 17/03/2022 02:51 |
| Activation | 15/03/2022 16:30 | Map production | 17/03/2022 |

