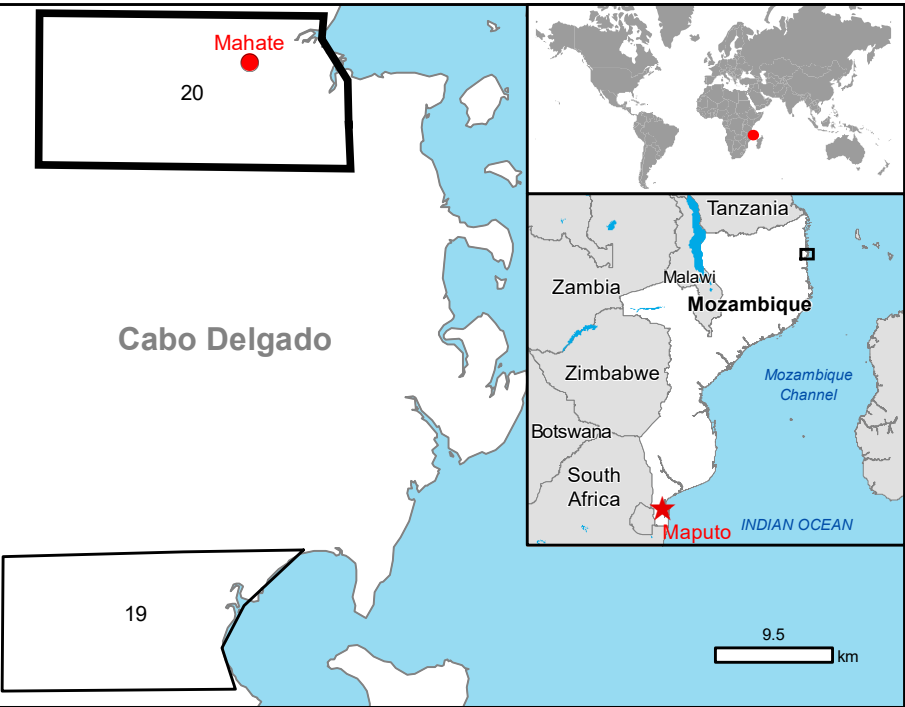


GLIDE number: TC-2019-000038-MOZ Activation ID: EMSR354
Int. Charter call ID: 606 Product N.: 20MAHATE, v1

Mahate - MOZAMBIQUE

Storm - Situation as of 30/04/2019

Delineation - Overview map 01



Cartographic Information

1:40000 Full color A1, 200 dpi resolution



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

Legend

- Crisis Information**
 - Flooded Area (30/04/2019 15:37 UTC)
- General Information**
 - Area of Interest
- Placenames**
 - Placename
- Physiography & Land use - Land Cover**

Features available in vector data

 - River
 - Stream
 - Land Subject to Inundation
 - River
 - Secondary Road
 - Local Road
 - Cart Track

Consequences within the AOI				
	Unit of measurement	Affected	Total in AOI	
Flooded area	ha	NA	1984.0	
Estimated population	Number of inhabitants	NA	12184	
Transportation	Secondary Road	km	0.7	42.5
	Local Road	km	0.3	8.7
	Cart Track	km	0.1	8.1

Map Information

Tropical Cyclone (TC) Kenneth hit Mozambique on 26.04.2019. TC Kenneth likely to bring a period of destructive winds to the Northern provinces of Mozambique on 26.04.2019 onwards. TC Kenneth also likely to bring a period of a few days of torrential rainfall with 350-500 mm likely widely, perhaps as much as 800 mm.

The present map shows the flood delineation in the area of Mahate (Mozambique). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 9.25 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	26/04/2019 01:00	Situation as of	30/04/2019 15:37
Activation	28/04/2019 14:18	Map production	01/05/2019

Data sources

Pre-event image: Sentinel 2A (2019) (acquired on 03/04/2019 at 07:16 UTC, GSD 10 m, approx. 5% cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2019) (acquired on 30/04/2019 at 15:37 UTC, GSD 8 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under COPERNICUS by the European Union and ESA, all rights reserved.

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

Population data: GHSL Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghsl-ghs-pop_gpw4_globe_2015a.
Digital Elevation Model: SRTM (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 SIRS released by SERTIT (ODO).
For the latest version of this map and related products visit
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