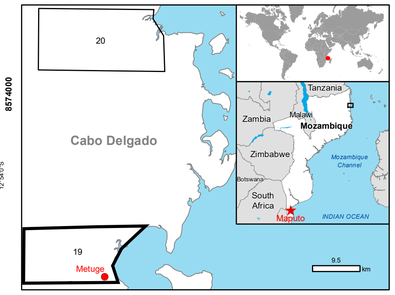
GLIDE number: TC-2019-000038-MOZ
Int. Charter call ID: 606

Activation ID: EMSR354
Product N.: 19METUGE, v1

Metuge - MOZAMBIQUE

Storm - Situation as of 30/04/2019

Delineation - Overview map 01



Cartographic Information

1:20000

Full color A1, 200 dpi resolution

0 0.4 0.8 1.6 km

N

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

Hydrography
- Coastline
- River
- Land Subject to Inundation
- River

Transportation
- Secondary Road
- Local Road
- Cart Track

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Flooded area	ha		590.6	
Estimated population	Number of inhabitants		NA	25534
Transportation	Secondary Road	km	0.0	15.8
	Local Road	km	0.0	32.7
	Cart Track	km	2.7	71.4

Map Information

Tropica l 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 Metuge (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	26/04/2019 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: GHS Population Grid © European Commission, 2015 http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.
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
http://emergency.copernicus.eu/EMSR354

jrc-ems-rapidmapping@ec.europa.eu

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