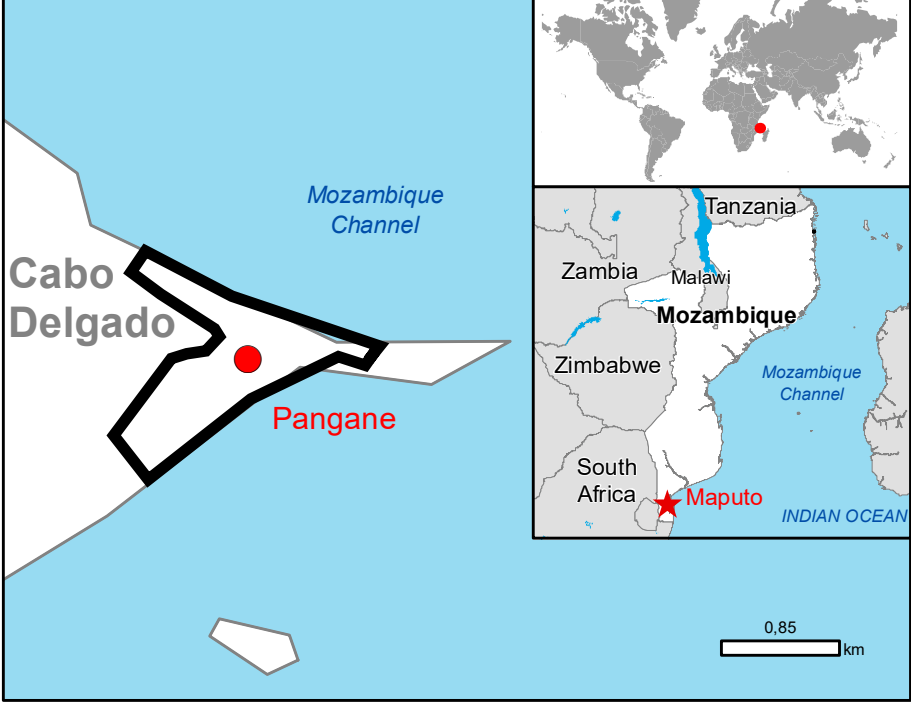




## Pangane - MOZAMBIQUE

### Flood - Situation as of 01/05/2019

#### Grading - Overview map 01



#### Cartographic Information

1:3000

Full color A1, 200 dpi resolution

0 50 100 200 Meters

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

#### Legend

##### Crisis Information

Flooded Area  
(01/05/2019 07:23 UTC)

##### Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

##### Transportation Grading

- Road, Damaged
- Road, Possibly damaged

##### General Information

Area of Interest

##### Placenames

- Placename

##### Hydrography

- Coastline
- Stream
- Lake

##### Physiography & Land use - Land Cover

Features available in vector data

Consequences within the AOI		Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
Flooded area	Unit of measurement: ha				0.5	
Estimated population	Number of inhabitants				N/A	4000
Settlements	Residential	No.	147	1170	17	1334
Transportation	Local Road	km	0.0	16.6	0.6	17.26
	Cart Track	km	0.0	5.0	0.9	5.9

#### 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 in the area of Pangane (Mozambique). The thematic layer has been derived from post-event satellite image using semi-automatic approach. The estimated geometric accuracy (RMSE) is 1.25 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	01/05/2019 07:23
Activation	26/04/2019 03:00	Map production	08/05/2019

#### Data sources

Pre-event image: WorldView-2 © Digital Globe, Inc. (2018), (acquired on 14/06/2018 at 07:37 UTC, GSD 0.5 m, approx. 0% cloud coverage in Aoi, 23.7° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.  
Post-event image: Pleiades-1A © CNES (2019), distributed by Airbus DS (acquired on 01/05/2019 at 07:23 UTC, GSD 0.5 m, approx. 18% cloud coverage in Aoi, 35.2° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2012, Global Administrative Areas (2012), refined by the producer.  
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.  
Digital Elevation Model: SRTM (90 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.

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

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

For the latest version of this map and related products visit  
<http://emergency.copernicus.eu/EMSR354>

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