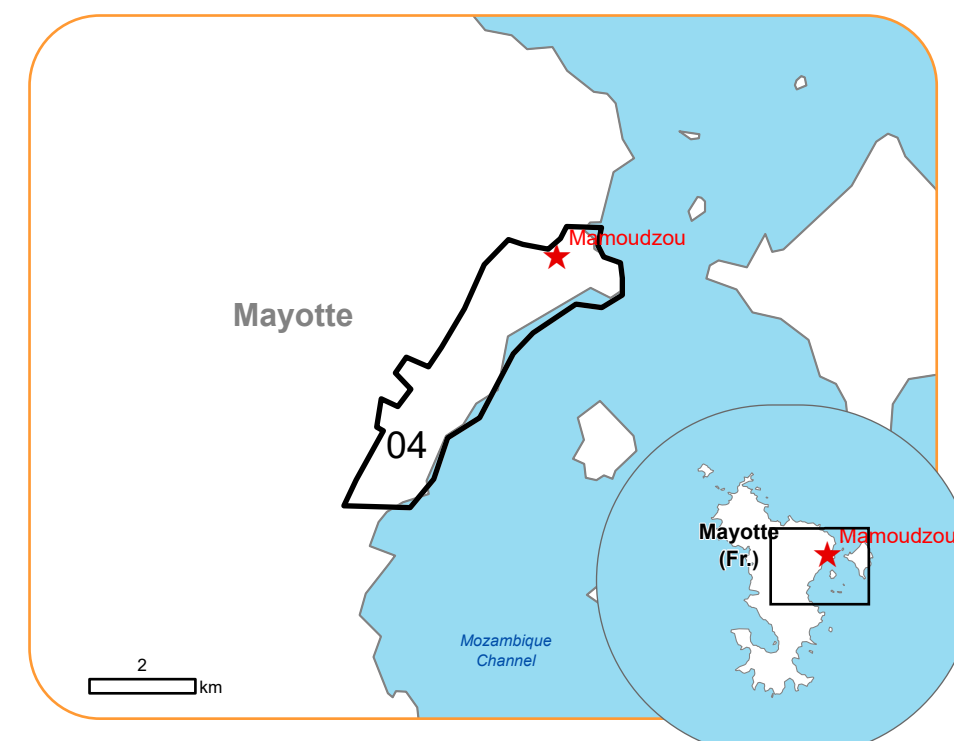




**EMSR780 - AOI04**  
Storm in Mayotte (Fr.)  
MAMOUDZOU

**Situation as of 15/12/2024 07:16 UTC**  
Grading - Overview map 01






Blocked road / interruption  
2 No.




Potentially affected population  
~ Not available

Affected Built-up and Transportations



Built-Up  
8,932 No.



Road  
76.5 km

**Built Up Grading**

- Destroyed
- Damaged
- Possibly damaged

**Facilities Grading**

- Damaged
- Possibly damaged

**Transportation Grading**

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Berthing Structure, Destroyed
- Main road, No visible damage

**Local road, No visible damage**

**Track, No visible damage**

**Airfield and Heliport, No visible damage**

**Crisis Information**

- Blocked road / interruption

**General Information**

- Area of Interest
- Detail map
- Not Analysed

**Placenames**

- Placename

**Hydrography**

- Lake, River


**Event** On 12-14 December 2024, heavy to very heavy rain and strong winds are expected, due to tropical cyclone CHIDO, over northern Madagascar, Mayotte (red alert declared in the northern part of the island at 18:00) and Comoros, while on 15-16 December the same weather conditions are expected over northern and north-eastern Mozambique. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, its the extent of impacts and damage assessment emergency mapping.

**Data sources and analysis:** Pre-event image: GeoEye © Maxar Technologies, Inc. (2024) (acquired on 05/08/2023 at 07:25 UTC, resolution 0.5 m). Post-event image: Pleiades (2024) distributed by Airbus DS (acquired on 15/12/2024 at 07:16 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.


The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by e-GEOS released by e-GEOS on the 16/12/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR780>

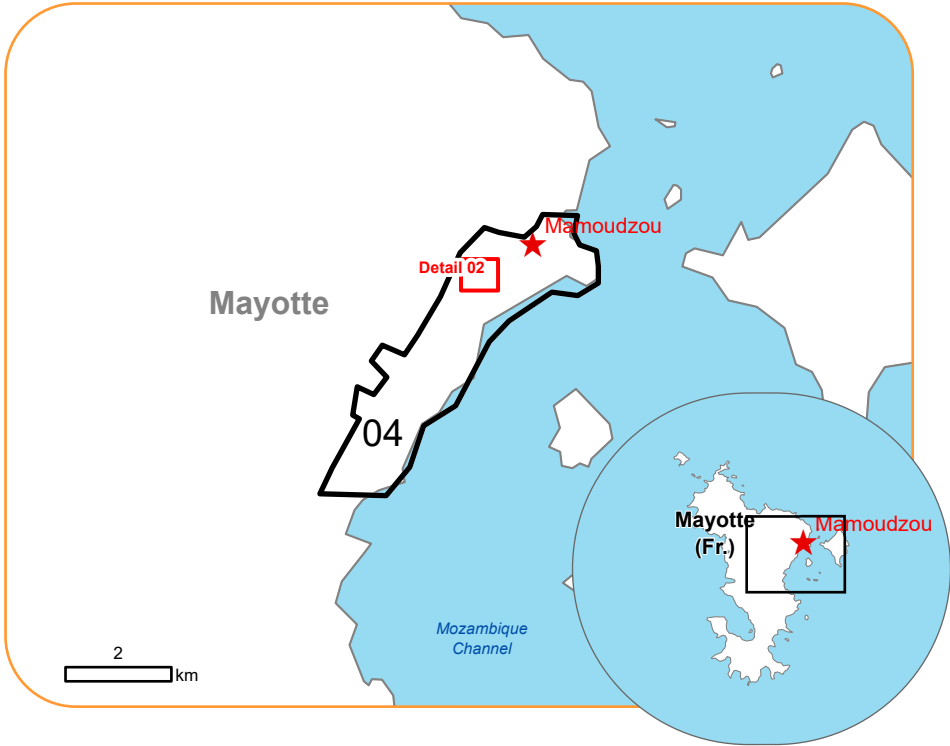






EMSR780 - AOI04  
Storm in Mayotte (Fr.)  
MAMOUDZOU

Situation as of 15/12/2024 07:16 UTC  
Grading - Detail map 02



**Built Up Grading**

- Destroyed
- Damaged
- Possibly damaged

**Facilities Grading**

- Possibly damaged

**Transportation Grading**

- Road, Damaged
- Road, Possibly damaged

**General Information**

- Area of Interest
- Not Analysed

**Event** On 12-14 December 2024, heavy to very heavy rain and strong winds are expected, due to tropical cyclone CHIDO, over northern Madagascar, Mayotte (red alert declared in the northern part of the island at 18:00) and Comoros, while on 15-16 December the same weather conditions are expected over northern and north-eastern Mozambique. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, its extent of impacts and damage assessment emergency mapping.

**Data sources and analysis:** Pre-event image: GeoEye © Maxar Technologies, Inc. (2024) (acquired on 05/08/2023 at 07:25 UTC, resolution 0.5 m). Post-event image: Pleiades (2024) distributed by Airbus DS (acquired on 15/12/2024 at 07:16 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

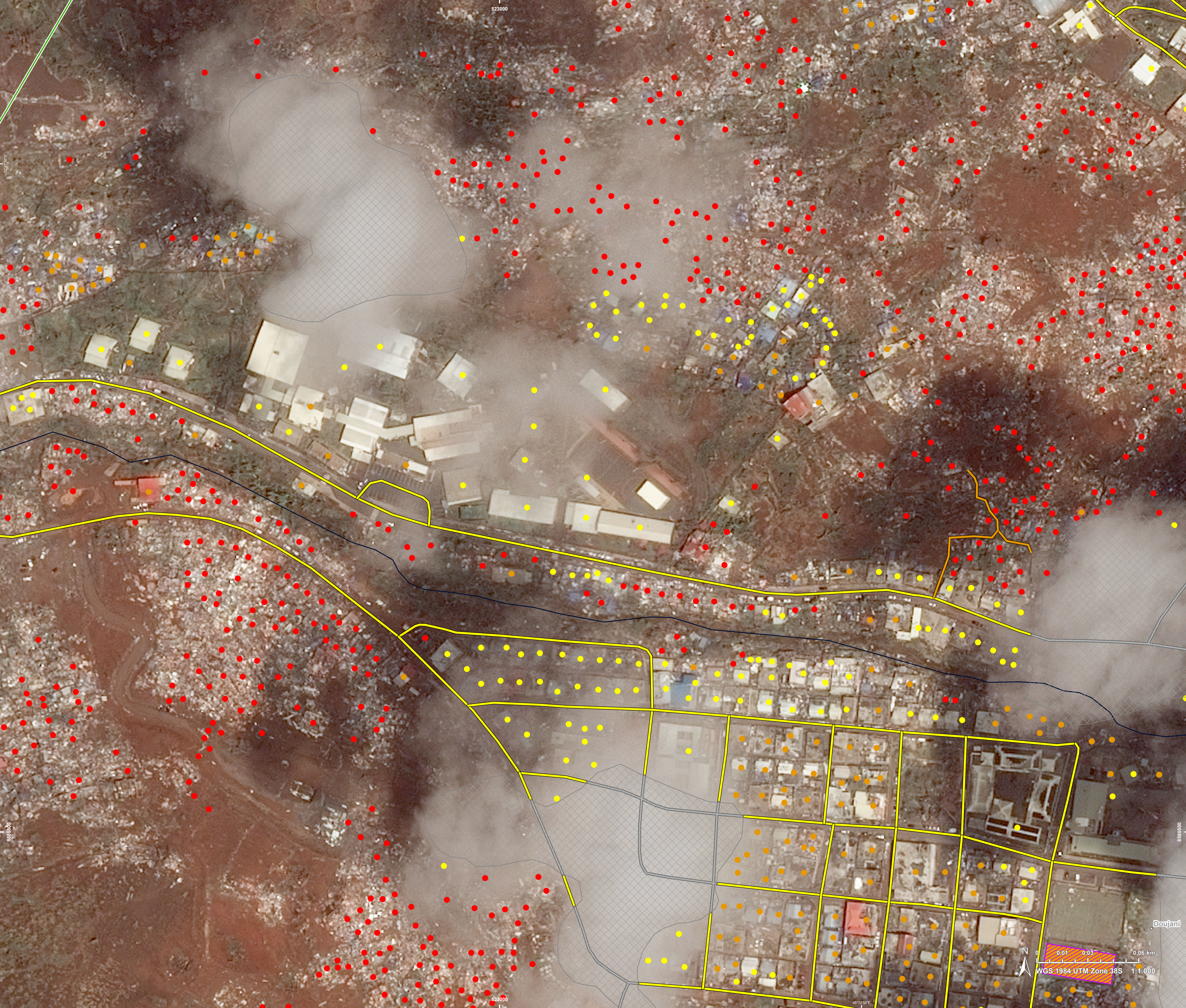
The thematic layer has been derived from post-event satellite image by means of visual interpretation.


Map produced by e-GEOS released by e-GEOS on the 16/12/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR780>

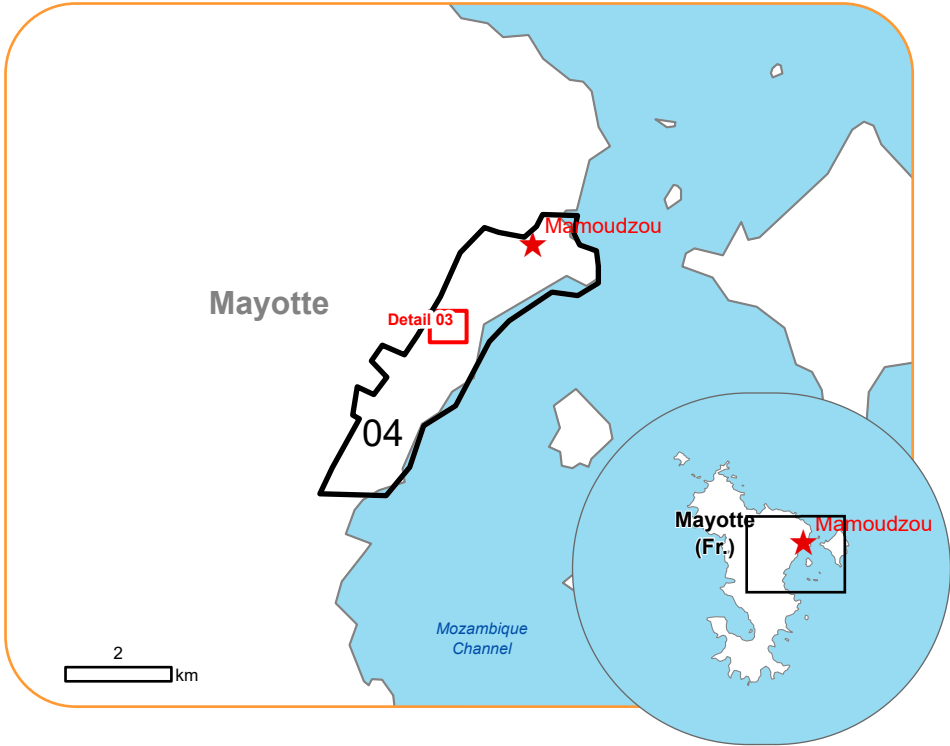






 EMSR780 - AOI04  
Storm in Mayotte (Fr.)  
MAMOUDZOU

Situation as of 15/12/2024 07:16 UTC  
Grading - Detail map 03



**Built Up Grading**

- Destroyed
- Damaged
- Possibly damaged

**Facilities Grading**

- Damaged

**Transportation Grading**

- Road, Damaged
- Road, Possibly damaged
- Local road, No visible damage

**General Information**

- Area of Interest
- Not Analysed

**Placenames**

- Placename

**Event** On 12-14 December 2024, heavy to very heavy rain and strong winds are expected, due to tropical cyclone CHIDO, over northern Madagascar, Mayotte (red alert declared in the northern part of the island at 18:00) and Comoros, while on 15-16 December the same weather conditions are expected over northern and north-eastern Mozambique. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, its the extent of impacts and damage assessment emergency mapping.

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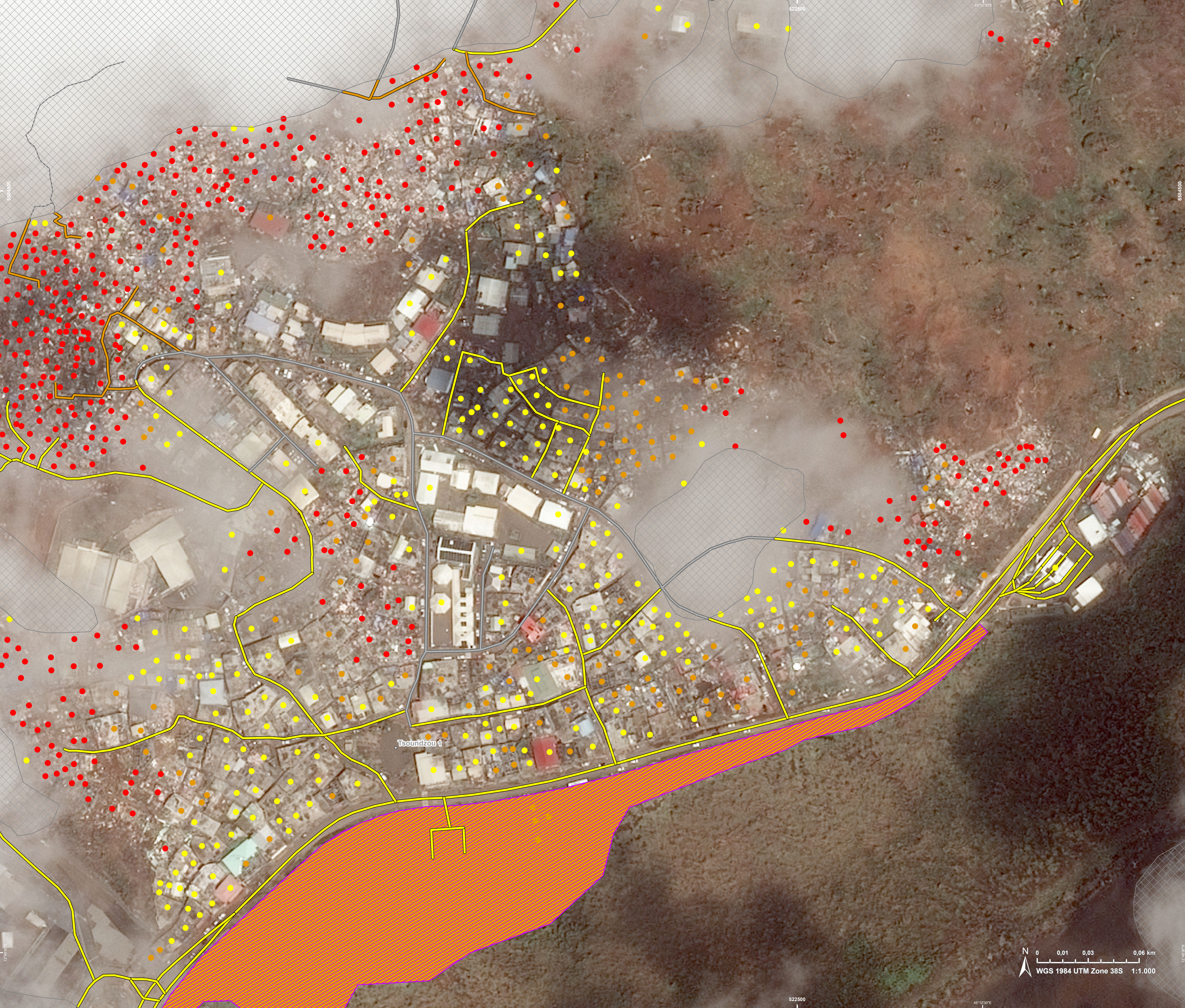
The thematic layer has been derived from post-event satellite image by means of visual interpretation.


Map produced by e-GEOS released by e-GEOS on the 16/12/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR780>

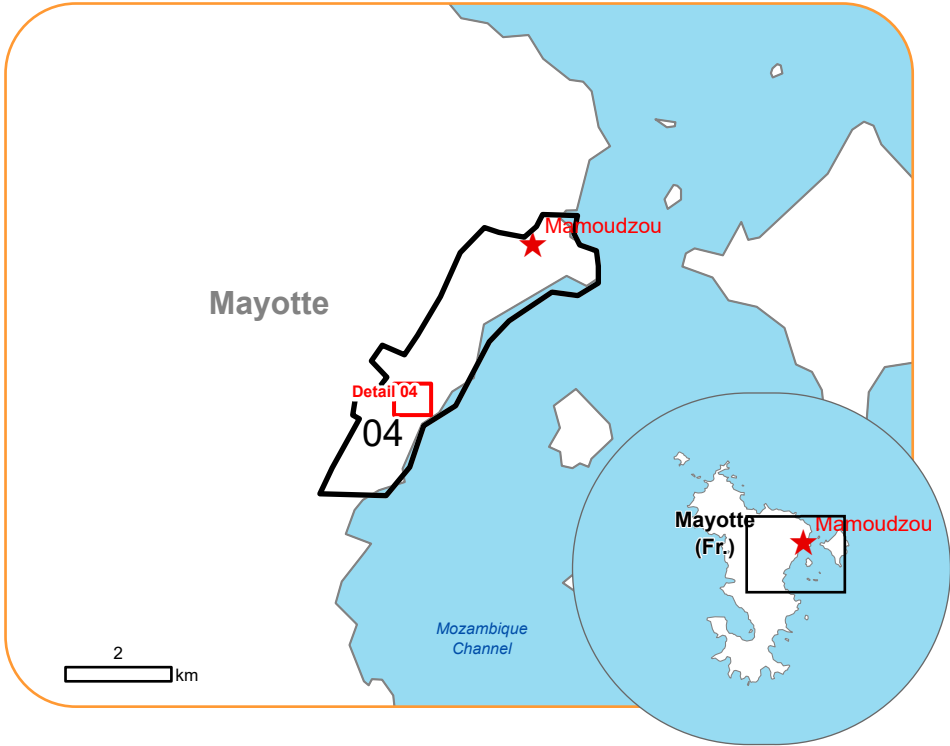






 EMSR780 - AOI04  
Storm in Mayotte (Fr.)  
MAMOUDZOU

Situation as of 15/12/2024 07:16 UTC  
Grading - Detail map 04



**Built Up Grading**

- Destroyed
- Damaged
- Possibly damaged

**Facilities Grading**

- Damaged

**Transportation Grading**

- Road, Damaged
- Road, Possibly damaged
- Local road, No visible damage
- Track, No visible damage

**General Information**

- Area of Interest
- Not Analysed

**Placenames**

- Placename

**Event** On 12-14 December 2024, heavy to very heavy rain and strong winds are expected, due to tropical cyclone CHIDO, over northern Madagascar, Mayotte (red alert declared in the northern part of the island at 18:00) and Comoros, while on 15-16 December the same weather conditions are expected over northern and north-eastern Mozambique. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, its the extent of impacts and damage assessment emergency mapping.

**Data sources and analysis:** Pre-event image: GeoEye © Maxar Technologies, Inc. (2024) (acquired on 05/08/2023 at 07:25 UTC, resolution 0.5 m). Post-event image: Pleiades (2024) distributed by Airbus DS (acquired on 15/12/2024 at 07:16 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

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Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR780>





Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Ancillary Crisis Information	Blocked road / interruption	No.					2
Estimated population	Number of inhabitants					NA	~ 54.000
Built-up	Residential Buildings	No.	164	141	172	477	514
	Office buildings	No.	1	20	31	52	60
	Administrative	No.	0	1	0	1	1
	Institutional	No.	0	1	1	2	2
	Police station	No.	0	0	1	1	1
	Wholesale and retail trade buildings	No.	11	23	9	43	49
	Industrial buildings	No.	0	1	0	1	1
	Museums and libraries	No.	0	1	0	1	1
	School, university and research buildings	No.	1	22	28	51	71
	Hospital or institutional care buildings	No.	0	3	11	14	51
	Other non-residential buildings	No.	166	28	16	210	210
	Buildings used as places of worship and for religious activities	No.	0	1	4	5	5
	Hotel buildings	No.	0	3	5	8	9
	Communication buildings, stations, terminals and associated buildings	No.	0	0	2	2	4
	Unclassified	No.	3.037	2.312	2.715	8.064	10.114
Transportation	Helipad	ha	0	0	0	0	0,02
	Berthing Structure	km	0,3	0	0	0,3	0,3
	Primary Road	km	0	0	8,9	8,9	11,8
	Secondary Road	km	0	0	4,2	4,2	5,1
	Local Road	km	0,1	3,2	55,2	58,5	72,2
	Cart Track	km	0	0,7	4,2	4,9	7,2
Facilities	Settling Basin	ha	0	1,2	0	1,2	1,2
	Sport and recreation constructions	ha	0	5,1	1,0	6,1	8,5
	Long-distance pipelines, communication and electricity lines	km	0	0	0	0	0,2
Land use	Heterogeneous agricultural areas	ha	0	0	0	0	1,6
	Forests	ha	0	0	0	0	499,1
	Inland wetlands	ha	0	0	0	0	49,0
	Other	ha	0	0	0	0	244,7
* Presence of damage proxies and proximity with destroyed/damaged asset							
** Sum of all damage classes							

**Disclaimer:**

Full disclaimer and other helpful information available in the online manual:  
<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>  
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**Data Access:**

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

**Estimated Population:**

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

**Data Sources:**

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.org, GeoNames 2015,

Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Digital Elevation Model: SRTM (90 m) or (30 m) (NASA/USGS) provided under COPENICUS by the European Union and ESA, all rights reserved.

Access to the portal



PROGRAMME OF THE  
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