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Activation ID: EMSR493  
Product N.: 01MAMUDJU, v2

## Mamudju - INDONESIA

### Earthquake - Situation as of 22/01/2021

#### Grading - Overview map



#### Cartographic Information

1:19000 Full color A1, 200 dpi resolution

0 0.25 0.5 1 km

Grid: WGS 1984 UTM Zone 50S map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

- Crisis Information**
  - Temporary camp
- Transportation Grading**
  - Road, Damaged
  - Road, Possibly damaged
  - Highway, No visible damage
  - Primary Road, No visible damage
  - Secondary Road, No visible damage
  - Local Road, No visible damage
  - Cart Track, No visible damage
- Built Up Grading**
  - Destroyed
  - Damaged
  - Possibly damaged
- General Information**
  - Area of Interest
  - Not Analysed
- Placenames**
  - Placename
- Hydrography**
  - Coastline
  - River
  - Land Subject to Inundation

Consequences within the AOI						
		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Temporary camp	No.					31
Estimated population					NA	233,497
Built-up	No.	24	18	23	65	NA
Transportation	km	0.0	0.3	0.6	0.9	NA

\* Presence of damage proxies and proximity with destroyed/damaged asset  
\*\* Sum of Destroyed, Damaged and Possibly damaged

#### Map Information

A strong earthquake of 6.2 M hit the Western part of Sulawesi on 14 January 2021 at 18:28 UTC. The epicentre of the quake was 60 km northeast of the city of Majene, at a depth of 10 km. According to media, at least 34 people were killed, 637 injured and 15,000 displaced.

The present map shows the damage grade assessment in the area of Mamudju (Indonesia). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq. m.

#### Relevant date records (UTC)

Event	14/01/2021 18:28	Situation as of	22/01/2021 02:14
Activation	15/01/2021 13:16	Map production	08/02/2021

#### Data sources

Pre-event image: Pliades-1A/B © CNES (2020), distributed by Airbus DS (acquired on 11/05/2020 at 02:31 UTC, GSD 0.5 m, approx. 0% cloud coverage in Aoi, 21.9° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
Post-event image: Pliades-1A/B © CNES (2021), distributed by Airbus DS (acquired on 20/01/2021 at 02:29 UTC, GSD 0.5 m, approx. 70% cloud coverage in Aoi, 15.6° off-nadir angle and acquired on 22/01/2021 at 02:14 UTC, GSD 0.5 m, approx. 10% cloud coverage in Aoi, 37° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), 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, 2019  
[https://ghsl.jrc.ec.europa.eu/ghs\\_pop2019.php](https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php)

#### Disclaimer

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

Map produced by GAF AG released by e-GEOS (ODO).

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