

**FARAFANGANA DISTRICT, ATSIMO ATSIANANA REGION**

IMAGERY ANALYSIS: 08/02/2022 PUBLISHED 14/02/2022 V1.

Sahamadio	ANALYSED AREA	FLOODS EXTENT	POPULATION POTENTIALLY EXPOSED
	2,600km <sup>2</sup>	100km <sup>2</sup>	22,400

**TROPICAL CYCLONE**  
 TC20220201MDG

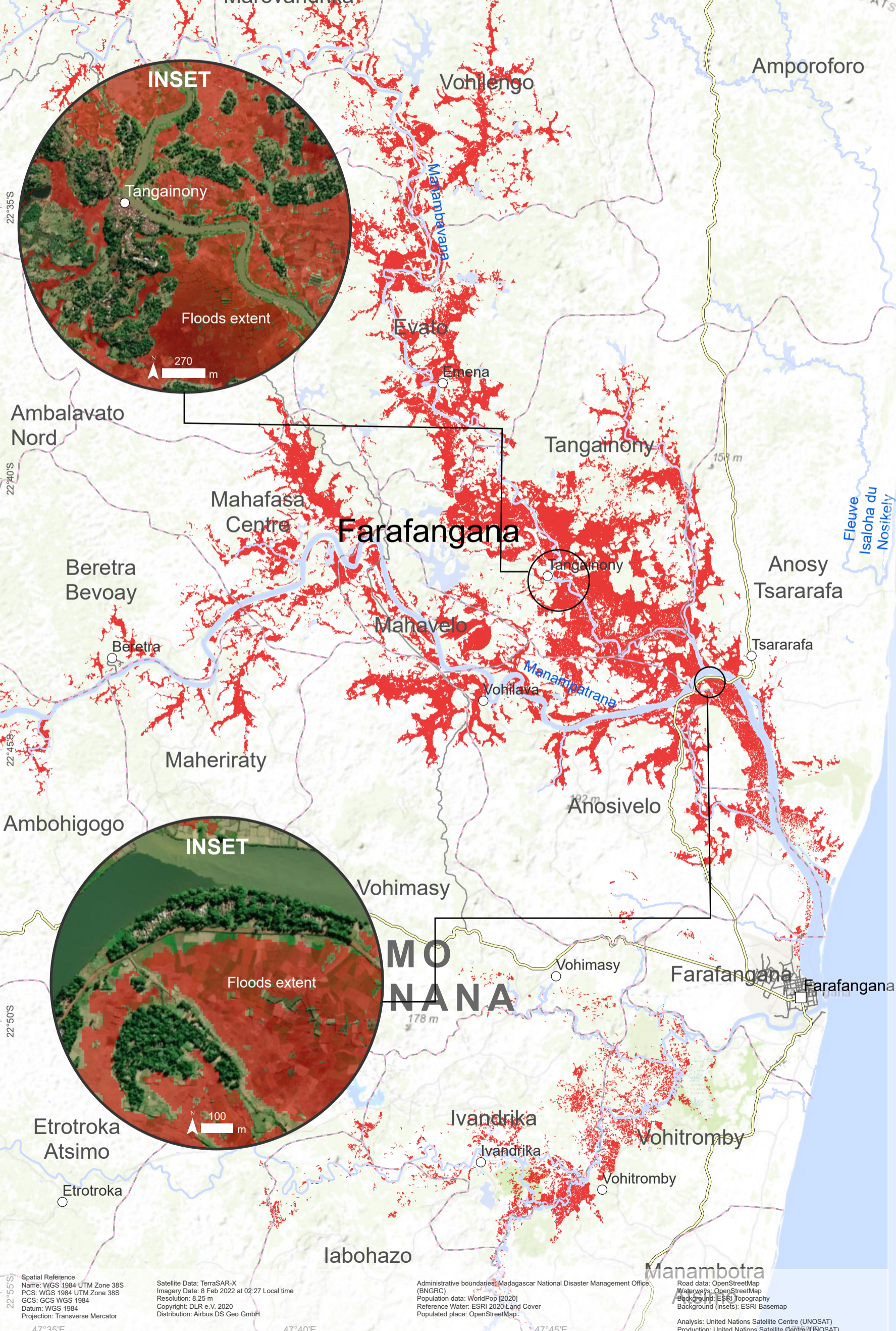


Satellite detected water extents in Farafangana district, Atsimo Atsinanana region, Madagascar as of 8 February 2022

This map illustrates satellite-detected surface waters in Farafangana district, Atsimo Atsinanana region, Madagascar as observed from a TerraSAR-X image acquired on 8 February 2022 at 05:27 local time. Within the analyzed area of 2,600km<sup>2</sup>, a total of about 100 km<sup>2</sup> of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 22,400 people are potentially exposed or living close to flooded areas.

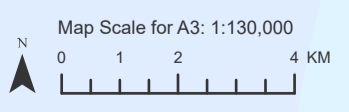
This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to United Nations Satellite Centre (UNOSAT).

Important note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering properties of the radar signal.



**Legend**

- City/Town
- Village
- - - Analysis extent
- Region boundary
- District boundary
- Commune boundary
- Secondary road
- Tertiary road
- Orther road
- River
- Reference water
- Satellite detect water [8 Feb 2022]



Spatial Reference  
 Name: WGS 1984 UTM Zone 38S  
 PCS: WGS 1984 UTM Zone 38S  
 GCS: GCS WGS 1984  
 Datum: WGS 1984  
 Projection: Transverse Mercator

Satellite Data: TerraSAR-X  
 Imagery Date: 8 Feb 2022 at 02:27 Local time  
 Resolution: 8.25 m  
 Copyright: DLR e.V. 2020  
 Distribution: Airbus DS Geo GmbH

Administrative boundaries: Madagascar National Disaster Management Office (BNGRC)  
 Population data: WorldPop [2020]  
 Reference Water: ESRI 2020 Land Cover  
 Populated place: OpenStreetMap

Road data: OpenStreetMap  
 Waterways: OpenStreetMap  
 Background: ESRI Topography  
 Background (insets): ESRI Basemap  
 Analysis: United Nations Satellite Centre (UNOSAT)  
 Production: United Nations Satellite Centre (UNOSAT)