

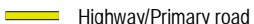












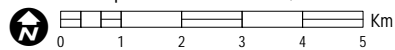
## Satellite Detected Waters (08 March 2017) in Maroantsetra area, Analanjirofo region, Madagascar

This map illustrates satellite-detected flood waters over Maroantsetra area, Analanjirofo region in Madagascar as observed from the TerraSAR-X radar image acquired on 08 March 2017 compared with Radarsat-2 image acquired on 04 May 2014. Several zones seem to be inundated and have experienced an increase of standing waters. These zones are mainly agricultural and/or swamps around the town of Maroantsetra. These waters seem to be the results of the recent heavy rain related also to the cyclone ENAWO-17 which made landfall the 07 March 2017. It is likely that flood waters have been systematically underestimated along highly vegetated areas along main river banks and within built-up urban areas because of the special characteristics of the satellite data used. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR UNOSAT.

### Legend

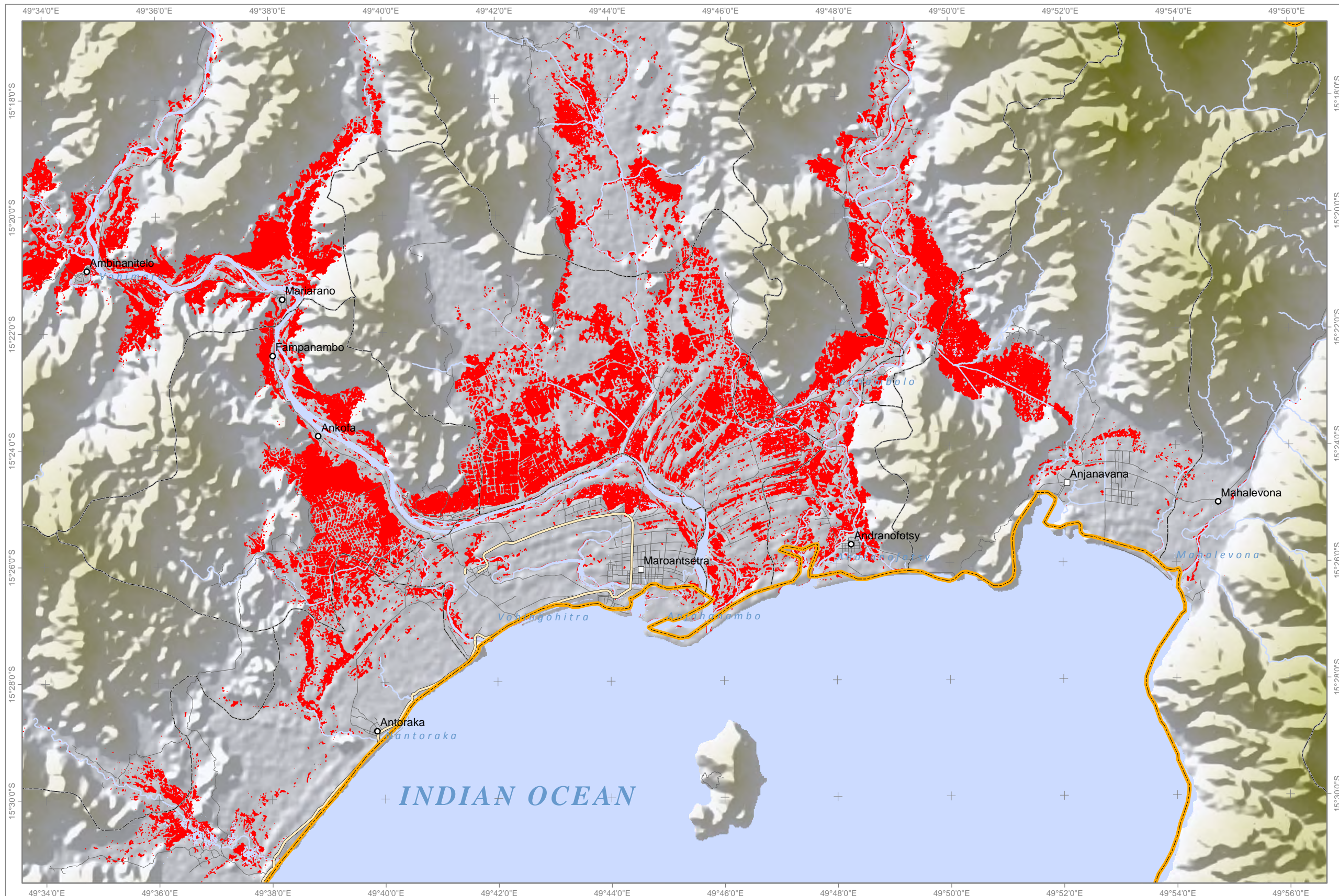
-  Village
-  City/Town
-  Highway/Primary road
-  Secondary road
-  Local/Urban road
-  River
-  Region boundary
-  District boundary
-  Commune boundary
-  Satellite detected waters : 04 May 2014
-  Satellite detected waters : 08 March 2017

Map Scale for A3: 1:125,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 39S  
Projection: Transverse Mercator  
Datum: WGS 1984  
Units: Meter



Satellite Data (1): TerraSAR-X  
Imagery Dates: 08 March 2017  
Resolution: 8 m  
Copyright: TerraSAR-X/TanDEM-X © DLR e.V. 2017, Distribution Airbus DS Geo GmbH  
Source: DLR

Satellite Data (2): Radarsat-2  
Imagery Dates: 04 May 2014  
Resolution: 6 m  
Copyright: MacDonald, Dewitter and Associates, Ltd. (2017)  
Source: CSA

Baseline Data : HDX, OCHA & WFP, OpenStreetMap  
Analysis : UNITAR UNOSAT  
Production: UNITAR UNOSAT



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