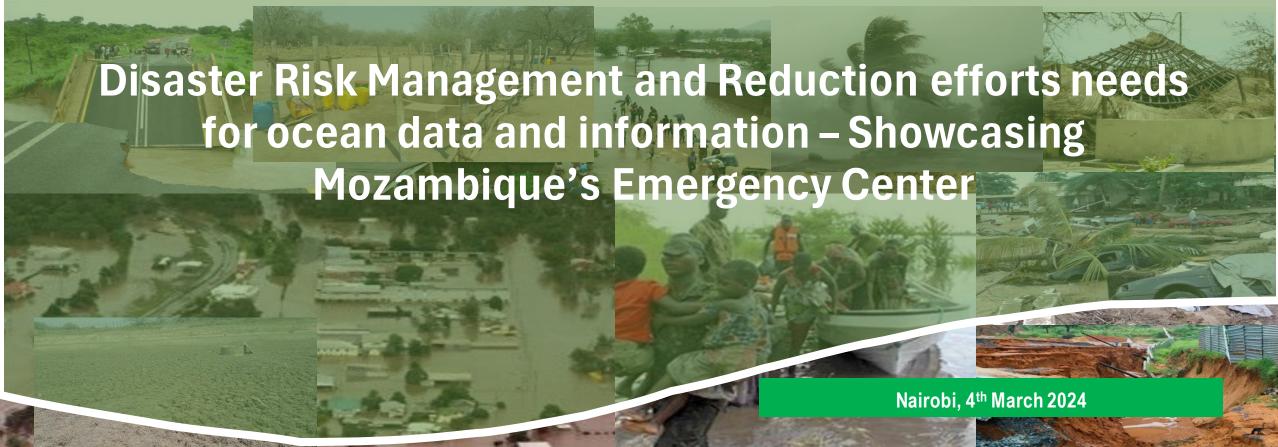


REPÚBLICA DE MOÇAMBIQUE INSTITUTO NACIONAL DE GESTÃO E REDUÇÃO DO RISCO DE DESASTRES





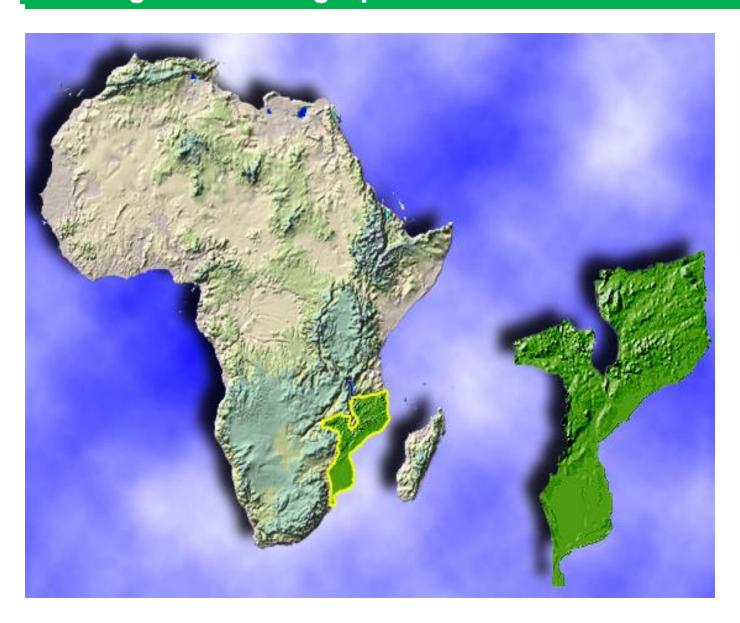
CONTENTS



- I. Background;
- II. Major Hazards and Impacts;
- III. Legal Framework for Disaster Risk Management;
- IV. DRM's Multisectoral Approach
- V. Information Management for DRM;
- VI. Challenges.

I. Background: Geographic Profile





General information:

Coordenates: 10-26° S, 30-45° E

Area: 799.380 km2

Coastline extension: 2.515 km

Climate: Tropical and Subtropical

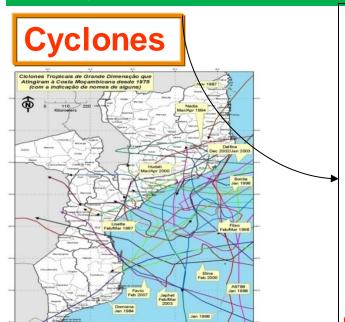
Why prone to natural hazards?

- Intertropical Convergence Zone
- Southern African Thermal Depression Area
- Arid and Semi-Arid Zones
- Rift Valley
- Shared international river basins

II. Major Hazards and Impacts



Floods



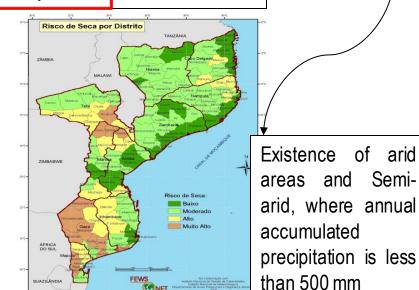
INAM ING

Afectados por provincia

População afectada

Some cyclones with greater impact:

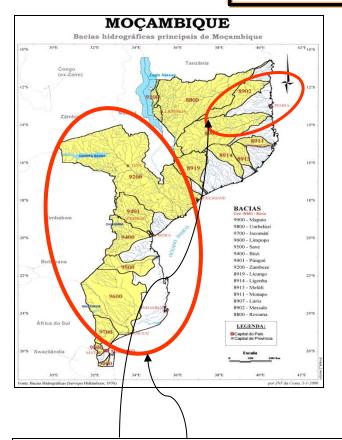
- 1.Claude 1964.
- 2. Felicia 1978,
- 3. Demoina 1984.
- 4. Nadia 1994:
- 5. Hudah, Gloria, Eline in 2000;
- 6. Jafete 2003,
- 7.Boloetse 2006
- 8. Favio in 2007;
- 9. Jokwe, 2008
- 10. Dineo, 2017;
- 11. Idai, Kenneth, 2019;
- 12. Gombe, 2022;
- 13 Freedy, 2023



Drought

of

Semi-



Nine main river basins in Southern Africa flow into the Mozambican coast

Mapa de Impactos por distritos Meios usados 12 Camioes e 2 Carros Anfibio

Fonte de Dados: INGD CENOE Feedback: cenoeinformacao1@gmail.com www.ingd.gov.mz www.facebook.com/INGD.Mocambique,

II. Major Hazards and Impacts



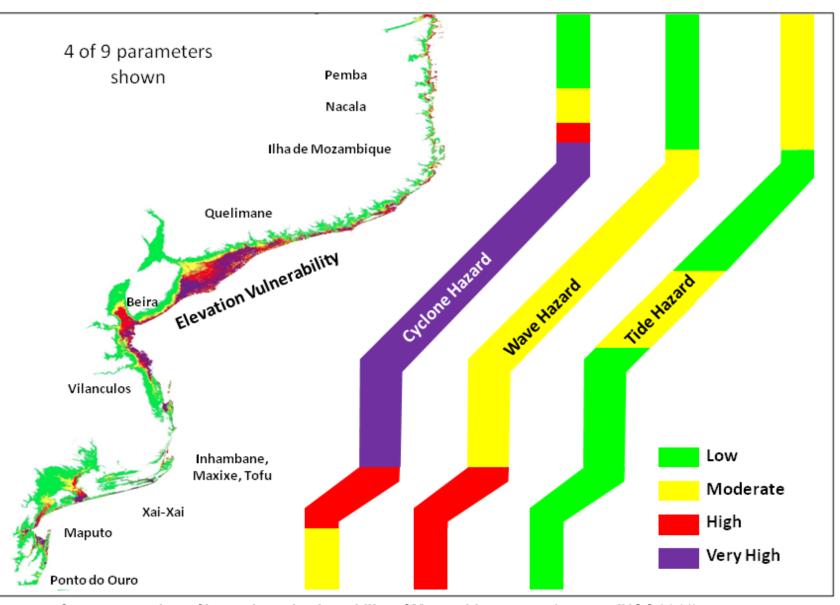
Climate Change Factors

Rising sea levels

- Flooding and inundation
- Erosion of coastal areas

Extreme weather conditions

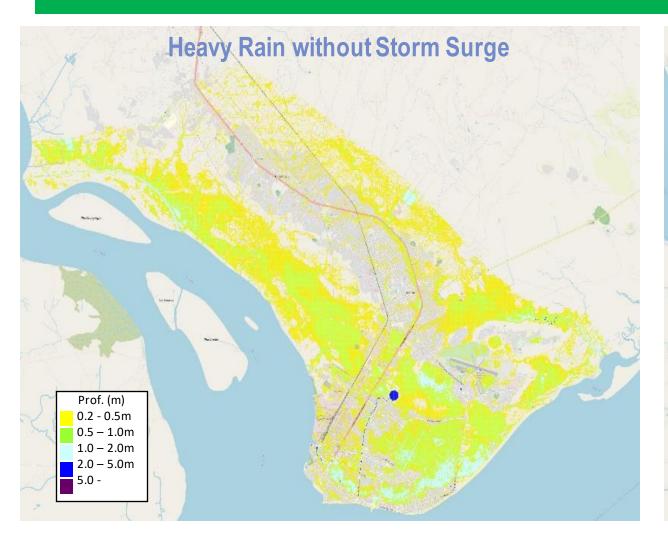
- Tropical cyclones
- Storms
- Floods
- Wind

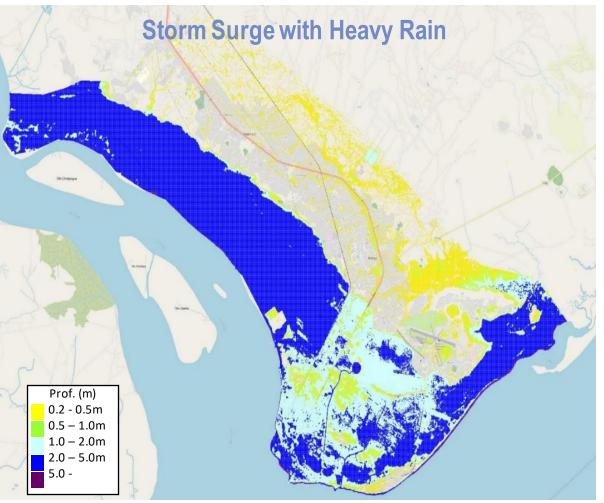


Coarse overview of hazards and vulnerability of Mozambican coast (source: INGC 2011)

II. MAJOR HAZARDS AND IMPACTS: STORM SURGE INFLUENCE IN BEIRA CITY





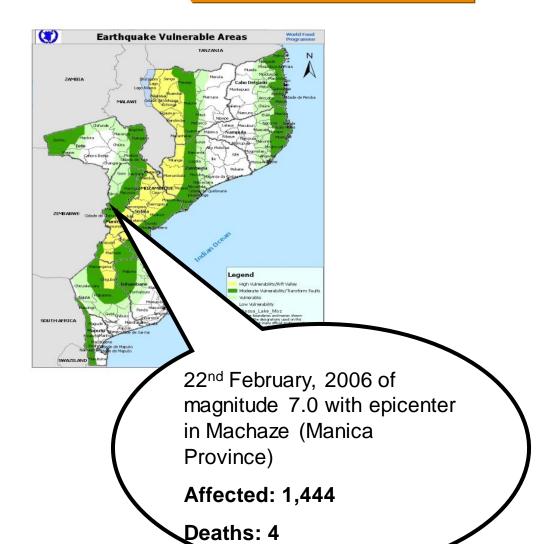


Hazard map that reflects the situation of rain and storm surge caused by the cyclone at the change of high tide.

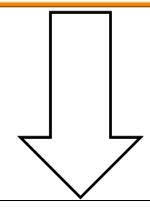
II. Major Hazards and Impacts



Earthquakes



EPIDEMICS AND PANDEMICS



The most common diseases are malaria and cholera.

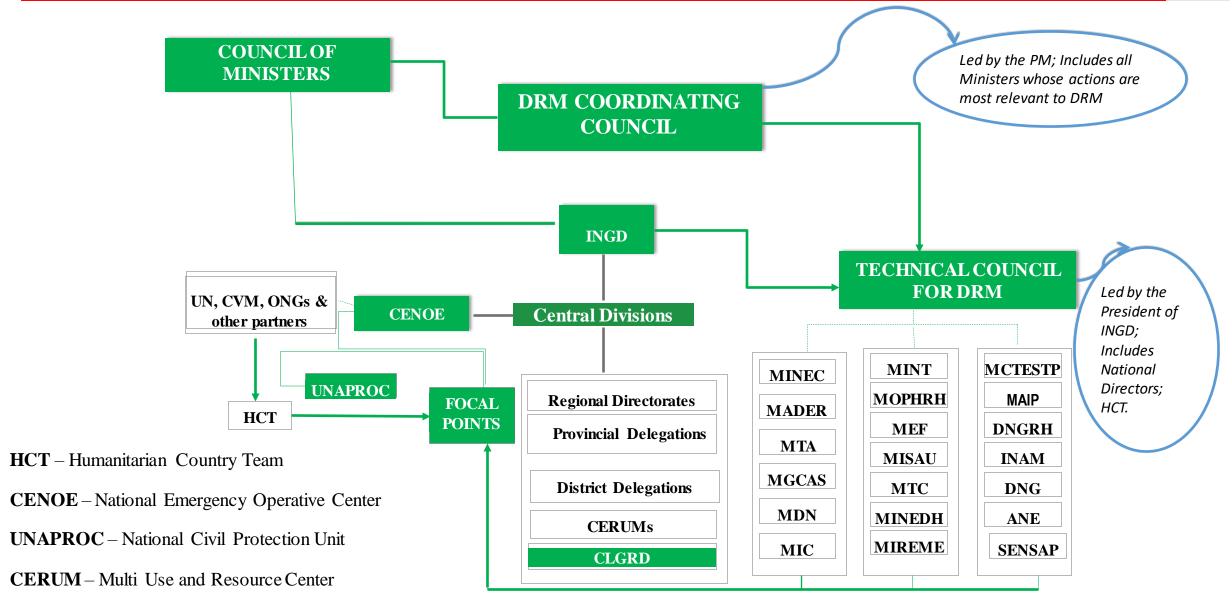
III. LEGAL FRAMEWORK ON DISASTER RISK MANAGEMENT AND REDUCTION



- a) Law (10/2020) and Regulation (76/2020) on Disaster Risk Management and Reduction;
- b) Master Plan for Disaster Risk Reduction 2017-2030;
- c) Disaster Management Fund, approved by Decree 53/2017, 18 October;
- d) Policy and Strategy for IPDs Management Resolution 42/2021 of 8 September;
- e) Regulation for the operationalization of the Integrated platform for disseminating and communicating early warning for floods and cyclones (Decree No. 27/2022 of June 6, 2022);
- f) Strategy for the information flow system for Early Warning of Floods and Cyclones;
- g) National Financial Protection Plan against Disasters (June 2022).

IV. DRM STRUCTURE AND COORDINATION MECHANISM





CLGRD – Local Committees for DRM

IV. DRM STRUCTURE AND COORDINATION MECHANISM: ROLES OF INGD AND CENOE



INGD:

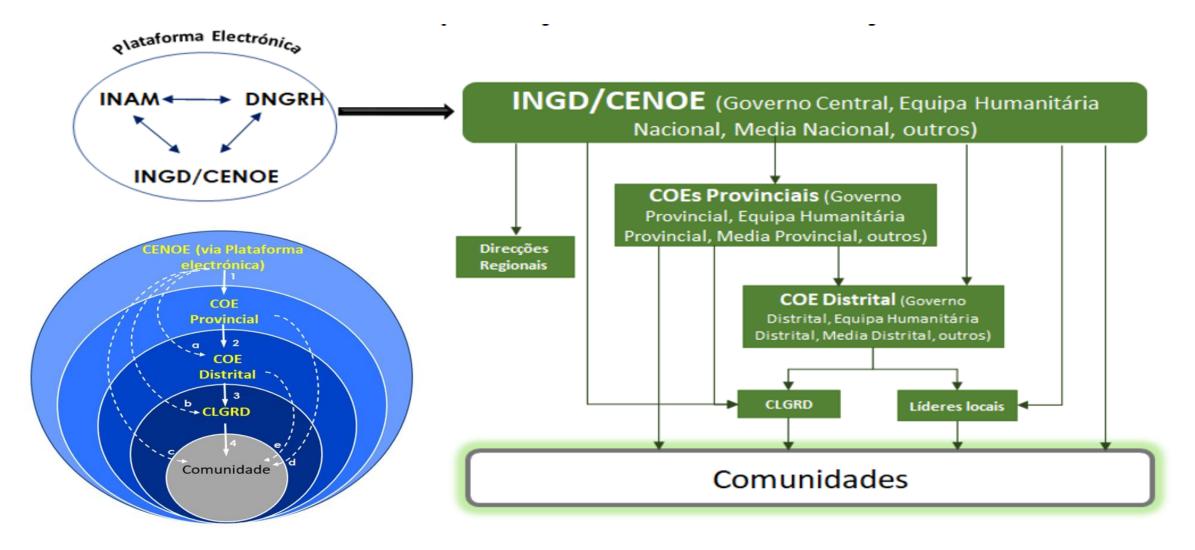
- a. prevention, mitigation, preparedness and response to disasters;
- b. Emergencies response;
- c. the development of arid and semi-arid zones;
- d. post-disaster reconstruction;
- e. the National Civil Protection Unit;
- f. resilience and disaster risk management programs.

CENOE:

- a. Monitoring extreme events;
- b. Collect, process, analyze and disseminate information on disasters or emergencies in a timely manner;
- Establish working rules for actors involved in responding to emergencies;
- d. Carry out, in coordination with other units, emergency operations;
- e. Propose the activation and deactivation of alerts.

V. INFORMATION MANAGEMENT FOR DRM: INFORMATION FLOW FOR EARLY WARNING



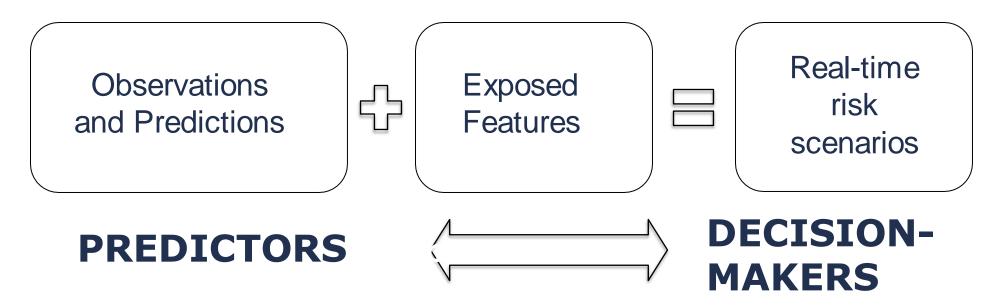


V. INFORMATION MANAGEMENT FOR DRM: myDEWETRA Platform



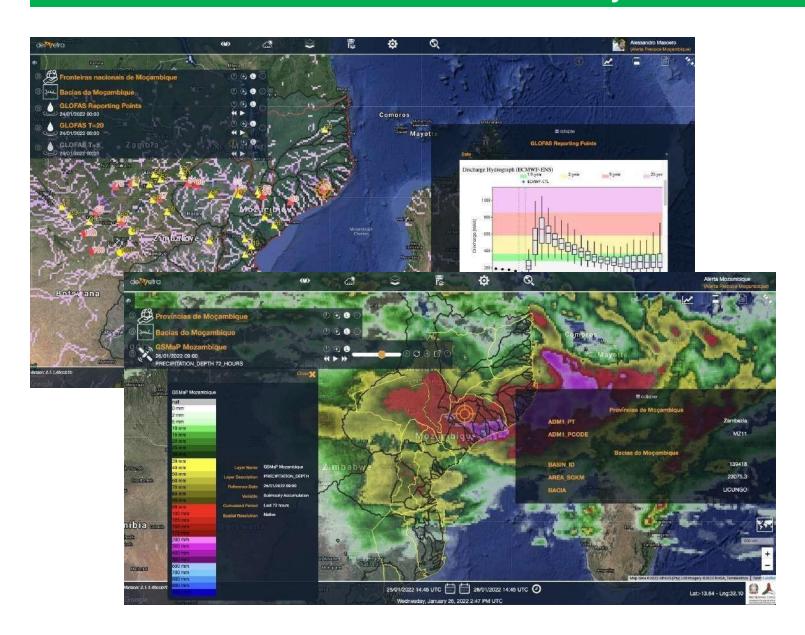
myDewetra is a platform for creating risk scenarios in real time, which allows preventive measures to be taken and reduces the impacts of the predicted event.

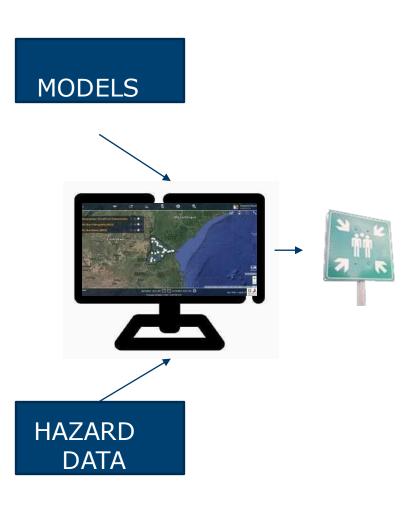
MULTI-RISK PREDICTION AND MONITORING PLATFORM



V. INFORMATION MANAGEMENT FOR DRM: myDEWETRA Platform



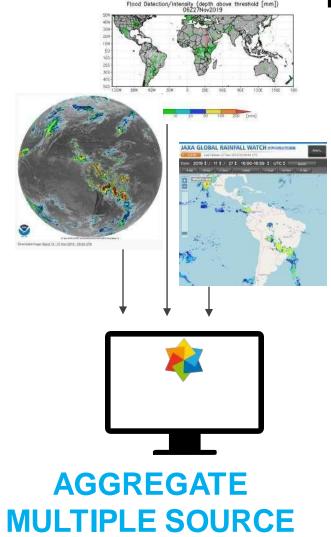


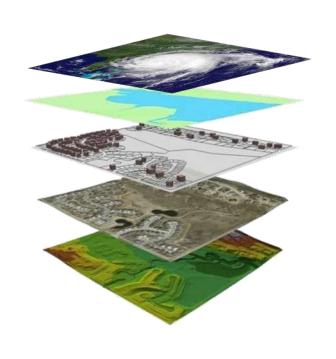


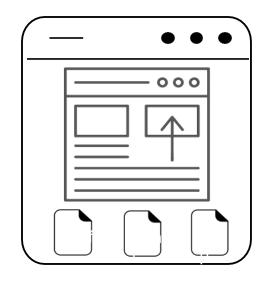
V. INFORMATION MANAGEMENT FOR DRM: myDEWETRA Platform

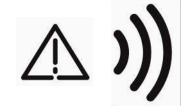


RAPID AND ACCURATE INFORMATION







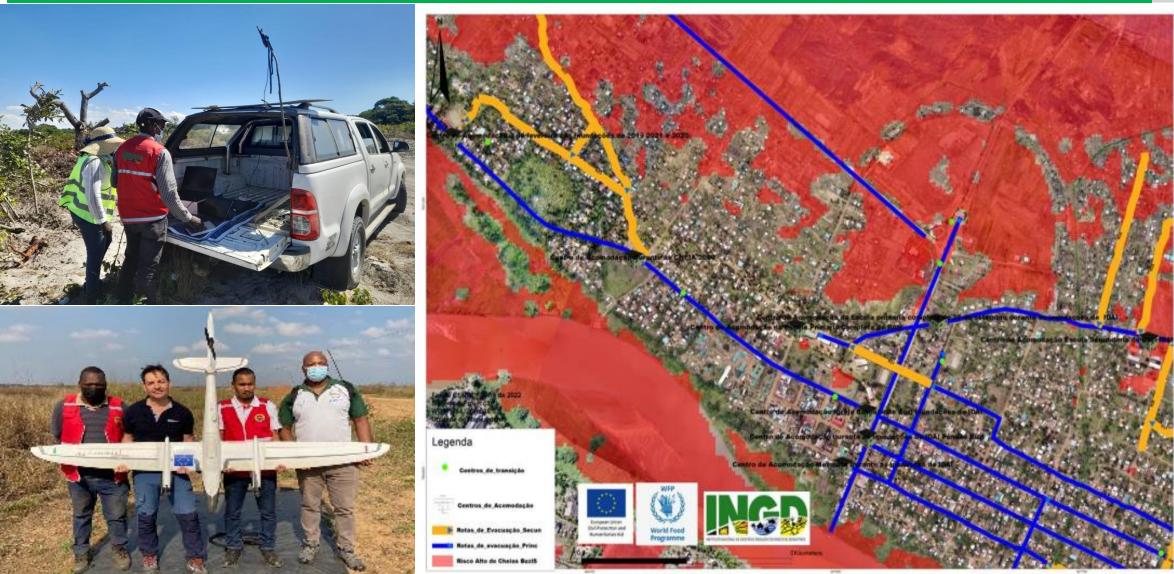


OVERLAP

COMMUNICATING

V. INFORMATION MANAGEMENT FOR DRM: Use of Drones





Hazard map of Buzi Village, showing areas at risk of flooding (red areas) produced by CENOE using drone images

VII. CHALLANGES



- Lack of data on saline intrusion;
- Lack of information on actual trend of Sea level rise;
- Limited funding for DRR interventions and Emergency response;
- Human resources capacity at local level on information management system and others;
- Access to realtime information on tide associate to extreme weather events.



Thank you for your attention!

"MAIS VALE PREVENIR QUE REMEDIAR"