



# Experience of an Operational Flood Warning Management System, Central Mozambique (SIDPABB)

*By*

*Moisés Vicente Benessene*

*Meteorologist – INAM*

*moises\_b@inam.gov.mz*



# Outline

- 
- Introduction
  - What is SIDPABB?
  - What is its goal and aims?
  - Who are the SIDPABB consortium partners?
  - Measurements and training of volunteers
  - Capacity building of volunteers
  - Dissemination of data and warning information.
  - Awareness raising/training of local communities
  - Improvement of Hydro-meteorological network (2004 - 2006)
  - Simulation of a cyclone triggered flood event (warning, evacuation, response)

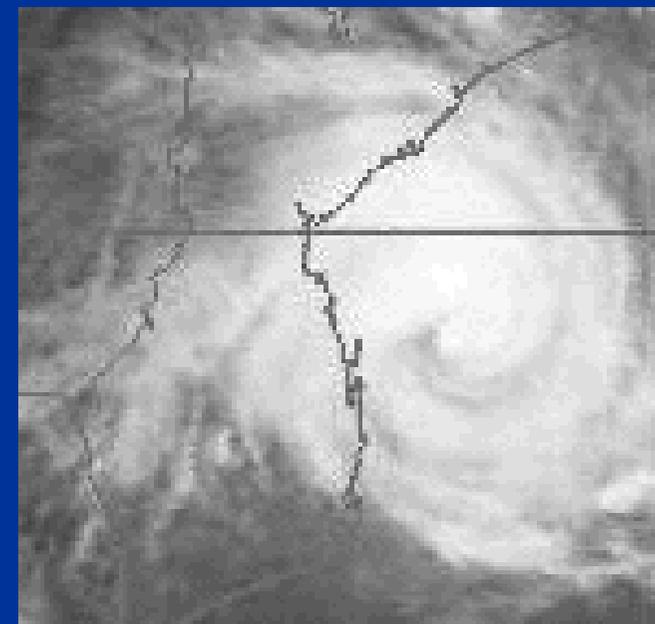
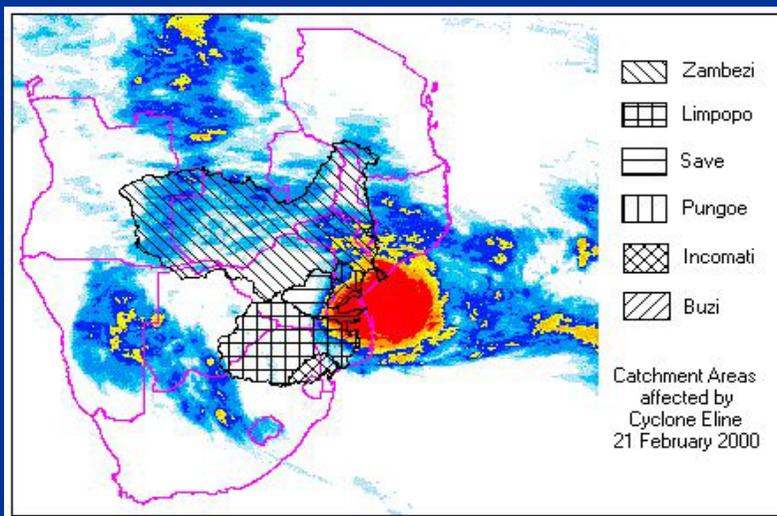
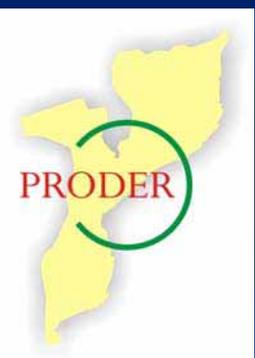


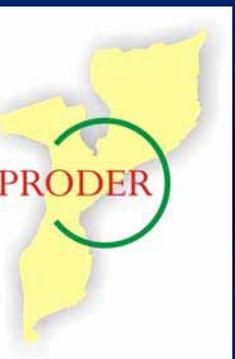
gtz



Munich Re  
Foundation

# Mozambique is extremely vulnerable to natural disasters such as tropical cyclones, floods and droughts.



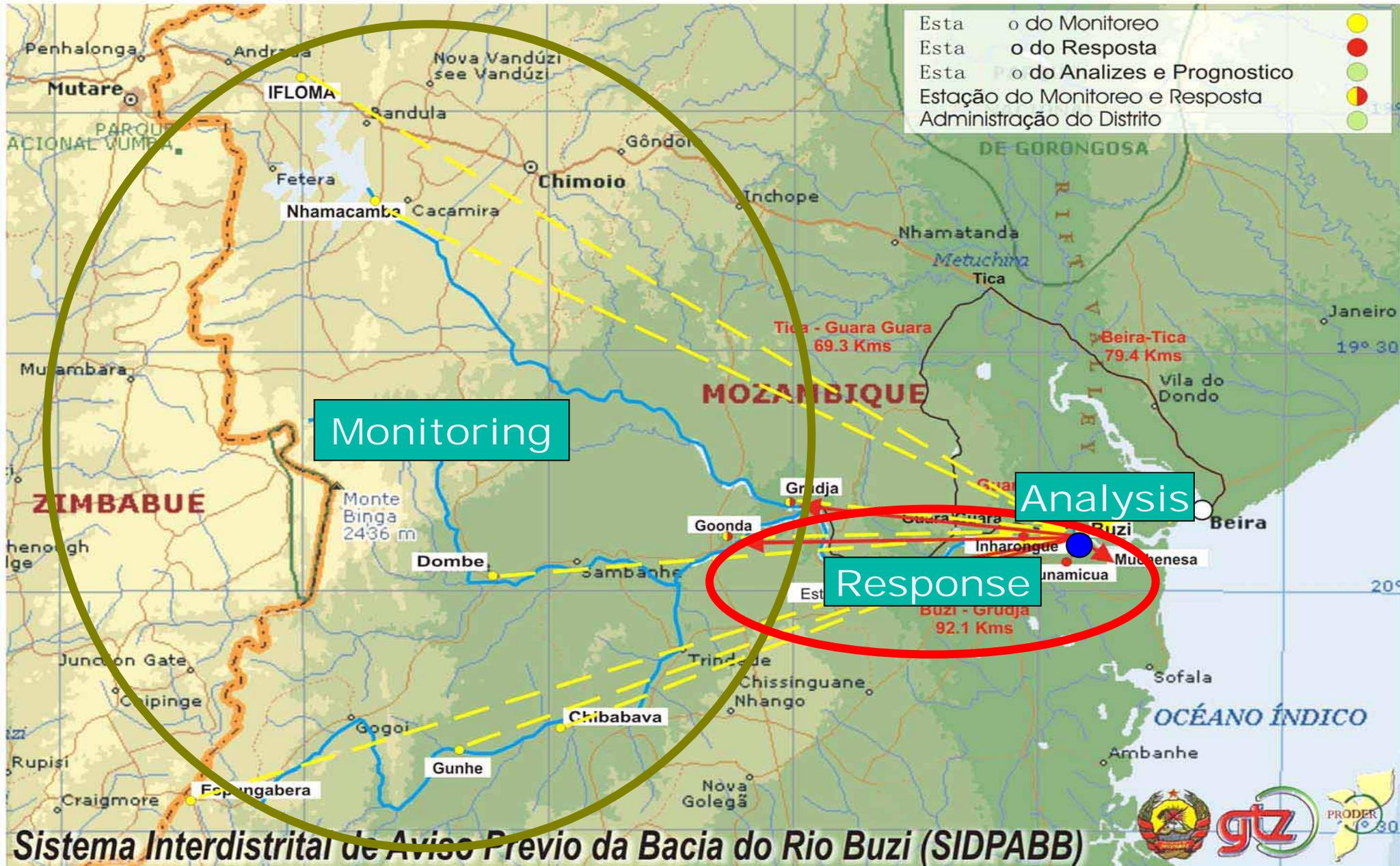


# What is SIDPABB?

■ The rationale of ‘monitoring, analysis and response’ behind the Inter District Operational Flood Warning System for the Buzi River Basin (SIDPABB), represents an important contribution to DRM at local level and the momentum currently generated points towards the potential of a properly integrated information system operating from higher level monitoring and following through to local level improved response.

# PRODER

## Programa de Desenvolvimento Rural Gestão de Risco de Calamidades (GRC) Disaster Risk Management (DRM)



Distancias aproximadas





# What is its goal and aims?

- 
- This project is designed to mitigate the effects of floods in Buzi River Basin through effective people-oriented inter-district operational flood warning management system.



The specific aims are:

Develop a people-oriented inter-district operational flood warning management system for the catchments area of the Buzi River.

Develop resilient schemes that will be able to take advantage of improvements in data availability.

Develop dissemination schemes that are readily to facilitate a rapid exchange of data and information to early decisions for flood mitigation and disaster management.

Promote international collaborative efforts that will provide data and tools necessary for the prediction schemes.

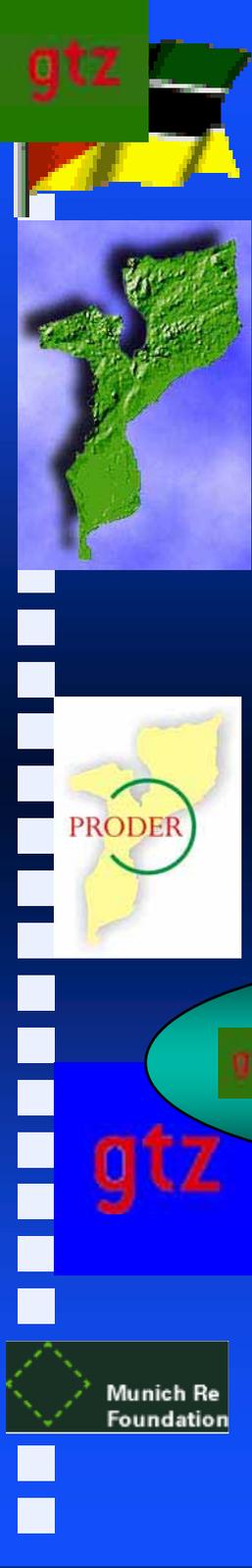
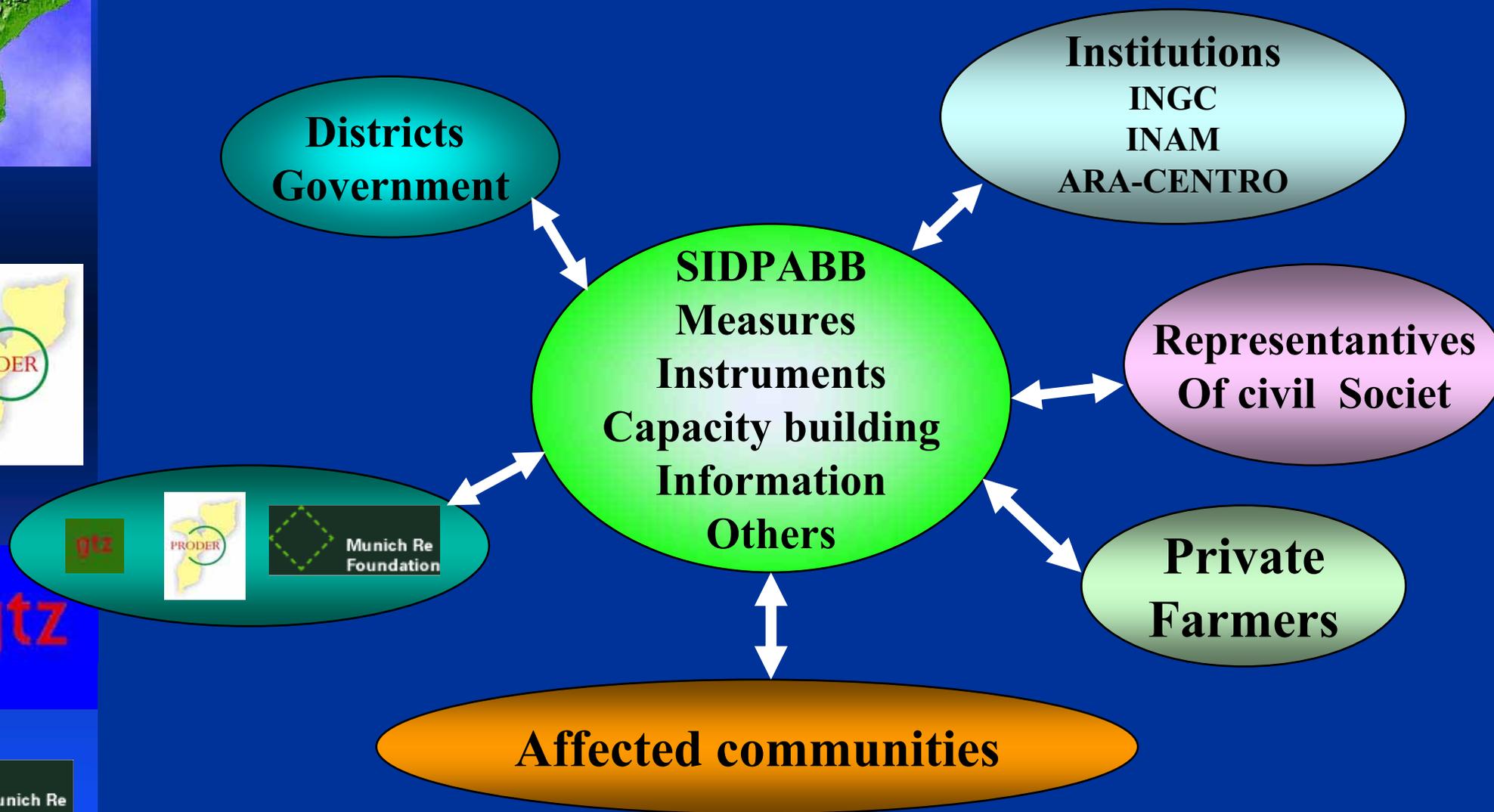


gtz

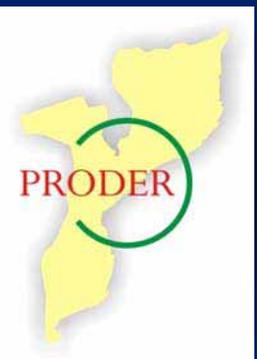


Munich Re  
Foundation

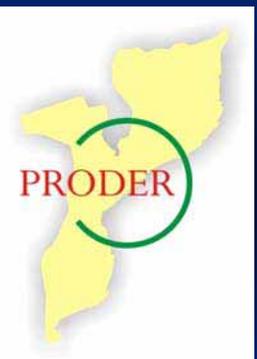
# Who are the SIDPABB consortium partners?



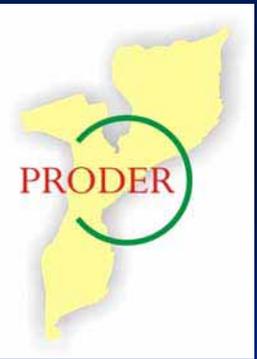
# Measurements and training of volunteers



# Capacity building of volunteers

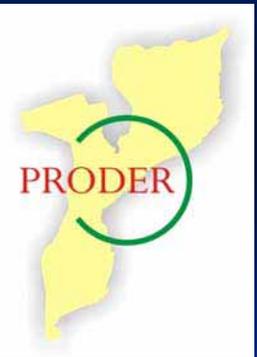
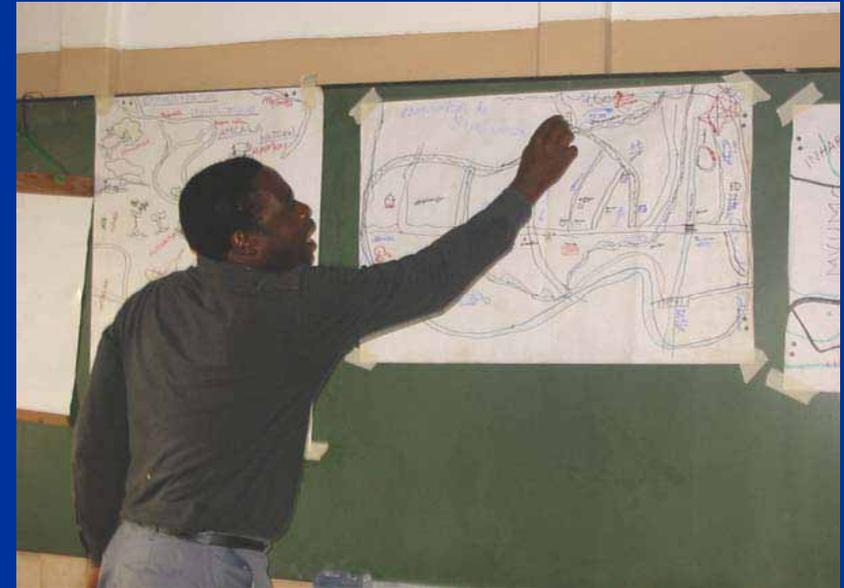


# Dissemination of data and warning information.

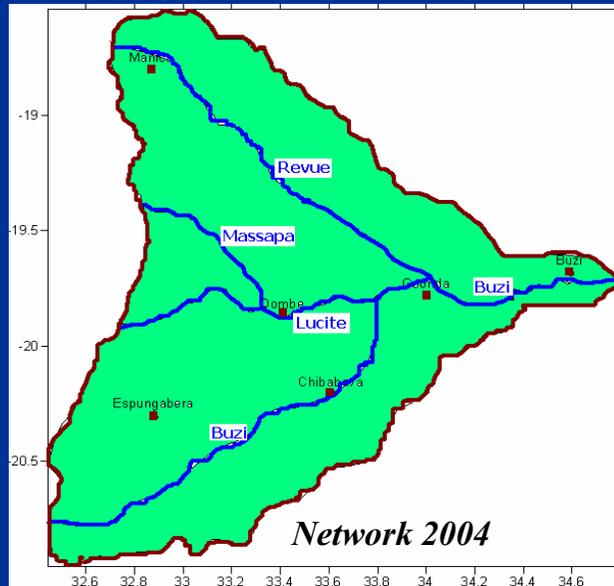


# Awareness raising/training of local communities

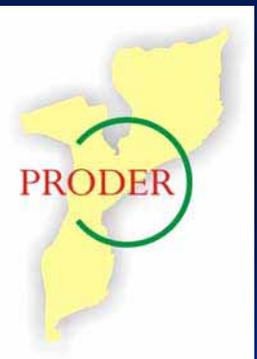
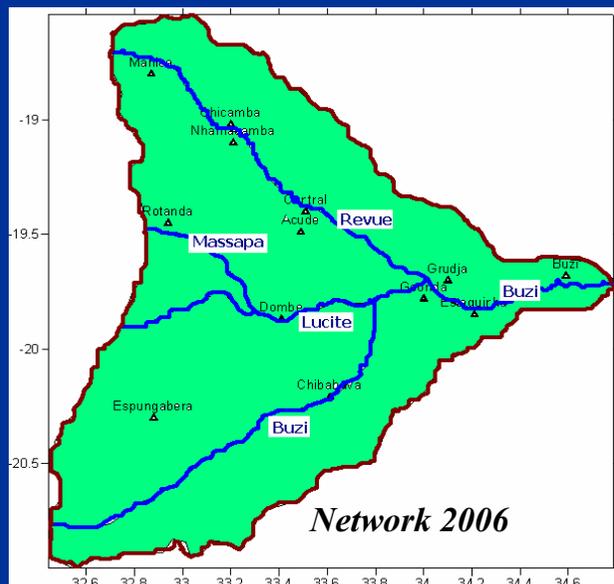
A detailed risk analysis with community participation in floods prone areas



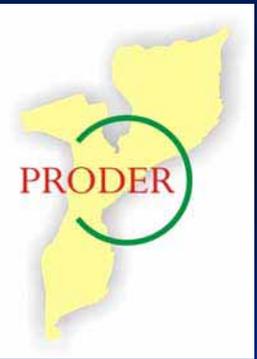
# Improvement of Hydro-meteorological network (2004 - 2006)

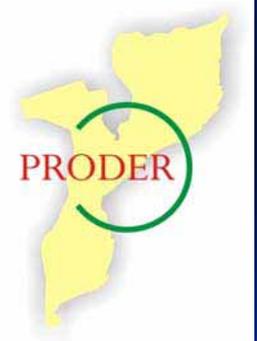


- In the period of 2004, there were 6 stations which took a month to send the data.
- In 2006, after SIDPABB, the hydro-meteorological network increased to 14 stations and data were received on a daily basis.



# Simulation of a cyclone triggered flood event (warning, evacuation, response)





SIMULAÇÃO DO SISTEMA INTER-DISTRITAL DE AVISO  
PRÉVIO DA BACIA DO RIO BÚZI (SIDABB).  
DISTRITO DO BÚZI  
INHARONGUE 24 DE NOVEMBRO DE 2005



Thank you very much