



Mozambique and its Vulnerability to the effects of Extreme Weather events

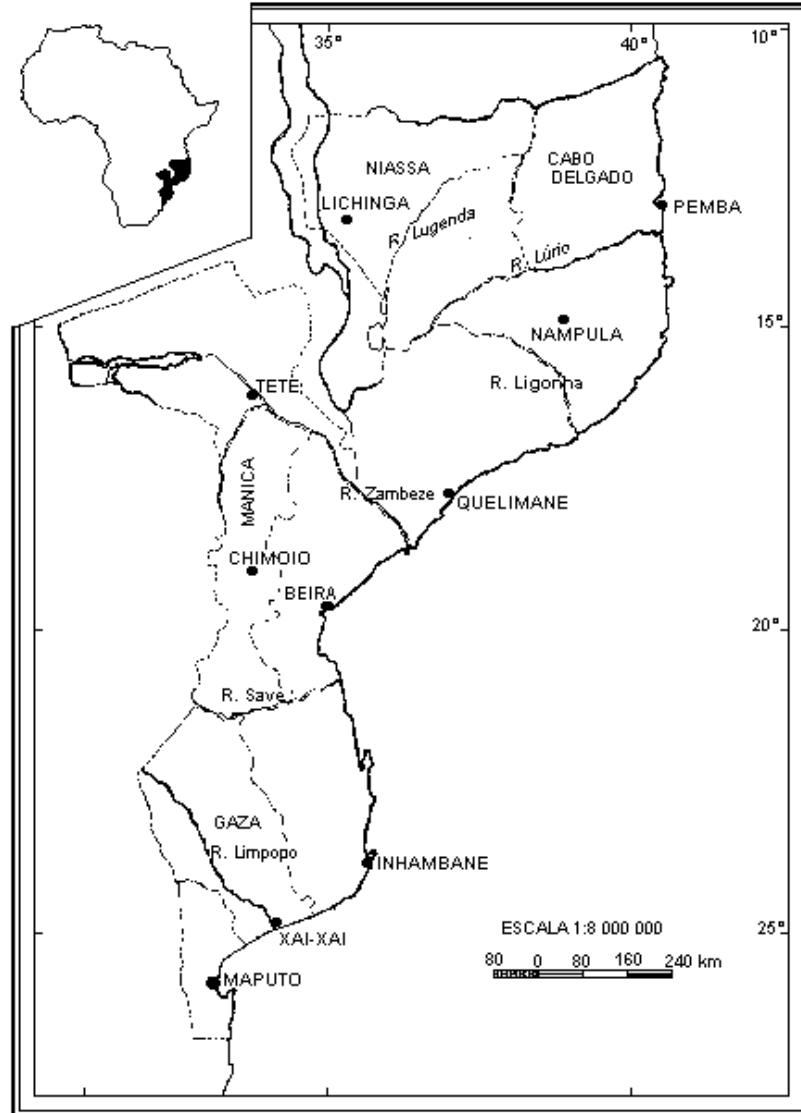
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Mozambique is located on the Eastern coast of Southern Africa, between:

Lat. $10^{\circ}27' S$ and $26^{\circ}52' S$ Long. $30^{\circ}12'$ and $40^{\circ}51' E$

The total land area is 784,090 km² and coastal line length of 2515 Km

The Climate is tropical, with two seasons: Hot and Wet (October to April) and Cold and Dry (May to September)

The Moz. Population ~17 Milion

Agriculture is the basic activity by which 80% of Mozambicans relies





Mozambique is highly vulnerable to weather-related natural disasters such as:

- Tropical cyclones
- Floods
- Droughts





The level of vulnerability it's aggravated due to:

- Geographic Location
- Limited ability on extreme weather forecast
- Reduced capacity to adapt to natural disasters (poorest conditions of the most population)
- High climate variability





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Potential subregions mostly affected by natural disasters

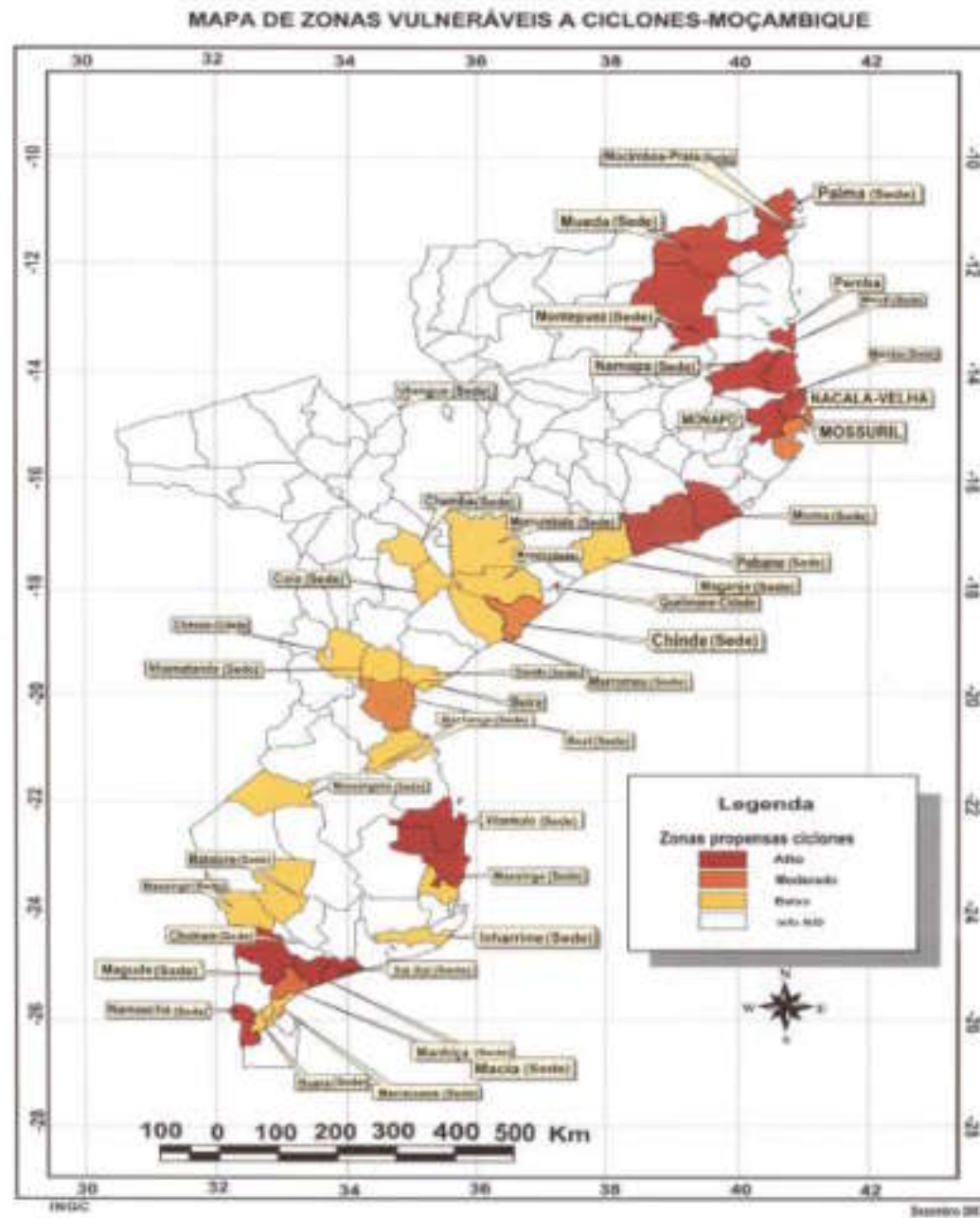




Tropical cyclones

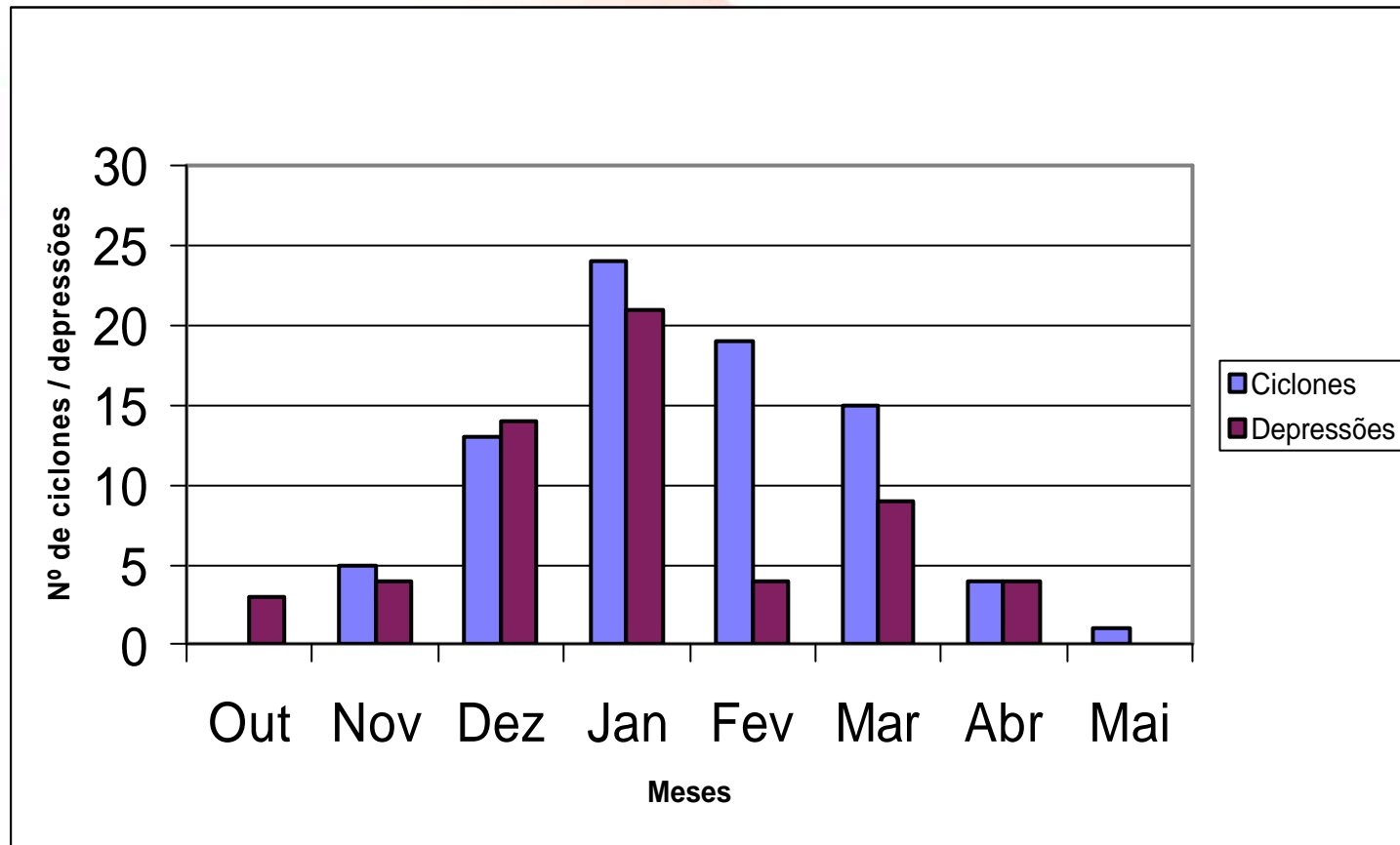


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Number of tropical cyclones and depressions that hit the coast of Mozambique (1911-2000)

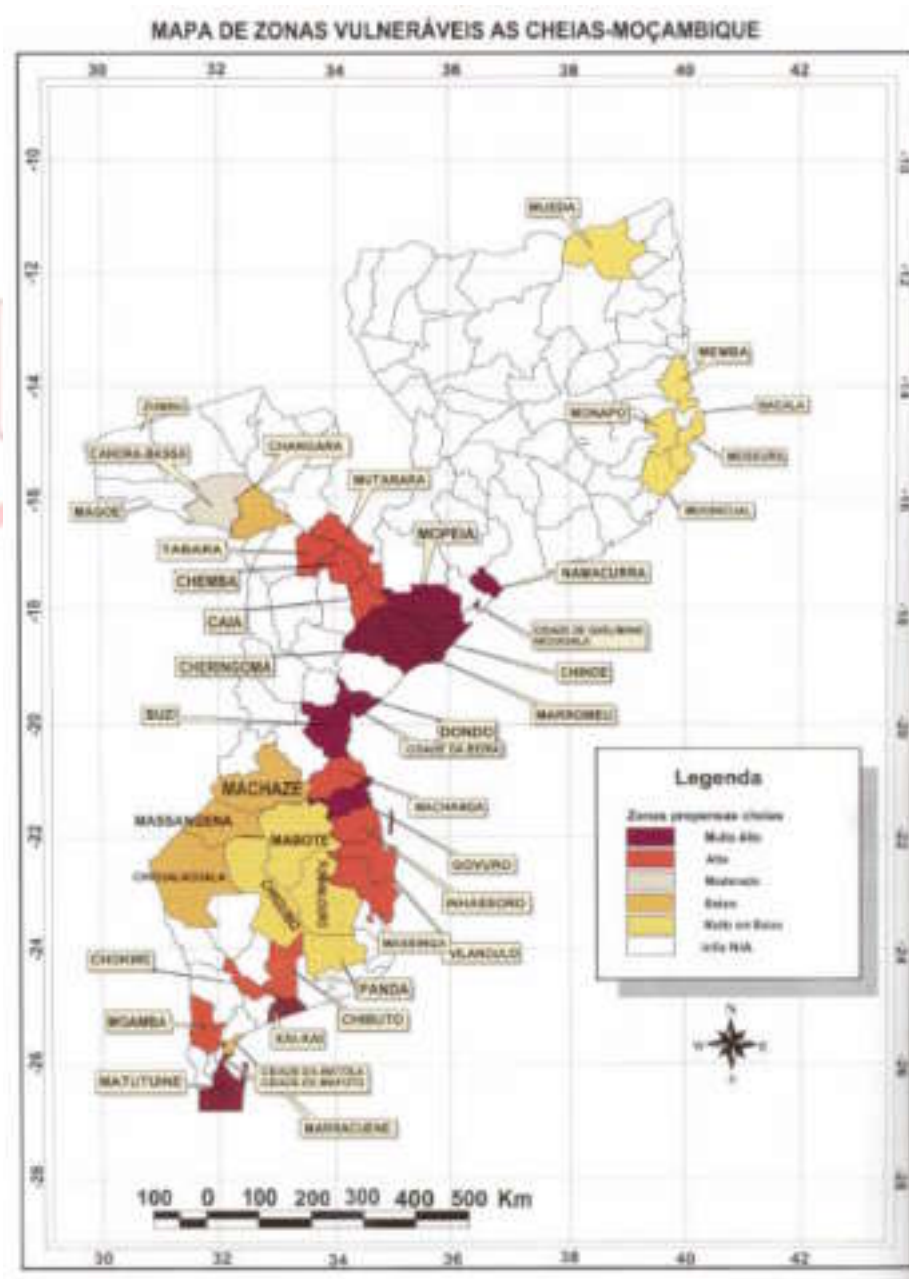




Floods



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Recent floods occurred in 2000, with catastrophic consequences for Mozambique



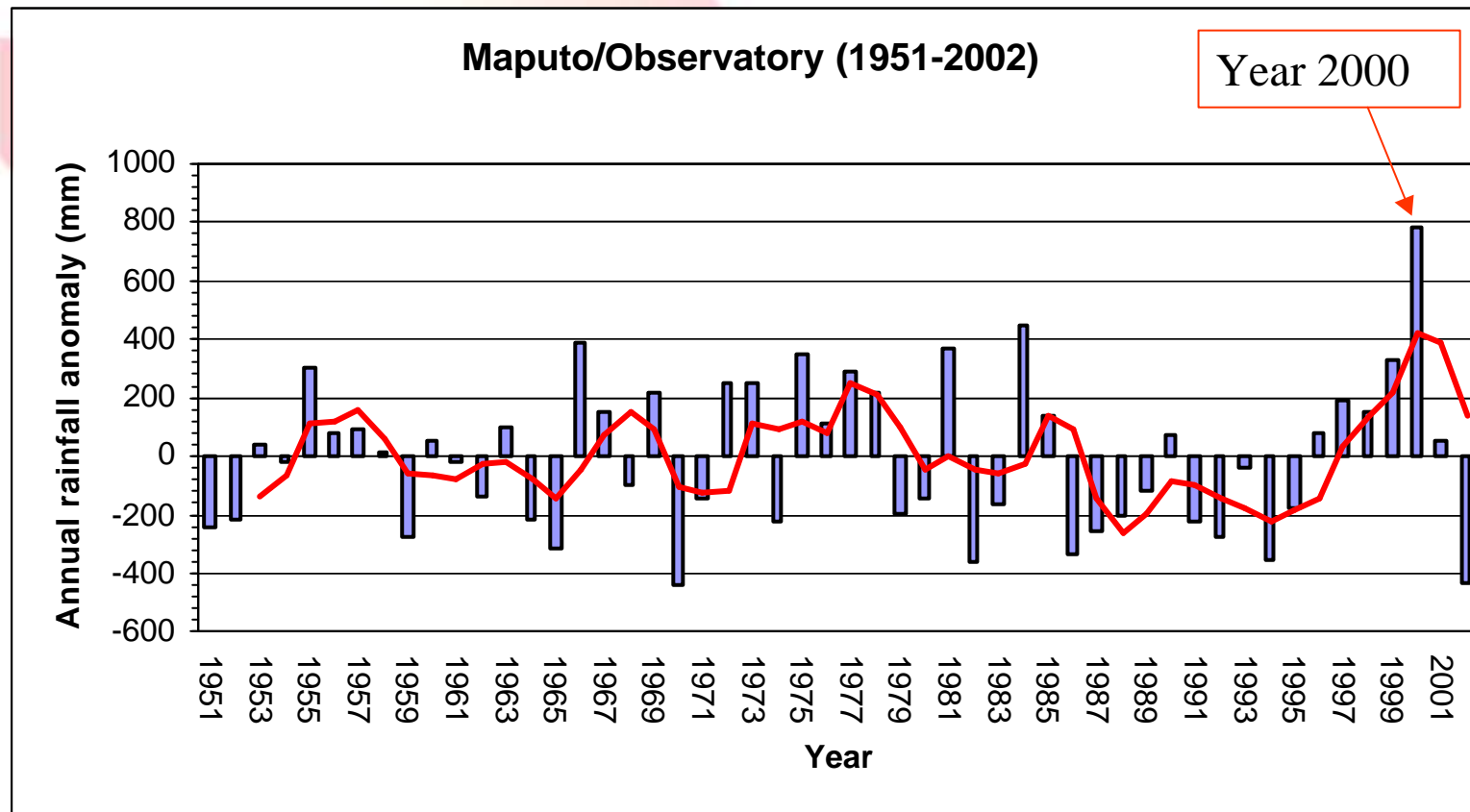
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- About 600 people died
- > 500 000 displaced
- Wide-spread destruction of infrastructures
- The combined losses were about US\$600 million





Very high unprecedented flood event in 2000





Food insecurity



UNFCO





Diseases Burden

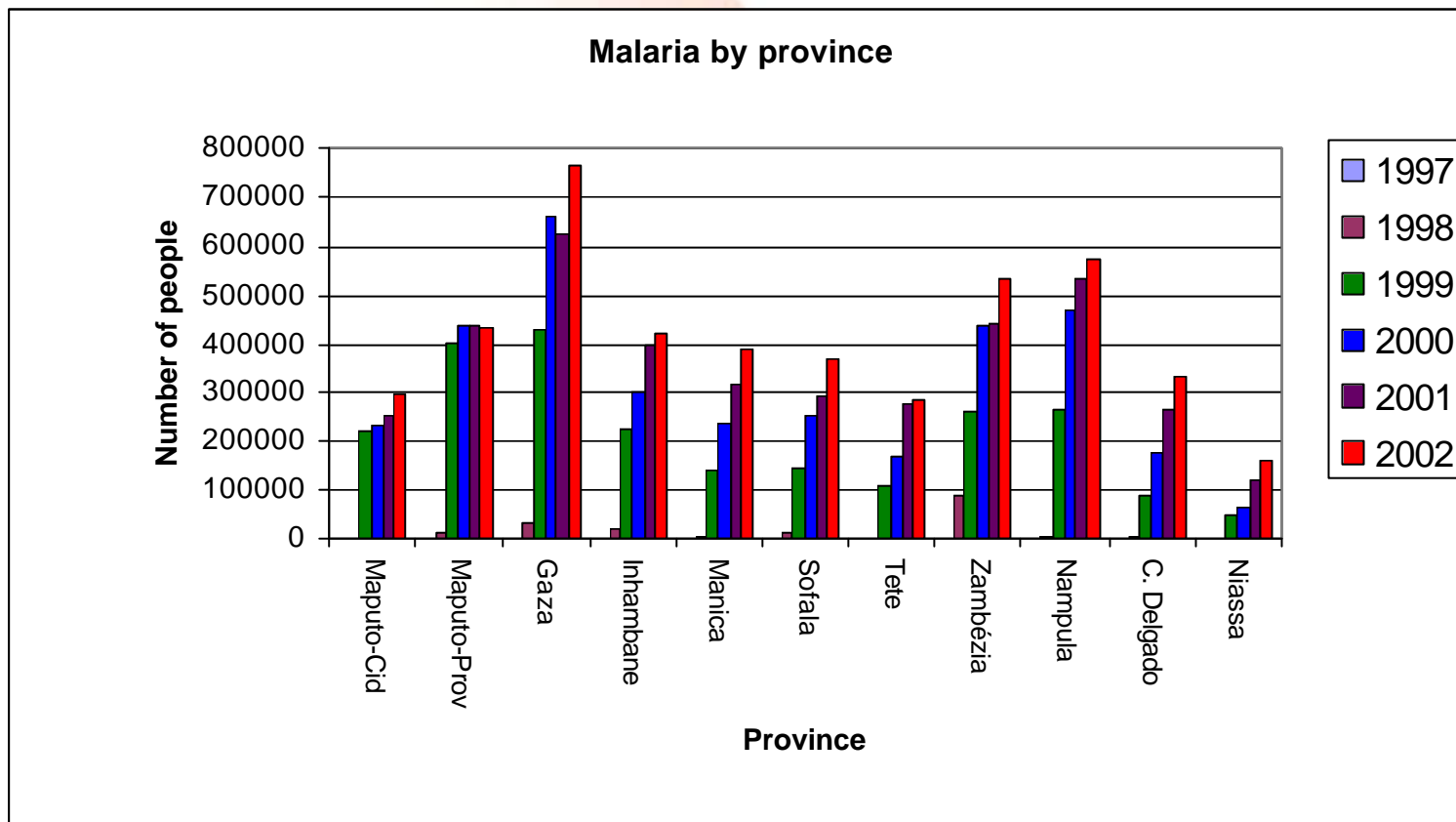


- High rate of Malaria infectious all over the country
- High indices of cholera outbreaks during the wet season, mainly in urban settlements
- HIV/AIDS the new dilemma





Number of people affected by Malaria by province (1997-2002)





Concluding Remarks

- In Mozambique the level of vulnerability to natural disasters and epidemic diseases is very high
- According to the IPCC, the vulnerability is function (geographic location, time, social economic and environmental conditions)
- The ability to adapt is a function of wealth, technology, information, skills, infrastructure, etc.





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How to build successful adaptation measures for country like Mozambique?





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Thank you for your attention

