Outline:

- Introduction
- Impacts of Climate Change
- Experiences and challenges
- Perspectives
- Conclusions
Mozambique is a country vulnerable to the adverse impacts of the Climate Change. It’s geographical location accounts for this vulnerability.

Climate projections indicate that Mozambique will experience increased temperatures, delayed start of the rainy season, and an increase in the frequency and intensity of extreme weather events, which will place additional pressure and challenges on the health sector.

The “Instituto Nacional de Saúde” of Mozambique (INS) is showing its commitment to the Climate and Health issues from the past 5-6 years.
The number of extreme weather events is historically variable along the time in the country, dominated by droughts, floods and tropical cyclones.

Trend of events recorded in the period 1980–2019, denotes a significant increase in the number of cyclones and floods from the 2000s onwards, together with a reduction in drought episodes.

The disease burden is dominated by communicable diseases, especially some climate-sensitive diseases such as malaria, diarrhea and cholera.
IMPACTS OF CLIMATE CHANGE (2)

Around 12 episodes of droughts affected the country. Although in 2015-2016 severe droughts affected more than 1.500 M people.

About 20 events of floods affecting the main watersheds.

Around 21 events of cyclones affecting the country’s coast. Only Cyclone Idai (a category 4 cyclone), struck Mozambique on 14 March 2019 affecting five provinces with heavy rains, severe flooding, and devastating winds. Nearly 1.85 million people were affected with an official death toll of 603.
INS is also committed to advocacy in Climate Change and Health risks and impacts, in a sense that since 2016 convened the following meetings:

- Workshop for Health professionals for the awareness of the Impacts of Climate Change on Health

- Public Debate on the Impacts of Climate Change on Health

- Workshop of Communication of Climate Information on the Health Sector for the main stakeholders
Predictions on the health sector are being made since 2018 by INS through the National Observatory of Health dedicated platform to Climate, Environment and Health. This predictions take into consideration the Met Office forecast for the next rainy season.

This evidence are being included in the National Annual Contingency Plan for the management and reduction of risk disasters for the following rainy and cyclonic season.

This is one of the actions of INS, contribution to address the health inequalities resulting from the impacts of the extreme weather events.
In 2019, a Vulnerability and Adaptation assessment (V&A) of the health sector to the climate change was conducted.

- 42 districts (out of 161) showed a High to very high HVI (31.8% territory, 24.1% population).
- 8 districts with very high HVI.
- 15 of the 20 least vulnerable districts are urban (75%).

This is another action of INS contributing to provide evidence regarding health equity among the country.
INS is contribution to the generation of evidence, in a sense that it was possible to improve understanding of the process of adaptation to the climate change.

For example:
- the relationship between the communicable diseases and the climate factors;
- impact of extreme events on the diseases outbreaks and how to respond and manage such emergencies;
- roles and responsibilities at different levels (individuals, communities, nations, institutions and the private sector);
- and what level of is needed for public health decision-makers to act.
INS is committed to respond to emergencies as part of the health sector emergency response cluster for the impacts of the climate-related events, contributing with:

- Development and implementation of health information frameworks for emergencies;
- Development of early warning systems for diseases;
- Field epidemiology and outbreak investigations;
- Monitoring and evaluation of the health situation during and after the event.
INS is also committed to education and training in Climate Change and Health issues, in a sense that since 2019 this topics were included in post-graduation courses as a package of ONE-HEALTH module facilitated by INS qualified technicians. The Programs are listed bellow:

- Field Epidemiology Master Program
- Public Health Master Program
- Public Health Specialization Program
1. **Implementation of Climate, Environment and Health Research Agenda**, to promote the use of evidence for action to prevent, reduce and compensate environmental health inequalities.

2. **Monitoring environmental health risks**, through the installation of sentinel sites for observation of climate and health expanding the procedures to include social, spatial and environmental dimensions.

3. **Assess vulnerabilities in health care facilities**, so that facilities could be able to anticipate, respond to, cope with, recover from and adapt to climate-related shocks and stress, and even bring ongoing and sustained health care to their target populations, despite an unstable climate.

4. **Contribute to the awareness and education**, through lectures and trainings to doctors, health practitioners and other relevant health care professionals so that they take inequality in risk exposure into account when making decisions.

5. **Support the health sector on the implementation of National Plans for adaptation and mitigation**, such as NDC and H-NAP.
INS is being contributing for HEALTHY ENVIROMENTS & POPULATIONS, in Mozambique to:

1. **Monitor and Evaluation**, although more capacity should be acquired to conduct actions to measure the benefits of nature based-solutions;

2. **Protect, Promote and Educate**, and more commitment and actions are required in promoting health environments and lifestyles;

3. **Respond and Facilitate action**, a multi-disciplinary based interventions is still a challenge while addressing health inequalities.
THANK YOU FOR YOUR ATTENTION