



MOÇAMBIQUE

Conferência Internacional de Investimento
em Infraestruturas do Sector de Saúde

TITLE OF PRESENTATION:
GLOBAL EXPERIENCE ON RESILIENT AND SUSTAINABLE HEALTH INFRASTRUCTURE

PRESENTER'S NAME: EXCELLENT HACHILEKA
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República de Moçambique
Ministério da Saúde



World Health
Organization



UN-HABITAT



BACKGROUND AND CONTEXT

Mozambique Country context

- Geographical location in a seismically active region
- Exposure to extreme weather events - tropical cyclones, floods, drought and other
- Relatively poor road network and connectivity
- Relative deficit in human capacities, healthcare facilities and equipment
- Occasional fragility
- Financing Challenges

Resilient and Sustainable Health Infrastructure

- Buildings
- Technology
- Clean, reliable and affordable energy
- Smart waste management
- Appropriate Human, institutional and technical capacities



KEY CHALLENGES / ISSUES



Limited disaster resilient healthcare infrastructure / facilities



Slow uptake of emerging technologies in healthcare



Human resource capacity gaps in healthcare



Limited access to clean and reliable energy in parts of the country



Low capacities for clean and safe handling of clinical and hospital waste



Challenges to sustainable financing – private and public

PROPOSED SOLUTIONS OR STRATEGIES



Disaster and Climate resilient health infrastructure

Location, hazard responsiveness, local adaptability

Energy - Access to clean, reliable, and affordable renewable energy and backup power

Rainwater harvesting / Water purification systems

Early warning, Disaster preparedness, Evacuation procedures, Internet

Human capacities for design, construction maintenance,



Sustainable design of health infrastructure

Using energy-efficient technologies

Passive cooling techniques

Integrated healthcare facilities and services

Improved waste management



PROPOSED SOLUTIONS



Uptake of appropriate emerging technologies

Telemedicine
Artificial intelligence
Big data analytics



Partnerships for financing – RFM Hospital



EXAMPLES



The Nyanga Health Centre, Mozambique - a solar-powered hospital

Partnerships: 1 MW Solar PV system installed at the RFM Hospital in Eswatini

The Kisumu County Hospital in Kenya - using telemedicine applications to provide healthcare to rural communities

In Ghana, the government is using Big Data & analytics to track the spread of HIV/AIDS

The Buta Central Hospital, DRC – Built with locally-sourced materials

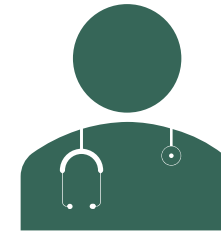
IMPLEMENTATION PLAN OR ROADMAP



Immediate actions

Start by installing backup power systems, water purification systems, RE systems on existing hospitals

Investing in retrofitting existing healthcare facilities to make them more disaster-resistant



Long-term actions

Investing in new technologies and practices to become more resilient, sustainable, and smart such as in telemedicine, artificial intelligence, and big data analytics

Investing in building new hospitals and clinics that are designed to withstand cyclones, floods and other shocks



Governo de Moçambique



CONCLUSION AND CALL TO ACTION/QUICK WINS

Our hospitals must be designed with smart technologies and materials to withstand natural disasters and other disruptions, improve the efficiency and quality of care, and to make the hospitals more resilient to disruptions

Partnerships for financing of Resilient healthcare infrastructure is a must – government, private sector, development partners, communities etc

We all have a role to play, and we must come together and act now



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THANKS