

Impacts of extreme weather on water and sanitation services

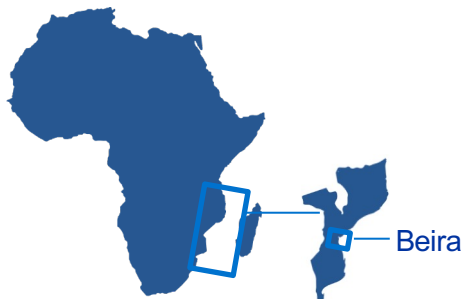
Cyclone Idai in Beira, Mozambique

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The city of Beira



Beira - population 600,000
More than 60% of population lives in informal settlements

Recent tropical storms in Beira

March 2019:	Idai
December 2020:	Chalane
January 2021:	Eloise

Citywide flooding caused by Cyclone Idai

Vila Massana

Chingussura

Mungassa

Ndunda

Nhangau

Inhaconjo

Alto da Manga

Vaz

Manga Mascarenhas

Munhava Central

Muave

Maraza

Chota

Mananga

Pioneiros

Esturro

Matacuane

Macuti

Chaimite

Macurungo

Ponta-Gea

Key



Area flooded



Community supported by WSUP

Climate changes impact on clean water and safe sanitation

Immediate impacts

- Water system out of action for at least a week, compounded by loss of power. Parts of system seriously damaged.
- Drainage and sewer system overwhelmed – raw sewage mixed with floodwater caused public health risk

Longer term response

- Lack of disaster response strategy from institutions responsible for water and sanitation
- Highlighted vulnerability of water network, and lack of safely managed sanitation for 90% of population
- Drainage a critical issue – importance of improved solid waste management

What have we been doing?

Immediate actions

- Financial and technical assistance to water and sanitation local authorities and stakeholders on recovering from the storm.
- Technical assistance to both water and sanitation authorities on improving the construction features of their assets on expansion projects.
- Financial support to the public services on being technically better prepared for project planning considering climate change.
- Support on creating a strong partnership in between stakeholders.

How to improve?

1. Beira sanitation authority now looking beyond the sewer network – need on investments over awareness and infrastructures improvements.
 - toilets, septic tanks etc – that can withstand flooding risk.
2. Need for improved citywide sanitation waste collection services to reduce public health risk when areas do flood.
3. Not just about WASH – importance of solid waste management.
4. Better constructions standards for all public services.
5. Definition of strategic responses for natural disasters.





Any questions?

OBRIGADO!

THANK YOU!