Presentation from 2016 World Water Week in Stockholm

www.worldwaterweek.org

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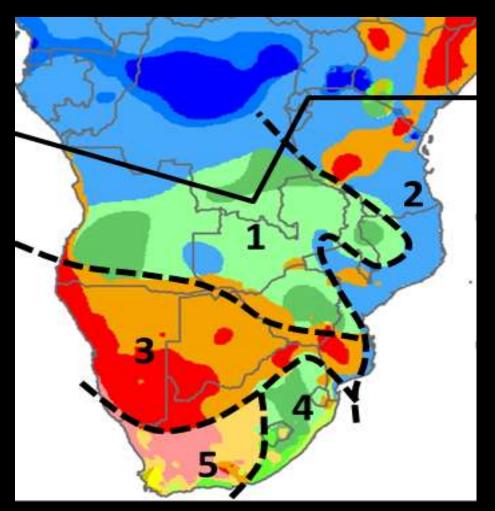
Linking climate resilient infrastructure development, transboundary cooperation and financing in the SADC region

Dr Charles E Reeve Technical Director Climate Resilient Infrastructure Development Facility (CRIDF)





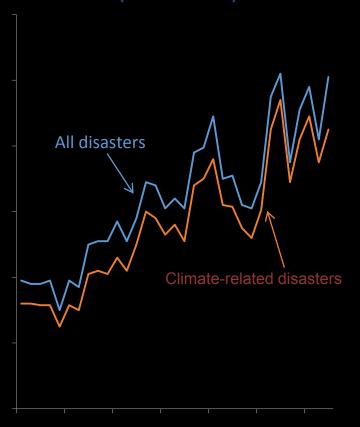
Southern Africa climate change zone map



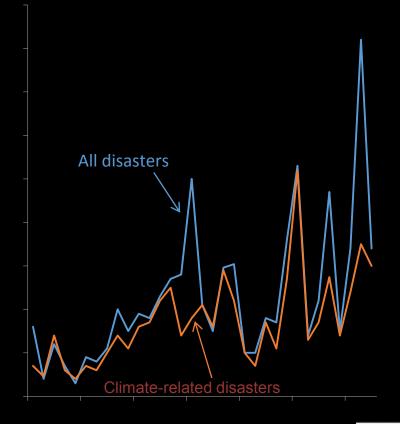


The costs of extreme weather are stunning and growing

Number of disasters worldwide (1980 – 2012)



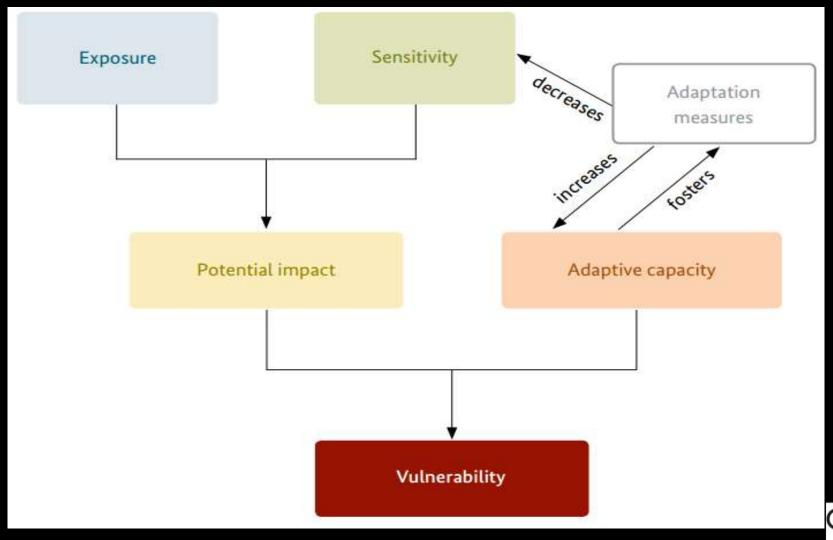
Disaster-related losses (US\$ billion, 2012 values)







Climate vulnerability





Mainstreaming climate change considerations into infrastructure planning

Plan and Project Preparation Cycle

Climate Risk
Assessment Process

Plan / Strategy

e.g. SADC Master Plan / Basin Strategy

Climate Resilient Development Pathways

Basin level climate analysis to ensure projects are inherently resilient, or their adverse strategic impacts mitigated (CRIDF+ Okavango case study under development)

Vı

Eligibility

Incudes screening, scoping & finalising the concept

Vulnerability Mapping

High level, large scale assessment of climate vulnerability of a large area to confirm if a project from an official plan is appropriate in terms of an areas resilience challenges

Vulnerability Assessment Tool (VAT)

Detailed scoping of vulnerability at the project level to inform potential project scope. Used to identify a new project not already on an official plan (CRIDF+ sugar sector case study)

Bankability

Pre feasibility and feasibility / outline design including CBA/EIA/GESI/CCRA

Climate Change Risk Assessment (CCRA)

Assessment of risks to a project under feasibility & the services it provides, as well as making recommendations for additional /improving resilience (Track1 small - Track 2 large)

Projections & Impacts Paper

Impact of

climate

change on

water

resource

availability
In SADC
basins

Supports Track 1 CCRA & VAT

Financial Close

Detailed design, consents, EMP, procurement, finance / packaging

Resilient Project





The GCF Opportunity



- GCF has over \$2.5 bn to disburse in 2016
- Other climate finance is being re-directed to GCF
- GCF funding raising to \$100 bn per annum by 2020

Climate Change drivers

Non-Climate Change drivers

Co-funding

Holistic approach to water and food security – paradigm shift

GCF

To mobilize unprecedented levels of funding to invest in low-emission and climate-resilient development on our home planet

