

Translating Locally-led Resilience into Action
in the Age of Complex Risk and Digital Transformation
복합위험과 디지털 전환시대, 지역주도 복원력의 실행

The 5th



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Leaders Forum **Incheon 2026**

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송도컨벤시아 그랜드볼룸 A
Songdo Covensia, Grand Ballroom A

Disaster Risk Reduction Efforts in Alfred Nzo District Municipality

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Background

- Alfred Nzo District Municipality is economically disadvantaged and climatically fragile district with disaster risk reduction being influenced by environmental, structural and institutional aspects.
- is made up of four local municipalities, which have been facing recurring climate related disasters.
- is defined by the presence of a mountainous landscape, highly dissected river valleys with rural settlement patterns and poor development of infrastructural system.
- is extremely prone to both river and flash flooding because of its geographical conditions, degrading catchments and poor drainage systems.

Understanding Risk

- District Scientific Risk Assessment
↓
- Ward-Level Hazard, Vulnerability & Capacity Assessment
↓
- Scientific Data + GIS + Weather Data + Historical Information + Indigenous Knowledge
↓
- Risk Register & Impact Modelling
↓
- Risk-Informed Planning

Turning Risk Knowledge into Action

PLAN

- Disaster Management Plan
- Flood & Fire Contingency Plans
- **PREPARE**
- Simulations / tabletop exercises
- Early warning & public awareness
- Staff capacity

PREVENT & MITIGATE

- Vulnerability reduction
- Low-cost flood interventions – pedestrian bridges ; clearing of storm water bridges

BUILD WITH NATURE : The district has an active Climate Change Response Strategy = the development of Climate Change Policy

- Climate Change Adaptation & Eco-DRR
- Wetland & spring rehabilitation ; Donga rehabilitation ; Rangeland management
- Alien vegetation clearing

Building Resilience With Communities

COMMUNITY PARTICIPATION

- Traditional Leaders | NGOs | CBOs | Churches | CERTs



LOCAL CAPACITY

- Skills | Social Networks | Cultural Knowledge | Indigenous Knowledge



INCLUSIVE DRR

- Gender | Disability | Vulnerable Groups

PICTORAL EVIDENCE



Partnerships & Collaborations

- **UNDRR MCR2030** – Disaster Risk Reduction Strategy & Action plan adopted by Council – long term approach to
- **SANBI** - helping us explore nature based approaches to DRR
- **SANTAM** – ongoing community resilience support – Plant indigenous trees; Awareness Campaigns; Staff capacity building programs
- **OLD MUTUAL & UNIVERSITY OF FREE STATE** – support the development and implementation of Flood /Fire Contingency plans

Thank you

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