

## Climate information for adaptation response at local government level

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Local Government Officials feedback was collected at

the complexity of the scientific data on climate change

the need to provide technical support for those who

Lack of capacity both human and financial since climate

Lack of technical capacity in local / provincial

change was/is regarded as a non-funded mandate

the end of the projected and highlighted the following:-

projections and on climate variability,

want to use and understand the data

government

the format in which the data is presented.

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The Department of Environmental Affairs (DEA) - Situational Analysis and Needs Assessment (SANAS) study seeks to understand climate change response at the sub-national level. Seeks to better understand user needs and levels of capacity in terms of climate change response at provincial levels of government. The provincial breakdown is as follows

- 3 out of 9 provinces have Climate Change Response Strategies (Eastern Cape; Western Cape; Gauteng)
- 3 out of 9 provinces have Climate Change Response Strategies in draft form awaiting stakeholder input (KwaZulu Natal; Northern Cape; Mpumalanga)
- 6 of the 9 provinces have their Climate change response Strategies embedded in within planning tools and or strategies (Free State; Gauteng; KwaZulu Natal; Limpopo; North West; Western Cape) (SANAS, 2015)

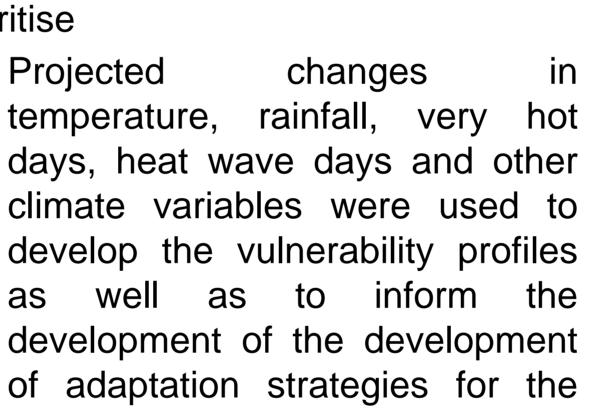
## Introduction

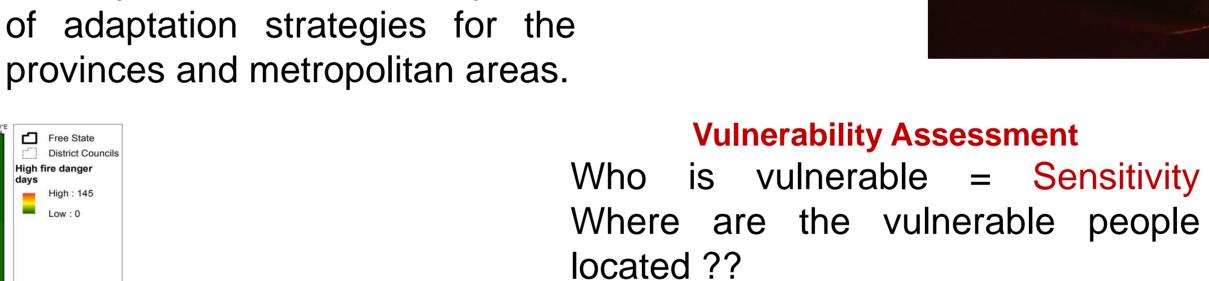
The Climate Change response policy (DEA, 2012) gives a mandate to all municipalities and other levels of government (provincial) to develop and implement Climate Change Adaptation Response Strategies. To respond the other threats of climate change and build resilience of the natural, economic and social sectors. The availability and accessibility of appropriate information is essential for this process to be effective.

Vulnerability assessment approach was used to facilitate knowledge transfer, build capacity, identify vulnerabilities risks, determine the capacity, adaptive and opportunities to adapt, adaptation options.

level of identify prioritise Projected changes

> development of the development of adaptation strategies for the





To what are they vulnerable = Hazard/Exposure How are the vulnerable = Drivers of

vulnerability

When affected what can they do about it = adaptive capacity When are the most vulnerable?

Agriculture

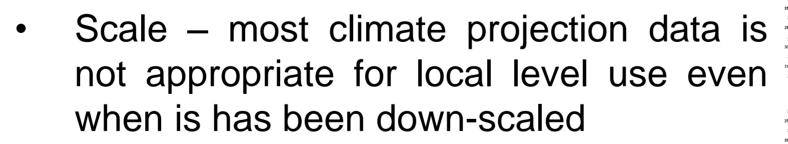
vulnerability

- Biodiversity
- Forestry
- Human Settlements

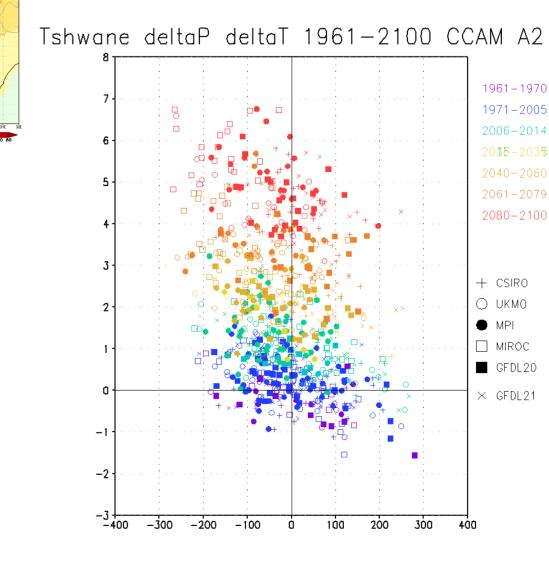
**Sectors Assessed for** 

- Human health
- Water





- Data Interpretation is often lacking or if it available it is at a level too complicated for local government officials to use
- What does the data mean for my local village, municipality or province - official asked **SO WHAT?**
- Since every province is different how to this into the context of the municipality or province
- Access to the data not all offices have fast internet access or other means to access the data when it is needed.



When will the changes occur and how bad will they be?

understanding where can I get it

Where will the money come from.

department to action it

Some Important Questions that need answered

at provincial level

How will the climate change in the next one

How severe will the impacts of the extreme

What areas in my jurisdiction should be a

priority for adaptation intervention response

What are the financial implications of

adaptation versus non-adaption for a

municipality with limited budget and other

If I do not have internet – how do I access

this data, how much does it cost, where do I

Whose duty is it in the government

need assistance using the data or

quantified in terms of dollars and cents

How do I plan for it, budget for it, action it

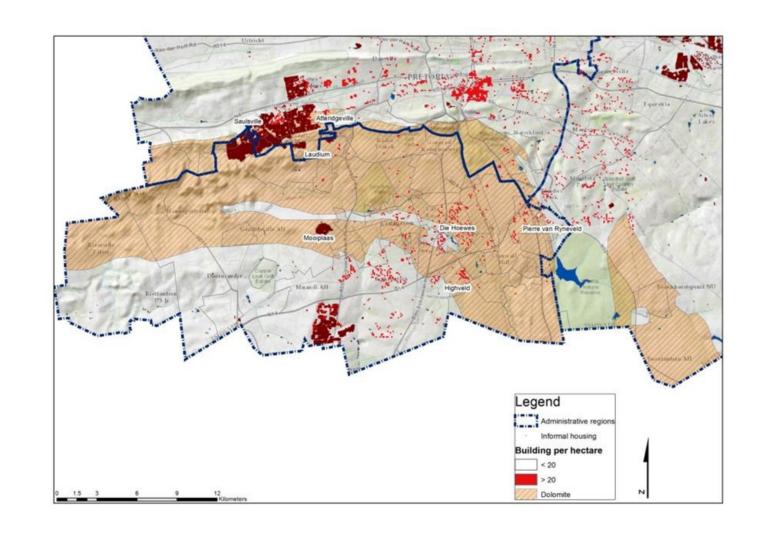
key priorities

begin

events be on my municipality - can this be

and how does this affect my work?

year, five years or ten years going forward



## Recommendations

- Simplification of the various climate data products can be in form of narratives or case studies to put it into context and to understanding how to use it.
- Training of local government officials on adaptive capacity will enable use of climate data products
- Stakeholder engagement in the whole process is essential to develop a good relationship and understanding of the data, the process and the implementation.
- Improved coordination between the different department this will assist in and integrated approach for implementation
- Need to further investigate the secondary impacts of hazards such as sink holes