

Overview of Research Needs to address Climate Change: The case for Botswana

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Presentation overview:

Proposed key issues for climate change research in Botswana:

- ✓ **Multidisciplinary Research**
- ✓ **Adaptation Hotspots**
- ✓ **Communication and Outreach**



Key areas to consider

- **Multidisciplinary Research** - climate change cuts across disciplines, thus need to build synergies from outset e.g. research findings.
- **Adaptation Hotspots** – which sectors/zones in the country need immediate attention?
- **Communicating CC-** enabler for implementation/adaptation etc.

1. Multidisciplinary Research

- **Water sector** (rainfall, H₂O scarcity etc)
- **Food security** (C fluxes; malnutrition; food deserts; children –deaths/ rights in a hunger world due to low crop yields induced by CC).
- **Poverty** - water poverty; limited livelihood options; lost ecosystem services.
- **Pollution / Chemistry** – black carbon, persistent organic pollutants (POPs); solventless reactions etc.

Multidisciplinary research contd

- All sectors indicated above, would use normal functioning of ecosystems as a base i.e. how much deviation the challenges pose, relative to the normal.
- **Potential for CDMs** –research on role of CDMs for the country e.g. abundance of sunshine (institutions, villages, households, demonstration projects needed). Need for this!

2. Adaptation Hotspots

- Sectors needing most attention
- Zones or districts most affected/vulnerable
- The best adaptation pathway
- Initiating NAPAs (national adaptation programme of action) e.g. health, water, agricultural sectors.
- Identifying the most critical sectors, including those beyond adaptation rescue.

3. Communication and Outreach

- Stakeholders – dissemination/engagement pathways. Benchmarking essential.
- Impact analysis of various communication/engagement routes (why and what works and for which sectors etc).
- Timescales of communication e.g. for next 30-40yrs; indicators/monitoring framework.
- Coordinating agencies needed (e.g. govt, UNDAF, NGOs, private sector etc).



Just remember
– we are **all**
sensitive to
climate change

