

Climate and Environmental Services for Development

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Summary

Why do we need National Climate and Environmental Services?

Who are the stakeholders?

What is a National Climate and Environmental Service?

What are the first steps to development of a Service in Africa?

What can ClimDevAfrica do?

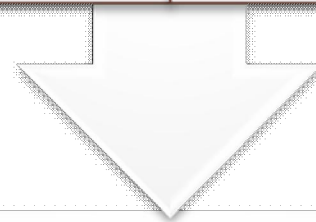


The Decision Makers' Dilemma

Who are the stakeholders and what is at stake?

Everyone

Human development



Who is the source of relevant information?

Multiple Gov.
agencies

Academe

Private
companies

Nat., Int.,
regional
organizations

Etc.



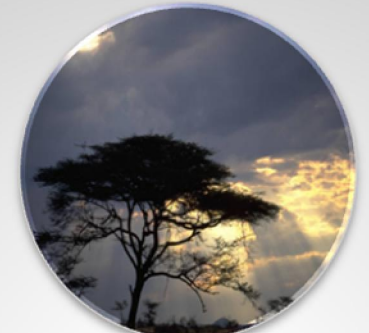
The Job of a National Climate and Environmental Service



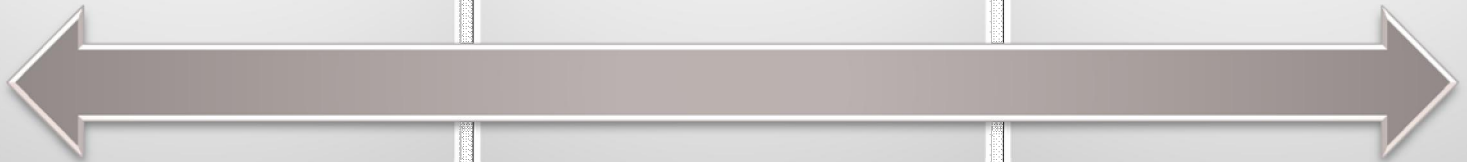
Science to support
decision-relevant
questions



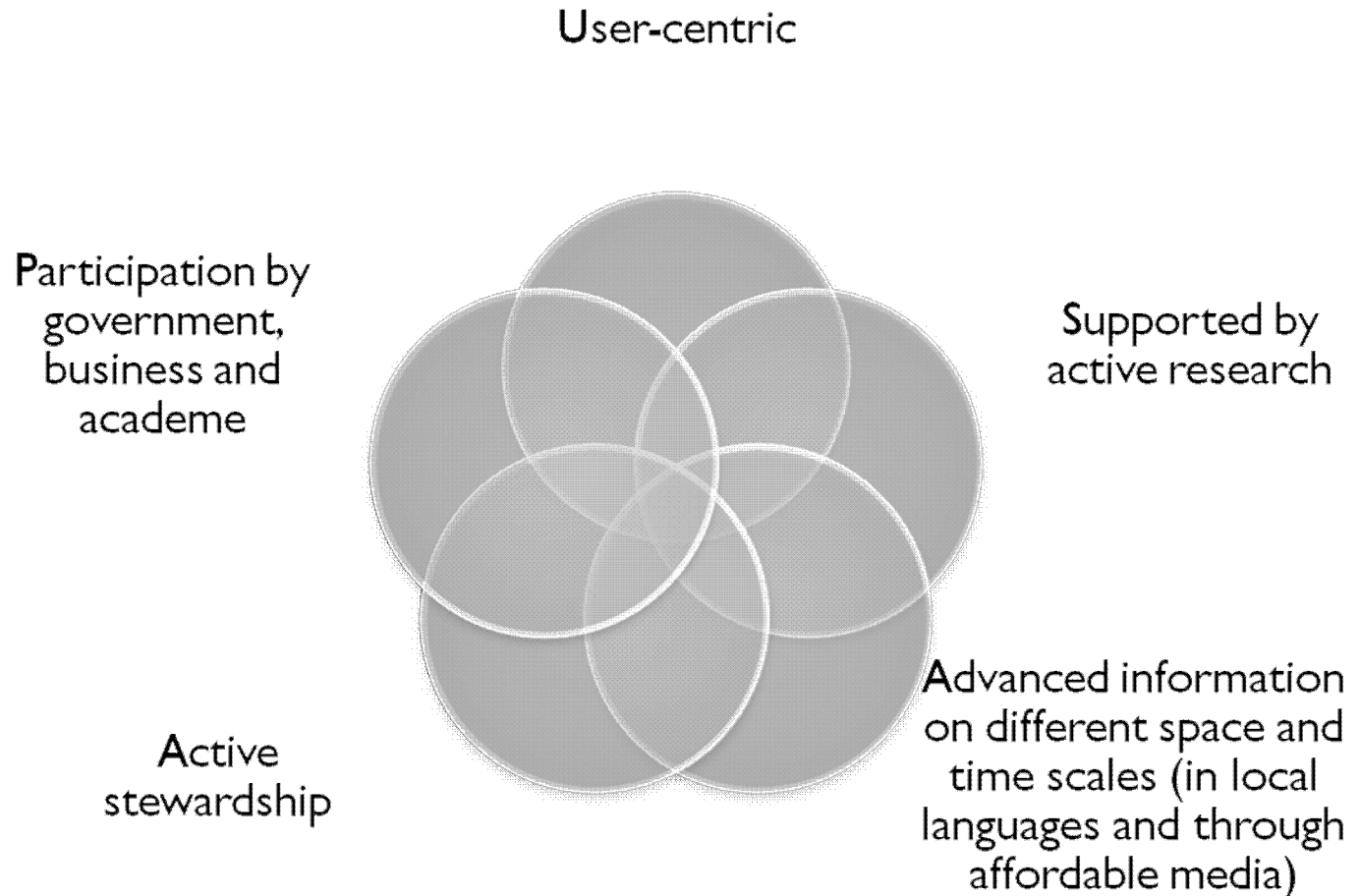
Translate new climate
and environmental
information into relevant
decision environments



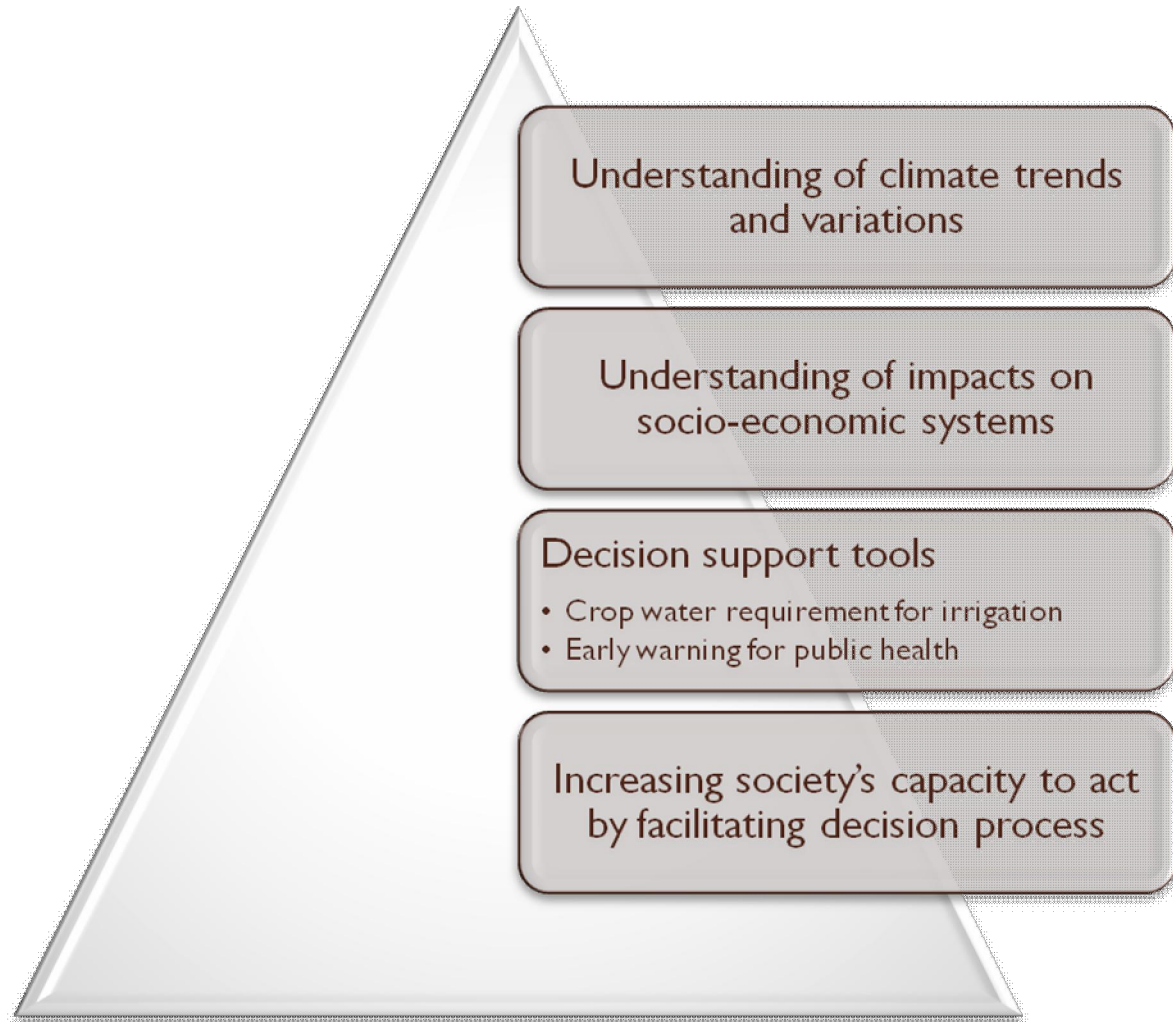
Build national and
district level capacity to
anticipate, plan for, adapt
to, and manage the risks
associated with climate
variability and change



Five Guiding Principles



A Climate and Environmental Service Provides



National Climate and Environmental Services within Africa

National? Yes

- Too important not to have central government ownership

Use existing infrastructure? Yes

- But not necessarily an extension of an NMS

Science-based? No

- Not exclusively, must be decision relevant

Collaborative? Yes

- Fully engaged with users to produce mutually defined information

Focus on Development? Yes

- Ensure a component is linked to finance, policy and planning

Operational? Yes

- A continuous , ongoing service

e.g. NCCD

National Center
For
Climate and
Development



National Climate and Environmental Service Functions

Integrate obs. to produce information & assessments for stakeholders

Develop models for decision support

Basic and applied research on impacts

Operational delivery system

Dialog among stakeholders for planning and decision making

Identify climate related vulnerabilities

Represent Gov. in relevant regional policy arenas (RECs)

Outreach



Services at National and District Level

Access point for stakeholders

Provide education and training

Create decision support tools

Provide user access to experts

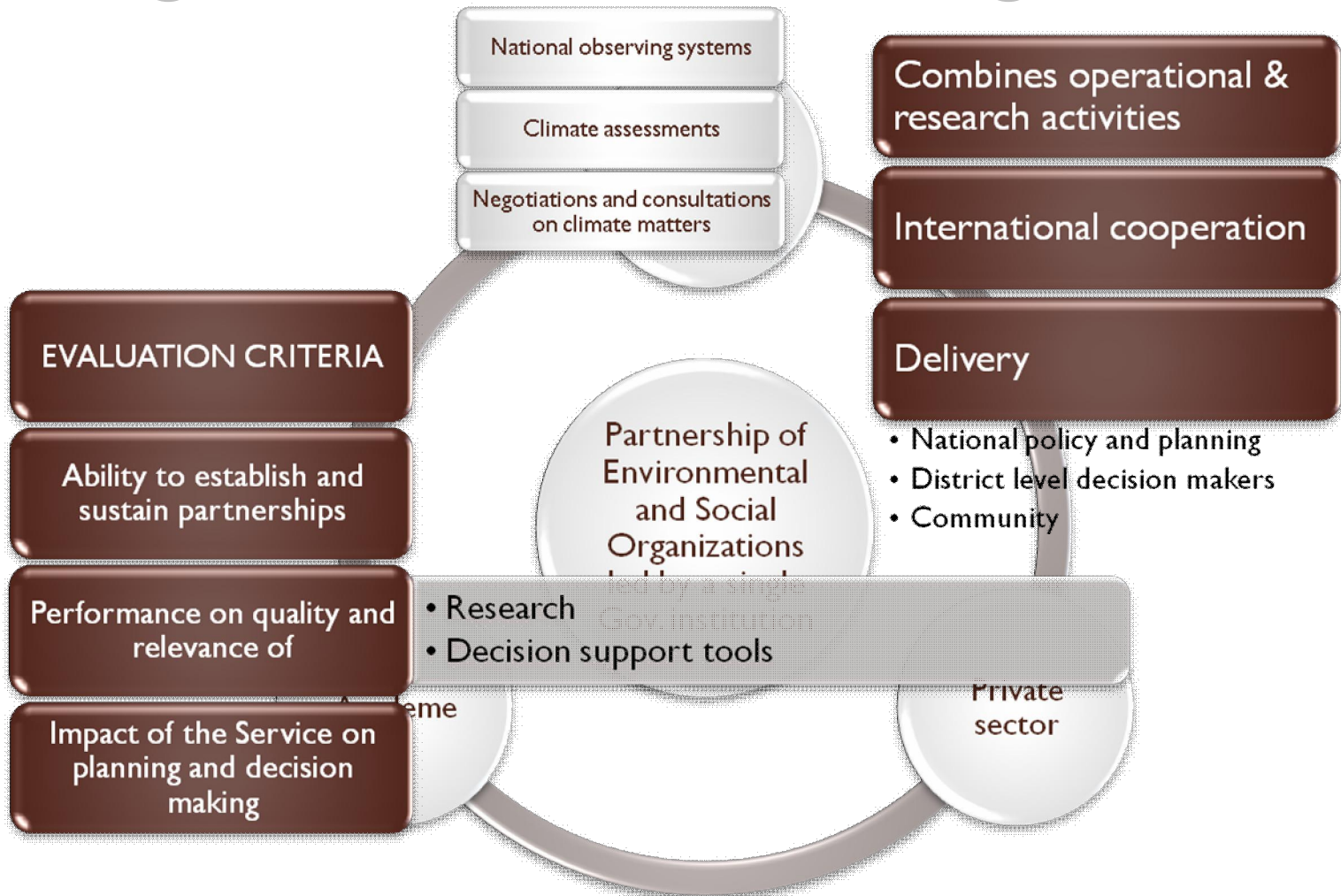
Provide experts access to users

Propose and evaluate adaptation strategies

Integrated climate risk management at community level



Organization & Management?



First Steps

**Improve
capability to
serve
national
needs

and
contribute
to regional
integration**

- Increase use of climate info by Gov. agencies, private sector and academe
- Create user-centric functions within existing agencies
- Support new instrumentation and technology
- Empower users and providers to experiment
- Build capacity in long term predictions and scenarios
- Integrated climate and environmental risk management



First Steps

Improve use
of a Nation's
weather,
climate and
environmental
observations
and integrate
socio-
economic
data

- Inventory existing observing systems and data in all national organizations
- Seek opportunities to combine observing networks
- Create incentives to develop and promote observing networks at local level
- Ensure research transitions to operations (e.g., AMMA, RIPIECSA and FIRMA/ACMAD)



First Steps

Address societal needs

- Make better use of climate and environmental products from major prediction centers
- Where appropriate develop regional and local enterprises to provide geographically specific focus
- Support interdisciplinary studies at universities
- Foster climate and environmental policy education in universities
- Enhance understanding of climate and environment through public education



ClimDevAfrica

Provides the rationale for climate and environmental services for MDGs attainment at continental scale starting from national development plans

National Climate and Environmental Services should be a mechanism for implementation of ClimDevAfrica

- Enhance partnerships
- Reduce risk
- Support for implementation of adaptation strategies

A possible source of co-financing through AfDB-UNECA-AUEC trust fund

Have NMHSs take the lead in initiating partnerships

