



**CCDA-V**

Africa, sustainable development and climate change  
*Prospects of Paris and beyond*

**ClimDev-Africa**



# UNLOCKING THE POTENTIAL OF CLIMATE INFORMATION SERVICES TO ACHIEVE CLIMATE RESILIENT AGRICULTURE AND SUSTAINABLE DEVELOPMENT



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[www.careclimatechange.org/our-work/alp/](http://www.careclimatechange.org/our-work/alp/)




# Known vs unknown?



Changing climate & weather patterns – frequency; intensity.

Growing challenge - smallholders, pastoralists, African economies.



Future, localised climate risks, impacts, opportunities on:

- Agricultural productivity, food security, incomes, development? – *UNFCCC article 2*
- Vulnerable communities, women, men?

# What needs to be done?

- Adaptation & resilience – continually managing climate uncertainty & risks
  - **Building adaptive capacity** – flexibility to short term variability & long term change...how?



- **Climate informed** decision making and planning... But:
  - **Uncertain** climate information
  - **Decision relevant, user responsive**



# Community Based Adaptation (CBA)



**Vulnerable people** play a central role in planning & decision making processes



**Multiple stakeholders**, climate sensitive sectors co-generate options to manage diverse and changing climate risks



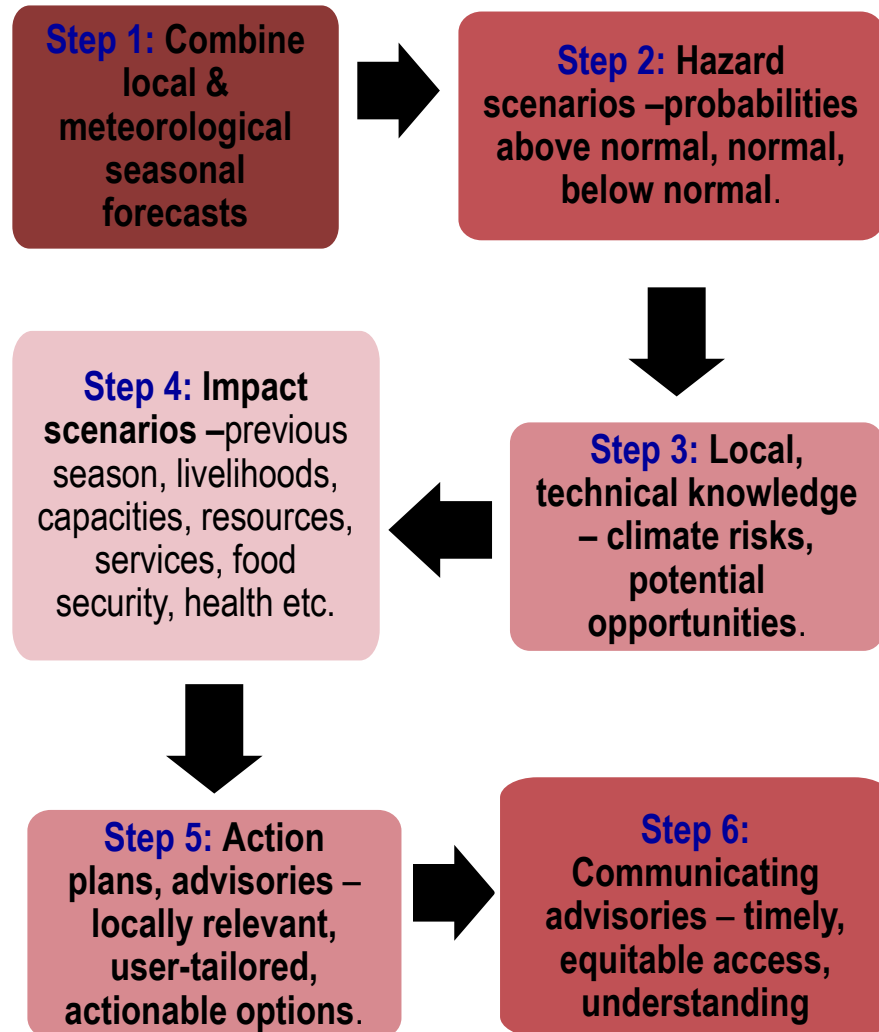
**Better use of climate information** to (i) understand, analyse climate risk, impacts

(ii) make informed, forward looking, flexible decisions

(iii) continually adjust strategies – new & uncertain risks, impacts

# Managing Uncertainty

- **Scenario planning** – interpret uncertain climate information into plausible futures
- **Build adaptive capacity** – forward looking flexible decisions & plans, innovation to manage risks, opportunities
- **‘No regret’, Robust strategies & actions** to manage multiple future possibilities
- *E.g. Communities in ASAL Garissa County, Kenya – **climate informed agricultural diversification, innovation, risk management***



*Participatory Scenario Planning (PSP)*

# Multi-stakeholder interaction

PSP multi-stakeholder forums:

- **Build trust**, legitimacy of uncertain climate information
- Dialogue & feedback to:
  - **Interpret uncertain** climate information,



- **Co-design tailored, responsive, decision relevant** climate information services
- **Inclusive governance** – meet climate information services needs for all:
  - Downscaled climate information – KMS Kenya;
  - Providing climate informed agricultural services – benefiting smallholders, pastoralists

# Conclusions/Recommendations

## Resourcing:

- **National meteorological services** – develop user responsive **climate products**
- **Users** – **capacity to understand, use** uncertain climate information
- **Multi-stakeholder interaction, dialogue** – co-design, deliver **locally relevant climate information services**

## African countries:

- **Integrate climate information services** – sectoral, development policies and plans e.g. Kenya CIDPs, Ghana DMTDP.
- COP21 agreement support user-responsive, decision-relevant **climate information services** – **effective decision making** on adaptation, climate resilient agriculture, sustainable development