African Climate Research for Development (CR4D)

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Acknowledgement: ACC2013 Scientific Steering Committee

ACC-2013 AIMS

- The ACC-2013 aimed at narrowing the communications gap currently existing between climate scientists, other disciplines and the user community (decision makers, etc) to ensure that research informs response strategies to the challenges posed by climate change and that the use of climate information is mainstreamed in decision making

ACC-2013 AIMS

- There are quite a number of global and regional activities and initiatives that are either targeting or relevant for Africa – the ACC-2013 provided a forum to assemble and review these efforts to promote coordination and collaboration

Frontiers (1)

- Seasonal forecast still 'plateau' – the need to understand the contribution of other drivers of seasonal climate variability – e.g. the tropical Atlantic, the Indian ocean, land-atmosphere interaction processes
- Benefits – improved early warning on impending droughts and extremely wet seasons, selecting crop types

Frontiers - Continued

- Intraseasonal Rainfall Characteristics – the need for rainfall onset/cessation predictions, frequency and duration of dry and wet spells, average rainfall intensity
- Benefits – planning for planting dates, selecting in-season operational strategies

Frontiers - Continued

- Drivers of decadal climate variability – identify forcing factors (e.g. low frequency modes of variability in the Atlantic) that influence climate variability at longer times scales (up to 10 years)
- Benefits – planning for planting dates, selecting in-season operational strategies

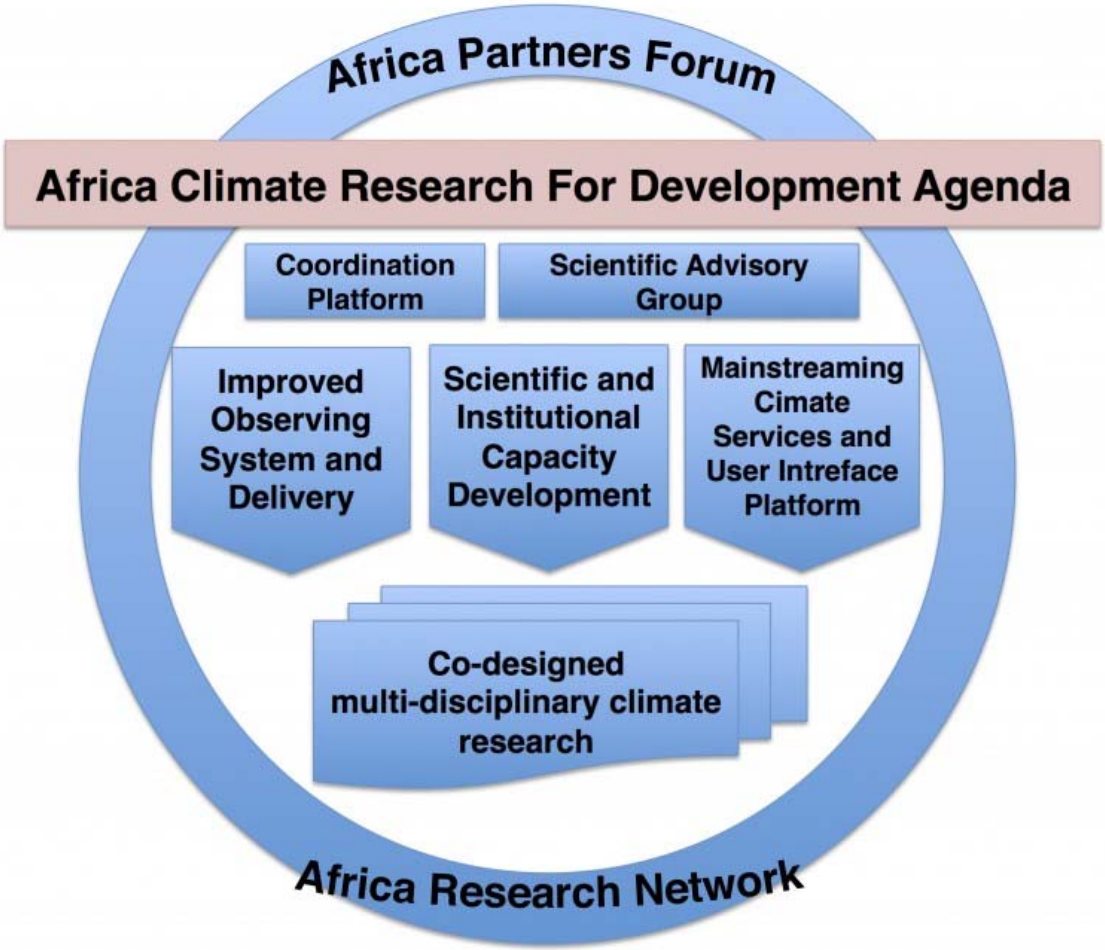
Frontiers – Continued

- Robust climate change information required to formulate sustainable adaptaion responses – improve process understanding, improve climate model horizontal resolution, etc
- Intergrating climate models with application models at all time scales
- Mainstreaming climate services for all timescales

The CR4D

- An outcome of the ACC-2013
- A proposed mechanism of integrating the African climate research community (scientists and institutions) to deliver on priority end-user needs to: enhance the understanding of user needs for climate research, information and services in Africa; enhance the understanding and prediction of the African climate system; improve the quality and relevance of climate information for users and the wider stakeholder community; etc

The Pillars


Africa Partners Forum
Africa Climate Research For Development Agenda
Coordination Platform
Scientific Advisory Group
Improved Observing System and Delivery
Scientific and Institutional Capacity Development
Mainstreaming Cimate Services and User Intreface Platform
Co-designed multi-disciplinary climate research
Africa Research Network

MAINSTREAMING CLIMATE SERVICES AND USER INTERFACE PLATFORM

Linking knowledge with action, improved and more effective communication between climate science and Policy to identify end user needs.

- Framework for Co-producing Climate Services and Integrating Knowledge for Action
- Building the Interface: Multi-Stakeholder Platforms for Dialogue
- Co-producing climate knowledge with local stakeholders – the End of End-users
- Supporting Adaptation under deep uncertainty- adaptation scenarios addressing envelope of uncertainty, across timescales

Conclusions

- The CR4D will build on existing initiatives, activities and partnerships
- The Collaboration Platform will promote collaboration between organizations, institutions and individuals involved in climate and related research