



ABOUT THE ACDI

The African Climate & Development Initiative (ACDI) is the University of Cape Town's active response to the climate change and development challenge. Established in 2011 by the Vice-Chancellor Max Price, the ACDI is an interdisciplinary research hub that brings together academics, NGOs, business and government to co-produce and test new insights, evidence and innovations that will help to solve Africa's climate and development challenges.

Conference Programme

9:00 – 9:15	Prof. Mark New Director, African Climate & Development Initiative <i>Welcome Address.</i>
9:15 – 9:45	Dr. Kevin Winter Department of Environmental & Geographical Science <i>Poorly understood future water options for Cape Town: research challenges ahead.</i>
9:45 – 10:00	Ice-breaker introduction session
10:00 – 10:20	Tea and Coffee Break

Session one: Vulnerability, Impacts and Adaptation

10:30 – 10:45	Teresa Perez University of Cape Town, Environmental and Geographical Sciences <i>Transformative scenario planning: Experiences from stakeholders concerned with the future of water use in Namibia.</i>
10:45 – 11:00	Roy Bouwer University of Cape Town, African Climate & Development Initiative <i>The Capacity of Local Governments to Build Flood Resilience in Informal Settlements: A Social Networks Approach.</i>
11:00 – 11:15	Siyabusa Mkuhlani University of Cape Town, Climate Systems Analysis Group <i>Classification of smallholder farmers for effective rainfall variability management in South Africa.</i>

- 11:15 – 11:30 **Farirai Rusere**
University of Cape Town, Climate Systems Analysis Group
An expert based farm typology to understand challenges, constraints and opportunities to improve food security through ecological intensification: A case study of Limpopo, South Africa.
- 11:30 – 11:45 **Dr. Marieke Norton**
University of Cape Town
Governing the Coast: How not to keep things in the sea.
- 11:45 – 12:45 **Lunch and Poster Sessions**
- 12:45 – 13:15 **Prof. Mark New**
African Climate & Development Initiative
Trump and Climate Change.

Session Two: Sustainable Development & Communication

- 14:00 – 14:15 **Paul K Currie**
Stellenbosch University, Centre for Complex Systems in Transition
Investigating urban metabolism as a way to envision and design sustainable cities: lessons from a Cape Town metabolic baseline.
- 13:15 – 13:30 **Claude Moshobane**
SANBI
Beyond Fear and Panic: The role of communities in biodiversity conservation.
- 13:30 – 13:45 **Willemien Calitz**
University of Cape Town, Centre for Film and Media Studies
South African media coverage of China's human rights and sustainable development role in Africa.
- 13:45 – 14:00 **Jessica Lee**
University of Cape Town, Environmental Humanities
Climate Risk Narratives: An alternative approach to treating uncertainty at the science-policy interface.
- 14:15 – 14:35 **Networking Bingo**
- 14:35 – 14:45 **Tea and Coffee Break**

Session Three: Mitigation and Climate Science

- 14:45 – 15:00 **Gregory Ireland**
University of Cape Town, Energy Research Centre
A Techno Economic Renewable Mini Grid Simulation and Costing Model for Off-Grid Rural Electrification Planning in Sub-Saharan Africa.
- 15:00 – 15:15 **Marc Burman**
University of Cape Town, Animal Demography Unit, University of Cape Town
Citizen science data for monitoring the ecological effects of climate change.

15:15 – 15:30

Temitope S. Egbebiyi

University of Cape Town, Environmental and Geographical Science

Investigating the timing of Climate departure (1.5 & 2oC warming) over West Africa.

15:30 – 15:45

Jana Hofmann

University of East Anglia

Are carbon offset projects effective at delivering sustainable livelihood benefits in South Africa?

15:45 – 16:00

Prizes and Closing

POSTERS

Alexa Brown

University of Cape Town

A comparative analysis between the Cape of Good Hope Royal Observatory wind record and CLIWOC ship logs: 1834 to 1854.

Catherine Ward

University of Cape Town

Farmers and fishers under pressure: Understanding climate change for future development in the southern Cape.

Dedricks Morake

University of Cape Town

The variability of Angola low.

Eskinder Gidey Sintayehu

University of Botswana

Modeling the Statistical Relationships among LST, VCI, TCI, NDVI, VHI, and SPI for Drought Monitoring.

Kassa Mantose

Arba Minch University

Climate variability and its impact on crop production.

Koketso Michelle Molepo

University of Cape Town

The Impacts of droughts on the hydrology of the Orange River Basin, southern Africa.

Lavinia Perumal

University of Cape Town

Understanding and mitigating the impacts of transport infrastructure on natural capital in various African regions.

Makeya Karlie

University of Cape Town

Post-fire fine sediment dispersal and storage in the Lower Silvermine Wetland.

Modathir A. H. Zaroug

University of Cape Town

The impact of 1.5°C and 2.0 °C above pre-industrial levels of global warming in semi-arid hot-spots at Africa and India.

Nhlanhla May

Stellenbosch University

The Private Property Dilemma in Sustainable Development: Observations from Midrand, Johannesburg.

Rendani Mulaudzi

Cape Peninsula University of Technology

Communicating climate change information in a township near Cape Town: Challenges for bridging knowledge gap in democratic South Africa.

