



DEPARTMENT OF ENVIRONMENTAL AFFAIRS AND TOURISM

Climate Change Science in Africa

Draft programme - some speakers and titles are still to be confirmed.

Day 1: Monday, 17 October		
07:30-10:00	Arrival, registration and tea / coffee	
Session 1	Chair: Ms Pam Yako, DEAT	Opening session
10:00	Minister DEAT	Opening Address
10:20	Minister DST	Keynote Address
10:45	Dr Rob Adam, DST	A climate change R&D strategy for South Africa
11:15	Professor Sir Peter Crane, FRS, Director, Royal Botanic Gardens, Kew, UK	Global change and evolution – how will species stand the tests of time?
11.45	Professor Andrew Watkinson, Tyndall Centre for Climate Research, UK	Translating sound climate science into practical and effective public policy
12:30	Adjourn to luncheon hall	
12:30:	Lunch	
Session 2	Chair: Dr Rob Adam, DST	The science of climate change
13:30	Dr Luanne Otter, Climate Research Group, University of the Witwatersrand, S Africa	Global change in Africa: towards a synthesis of the science
13.50	Prof Bruce Hewitson, Climate Systems Analysis Group, University of Cape Town, S. Africa	Regional projections of climate change for Africa
14:10	Dr Richard Betts, Hadley Centre, UK	Synergistic interactions between vegetation and climate systems in Africa
14.30	Dr Myles Allen, Oxford University (telephone conference link fr. Oxford/Royal Soc)	Climate change attribution and detection in Africa
15:00	Questions and open discussion	
15:30	Tea / coffee	
Session 3	Chair: Prof Urmila Bob, UKZN	Modeling impacts and adaptation to CC
16:00	Prof Coleen Vogel, Univ. of the Witwatersrand, South Africa & Prof Sue Parnell, University of Cape Town, South Africa	Climate change impacts on African cities and societies
16:20	Mr Graham von Maltitz and Ms Carmel Mbizvo, CSIR, South Africa	Likely impacts of climate change on biodiversity based livelihoods
16:40	Mr Randall Spalding-Fecher, ECON South Africa	Human health and climate change in southern Africa
17:00	Prof Roland Schulze, University of KwaZulu-Natal, South Africa	Climate change and water resources in South Africa: Where from? Where to?
17:20	Questions and open discussion	
18:00	Session adjourns	
19:00	Evening events – Gala dinner	

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Day 2: Tuesday, 18 October		
Session 4 Chair: Dr Luanne Otter (Univ Witwatersrand)		
		Ecosystem impacts – I.
09:00	Prof John Reynolds, University of East Anglia / Simon Fraser University, Canada	Marine ecosystems and fish under climate change
09:20	Dr David Obura, CORDIO, Kenya	Climate change and African tropical coral reefs
9.40	Prof Steven Chown, Stellenbosch University, S Africa	Biodiversity responses in the Southern Ocean African islands
10:00	Questions and open discussion: implications for natural resource management and ecosystem services	
10:30	Tea / coffee	
Session 5 Chair: Mr Saliem Fakir (IUCN-S Africa)		
		Ecosystem impacts – II.
11.00	Dr Tiba Kabanda, University of Venda	Droughts in South Africa are becoming longer, more intense and more frequent: is it a boost from climate change?
11:20	Dr Pam Berry, Oxford University & Dr Richard Pearson, American Museum of Natural History	Species migration under climate change
11:40	Dr Guy Midgley, Mr Barney Kgope, Dr Nthabiseng Motete* & Mr Brian Mantlana, South African National Biodiversity Institute	Modeling and experimental approaches to quantifying species responses (*Currently at DEAT)
12.00	Ms Wendy Foden, South African National Biodiversity Institute	Detecting and monitoring climate change impacts in arid ecosystems
12:20	Questions and open discussion: implications for natural resource management and ecosystem services	
13:00	Lunch	
Session 6 Chair: Prof Brian Huntley (SANBI)		
		Ecosystem impacts – III.
14:00	Prof David Thomas, Oxford University, UK	Climate change impacts on southern African landscapes in the 21 st Century
14:20	Prof William Bond, University of Cape Town, S Africa, & Mr Barney Kgope, SANBI	CO ₂ , fire and African ecosystems
14:40	Prof Chris Thomas, University of York, UK	Climate change and extinction risk of African terrestrial biodiversity
15:00	Prof Norman Owen-Smith, Univ. of the Witwatersrand, S Africa	African mammal population responses and extinction risk (tbc)
15:20	Dr Jane Olwoch, University of Pretoria	Climate change, ticks, and tick-borne diseases in Africa
15:40	Questions and open discussion: implications for natural resource management and ecosystem services	
16:150	Tea	
Session 7 Chair Dr James Murombedzi (IUCN-ROSA)		
		Global change professional capacity & networks
16.45	Mr Graham von Maltitz, CSIR Environmentek, South Africa	Strategic research and professional capacity: AIACC
17.05:	Dr Dan Olago, University of Nairobi and Pan-African START Secretariat	Strategic research and professional capacity: the START network
17.25	Profs Paul Desanker & Michael Adewumi, AESEDA, Pennsylvania State University	Strategic research and professional networks: AESEDA (tbc)
17.45	Mr Martin Hendricks & Prof Mark Gibbons, University of the Western Cape, & Prof John Lamshead, Natural History Museum, London	Professional capacity building through bilateral engagement: the NRF/Royal Society experiences
18.05:	Facilitated discussion - Priorities for capacity and research integration on the African continent (M Scholes? or P Barnard)	
18:30	Session adjourns	
19:00	Evening events	
19:00-21:00	Bruce Hewitson, Roland Schulze, Amadou Gaye (co-facilitators)	Interactive Workshop: Data resources for regional climate change analyses

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Day 3: Wednesday, 19 October		
Session 8 Chair: Mr Harald Winkler (Energy Research Centre, UCT) – Climate change mitigation strategies I.		
09:00	Mr Monga Mehlwana, CSIR Environmentek	Energy technologies for climate change mitigation – what is appropriate for SA?
09:20	Ms Shirene Rosenberg, SouthSouthNorth	Building <i>local</i> sustainable development into climate change mitigation: The experience of the Kuyasa CDM project
09:40	Mr Stanford Mwakasonda, Energy Research Centre, UCT	The importance of accurate GHG inventories as a basis for climate change mitigation
10:00	Dr Chen Ying, Chinese Academy of Social Sciences	Human development and climate change: Social science research indicating the minimum emissions required for basic human needs in China
10:20	Tea	
Session 9 Chair: Mr Harald Winkler (Energy Research Centre, UCT) – Climate change mitigation strategies II.		
10:50	Mr Amit Garg (UNEP Risoe)	India's approach to climate change mitigation (tbc)
11:20	Prof Jacques Marcovitch, Universidade de Sao Paulo, Brazil	Innovative technologies from Brazil and the challenge for south-south cooperation
11:40	Dr Boni Mehlomakulu, DST	The science of the hydrogen economy
12:00:	Mr Haresh Haricharun, DME	Nuclear power as an energy option for South Africa
12:20	Questions and open discussion	
12:40	Plenary discussion of science meeting statement	
13:00	Lunch – Summary of the scientific implications	
14:00-17:30	Parallel session 1: Interactive workshop: New Research from Emerging Scientists Facilitators: Barney Kgope (SANBI) and team [facilitated open discussion on key themes]	Parallel session 2: Interactive workshop: Compound Impacts of Invasive Species & Climate Change Project Facilitators: Guy Midgley, Greg Masters [planning meeting related to the proposed project]
14:00-17:30	Parallel session 3: Interactive workshop: Translating Science into Practical Public Policy Facilitator: Professor Andrew Watkinson, Univ. East Anglia/ Tyndall Centre for Climate Change Research	
18:30	Reception hosted by the Minister of Minerals and Energy (Launch of Designated National Authority	
19:00	Supertime meeting of Task Team on Science Meeting statement	

Day 4: Thursday, 20 October		
Session 10 : Chair DG of DST (TBC)		1. CLIMATE CHANGE POLICY IN SA WHAT WE MUST DO
9:00	Commissions	Commissions to discuss and finalise draft Science and Consultative position statements
10h30	Tea	
11:00	Deputy Minister DST (TBC)	Role of SA as global citizen
11:15	Plenary	Conference statement read and adopted
11.45	Deputy Minister Environmental Affairs and Tourism	Closure
12:00	Lunch	

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Consultative Conference on Climate Change in Africa

Day 2: Tuesday, 18 October		
08:00-11:00 : Arrival and Registration		
Session 1 : Chair		Formal Opening
		Science conference is discussing biophysical impacts
11:00	Delegates start to take up seats	
	Chair	Welcome
11:30	DEAT Minister	Opening and Introduction of Deputy President
11:45	Deputy President	Keynote Address
12:15	Break for lunch	
12.15	Light Lunch	
Session 2 : Chair		
13:00	Coordinator of the Implementation Programme, UNFCCC, Mr Feng Gao	Perspectives on the Montreal Conference and beyond
13:20	Canadian Climate Change Ambassador Bilodeau	COP11/MOP1 Montreal
13:40	Mr Valli Moosa (Eskom Chair)	What kind of action can South Africa take to mitigate climate change?
Session 3: Chair		
14h00	Minister of Water Affairs & Forestry Keynote	Vulnerability & Adaptation: Climate Change, Water Supply, and appropriate responses
Session 4: Chair		Why are we worried, What are we doing – International dimensions
14.20	Dr Jonathan Pershing	How much climate change mitigation can be expected from the USA post-2012? Or What would it take to get the USA back in to a multi-lateral climate change regime?
14.50	Dr Niklas Hoehne	Quantifying future emissions paths – what is needed from whom to keep stabilisation in reach?
15:10	Dr Richard Douthwaite	Financial implications, global equity and oil wars
15:30	Tea	
16.00	Dr Bill Hare	Scenarios
16:20	Prof Bruce Hewitson	International Panel on Climate Change Working Group 1 scenarios
Session 5: Chair:		Climate Change Impacts – Vulnerability, Mitigation & Adaptation
16:40	Prof Colleen Vogel	Disasters – social impacts and implications
17:20	Harald Winkler	SA Emissions profile, and challenges of mitigation in SA
17:40	Dr Emma Archer & Dr Scott Drimie	Food Security
19.00	Parallel Sessions	
	SACAN side event	Interactive Workshop: Data resources for regional climate change analyses
		DBSA/World Bank Event (By Invitation)

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08:00-09:00 : Arrival and Registration (mitigation session is happening in the science conference at this time)		
Session 6: Chair Report Back from Science Conf		
08:15	Dr Guy Midgley (SANBI)	Report back from Science Conference
Session 7: Chair DME>		Mitigation – key issues : Panel discussion What can we do?
08:45	Cities for Climate Protection: Claire Janisch, Meluzi Nontangana (SEA)	What kind of action can South Africa take to mitigate climate change?
09:00	Mr Mark van der Riet Fossil Fuel Foundation	Fossil Fuel Usage – present and future
09:15	Ms Laurraine Lotter (BUSA / CAIA)	What kind of action can South Africa take to mitigate climate change?
09:30	ICLEI Roger Williams	Local government responses to climate change internationally.
09:45	Mr Richard Worthington (NGO / SA-CAN)	What kind of action can South Africa take to mitigate climate change?
10.00	Tea	
10.30	Facilitated Discussion	Responses to Climate Change
13.00	Joint Lunch	
Session 8 : Chair: Prof Robin Barnard		Adaptation
14:00	Dr Gina Ziervogel	Community Based Agricultural Adaptation
14:20	Ms Khamarunga Banda	Inter-linkages of Rural Dev. And Climate Change Policy in South Africa
14:40	Dr Salimatha Wade	Adaptation as a Key Issue for Africa (north of SA). Adaptation is a key issue for other African countries, while Mitigation is a big thing for us. ENDA Senegal
15:00	Rhoda Louw, Lionel Louw, Jacobus Koopman	Climate Change Adaptation and Rooibos: Research in Action
15:20	Discussion	
15:45	Tea	
Session 9 : Chair Dr Crispian Olver		2. PANEL DISCUSSION: THE INTERNATIONAL CONTEXT
16:00	Mr Henry Derwent (UK)	A G8 perspective
16:20	Mr Alf Willis	What is needed to make the next round of negotiations effective – looking forward to Montreal
16:40	Gylvan Meira Filho, Brazil	The CDM and strengthening a post-2012 climate regime
17:00	Ms Jennifer Morgan WWF	Perspectives from an International NGO
17.20	Discussion	
18h00	Tea	
18h30	Department of Minerals & Energy Affairs	Launch of CDM Designated National Authority

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