



WEDNESDAY 4TH MARCH 2009

DAY 2 – WEDNESDAY, 4 MARCH 2009 – CLIMATE CHANGE SCIENCE				
TIME	EVENT	OBJECTIVE	SPEAKER / FACILITATOR	VENUE
08:00 – 08:45	Refreshments and exhibitions			
SESSION 2 – THE SCIENCE OF CLIMATE CHANGE				
08:45 – 09:00	Welcome and opening remarks	All participants are welcomed, informed of the day's programme and logistical arrangements.	Chair - Dr Phil Mjwara, Director General: Department of Science and Technology	Ballroom
09:00 – 09:15	Keynote address: The Science and Technology Challenge	All participants are fully informed of the importance of science and technology in meeting the challenge of climate change.	Dr Phil Mjwara, Director General: Department of Science and Technology	Ballroom
09:15 – 09:40	Overview of the IPCC 4 th Assessment Report: Science of Climate Change (Working Group I)	All participants share a common understanding of the basic findings contained in the IPCC's 4 th Assessment Report and other pertaining to climate change science, trends over the past 150 years, as well as new or emerging findings.	Dr Diathi Stone, Climate System Analysis Group	Ballroom
09:40 – 10:00	Synthesis of the Climate Change-related atmospheric and weather research currently happening locally	All participants share a common understanding of the local current research underway as well as summary of the most recent international research findings and debates.	Dr Mark Tadross, Climate System Analysis Group	Ballroom
10:00-10:20	Synthesis of Climate change-related oceanic and marine research happening locally	All participants share a common understanding of the local current research underway as well as summary of the most recent international research findings and debates.	Dr Pedro Monteiro, Council for Scientific and Industrial Research	Ballroom
10:20 – 11:00	Questions and Answers	Eminent panel of six experts respond to questions from the floor.	Facilitated by Dr Phil Mjwara, Director General: Department of Science and Technology Panellists: <ul style="list-style-type: none"> • Dr George Philander, Africa Centre for Climate and Earth Systems Science • Dr Patience Gwaze, South African Weather Services 	Ballroom

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			<ul style="list-style-type: none"> • Dr Hannes Rautenbach, University of Pretoria • Dr Diathi Stone, Climate System Analysis Group • Dr Mark Tadross, Climate System Analysis Group • Dr Pedro Monteiro, Council for Scientific and Industrial Research 		
11:00 – 11:45	Refreshments				
<p>Science Day breaks into two parallel sessions. The first focusing on impacts and adaptation and the second on responses (mitigation, and other measures). The session before lunch will essentially be presentations and the session after lunch will be the question and answer session with an extended panel.</p>					
PARALLEL SESSION 3a – IMPACTS, VULNERABILITY AND ADAPTATION					
11:45 – 11:50	Welcome and opening remarks	All participants are welcomed to the session, informed of the session programme and logistical arrangements.	Ms Pamela Yako, Director General: Department of Water Affairs and Forestry		Ballroom
11:50 – 12:10	IPCC 4 th Assessment Report: Climate Change Impacts and Vulnerability (Working Group II)	All participants share a common understanding of the basic findings contained in the IPCC's 4 th Assessment Report and others pertaining to impacts and vulnerability.	Dr Guy Midgley, South African National Biodiversity Institute		Ballroom
12:10-12:30	Impacts and adaptation efforts in South Africa	All participants share a common understanding of the local current research underway.	Dr Emma Archer, Council for Scientific and Industrial Research		Ballroom
12:30 – 13:10	Sectors impacts and adaptation – six 6-minute inputs	Panellists share scientifically-based information on sector impacts and adaptation to climate change.	Panellists	Focus	Ballroom
			Mr Barney Kgope, South African National Biodiversity Institute	Biodiversity	
			Dr Sylvester Mpandeli, Agricultural Research Council	Agriculture	
Prof Roland Schulze, University of KwaZulu-Natal	Water Resource Management				

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			Dr Jane Olwoch, University of Pretoria	Health	
			Dr Gina Ziervogel, Climate System Analysis Group	Food Security	
			Ms Belynda Petrie, One World Solutions	Sustainable Livelihoods	
PARALLEL SESSION 3b – RESPONSES					
11:45 – 11:50	Welcome and opening remarks	All participants are welcomed to the session, informed of the session programme and logistical arrangements.	Chair – Ms Nelisiwe Magubane, Deputy Director General: Department of Minerals and Energy		Auditorium
11:50 – 12:10	IPCC 4 th Assessment Report: Mitigation	All participants share a common understanding of the basic findings contained in the IPCC's 4 th Assessment Report and others on mitigation trajectories and their implications for the region.	Dr Mongameli Mehlwana, Council for Scientific and Industrial Research		Auditorium
12:10-12:30	The local situation: Long Term Mitigation Scenarios (LTMS)	All participants share a common understanding of the key findings and proposals emerging from the LTMS.	Ms Joanne Yawitch, Deputy Director General: Department of Environmental Affairs and Tourism		Auditorium
12:30 – 13:10	Sectors Impacts and mitigation six 6-minute inputs	Panellists share empirically-based information on sector responses to climate change. Here the intention is not to pre-empt a policy position but rather to open up a discussion.	Panellist	Focus	Auditorium
			Mr Kim Fraser, Business Unity South Africa	Business responses to climate change	
			Dr Llewellyn van Wyk, Council for Scientific and Industrial Research	Built Environment	
			Dr Velaphi Msimang, Department of Science and Technology	Hydrogen and Energy	
			Mr Stef Raubenheimer, SouthSouthNorth	Carbon Markets	

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			Mr Shumani Mugeru, Department of Transport	Transport Sector	
			Ms Mandy Rambharos, Eskom	Eskom's Research Efforts	
13:10-14:10	Lunch				
13:10-14:10	Side Event: Carbon Capture and Storage as a Greenhouse Gas Mitigation Measure in South Africa	This event will present the latest activities in carbon capture and storage in South Africa, including the establishment of a Centre for Carbon Capture and Storage and the commissioning of associated research projects.	South Africa National Energy Research Institute		Gallagher Grill B
13:10-14:10	Side Event: Cities role in climate change mitigation and adaptation	A combined presentation and discussion session.	Lead by Sustainable Energy Africa		Gallagher 3 A
13:10-14:10	Side Event: Climate Change Adaptation and Small Scale Farmers	To share experiences of practical and successful adaptation by small scale farmers and critically examine frame conditions necessary for successful adaptation.	Environmental Monitoring Group		Gallagher 3 B
14:10 – 15:30	Moderated Questions and Answers (through a panel of experts)	Moderated discussion for 1 hour and 15 minutes and each of the 8 speakers are then given a maximum of 3 minutes to provide concluding remarks.	All Session 3a speakers		Ballroom
14:10 – 15:30	Moderated Questions and Answers (through a panel of experts)	Moderated discussion for 1 hour and 15 minutes and each of the 8 speakers are then given a maximum of 3 minutes to provide some concluding remarks.	All Session 3b speakers		Auditorium
15:30- 16:15	Refreshments				
Session 4 Summary					
16:15 – 16:20	Welcome and opening remarks	All participants are welcomed to the session, informed of the session programme.	Chair - Ms Marjorie Pyoos, Deputy Director General: Department of Science and Technology		Ballroom
16:20 – 16:45	Key issues from parallel session		Chair from session 3A: Ms Pamela Yako, Director General: Department of Water Affairs and Forestry; and Chair from session 3B: Ms Nelisiwe; Magubane, Deputy Director General: Department of Minerals and Energy		Ballroom

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16:45 – 17:00	Closure		Chair - Ms Marjorie Pyoos, Deputy Director General: Department of Science and Technology	Ballroom
17:15 – 18:45	Side Event: Energy Poverty and Climate Change	To present research on energy poverty done by CURES Southern Africa and discuss its implications to the lives of the poor and their productive abilities and possibilities for economic development.	CURES South Africa	Gallagher 3A
17:15 – 18:45	Side Event: Risk and Vulnerability Atlas	To introduce stakeholders in government and business to the objectives and initiatives of the South African Risk and Vulnerability Atlas (SARVA) project, and to give the audience a glimpse of future outputs from the SARVA project.	Department of Science and Technology	Auditorium
18:45 – 20:30	Side Event: Stakeholder engagement on Second National Communication	To update and receive comments on the structure, progress and expected products of the Second National Communication.	South African National Biodiversity Institute	Gallagher 3 B
18:45 – 20:30	Side Event: Building counts for climate	Presentations and discussions on the impact of buildings on climate change, policy instruments to reduce impacts, skills and capacity requirements, and input into sector recommendations.	Construction Industry Development Board co-hosted with the CSIR	Gallagher Grill B