

Climate Change, Energy Environmental Management 2007

August 27th-28th, 2007
INGWENYA, Country Escape, Rivonia 2128
Johannesburg, South Africa

Overview

Nearly two billion people in the world lack access to any form of modern energy services. Providing affordable, reliable and secure energy is essential to end extreme poverty and build a better and cleaner world. Stagnant economies are one of the world's greatest environmental threats. Improved access to cleaner and more secure energy resources will also reduce the growth of greenhouse emissions associated with long-term climate change.

Greenhouse gas (GHG) emissions (Notably Carbon Dioxide) for Global industrial activities and transports are causing climate change. The Challenge we are all facing is how to reduce these as quickly as possible, without incurring major impacts on the economies of the world. The Stern reports (2006) suggested that the cost of not taking action will far exceed the cost of moving quickly toward a non-carbonized society.

Climate Change, Energy and Environmental Management 2007 Conference will showcase the seriousness of the challenges confronting us, the risks we are in, real issues affecting the environment and provide sustainable environmental management solutions. It will also outline the serious impacts of climate change on socio-economic development in both the private and public sectors. Attending delegates will be equipped with knowledge to manage climate change efficiently. The overall objective of this conference is to provide a platform to access information and strategies to comply with environmental policies and effective climate change governance.

Key Objectives

- Monitoring Compliance of greenhouse gas emissions reduction
- Climate change governance and awareness
- Managing the impacts of coal mining on natural resources (Biodiversity and water resources)
- Strategies for financing policy and institutional reforms
- Rehabilitating the energy infrastructures (clean energy systems, Sustainable Energy Resources)
- Pollution and Environmental control
- Developing Sustainable Transport system (Water, Air And Land)
- Environmentally Sensitive and green technology applications
- Link between climate change , Energy and environmental management
- Agricultural reform in multilateral trade system and potential of climate change

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Presenting our Speakers

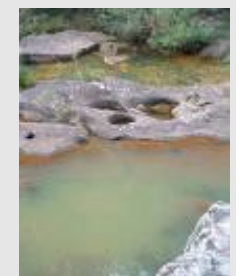
- Chairperson: Maano Ramutsindela**
Associate Professor, **Department of Environment and Geographical Studies University of Cape Town, South Africa**
- **Moustapha Kamal Gueye** Senior Programme Manager, Environment Cluster, **International Centre for Trade and Sustainable Development(ICTSD), Switzerland**
 - **Dr Sue Taylor**
Climate Change Programme Manager, **WWF,South Africa**
 - **Johan Van Den Berg** Director, **WSP Group, South Africa**
 - **Maryna Mohr-Swart** Environmental Advisor, **Chamber of Mines, South Africa**
 - **Kevin A Scott**
Research technologist: Irrigation, **Agricultural Research Council , Institute of Agricultural Engineering**
 - **Jason Scaffler** Managing Director, **Nano Energy, South Africa**
 - **Raj Lochan** Chief Executive Officer, **ROSE FOUNDATION(Recycling Oil Saves The Environment)**
 - **Hilda Mthimunye** Managing Director, **Mosakong , South Africa**
 - **Liziwe McDaid** Environmental Specialist, **The Green Connection- Africa**
 - **Zakhele Ndlose** Environmental Advisor **Beyond Petroleum (BP) South Africa**
 - **Rina Taviv** Air Quality& Climate Change **Natural Resources and Environment, CSIR. RSA**

Who Should Attend This Conference ?

- Environmentalist
- Geologist
- Academic Researchers
- Archaeologist
- Inspectors
- Mining managers
- Automobile managers
- Quality Assurance managers
- Policy Makers
- SHERQ Managers
- Environment Coordinator
- Chief Executive officers
- Managing Directors
- Programme managers
- Human resources managers

Target industries

- Manufactures (Automobile, paper ,etc...)
- Ports
- Geographical
- Agricultural
- Pharmaceutical
- Mining Industry
- Governmental
- Water and Electricity Industries
- Nature Conservation
- Transports (Water, air ,Lands)



Climate Change Conference outline

Monday 27th August 2007

8:30 Registration and welcome refreshments

9:00 Opening remarks by Chairperson

Maano Ramutsindela, Associate Professor

University of Cape Town, South Africa

9.10 Topic: Environmental Crisis and Policy implications

“Historical and Contemporary perspectives”

Maano Ramutsindela, Associate Professor

University of Cape Town, South Africa

10.00 Questions and Answers

10:10 Topic “ Managing and reducing greenhouse gas emissions”

- Greenhouse gas(GHG), emissions for global Industrial activity and transport, cause of Climate change
- How to reduce these issues as quickly possible without incurring major impacts on the economies of the world
- Proposed partnership projects with national government.
- Rewarding Companies that manage to reduce their greenhouse gas emissions according to preset target s
- In the post- 2012 framework, Africa may be compelled to take on GHG target

Dr Sue Taylor, Climate Change Programme manager, WWF

10:55 Questions and Answers

11:05 Morning Refreshments and Networking

11:25 Topic “Agricultural Reform in the multilateral trade system and the potential for climate change”

- Reforming subsidies: Opportunities and challenges for a sustainable energy transition
- Carbon taxation and border tax adjustment : issues of WTO compatibility
- Energy efficiency standard; Climate Change and international trade implications
- Liberalization of environmental goods and services in the Doha round of multilateral trade negotiations: Assessing the Climate change benefits
- Crafting rules for International in synfuels: approaches in the multilateral trade system

Moustapha Kamal Gueye, Senior Programme Manager ,
**International Centre for Trade and Sustainable
Development (ICTSD) Switzerland**

Monday 27th August 2007

12:20 Questions and Answers

12.30 Topic: Renewable and Sustainable Energy Development strategies”

- South African renewable energy resources
- Scenarios for transition to a sustainable energy system
- Monitoring of energy and progress towards targets
- The role of technological innovatory
- Energy policies considerations

Jason Schaffler, Managing Director , Nano Energy RSA

13:20 Questions and Answers

13:30 Lunch and Networking

14:15 Topic “ Environmentally Sensitive and Green technology applications”

- The New generation technology says “The Surroundings first then the profits (Private and public sector)
- International and National practices: Are we conscious?
- Cost Vs benefits of Climate Change : Can we bear the long term Consequences
- New Products: Targeted Industries

Hilda Mthimunye, Managing Director , Mosakong RSA

15:00 Questions and Answers

15:10 Topic “ Petroleum and Environmental Management”

Sakhele Mdlalose, Environmental Advisor, Beyond Petroleum (BP)

15:45: Questions & Answers

15:55: Closing remarks by Chairperson

16:10 End of Day 1

Tuesday 28th August 2007

9:00 Opening remarks by Chairperson

Maano Ramutsindela, Associate Professor

University of Cape Town, South Africa

9.10 **Topic: “Carbon Finance as a tool to bolster clean development”**

- The Link Between Climate Change, Energy, environmental management and Investment

- History and discussion of the Kyoto protocol

- The Clean development mechanism or “CDM”

- The VER or “ Voluntary” Carbon Market

- Case Studies and Potential Projects in Southern Africa

- The Role of practitioners in the evolving of carbon market

Johan Van den Berg, Director, **WSP Group- Africa Region**

10.05 Questions and Answers

10:15 **Topic “ Strategies for implementing energy efficiency”**

- First price, An Energy efficient system

- Focus on the low hanging fruit as a priority

- Full cost accounting to ensure a low ecological footprint

- Public awareness to gain public support

- Monitoring progress to “some for all forever”

Liziwe McDaid, Environmentalist specialist, **The Green Connection**

11:05 Questions and Answers

11:15 Morning Refreshments and Networking

11:30 **Topic “Developing approaches to working in a changed climate lessons from the analysis of agricultural water availability and supply risk management”**

- A Changing Climate (Facts)

- The Impacts of Climate Change on water availability

- Developing new approaches to ensure sustainability of development

Kevin A Scott, Research Technologist, **Agricultural Research Council, Institute of Agricultural Engineering, RSA**

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Tuesday 28th August 2007

12.30 **Topic: “Energy Recycling”**

Recycling Oil Saves The Environment, The ROSE Foundation

- History and Background

- Mission and Vision

- Partnership and Projects

- Collection model

- Industry Association(National Oil Association of South Africa)

- Compliance

- Industry Incentive Scheme

Raj Lochan, Chief Executive officer, **ROSE Foundation, RSA**

13:30 Questions and Answers

13:40 Luncheon and Networking

14:30 **Topic “ Environmental Management, Climate Change and Energy “.**

- Mining Industry and Climate change

- Energy efficiency initiatives

- Other mitigation and adaptation options

- Environmental management as part of the sustainable development initiative

Maryna Mohr-Swart, Assistant Environmental Advisor, **Chamber of mines, RSA**

15:25 Questions and Answers

15:30 **Topic: Technology Needs Assessment (TNA) Resource document for South Africa.**

- Technology transfer must be driven by the needs of the user

- Most technology is used by the non-governmental sector so should be initiated and supported by the private sector and civil society organizations.

- Technology transfer needs to be collaborative, consultative and participatory among many different players.

- Market mechanisms are the main vehicles to deliver and sustain technologies, but should be supported by regulation.

Rina Taviv Air Quality & Climate Change **Natural Resources and Environment, CSIR. RSA**

16:00 Questions and Answers

16:05 Closing remarks by Chairperson

16:10 End of Conference



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Climate Change, Energy Environmental Management 2007

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