

# IMPROVING ACCESS TO ENERGY IN SUB-SAHARAN AFRICA CONFERENCE AGENDA

8 – 10 November 2010:

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## ***Conference Objectives:***

- To provide an opportunity to discuss strategies on improving energy access in sub-Saharan Africa;
  - To encourage the use of clean, easily accessible and affordable forms of energy;
  - To engage senior African policymakers and planners from around the region in dialogue on the above issues and to discuss new programmatic and possible policy directions;
  - To explore the potential for African academies of science to provide additional support to national policy formation in this area; and
  - To support the general development of African academies of science.
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## Opening Ceremony & Launch of the *Turning on Science: Improving Access to Energy in Sub-Saharan Africa* Publication

Monday, 8 November 2010  
17:00 – 21:00

The *Turning on Science: Improving Access to Energy in Sub-Saharan Africa* publication captures the status of energy access in each of the participating countries, identify barriers to improving energy access, and suggests science-based solutions and interventions. The booklet was developed by the Academy of Science of South Africa in consultation with the Cameroon Academy of Sciences, the Ghana Academy of Sciences, the Kenya National Academy of Sciences, the Nigerian Academy of Science, the Uganda National Academy of Sciences, and Académie des Sciences et Techniques du Sénégal, the Mauritius Academy of Science and Technology, the Academy of Science of Mozambique and the Zimbabwe Academy of Sciences.

- 17:00 – 17:40**      **Welcome Remarks**  
Moderator: TBC
- Prof Robin Crewe  
President, Academy of Science of South Africa
  - Prof Michael Clegg  
Foreign Secretary, US National Academy of Sciences
  - Representative: Director (TBC)
- 17:40 – 18:00**      **Video Messages from Major Stakeholders**  
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- 18:00 – 18:30**      **OPENING CEREMONY**  
Moderator: TBC
- Dr Queta Bond  
Chair, Board of African Science Academy Development Initiative
  - Official Opening Speech  
Minister of Energy (TBC)
- 18:30 – 19:00**      **Keynote Speech:**
- 19:00 – 20:00**      **Launch of the *Turning on Science: Improving Access to Energy in Sub-Saharan Africa* Publication/ Press Conference**  
Prof Roseanne Diab  
Executive Officer, Academy of Science of South Africa
- 20:00 – 21:00**      **Cocktail Reception: Lord Charles**
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Scientific Sessions: 09 – 10 November 2010

Tuesday, 9 November

- 08:00 – 09:00**      **Registration**
- 09:00 – 09:45**      **KEYNOTE ADDRESS: Prof. Abubakar Sambo, *World Energy Council (WEC)***
- 09:45 – 10:45**      **SESSION 1: THE STATE OF ENERGY ACCESS IN SUB-SAHARAN AFRICA**  
Moderator: Prof. Anton Eberhard
- **The state of energy access in Southern Africa**  
*Dr Gisela Prasad, University of Cape Town, South Africa*
  - **The state of energy access in West Africa**  
*Nigerian Academy of Sciences, Nigeria (TBC)*
  - **The state of energy access in East Africa**  
*Mr Paul Kirai, Kenya National Academy of Sciences, Kenya*
- General Discussion**
- 10:45 – 11:15**      **BREAK**
- 11:15 – 11:45**      **KEYNOTE ADDRESS: Prof Anton Eberhard, University of Cape Town**  
*Africa Unplugged: Policy, institutional and investment challenges in powering the continent*
- 11:45 – 13:00**      **SESSION 2: ROUNDTABLE DISCUSSION – THE AFRICAN POLICYMAKERS' PERSPECTIVE ON ENERGY ACCESS IN SUB-SAHARAN AFRICA**  
Moderator: Prof. Jonathan Jansen
- **Mr Dudley Sama Achu** - *Ministry of Energy and Water, The Republic of Cameroon*
  - **Honorable Moses Asaga** - *Parliamentary Select Committee on Energy, The Republic of Ghana*
  - **Engineer Isaac Kiva** - *Ministry of Energy, Republic of Kenya*
  - **Professor Mohammed K. Abubakar** - *Minister of Science and Technology, Federal Republic of Nigeria*
  - **Mr Godfrey Ndawula** - *Ministry of Energy and Mineral Resources, The Republic of Uganda*
- General Discussion**
- 13:00 - 14:00**      **LUNCH**
- 14:00 – 15:00**      **SESSION 3: ENERGY & SUSTAINABLE DEVELOPMENT**  
Moderator: Prof. Boaventura Cuamba
- **Energy and Climate Change**  
*Mr Peter Lukey, Department of Environmental Affairs*
  - **Research, development and deployment of clean energy technologies in sub-Saharan Africa**  
*Mr Itotia Njagi, Lighting Africa*

- **The sustainability of renewable energies**  
Prof Hermann-Josef Wagner, *German Academy of Sciences, Leopoldina*

**General Discussion**

**15:00 – 15:30**

**BREAK**

**15:30 – 17:00**

**SESSION 4: INCREASING ENERGY SERVICES IN SUB-SAHARAN AFRICA**

Moderator: Mr Paul Kirai

- **Energy for economic development in sub-Saharan Africa**  
Mr Steven Karekezi, *African Energy Policy Research Network (AFREPEN/ FWD)*
- **Energy access for rural communities in sub-Saharan Africa**  
Prof. Albert Rugumayo, *Uganda National Academy of Sciences (UNAS)*
- **Overcoming energy access challenges in resource-constrained countries: the case of Mozambique**  
Prof. Boaventura Cuamba, *Mozambique Academy of Science*
- **The role of development finance institutions (DFIs) in supporting energy sector development in Southern Africa**  
Ms Jean Madzongwe, *Development Bank of Southern Africa (DBSA)*

**General Discussion**

**18:30 – 21:00**

**DINNER:**

Guest Speaker – Minister of Science and Technology (TBC)

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**Wednesday, 10 November**

- 08:30 – 09:15**      **KEYNOTE ADDRESS:UN-Habitat (TBC)**
- 09:15 – 10:15**      **SESSION 5: POLICY AND CAPACITY BUILDING FOR IMPROVING ENERGY ACCESS**  
Moderator: Prof. Albert Rugumayo
- **Strategies, opportunities and barriers to energy policy implementation**  
*New Partnership for Africa's Development (NEPAD) (TBC)*
  - **The role of skills development and research for ensuring energy security in South Africa**  
Mr Barry Bredenkamp, *South African National Energy Research Institute (SANERI)*
  - **Policy and regulatory options for improving energy access to clean and renewable energy**  
Ms Noma Qase, *Department of Energy*
- General Discussion**
- 10:15 – 10:45**      **BREAK**
- 10:45 – 11:30**      **SESSION 6: ENERGY RESOURCES AND TECHNOLOGICAL OPPORTUNITIES**  
Moderator: TBC
- **The role of grid electricity in improving energy access in sub-Saharan Africa**  
Dr Steve Lennon, *ESKOM, South Africa*
  - **Nuclear energy for Africa**  
Dr Rob Adam, *South African Nuclear Energy Corporation (NECSA)*
- General Discussion**
- 11:30 – 12:15**      **SESSION 7: Roundtable discussion: Achieving Energy Access for All: Lessons learnt and way forward**  
Moderator: Dr Patrick Kelley
- General Discussion**
- 12:15 – 12:45**      **SESSION 8: CLOSING SESSION/ HANDING OVER TO THE UGANDA NATIONAL ACADEMY OF SCIENCES**  
Moderator: TBC
- Director General, Dept of Science and Technology
  - President-Elect, Academy of Science of South Africa
  - President, Uganda National Academy of Sciences
- 13:00 – 17:30**      **SESSION 9: Site Visits**  
**(Packed lunches will be provided)**
- **Palmiet Pumped Storage Scheme**
  - **Koeberg Nuclear Power Station**
  - **Kuyasa CDM Project**

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