**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.
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
XXX
XXX

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
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

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)
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

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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