

## **Future Energy Scenarios for sub-Saharan African Cities Unlocking Opportunities for Climate Responsive Development**

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### **Timing**

Date: 10 May 2017

Time: 11.30-13.00

Room: C1 (capacity circa 160) at the Vienna International Centre (VIC)

Duration: 90 minutes

Cluster: Policy

### **Background**

Africa's urban population is projected to rise from 400 million to 1.34 billion between 2010 and 2050 which represents nearly half of the projected rise in numbers of urban dwellers globally. To date urbanisation in sub-Saharan Africa has not, for the most part, been matched with improvement in service delivery and economic growth which hampers development opportunities. At a time when cities are consuming 80% of total energy and releasing 75% of global CO<sub>2</sub> emissions, it is clear that the success of the global climate goals largely depends on action in cities.

The EU Energy Initiative Partnership Dialogue Facility (EUEI PDF) developed a study on [Future Energy Scenarios for sub-Saharan African Cities](#) which analyses the main megatrends that will shape the future of African cities and presents scenarios and policy choices to embark into a more sustainable path of growth. The analysis, carried out in consultation with all mayor city networks as well representatives from various African municipalities, confirms several aspects needed in order to ensure a climate resilient development of African cities. This includes fostering vertical dialogue between national and municipal governments to allow energy implementation locally, enabling energy action in informal settlements in urban and peri-urban areas, proving the contribution that cities can have to achieve national objectives (e.g. NDCs) as well as enhancing the capacity of local authorities to make projects ready for accessing financing.

### **Objective**

The main objective of the session is to discuss three main challenges which city administrations in sub-Saharan Africa face in the transition to a sustainable energy supply for urban settlements: informality, capacity and funding. This session will present the outcomes of the energy scenarios for sub-Saharan African cities and coordinate an interactive discussion around the three identified key areas for action.

**Vienna Energy Forum, Future Energy Scenarios for sub-Saharan African Cities, 10<sup>th</sup> May 11:30-13:00**

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Austrian  
Development Cooperation



## Setting

The guiding questions below shall structure the discussion, however participants are invited to engage with the experts in an interactive discussion.

### **Enabling energy action in urban and peri-urban informal settlements**

- ▶ What are the three main challenges of providing energy access to informal settlements in urban and peri-urban areas of sub-Saharan Africa?
- ▶ What are two innovative solutions for addressing energy access challenges in informal settlements which currently host around 70% of the urban population?
- ▶ Should the provision of access in informal settlements be centralised or decentralised?

### **Supporting capacity building needs of energy in municipalities**

- ▶ What are the main needs that municipalities in sub-Saharan Africa face in terms of capacity building?
- ▶ Which approaches for integrated planning that consider horizontal co-ordination and integration of sectors (energy, water, climate, housing and transport) could be applied?
- ▶ How can development partners support vertical integration of energy governance between national and municipal governmental bodies to achieve effective energy action in cities?

### **Unlocking finance for energy projects in primary and secondary cities**

- ▶ Which financing lines are available for municipalities to implement RE and EE projects?
- ▶ How can bilateral and international development banks provide financing to primary and secondary cities in sub-Saharan African cities given the local currency risks and the common lack of city rating?
- ▶ What needs to change in municipal and national governance structures so that cities can access existing international climate finance?

Participants will specifically explore how various stakeholder groups can enhance the effectiveness of the identified key areas for action and progress towards achieving Sustainable Development Goals in the context of African cities. Finally, this session will also contribute to enhancing awareness of the role of cities in achieving national and international energy and climate objectives.

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## Provisional programme:

**Moderator:** Ms Belinda Mills, Climate Officer, ICLEI Africa

5 mins **Introduction by Key Note Speaker**

Dr Tania Rödiger-Vorwerk, Deputy Director General, Federal Ministry of Economic Cooperation and Development (BMZ)

15 mins **Energy Scenarios for Climate Responsive Development in African Cities**

Ms Silvia Escudero, Project Manager, EUEI PDF

45 mins **Thematic discussion:**

▶ **Enabling energy action in urban and peri-urban informal settlements**

Mr David Hees, Solar Utility Manager, Sustainability Institute

▶ **Supporting capacity building needs of energy in municipalities**

Mr Edison K. Masereka, Business Development and Research Manager, Kampala Capital City Authority

▶ **Unlocking finance for energy projects in primary and secondary cities**

Mr Felix Akrofi-Atitianti, Junior Project Officer, Low Carbon Cities ICLEI

10 mins **Q&A**

5 mins **Session summary and way forward by Chair**

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## Speakers:

**Moderator:** Ms Belinda Mills, Climate Officer, ICLEI Africa

**Key note Speaker:** Dr Tania Rödiger-Vorwerk, Deputy Director General, Federal Ministry of Economic Cooperation and Development (BMZ)

**Panellist:** Ms Silvia Escudero, Project Manager, EUEI PDF

**Panellist:** Mr David Hees, Solar Utility Manager, Sustainability Institute

**Panellist:** Mr Edison K. Masereka, Business Development and Research Manager, Kampala Capital City Authority

**Panellist:** Mr Felix Akrofi-Atianti, Project Officer, Low Carbon Cities ICLEI

## Moderator



*Ms Belinda Mills*, Climate Officer, ICLEI Africa

Within ICLEI, Belinda focuses on low carbon cities. In particular she works with Local Governments around Africa on sustainable energy access, policies, smart transport and Carbon reporting.

## Key Note Speaker



*Dr Tania Rödiger-Vorwerk*, Deputy Director General, Federal Ministry of Economic Cooperation and Development (BMZ)

Tania Rödiger-Vorwerk has served in multiple positions for the German Federal Ministry for Economic Cooperation and Development. Currently she is Dep. Director General at Directorate 31 – Environment and Infrastructure. She has led bilateral development policy and cooperation with South Asia, crisis prevention and peace building, human resource development and has served as Director of Strategy and Planning. The experienced lawyer supported former Federal President of Germany, Prof. Dr. Horst Köhler, in his function as member of the United Nations High Level Panel on the Post-2015 Development Agenda for UN SG Ban Ki-moon as “Sherpa” - heading the cross institutional shaped Sherpa-Staff. Prior to her work at the ministry, she was Deputy Head of the Department of International Affairs and Protocol of the City of Bonn and was strongly involved in the change management and the United Nations settlement after reunification.

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## Panelists



**Ms Silvia Escudero**, Project Manager, EUEI PDF

Silvia Escudero has been working as a Project Manager at the EU Energy Initiative Partnership Dialogue Facility (EUEI PDF) since 2014. Her work focuses on the assessment and development of energy policies, strategies and regulation, as well as support for capacity building and strengthening of partner governments and institutions (at municipal and national level). She is also the focal point for research topics in the areas of energy and cities as well as energy and climate change.



**Mr David Hees**, Solar Utility Manager, Sustainability Institute

David manages the iShack project - the flagship social enterprise of the Sustainability Institute Innovation Lab (SIIL) which provides pay-for-use solar electricity to un-electrified urban slums in South Africa. He has been a project manager and consultant for the last 10 years working in the fields of renewable energy and energy efficiency. His skills include project planning, procurement, implementation and development of systems for quality management and financial strategy and has been a strong advocate for solar power, sustainable development and energy conservation in developing countries throughout his career.



**Mr Edison K. Masereka**, Business Development and Research Manager, Kampala Capital City Authority

With over 15 years of experience of public service, Edison has coordinated numerous teams and assignments relating to public policy, planning and corporate strategy. He is results oriented with wide exposure to global best practices in the field of economics, policy analysis, and corporate strategy and urban development. As Manager Business Development & Research at KCCA, Edison has been part of the team that spear headed reforms in City Administration in Kampala which has attracted attention locally and internationally. He was also the project team leader for the Kampala Climate Change Action Plan. Edison holds a Master's Degree in Economic Policy Management and a Bachelor of Commerce Degree from Makerere University. Areas of interest include; development economics, public policy, strategic planning, sustainable urban development, business and organisational development.

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*Mr Felix Akrofi-Atitianti*, Project Officer, Low Carbon Cities ICLEI  
Felix focuses on low emission development and enhanced air quality in cities. With a background in Geography, Environmental Risk Management and Sustainable Development, he supports global coordination activities of the Low Carbon City Agenda. He also engages in projects of the Urban Health Initiative of the Climate and Clean Air Coalition and the Covenant of Mayors in Sub-Saharan Africa. Prior to joining ICLEI, he conducted research on climate change adaptation and mitigation with organizations such as the Food and Agriculture Organization of the UN in Rome and the UN University in Accra.

## Organizers



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