

# Future Energy Scenarios for African Cities

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## Timing

Date: Thursday, 9<sup>th</sup> November 2017

Time: 12.00-13.30

Cities and Regions Pavilion, Bonn Zone

## 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 that some of the main challenges in the transition to a sustainable energy supply for urban settlements include the lack of mandate and capacity of municipalities to enable action locally.

## Objective

The main objective of the session is to present the outcomes of the energy scenarios study for sub-Saharan African cities and coordinate an interactive discussion around the three identified best practice models for unlocking action in municipalities of sub-Saharan Africa.

## Setting

The session will focus on unpacking the megatrends that will shape the future of African cities. It is based on a report that presents scenarios and policy choices, with four specific examples of successful energy and climate action including both private and public sector led initiatives.

The EUEI PDF currently receives contributions from the European Commission, Austria, Finland, Germany, Italy, the Netherlands and Sweden

Following the presentation, an interactive discussion around three identified models for successful energy and climate action in sub-Saharan African municipalities using different approaches will be coordinated. Depending on the legislative mandate for energy and climate as well as the empowerment and skills of local stakeholders in different cities, a range of diverse and powerful models has been witnessed in sub-Saharan African cities:

- self-governing action led by a private sector company
- governing by authority or provision in public municipalities
- governing by enabling through civil society led awareness campaigns and partnerships

A Q&A from the floor will follow the panel discussion. Participants will specifically explore how various local stakeholder groups can also lead energy and climate action and contribute towards achieving the climate goals set in the context of the Nationally Determined Contributions (NDC) in sub-Saharan African countries. Using different approaches depending on the mandate and skills available locally, local stakeholders will highlight how they have managed to overcome obstacles and bring change to their municipality. Finally, this session will also contribute to enhancing awareness of the role of cities in achieving national and international energy and climate objectives.

## Provisional programme:

**Moderator:** Grace Stead, Senior Professional Office, ICLEI Africa.

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| 5 mins  | <p><b>Introduction by Key Note Speaker:</b></p> <p>Vincent Kitio, Chief, Urban Energy Unit Urban Basic Services, UN-Habitat</p>  |
| 15 mins | <p><b>Energy Scenarios for Climate Responsive Development in African Cities: Video and Input for Discussion</b></p> <p>Silvia Escudero, Project Manager, EU Energy Initiative Partnership Dialogue Facility (EUEI PDF)</p>   |
| 40 mins | <p><b>Thematic discussion:</b></p> <ol style="list-style-type: none"> <li>1. Sello Mphaga, Divisional Head in the City Sustainability Unit, City of Tshwane (Pretoria)</li> <li>2. Morwesi Ramonyai, Managing Director, Borena Energy</li> <li>3. Alessandro Galimberti, Senior Social and Economic Development Specialist, AVSI Foundation</li> </ol> |
| 10 mins | <p><b>Q&amp;A and Wrap-Up</b></p>  |

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## Speakers:

### Moderator



*Grace Stead*, Senior Professional Office, ICLEI Africa

Grace started her career as a town planner in local government, but soon realised the challenges of urban living and shifted across to actively promoting sustainable development through Local Agenda 21. After working for local government for 12 years she decided to start a company that focusses on practical sustainable living. She currently works with ICLEI Africa on partnerships and special projects.

### Key Note Speaker



*Dr. Vincent Kitio*, Head of the Urban Energy Unit, UN-HABITAT

Dr. Kitio heads the Urban Energy Unit of UN-HABITAT, a section that works on three focus areas: universal energy access for the urban poor, energy efficiency in the built environment and renewable energy technologies in urban areas. He oversees the implementation of regional programs in Africa that aim at mainstreaming energy efficient measures in housing policies, building codes, building practices and building finance. Mr. Kitio represents UN-Habitat, in the UN-Energy, which ensures coherence among all UN agencies on addressing energy issues for sustainable development as well as supporting the SE4ALL decade. He also represents UN-Habitat in the Advisory Board of the Covenant of Mayors Sub Saharan Africa.

### 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.

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*Sello Mphaga*, Acting Divisional Head: City Sustainability. City of Tshwane.

Sello Mphaga over 22 years' experience in local government administration, policy development and project management.

He is currently serving as the Divisional Head in the City Sustainability Unit, which is located in the Office of the Executive Mayor. His responsibilities include managing the Greenhouse Gas Emission Inventory (GHGEI), stimulating renewable energy uptake, guiding a low carbon mobility and sustainable waste management transition, facilitating the green economy projects, driving behavioural change programmes as well as profiling and reporting the City's Sustainability initiatives on numerous national and international platforms.



*Alessandro Galimberti*, Senior Social and Economic Development Specialist, AVSI Foundation.

He spent the first part of his professional career as Marketing and Commercial Director in different international companies. During the last ten years, he has worked in Africa as Country Director and Team Leader for the AVSI Foundation, a leading NGO in the sector of slum upgrading, education and renewable energies. For AVSI, he has supervised the strategy design, the startup and management of ICSs production and distribution activities in different countries such as Mozambique, Uganda and the Republic of the Congo.



*Morwesi Ramonyai*, Managing Director, Borena Energy.

Morwesi Ramonyai is an impact entrepreneur with a passion to advance renewable energy as a solution to the energy poverty problem. She has varied and extensive experience in the renewable energy sector as founder of a Solar PV project developer & installation company specializing in the off-grid market, a partner in an award winning Blockchain based crowd-funding platform for Solar Energy Projects, and co-founder of Sustainable AfriKa Advisory Services firm that promotes the implementation of the UN SDGs in Africa. She's holds a Bcomm undergraduate from Rhodes University, an Executive MBA from the University of Cape Town and a various sector related qualifications.



## Organizers



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