

Unlocking Opportunities for Climate Responsive Development of Energy in African Cities

Friday, 11th November 11am



Agenda

Session Chair: Daniel Werner, EUEI PDF

Moderator: Jens Drillisch, KfW Development Bank

Key note speech: Jean Pierre Elong Mbassi, UCLG Africa

- **EUEI PDF study:** Silvia Escudero, EUEI PDF
- **Panel discussion: Sustainable energy in municipalities**
 - Mohammed Sefiani, Mayor of Chefchaouen
 - Vera Rodenhoff, German Ministry of Environment (BMUB)
 - Caroline Huwiler, Institute for Development, Environment&Energy (IDE-E)
 - John Dulac, International Energy Agency (IEA)
 - Meggan Spires, ICLEI Africa
 - Vincent Kitio, UN-HABITAT
- **Q&A**
- **Session summary and way forward**

Unlocking Opportunities for Climate Responsive Development of Energy in African Cities

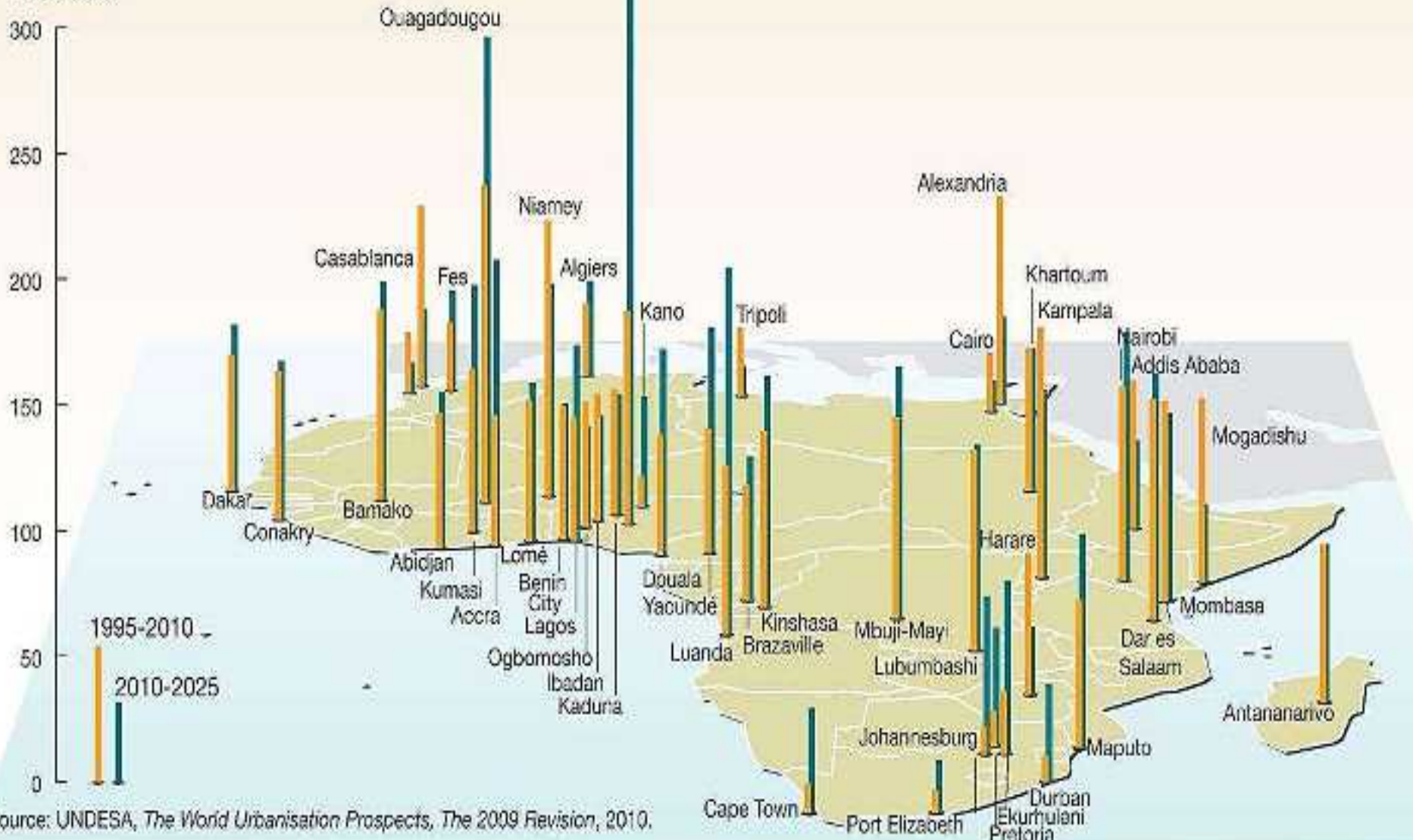
EU Energy Initiative Partnership Dialogue Facility (EUEI-PDF)

Future Energy Scenarios for African Cities
Unlocking Opportunities for Climate Responsive
Development



Urban Growth Rate in Africa

Current and projected urban population growth for selected cities for the periods 1995-2010 and 2010-2025
Percentage



Source: UNDESA, *The World Urbanisation Prospects, The 2009 Revision*, 2010.

Megatrends: Urbanisation Scope and Space



Dar es Salaam, Tanzania



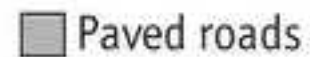
Hangzhou, China



Willingboro, NJ, USA



Houses

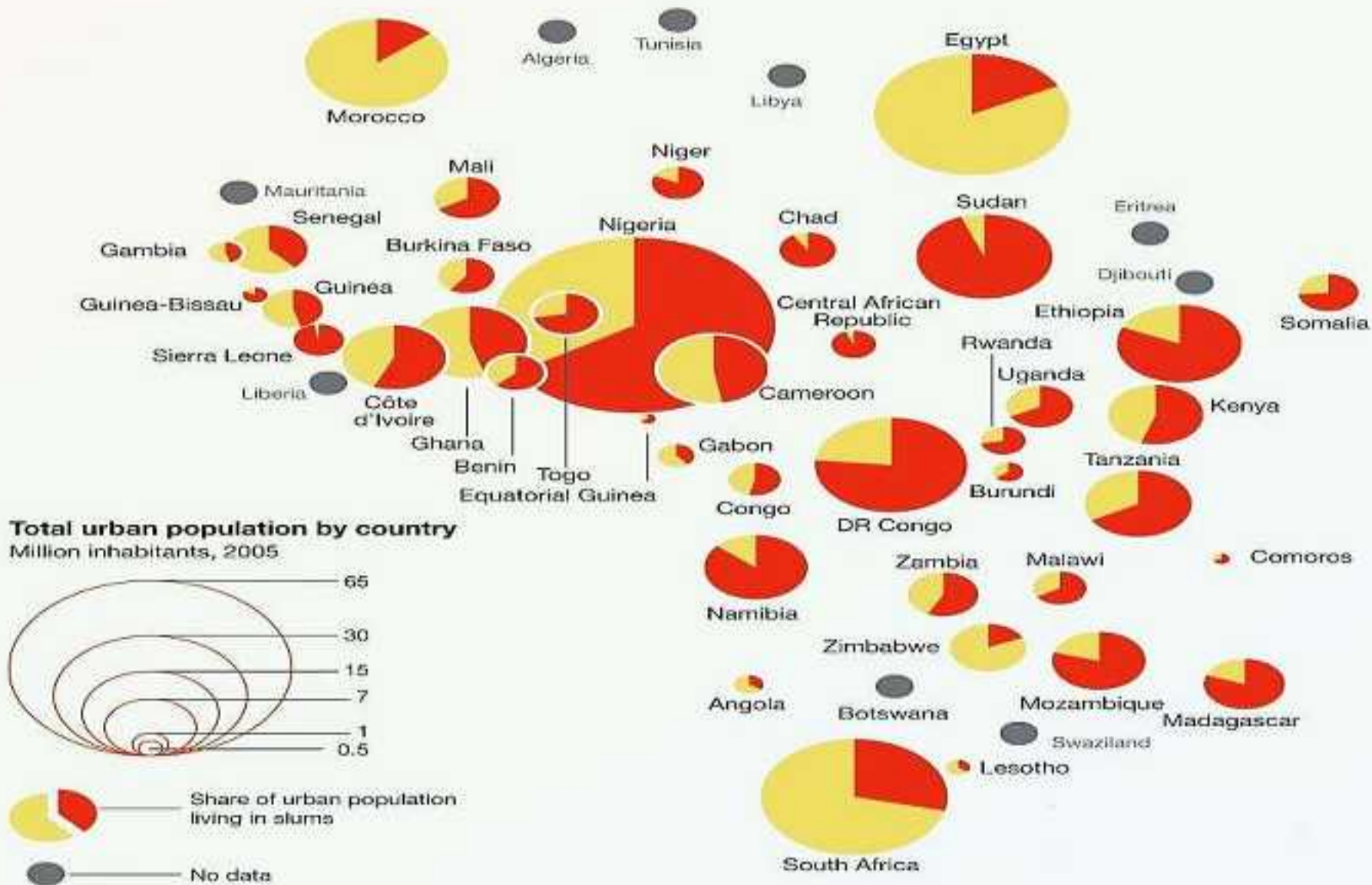


Paved roads



Fields

Slum Population in Urban Africa



Source: UNDESA, *The World Urbanization Prospects, The 2009 Revision*, 2010.

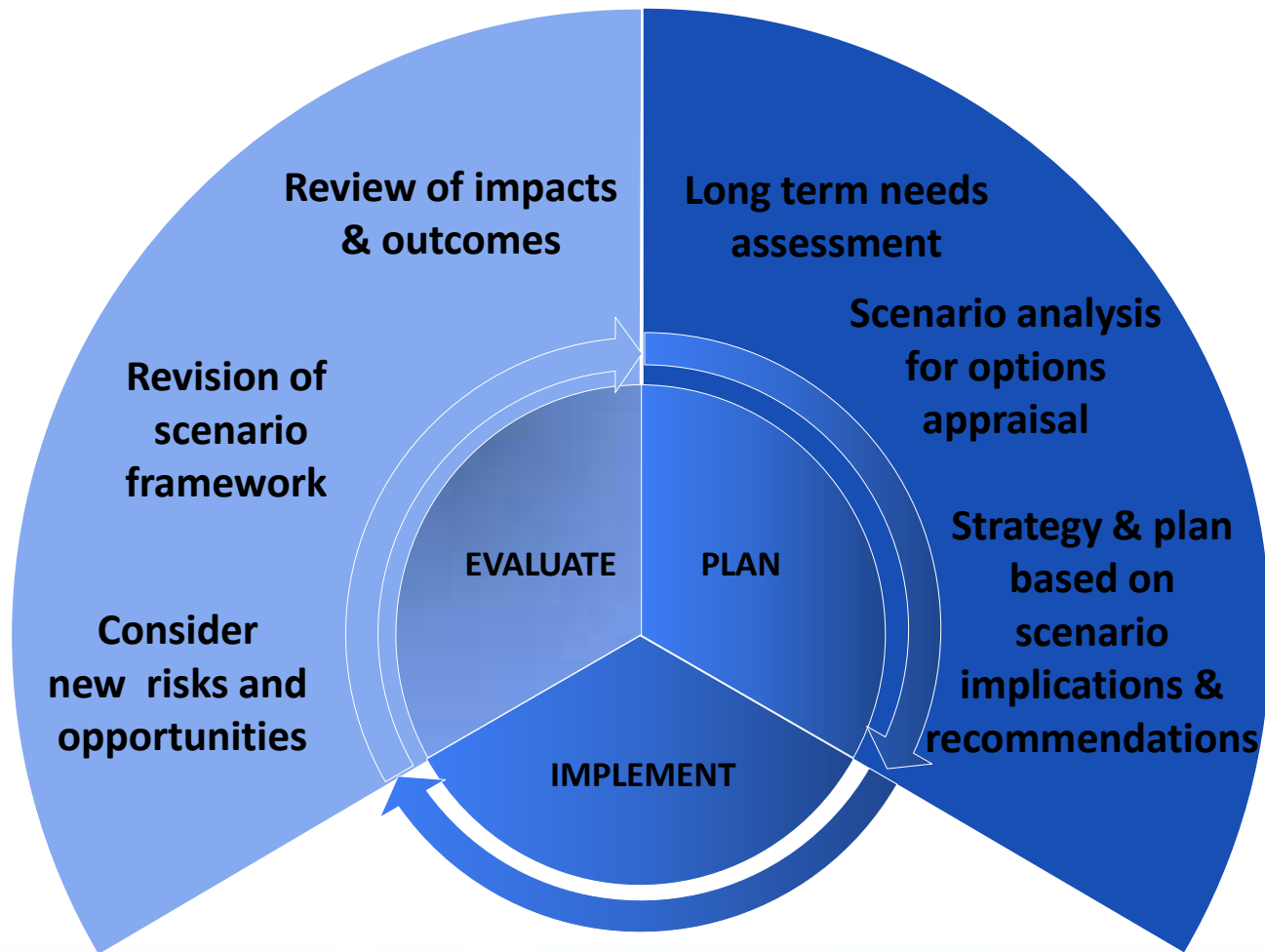
Objectives of Strategic Foresight – Energy Scenarios 2050

Support long term strategic planning



- Break down complexity of urban planning (inter-sectorial inputs)
- Identify the main megatrends that will shape the future of African cities
- Classify drivers for change and wild cards to improve risk management

Application of Strategic Foresight – Energy Scenarios 2050



The Scenarios



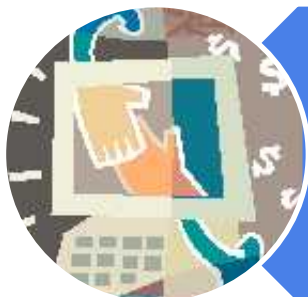
Selected results of Scenario Analysis



Public institutions: Vertical integration of governance between the national and municipal level is necessary to achieve action locally



Civil Society/Informal sector: 70% of urban population lives in slums. Innovative solutions to address issues in informal settlements need to be developed e.g. lack of energy access



Private sector and financing institutions: Financing possibilities for renewable energy and energy efficiency in municipalities need to be developed

Example: Scenario 4 – Technology enabled growth



- Private-sector leading technological progress and outpacing action in governments (similar to the telecommunications sector)
- Widespread decentralised solutions emerging
- Role of vertically integrated local utilities diminished

Key messages of Strategic Foresight - Energy Scenarios 2050



Strategic Foresight is a powerful instrument to support long term planning



Megatrends shaping the future of African cities: urban population growth, economic growth, increasing energy demand, climate risks, progress in health&education



Success of the global climate agreement largely depends on action in cities which consume 80% of total energy & release 75% of global CO₂

Thank you for your attention!

Silvia Escudero
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www.euei-pdf.org

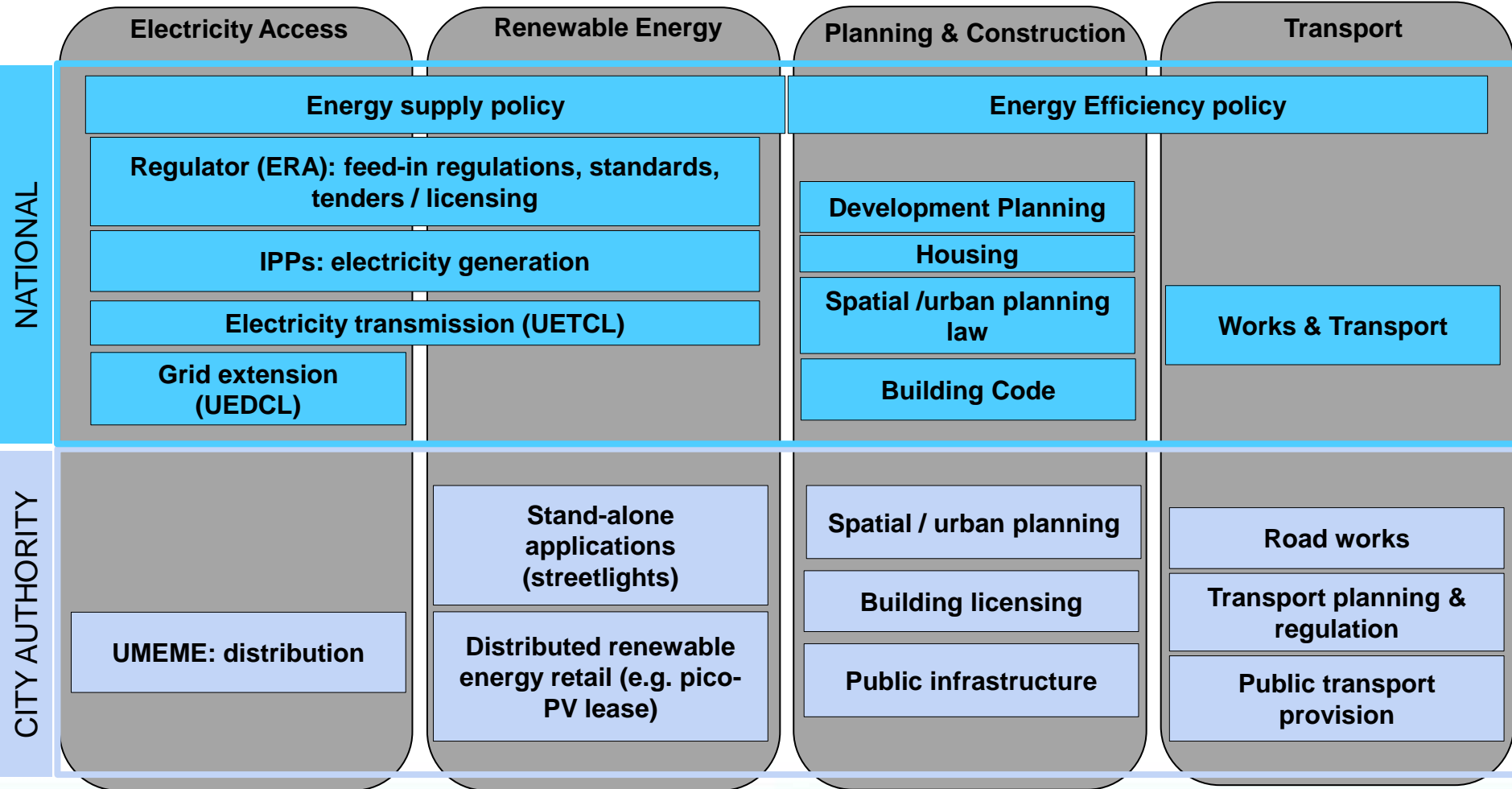


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Backup

Urban policy landscape: Kampala, Uganda



Urban policy landscape: South Africa

