



The Covenant of Mayors

Extension to Sub-Saharan Africa

Felice ZACCHEO, Deputy Head of Unit, DG DEVCO C6, Sustainable Energy and Climate Change

Claudia BOLDRINI, DG DEVCO C6

**Empowering
Development**

Energy Efficiency and Development

Inefficient and inappropriate use of energy is a major obstacle to economic development

Insufficient planning, unorganised management and maintenance, inefficient equipment, under/over dimensioned or obsolete infrastructure lead to high costs, commercial deficits, waste of resources, power cuts, inequalities, pollution...

The three SE4All targets of energy access, renewable energy and energy efficiency are strictly interlinked:

- Energy efficiency allows providing better services to more users with the same quantity of energy produced
- The use of renewable energy sources increases local generation of clean energy
- Access to modern energy services is improved

Énergie		Lave-linge
Fabricant		
Modèle		
Économe		
A		
B		
C		
D		
E		
F		
G		
Peu économe		
Consommation d'énergie kWh/cycle		0.95
Efficacité de lavage		A+++
Efficacité d'essorage		A++
Vitesse d'essorage (tr/min)		1200
Capacité (blanc kg)		5,0
Consommation d'eau L		48
Bruit [dB(A) no 1 pW]	Lavage	51
	Essorage	65

EU Energy Label



Covenant of Mayors

Launched in 2008 in the EU

Local authorities subscribing to CoM commit to:

- **Control / Reduce their GHG emissions**
 - -20% in 2020 for EU cities
 - Adapted objectives (different targets) for cities in the Neighbourhood regions (East and South)
- **Adopt a Sustainable Energy Action Plan (SEAP)**

In 2015 :

- **6.500 signatory cities (200 million people)**
 - Active in Europe, East and South Neighbourhood, Central Asia
- **More than 4.500 cities have already approved their Action Plans**

Extensions of the Covenant of Mayors

Already launched:

- East Neighbourhood (until Caucasus)
- South Neighbourhood (Mashrek & Maghreb)
- Central Asia

It is currently foreseen to extend the CoM to all other regions to create a 'Global Covenant of Mayors'

- In Asia and America: DG ENER and DG REGIO are jointly developing the initiative
- DG DEVCO will cover the other regions of the world, starting with Sub-Saharan Africa



Global shared long term vision for cities (1)

Cities in developed countries:

- Use a lot of energy – Emit a lot of GHG
- Have high levels of Energy access and urban services
- Need to decrease energy and emissions while still improving the service (including re: energy poverty)
- Are less vulnerable to climate change



Urban works - Cotonou

Global shared long term vision for cities (2)

Cities in developing countries:

- Use less energy – Emit fewer GHG
- Have generally low levels of Energy access and urban services
- Need to increase access to energy and services while controlling emissions
- Are often more vulnerable to climate change impacts



Urban works - Cotonou

Global shared long term vision for cities (3)

Cities in all countries can benefit from:

- **Better organisation and higher efficiency**
- **Shared long term vision of energy production, use and GHG emissions**
- **Improved resilience to climate change impact**

→ Need to combine development, CC mitigation and adaptation in a common vision enhancing synergies and reducing negative effects



Urban works - Cotonou

From a shared vision to a common tool

How to adapt the Covenant of Mayors to Africa?

Keep the principles but broaden the scope, looking for fair shared objectives:

- **The Sustainable Development Goals, approved in September 2015**
- **National/regional mitigation and adaptation commitments to be pledged by parties for the UNFCCC process (COP-21 and beyond)**
- **The Sustainable Energy For All objectives**



Urban works - Cotonou

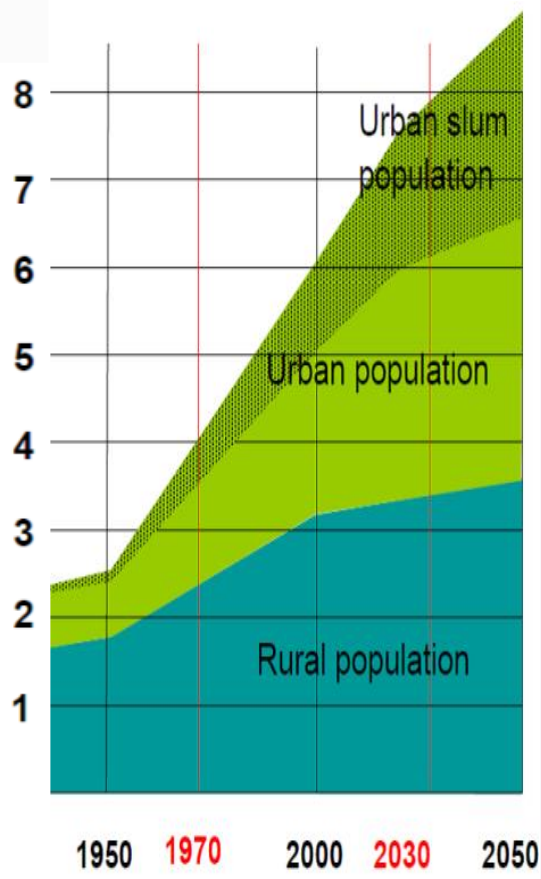
ACCESS TO CLEAN ENERGY is as important as adaptation and mitigation! A consistent policy needs to address all together.

Involve Mayors and cities of Sub-Saharan Africa

Specific context and challenges of Sub-Saharan cities:

- Very high, often uncontrolled, rate of urbanisation
- Majority of city dwellers in informal systems/living arrangements

To stimulate economic and social development and improve the quality of life of citizens, cities need to guide urbanisation with efficient urban planning, transport systems, increased access to energy systems, sustainable energy use and production





Women collecting water - Mali

Towards an African Covenant of Mayors

The priority needs of African cities and citizens

- **Improve the conditions of living and alleviate poverty**
- **Empower development, improve the economy**
- **Access to basic and resilient urban services linked to energy (lighting, electricity, cooking, mobility, water, health...)**
- **Set up appropriate energy, transportation and spatial planning to manage city and population growth**
- **Preserve local resources and prevent land degradation**

Embark energy efficiency and climate action

- **As means to achieving access and development**
- **As longer term absolute commitments**



Zero net energy homes

Pilot project for a "Covenant of Mayors" in Sub-Saharan Africa

Approach in the DEVCO GPGC pilot project (10 m €)

- **First focus on Sub-Saharan Africa and on Urban/Energy/Transportation planning**
- **Select a first pilot group of cities**
- **Work with city networks**
 - Embark the know-how of European Local Authorities Associations
 - Work in close cooperation with African city networks
- **First project to be extended**
 - To more cities in Africa
 - To be replicated in other regions (Caribbeans, Pacific...)

Covenant of Mayors in Sub-Saharan Africa

Implemented by city-networks

Direct Management by DEVCO

Platform

Technical Assistance

1st Call for Proposals

Animation of the network
Link with EU Covenant
Political advocacy
Communication
Training

Methodology
Tools
Technical Support

Initially 5-7 cities selected
Support for planning process
Drafting of SEAP

Other cities

Central Government



Objectives of the Call for Proposals

- Engage SSA cities into sustainable planning and local development
- Increase capacity
- Support direct city-to-city cooperation (EU-SSA, SSA-SSA as well as other regions)
- Initiate projects through feasibility studies and early actions
- Show the benefit of energy-efficiency projects

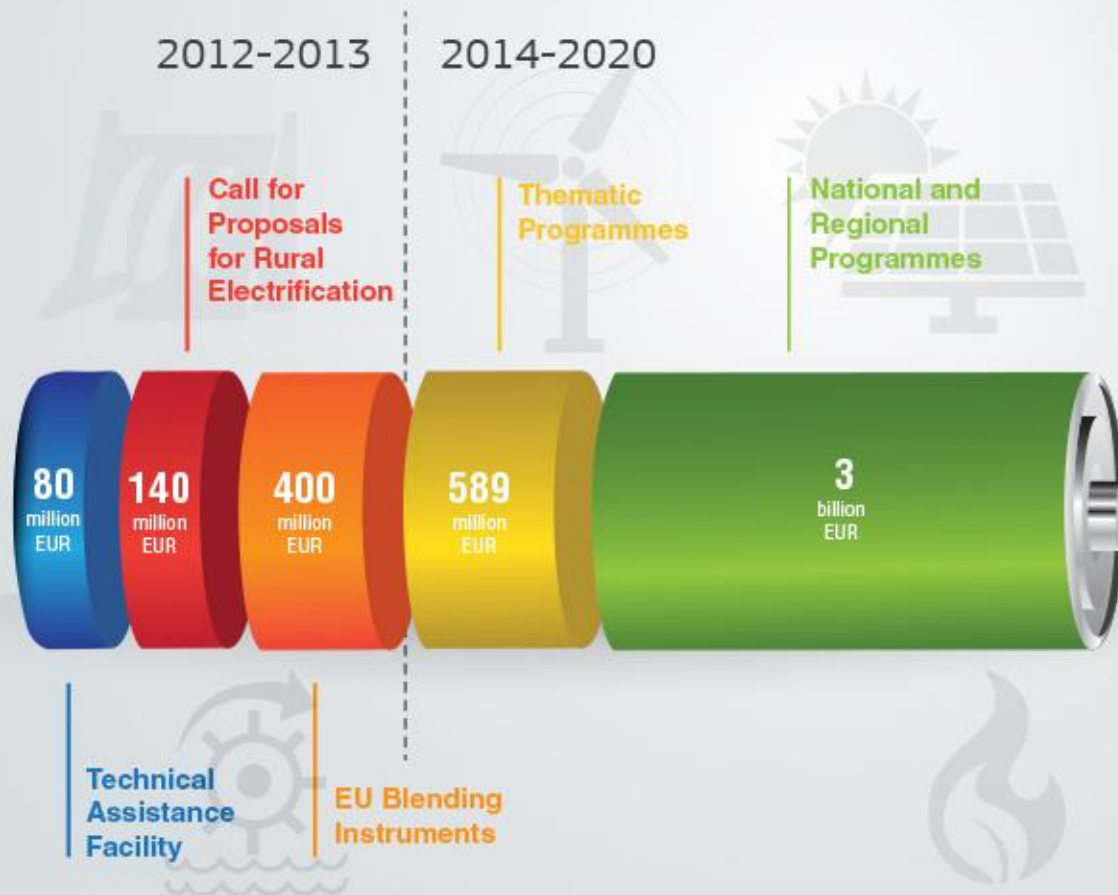
Zero net energy homes



Objectives of the Direct Grant for 'Local Authority Platform'

- **Support 'African Covenant of Mayors' implementation and objectives**
- **Dissemination of information, organisation of workshops**
- **Network and Political Advocacy**
- **Technical support to the programme (both to the EU and to participating cities)**

Zero net energy homes



More than EUR 4 billion for the fight against energy poverty

- **EUR 600 million mobilised** already in 2012-2013
- **More than EUR 3.5 billion** allocated for 2014-2020.
- Significant **leveraging investments**. Fill gaps in energy infrastructure and power businesses, schools, homes and hospitals.

