



SUSTAINABLE
ENERGY FOR ALL

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One Goal:

Achieving Sustainable Energy for All by 2030

Three Targets :



ENSURING
universal access
TO MODERN ENERGY
SERVICES.

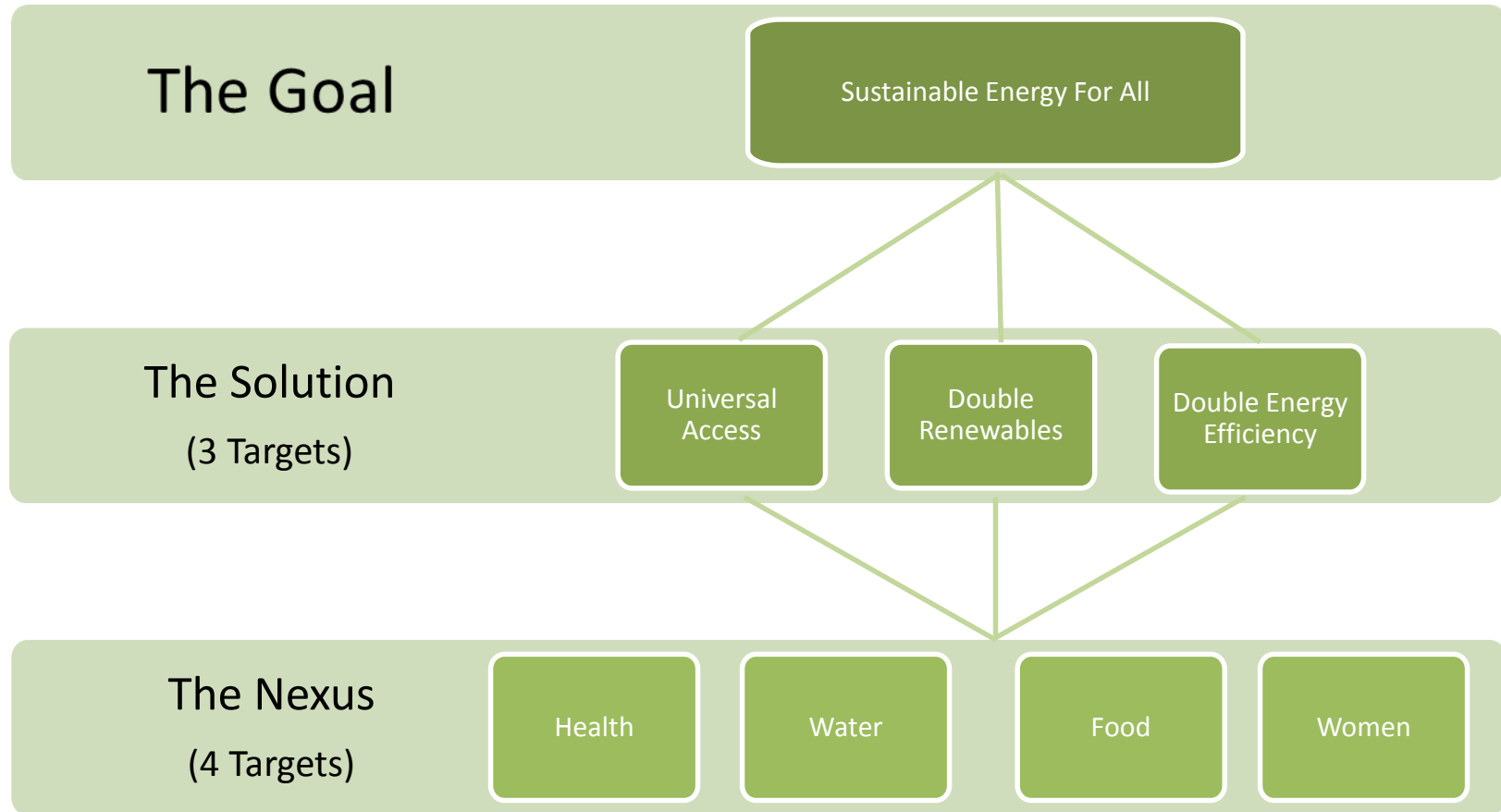


DOUBLING THE GLOBAL
RATE OF IMPROVEMENT IN
energy efficiency.

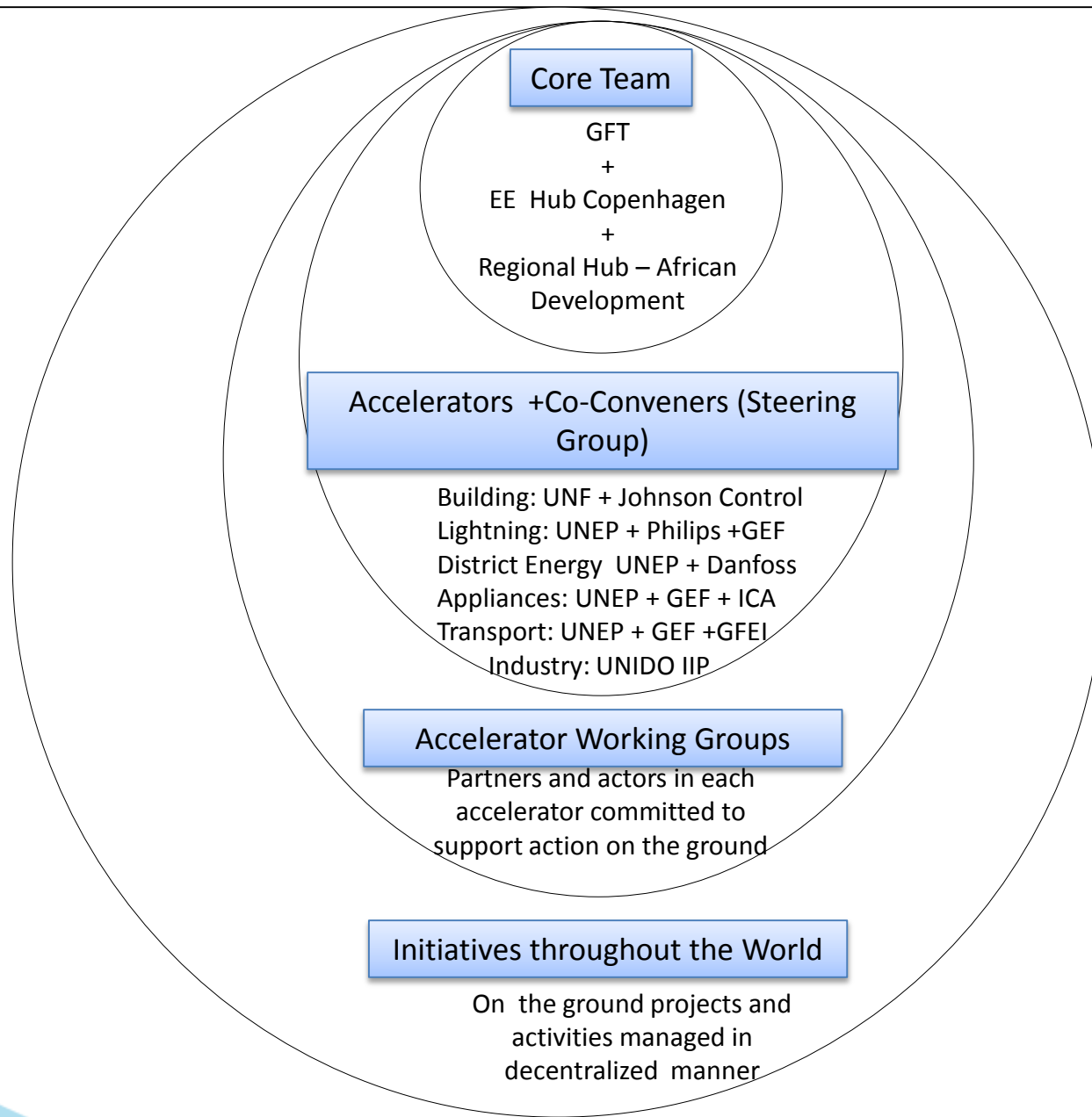


DOUBLING THE SHARE OF
renewable energy
IN THE GLOBAL
ENERGY MIX.

Promoting a broader narrative on energy and integrated analysis on linkages to other sectors



The Energy Efficiency Global Platform



Progress against key targets

Priorities	Key Results	Targets for the initial 3 years (2013-16)	Achievements: October 2015
1. Accelerating Country Action	<p>27 countries are preparing or have finalised Action Agendas</p> <p>16 countries are preparing or have finalised Investment Prospectus(-)es</p> <p>Most regional hubs very active in supporting and reporting on progress</p>	<p>At least 100 countries (including both developing and developed countries) engaged</p> <p>At least 30 action plans at national/local levels</p> <p>All partner countries undertake initial gap analysis and/or bottom-up analyses</p>	<p>106 countries (including 85 developing countries) are in partnership with SE4All</p> <p>Country Action Reference Document (CARD) prepared jointly by key development partners</p> <p>Country action plans in 27 countries in preparation or finalised</p> <p>Gap analysis/rapid assessment carried out in more than 67 countries</p>



SE4All Country Action Process: African Region Status

37 Rapid
Assessments/Gap
Analyses finalized

- Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Cote d'Ivoire, Democratic Republic of Congo, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Malawi, Mali, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Sierra Leone, South Africa, South Sudan, Swaziland, Tanzania, Togo, Zambia, Zimbabwe

24 Action Agendas under
development or finalized

- Angola, Benin, Burkina Faso, Cape Verde, Cote d'Ivoire, DRC, Ethiopia, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Malawi, Mali, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Tanzania, Togo, Uganda, Zimbabwe

16 Investment
Prospectuses under
development or finalized

- Burkina Faso, Burundi, Gambia, Ghana, Guinea, Kenya, Liberia, Mozambique, Senegal, Tanzania



SE4All Country Action in the African Region

- XX Countries in the region are officially **partners and supporters of SE4All** – including all of the countries being represented in Nairobi
- **XX** countries have taken the first step of completing and **Rapid Assessment/Gap Analysis** as baseline for action.
- XX countries are in the process or have completed Action Agendas and Investment Prospectuses designed to mobilize action/investments
- The **SE4All Action Agendas and Investment Prospectuses** will be an important tool for the **implementation of the suggested SDG7**.
- The African Development Bank acts as the Regional Hub of SE4All in the region.
- In African, SE4All works with many partners including the European Commission which is supporting some of the work including on Action Agendas and Investment Prospectuse region and is working in partnership with UNDP, World Bank and others.



SE4All Energy Efficiency Platform

The **Global Energy Efficiency Platform** was established by SE4All to promote the objective of doubling the rate of energy efficiency improvement by 2030.

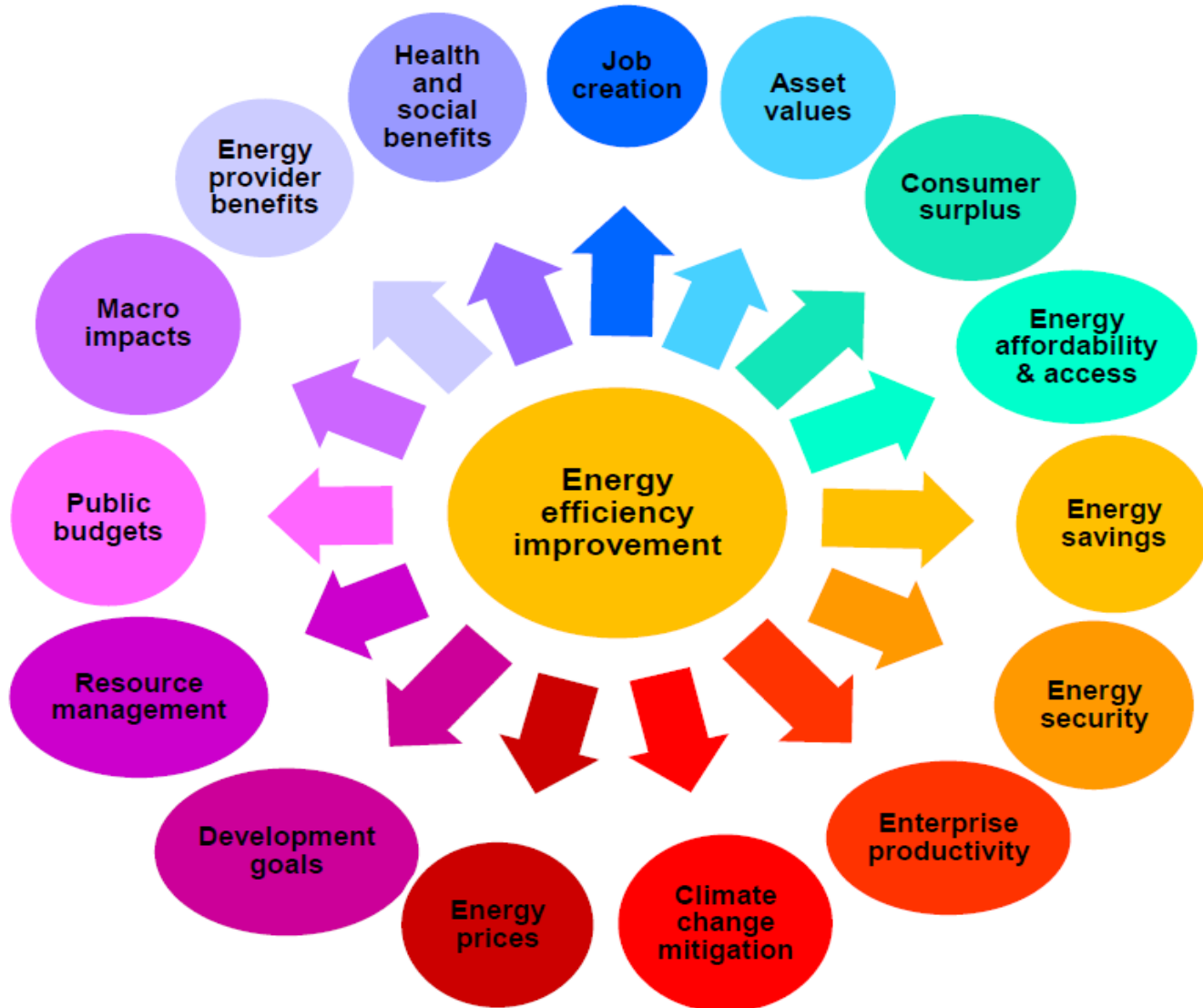
The Platform **drives and supports action and commitments in six key energy intensive sectors – Accelerators** - by national and sub-national leaders at the country, city, state, regional levels.

A key deliverable of the Platform in each jurisdiction where it engages will be an **Action Plan/ Roadmap that describes the priorities, needs and efforts** that will be taken in order to achieve the energy efficiency improvements. **One of the main purposes of this workshop is to identify those jurisdictions interested to engage in the preparation an Energy Efficiency Action Plan/Road Map.**

The Roadmaps will also be used by SE4ALL to **mobilize support from a global network of experts, institutions and businesses** participating in this major global initiative.



Energy Efficiency has many benefits – including strong links to energy access



Source: IEA



... and EE helps address some of the cities' biggest challenges

- Urban Systems – Infrastructures; resource intensive (energy, water, materials and land); Difficult and costly to modify.
- Traffic congestion - Inadequate road & transport infrastructures - cost can be as high as 10% of the city's GDP.
- Typical buildings – non-energy efficient - can account for 40% of a city's total energy use and 30% of GHG emissions.
- Expansion of infrastructures (rapid urbanization; fast economic growth; increased competitiveness, etc.).
- The way a city is planned, designed, operated and maintained will influence its future energy use and emissions (GHG & pollutants).

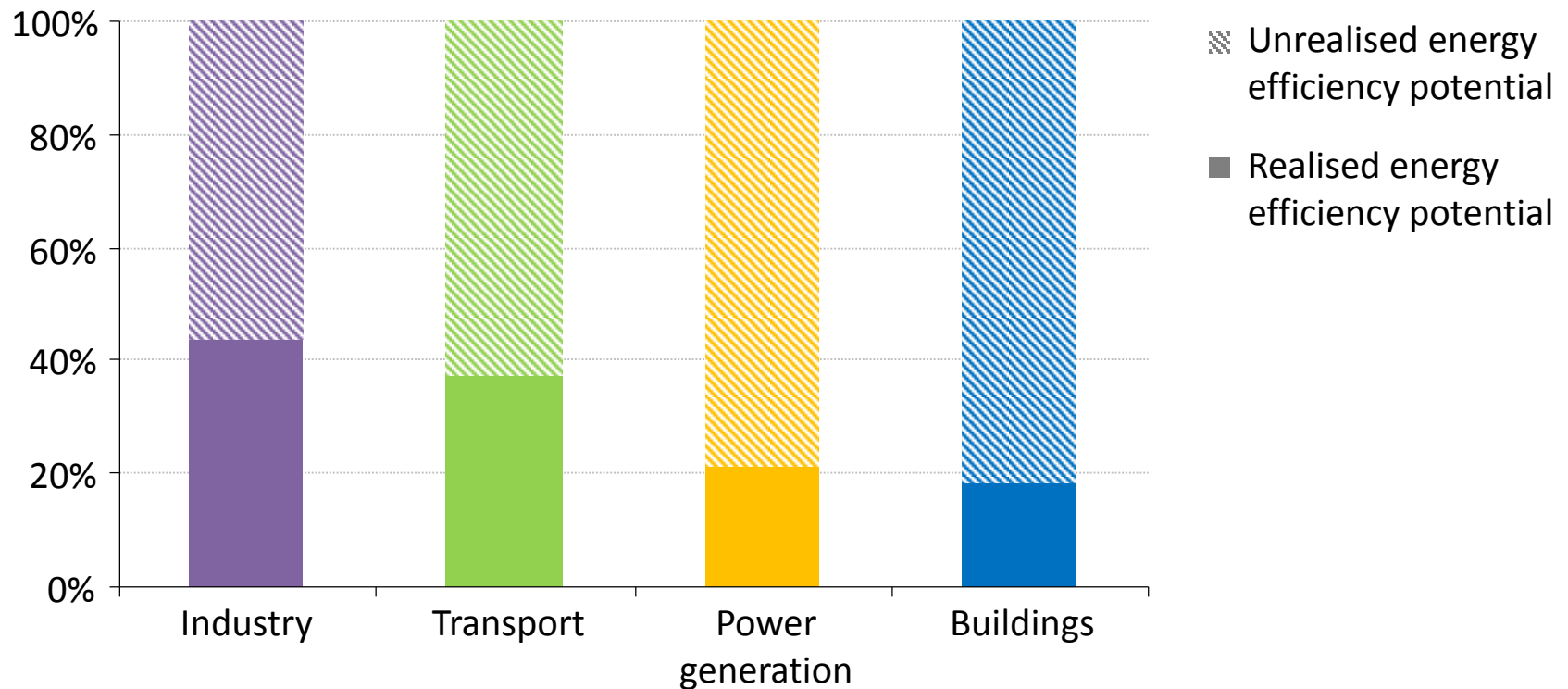


Buildings - a good example

- Best-practices in technology use and design can save up to 90% of buildings energy use.
- Global thermal energy use in buildings can be reduced by approx. 1/3 by 2050, even with the projected growth of buildings.
- If only moderate policy efforts are made, building energy use is expected to almost double by 2050, locking in about 80% of potential energy savings for decades
- Energy policies focused on increasing EE in buildings can promote innovation, generate economic opportunities, support creation of green jobs, reduce maintenance and operation costs over buildings' lifetime, raise the overall standard of living, and improve human well-being, comfort and health



Up to 2/3 of EE Potential Remains Untapped



Energy Efficiency Platform: Partner Network (to date)



Energy Efficiency Accelerator Sectors

The Accelerator Platform was established to support specific sector-based energy efficiency Accelerators

Lighting

Global market transformation to efficient lighting



Appliances & Equipment

Global market transformation to efficient appliances & equipment



Vehicle Fuel Efficiency

Improve the fuel economy capacity of the global car fleet



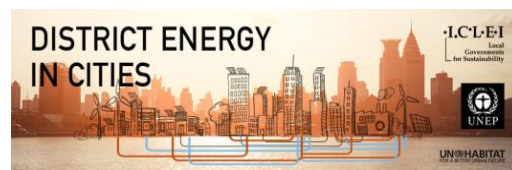
Buildings

Promote sustainable building policies & practices worldwide



District Energy

Support national & municipal governments to develop or scale-up district energy systems



Industry

Implementing Energy Management Systems, technologies & practices



Power Sector Accelerator is under development



Principles

Outline Elements

Tools Available



Principle I – Complementarity

SE4All Energy Efficiency work is embedded in overall SE4All Country Action Work and it aims at complementing and building on:

- Existing strategies, plans and activities at national and sub-national levels
- Existing work and support by international development cooperation and financial institutions
- Existing work by business and other non-governmental sectors of society

Principle II – Ambition

SE4All Energy Efficiency work is encouraging jurisdictions throughout the world to raise the EE ambition

- aiming at the development of **Action Plans and Roadmaps**
- in line with the overall SE4All objective of **doubling the global rate of improvement in energy efficiency**
- **accelerating action of their individual energy efficiency target**
- the **SE4All Global Energy Efficiency Accelerator Platform** was launched to assist in that endeavor
- In Sub-Saharan Africa, SE4All has teamed up with **Covenant of Mayors**



Principle III – Compatibility

In supporting jurisdictions in their EE efforts, SE4All and its partners will **take into account what has already been done and will build on that** guided by following considerations:

- compatible: Fully in line with national needs and priorities (bottom-up effort)
- realism: the envisioned work is implementable in the medium and long-term (**with a focus on 2016-2020** but with an eye to 2030)
- implementation focused: it aims at significant and verifiable results on the ground
- Investment focused: it aims at supporting mobilization on investments in key priority areas for each jurisdiction

❖ Tools available

- **There are many tools available and many are complementary (e.g. Covenant of Mayors, TRACE of ESMAP, sector-specific tools of SE4All EE Platform Accelerators)**
- **Each jurisdiction chooses the tools that it prefers**
- **Several of these tools and approaches will be discussed at this workshop**



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THANK YOU!