



Building Efficiency Accelerator



GLOBAL ENERGY EFFICIENCY ACCELERATOR PLATFORM

Introduction to the Building Efficiency Accelerator

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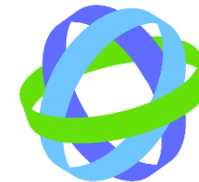
Lead Point of the Retrofit Work Group of BEA - TECNALIA



SUSTAINABLE
ENERGY FOR ALL



WORLD
RESOURCES
INSTITUTE



WORLD
GREEN
BUILDING
COUNCIL

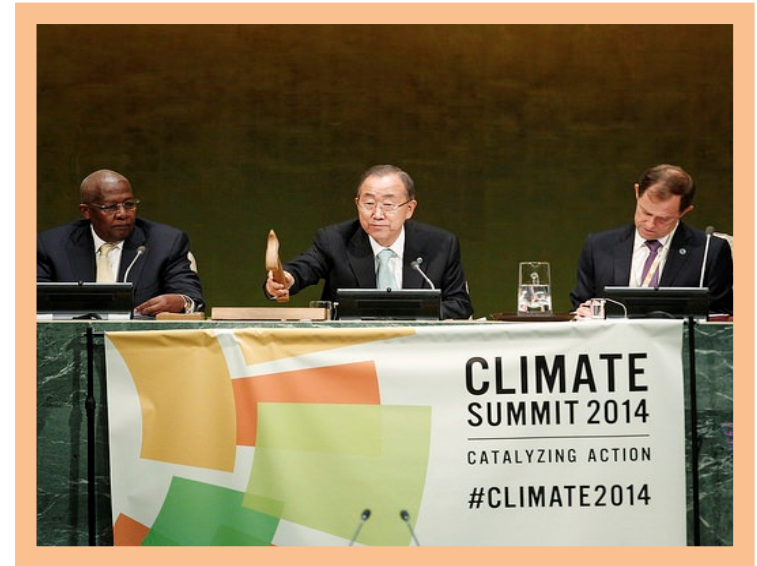


UN Sustainable Energy for All

One Goal:

Achieving
Sustainable Energy
for All by 2030

Three Objectives:



 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.

Energy Efficiency Accelerators

The Global Energy Efficiency 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



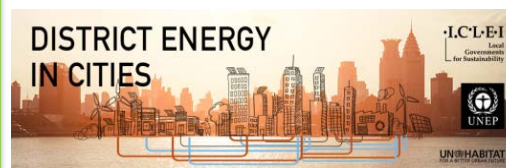
Buildings

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

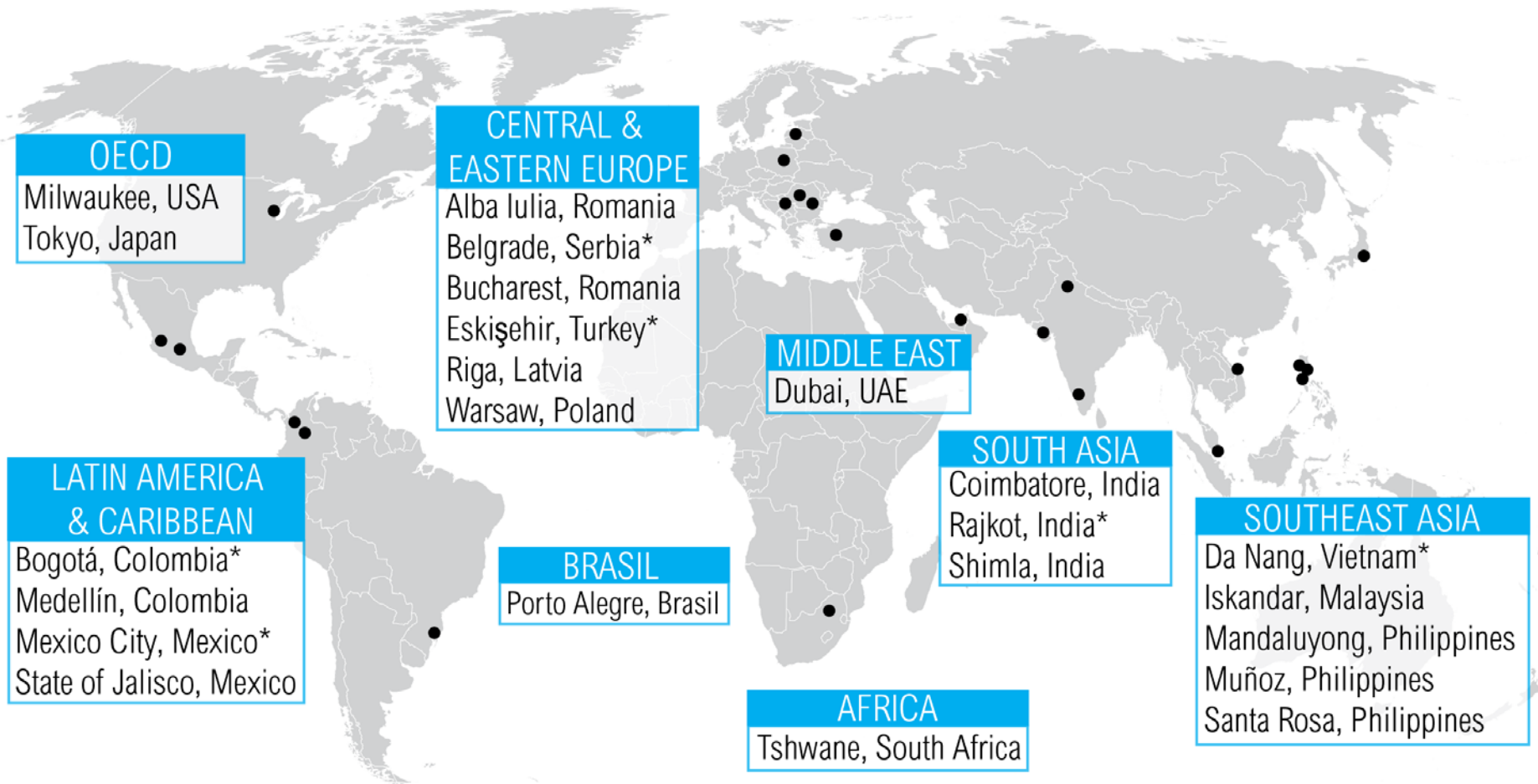
Building Efficiency Accelerator (BEA) partnership

Subnational Jurisdictions:



CITY OF WARSAW

BEA Partner Jurisdictions



*City selected for "Deep Dive" engagement

Building Efficiency Accelerator (BEA) partnership

Coordinating partner:



WORLD
RESOURCES
INSTITUTE

WRI ROSS CENTER FOR
SUSTAINABLE
CITIES

NGOs/Associations/Multilaterals:



World Business Council for
Sustainable Development



Service Providers/Companies:



Why is building efficiency important?

Large impact:

- Buildings consume **one third of energy demand** and account for about **one quarter of GHG emissions** globally

Large potential:

- Global building energy demand **can be reduced by one third by 2050**, with best practices

Long-lasting implications:

- Buildings **last for 40-100 years or more**. Poor choices today can **lock-in** high costs, carbon emissions, and poor urban services

Multiple benefits:

Economic

Construction represents 16% of GDP

Each \$1 spent on EE avoids more than \$2 in energy supply spending

Social

Energy access

Reliability

Energy security

Public health & productivity

Job creation

Environmental

GHG emissions reduction

Sustainable building materials

Water conservation

Climate resilience

Acceleration of building efficiency policy efforts

Partnerships and commitments enable implementation of ambitious projects and policy packages to **address barriers, bridge efficiency gap, and avoid lock-in** of inefficient buildings.



What are cities signing up to do?

Overarching commitment:

double the rate of building energy efficiency by 2030 in targeted sector within the jurisdiction

Implement one enabling **policy**

Policy

Implement one demonstration **project**

Project

Create a baseline, **track and report** annual progress, and **share experiences** with other governments

Tracking & communication

What does the BEA provide?

**Local action
prioritization process**



Collaborative, multi-stakeholder assessments and workshops to define and prioritize policies and projects

**Tools, expertise and
solutions**



Technical support through trainings, tools. Access to network of subject matter experts and service providers.

Funding opportunities



Connect projects in need to financial partners who can provide funding to efficiency actions

**International
recognition and
collaboration**



Recognition of efficiency actions at international events. Knowledge sharing through a global network of peers.