



**Building Efficiency  
Accelerator**



**GLOBAL ENERGY EFFICIENCY  
ACCELERATOR PLATFORM**

# Introduction to the Building Efficiency Accelerator

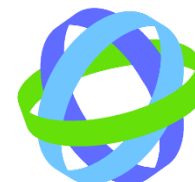
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*Lead Point of the Retrofit Work Group of BEA - TECNALIA*



**WORLD  
RESOURCES  
INSTITUTE**



**WORLD  
GREEN  
BUILDING  
COUNCIL**



# UN Sustainable Energy for All

One Goal:

Achieving  
Sustainable Energy  
for All by 2030

Three Objectives:



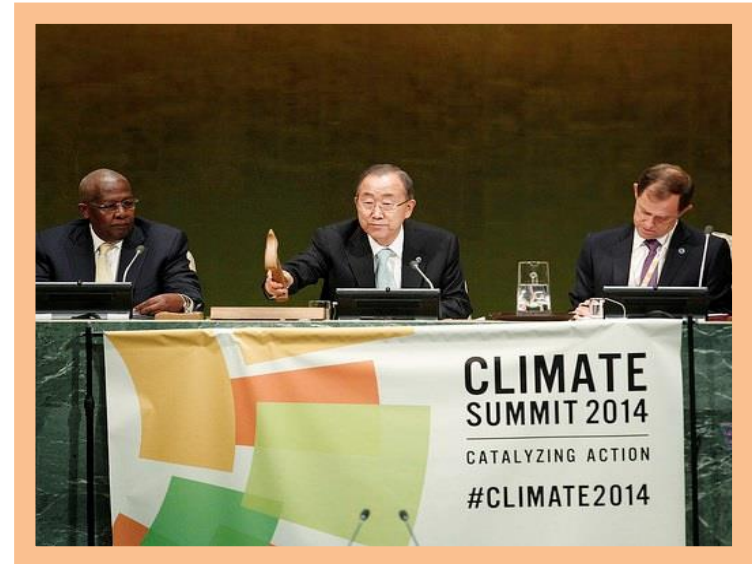
ENSURING  
*universal access*  
TO MODERN ENERGY  
SERVICES.



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



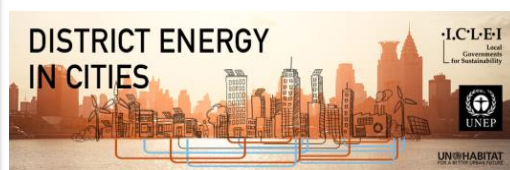
## Buildings

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

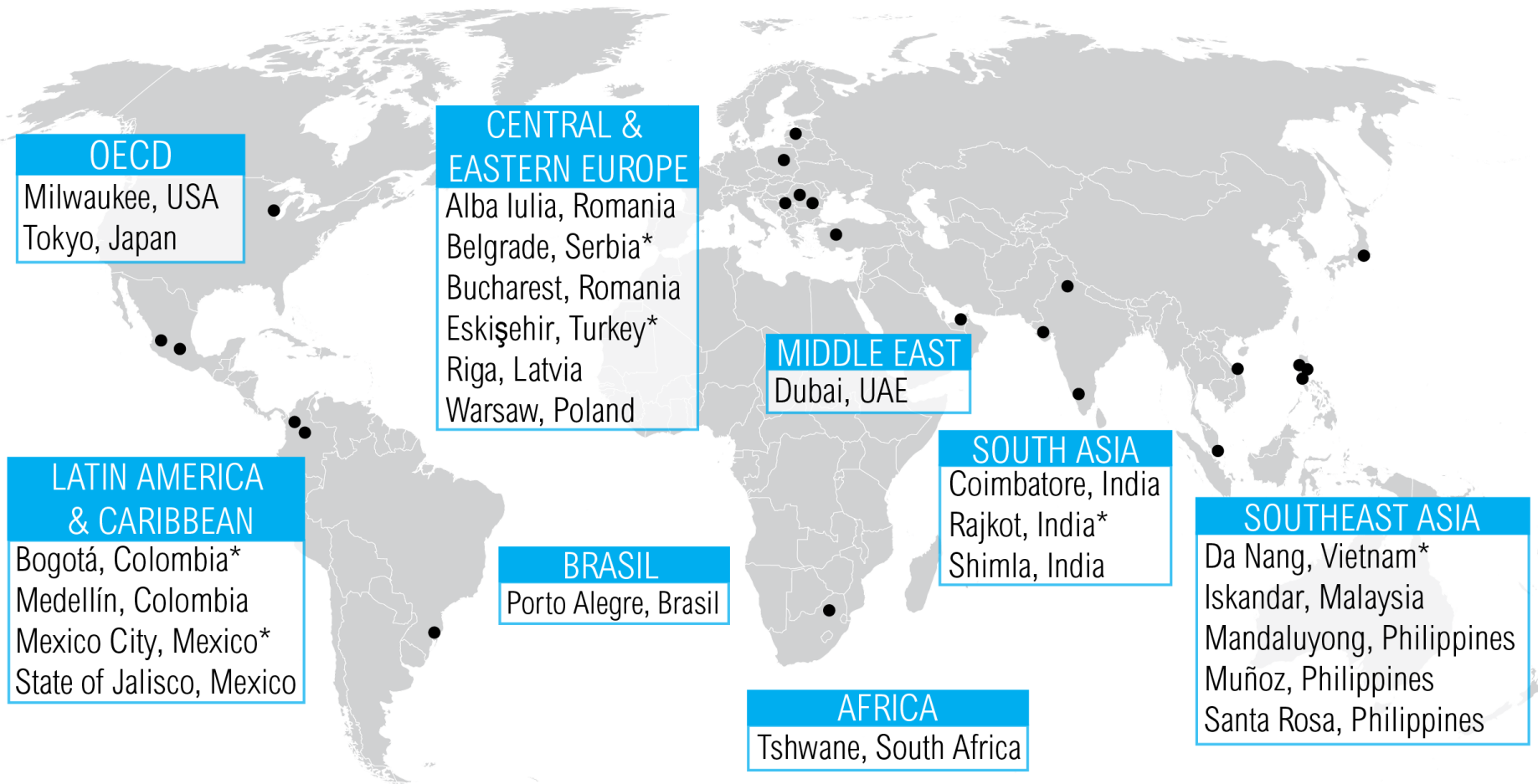
# Building Efficiency Accelerator (BEA) partnership

## Subnational Jurisdictions:





# 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



International  
Finance Corporation  
WORLD BANK GROUP



PIONEERED BY THE  
ROCKEFELLER FOUNDATION



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

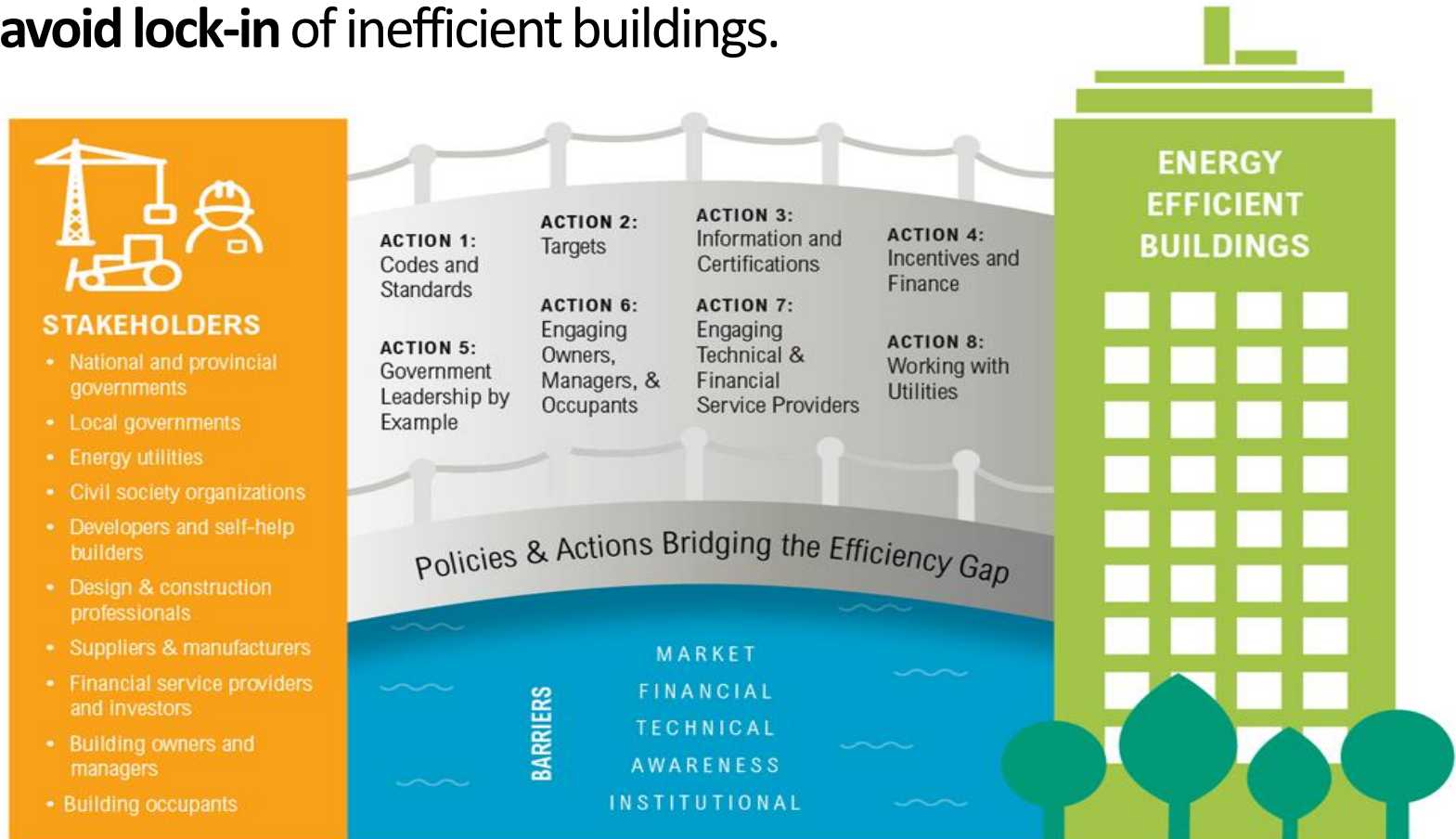
Sustainable building materials

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.

## Today's webinar:

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### Creation of energy-efficient Buildings Renovation Action Plans for cities: guideline and application cases

- A methodology for elaboration of **national roadmaps for energy-efficient buildings renovation** where the most relevant stakeholders, barriers and potentials are identified.
- A **guideline for cities for creation of buildings renovation action plans** adjusted to their needs and constraints, which will work as a tool for the cities governments and policy makers.
- Action Plan of the City of **Rotterdam** (Netherlands).
- Energy Effic. & Urban Regeneration Experiences in **Vitoria-Gasteiz** (Spain).

# Today's webinar:

## Steps forward at different scales

