



**Building Efficiency  
Accelerator**



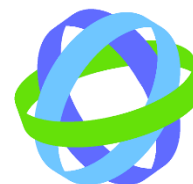
**GLOBAL ENERGY EFFICIENCY  
ACCELERATOR PLATFORM**

# Introduction to the Building Efficiency Accelerator

*September 2017*



**WORLD  
RESOURCES  
INSTITUTE**



**WORLD  
GREEN  
BUILDING  
COUNCIL**



## 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



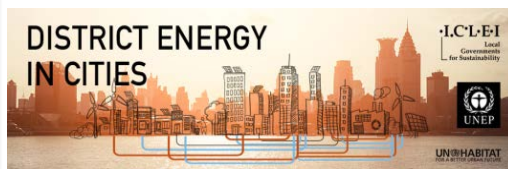
## Buildings

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



# 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**.
- In emerging economies **investment potential is US\$ 16 trillion**

## 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

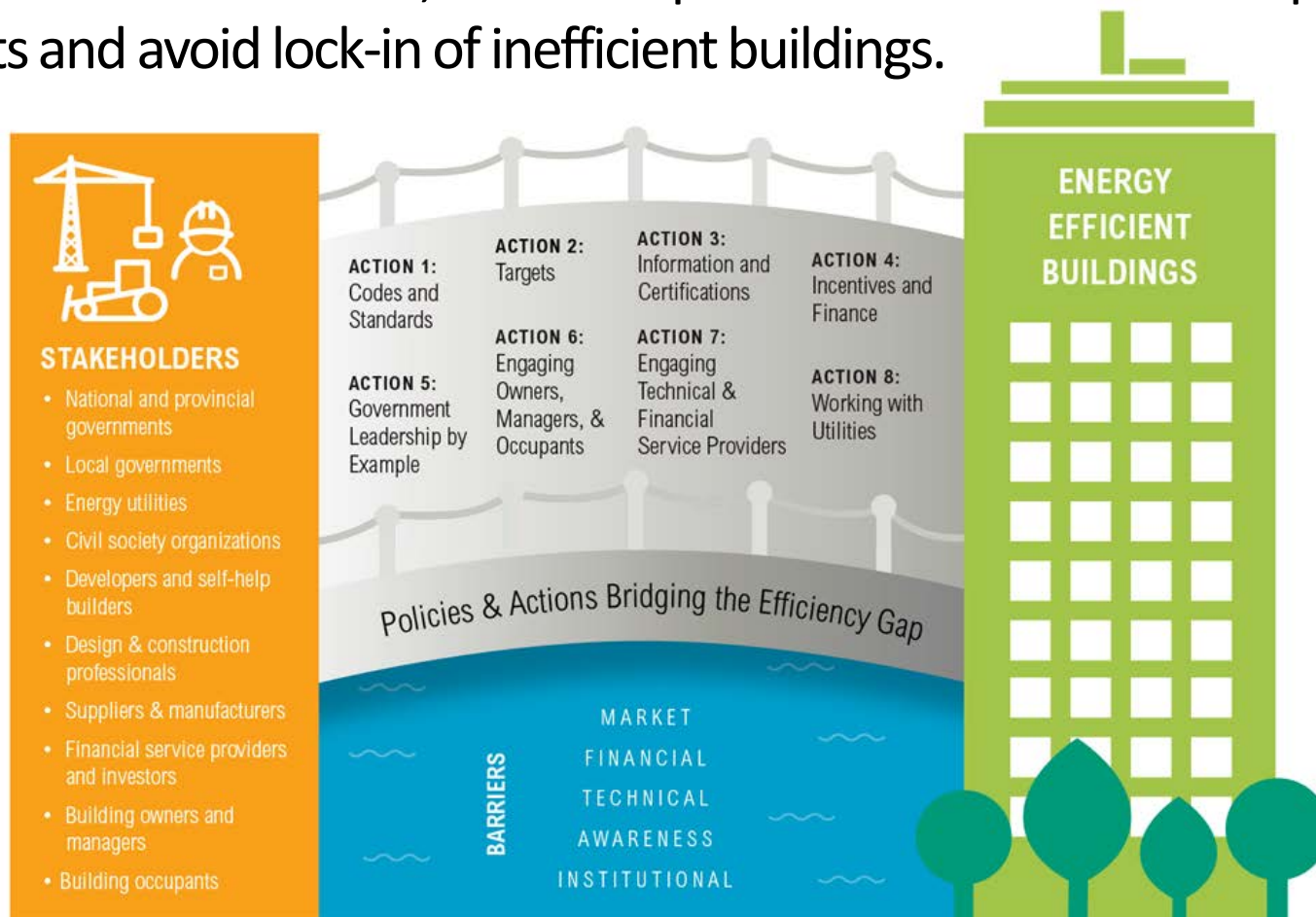
Water conservation

Climate resilience



# Acceleration of building efficiency policy efforts

New partnerships, built around public-private collaboration, address barriers to action, enable implementation of ambitious policies and projects and avoid lock-in of inefficient buildings.





# Building Efficiency Accelerator (BEA) Global Partners

Coordinating partner:



WORLD  
RESOURCES  
INSTITUTE

WRI ROSS CENTER FOR  
SUSTAINABLE  
CITIES

NGOs/Associations/Multilaterals:



WORLD  
GREEN  
BUILDING  
COUNCIL



World Business Council for  
Sustainable Development



International  
Energy Agency



International  
Finance Corporation  
WORLD BANK GROUP



PIONEERED BY THE  
ROCKEFELLER FOUNDATION



Service Providers/Companies:

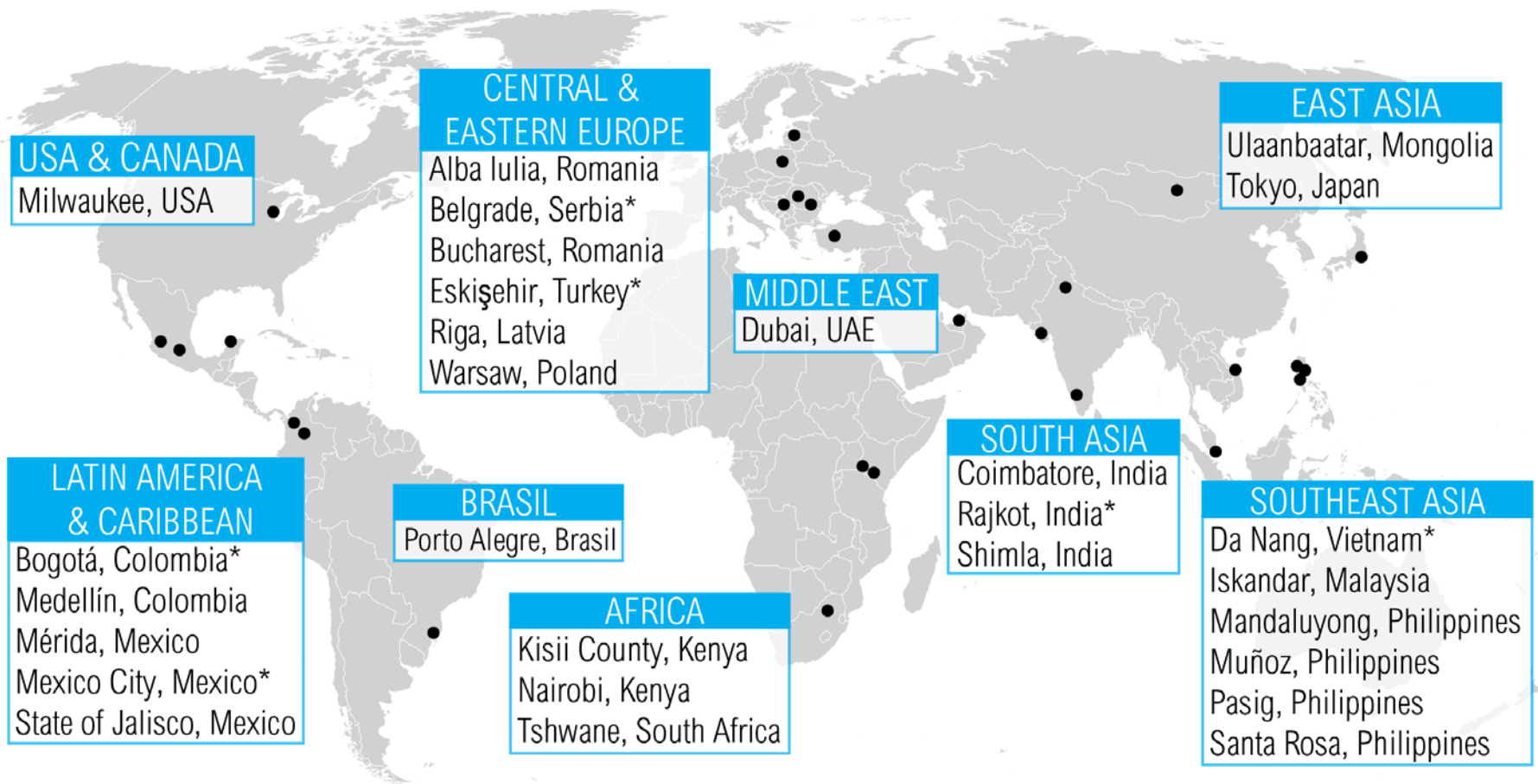


# Building Efficiency Accelerator Cities & States





# BEA Partner Jurisdictions



\*City selected for "Deep Dive" engagement



# 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 or more pilot **project**

**Project**

Track and report 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.

# Topics of BEA support to jurisdictions

## POLICY & PROGRAM MECHANISMS

### 1. CODES & STANDARDS

- Building energy codes and product standards establish minimum requirements for energy performance.

### 2. TARGETS

- Targets to align interests and spur action to improve efficiency in the building sector.

### 3. PERFORMANCE INFO & CERTIFICATIONS

- Data, baselines, disclosure and certifications for market differentiation of building performance or attributes.

### 4. INCENTIVES & FINANCE

- Programs and incentives to provide funding to building efficiency improvements.

### 5. GOVERNMENT LEADERSHIP BY EXAMPLE

- Programs to support government efficiency, including public building retrofits and innovative procurement.

### 6. BUILDING OWNER & OCCUPANT ACTIONS

- Building design, construction, operations, occupant behavior.

### 7. TECHNICAL & FINANCIAL SERVICES

- Market development and skilled workforce for private providers of building construction, services & equipment

### 8. WORKING WITH UTILITIES

- Planning and programs by utility companies for energy efficiency improvement.

## STAKEHOLDER STRATEGIES





## Next Steps

**We welcome new business, NGO, and government partners!**

**For more information or to join as a partner, contact:**

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[BuildingEfficiencyAccelerator.org](http://BuildingEfficiencyAccelerator.org)