



WORLD
RESOURCES
INSTITUTE

PLANNING & POLICY FOR URBAN EMISSIONS REDUCTION

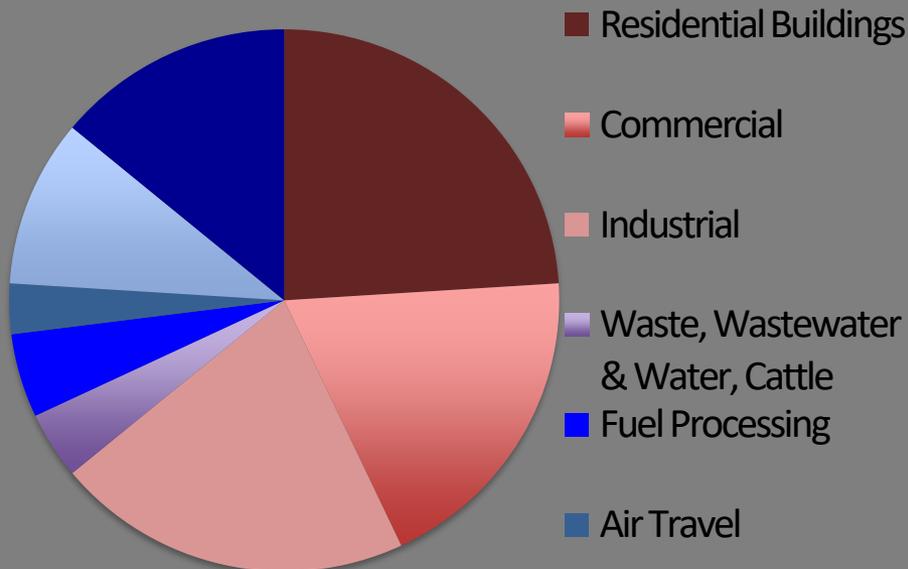
GLOBAL PLATFORM ON SUSTAINABLE CITIES - 2017

JESSICA SEDDON & ERIC MACKRES, WRI ROSS CENTER FOR SUSTAINABLE CITIES, WORLD RESOURCES INSTITUTE (WRI)

Photo : Andrew Stokols

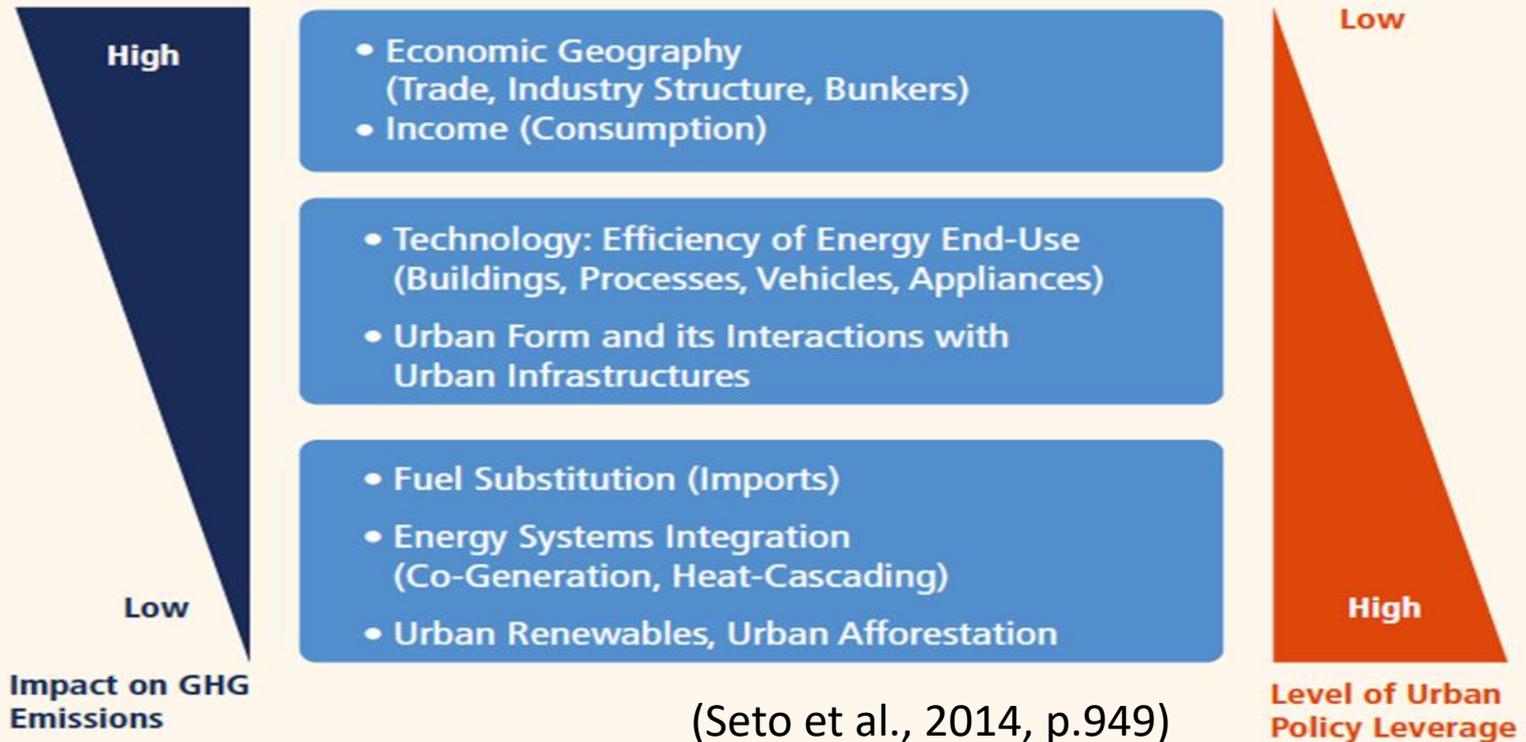


CHALLENGE I: “Urban” Emissions are only part of the picture.



Delhi: Territorial and Transboundary (Blue) Emissions
Chavez, et al (2012)

CHALLENGE II: City Actions are only part of the picture.



CHALLENGE III: Policy & Planning are one of many dynamics shaping cities

**Three
Challenges**

**Three
Forces**

Sovereign Authority:

Rule of law, uniquely legitimate enforcement power, statement of public and social compact - but depends on effective state to affect ground realities.

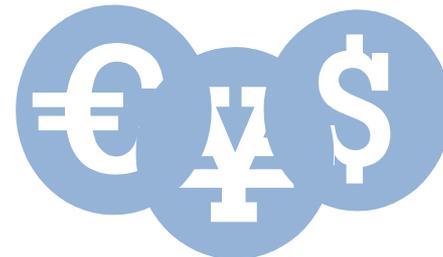
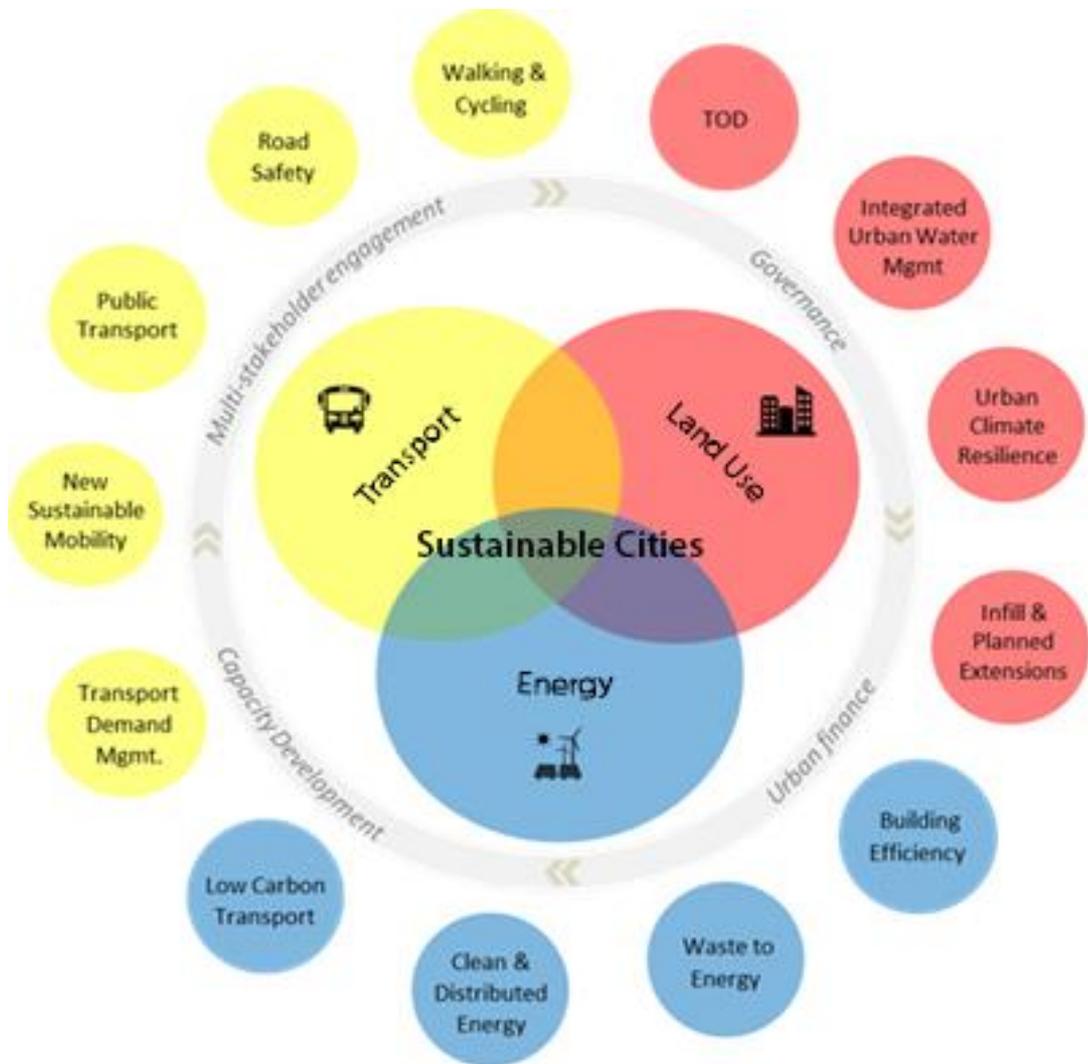
Markets:

Decentralized, dynamic, flexible, innovative strategies to produce outcomes – as long as they can be measured and converted to financial terms.

Community Action:

Invokes altruism, generosity, resilience, companionship – but can also be exclusionary, oppressive, and particularistic.

WRI'S ENGAGEMENT MODEL WITH CITIES: SOLUTIONS AS ENTRY POINTS, CROSS-SECTOR COALITIONS FOR SUSTAINED IMPACT





**Building Efficiency
Accelerator**



**GLOBAL ENERGY EFFICIENCY
ACCELERATOR PLATFORM**

City Partnerships Accelerating Action on Sustainable Buildings

Eric Mackres, Manager, Building Efficiency - WRI Ross Center for Sustainable Cities



WORLD
RESOURCES
INSTITUTE



WORLD
GREEN
BUILDING
COUNCIL



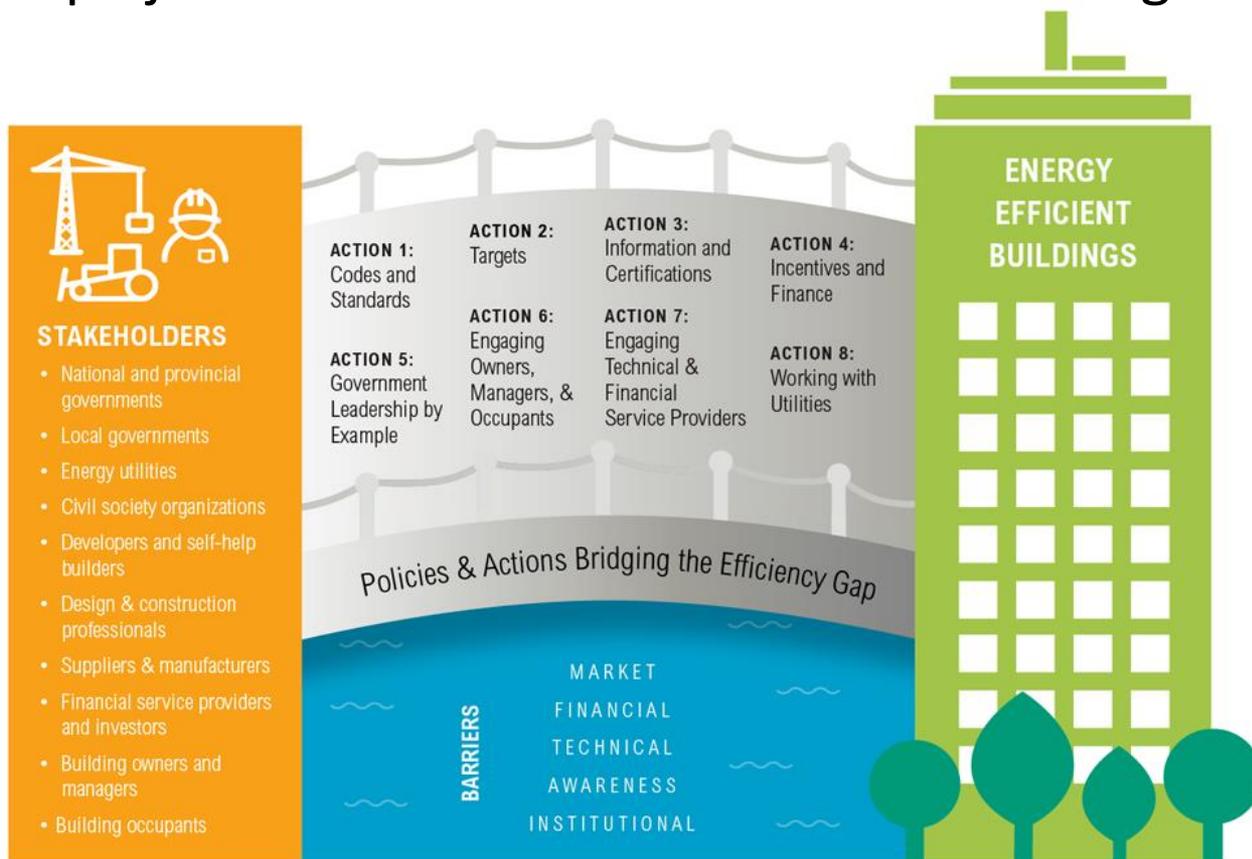
Various urban leaders influence action at points in the building lifecycle



NEW BUILDINGS			EXISTING BUILDINGS				Demolition & Deconstruction
Land Use/ Planning	Design	Construction	Sale or Lease	Tenant Build-Out	Operations & Maintenance	Retrofit	
Local governments	Design & construction professionals	Design & construction professionals	Buildings owners and managers	Buildings owners and managers	Buildings owners and managers	Buildings owners and managers	Design & construction professionals
Developers and self-help builders	National and provincial governments Local governments	Building investors Suppliers & manufacturers	Developers and self-help builders Building occupants	Building occupants Design & construction professionals	Energy utilities Building occupants	Building investors Building occupants Design & construction professionals	Buildings owners and managers

Acceleration of building efficiency actions

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



Source: World Resources Institute (2016)



**Building
Efficiency
Accelerator**

BEA Partner Jurisdictions

USA & CANADA

Milwaukee, USA

CENTRAL & EASTERN EUROPE

Alba Iulia, Romania
Belgrade, Serbia*
Bucharest, Romania
Eskişehir, Turkey*
Riga, Latvia
Warsaw, Poland

EAST ASIA

Ulaanbaatar, Mongolia
Tokyo, Japan

MIDDLE EAST

Dubai, UAE

LATIN AMERICA & CARIBBEAN

Bogotá, Colombia*
Medellín, Colombia
Mérida, Mexico
Mexico City, Mexico*
State of Jalisco, Mexico

BRASIL

Porto Alegre, Brasil

SOUTH ASIA

Coimbatore, India
Rajkot, India*
Shimla, India

SOUTHEAST ASIA

Da Nang, Vietnam*
Iskandar, Malaysia
Mandaluyong, Philippines
Muñoz, Philippines
Pasig, Philippines
Santa Rosa, Philippines

AFRICA

Kisii County, Kenya
KwaDukuza, South Africa
Nairobi, Kenya
Tshwane, South Africa

*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 cities

Tracking & communication



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



100 RESILIENT CITIES



Service Providers/Companies:



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.



**Building
Efficiency
Accelerator**

Case Study: Mexico City

- **Sept. 2014:** Commitment from Mexico City gov't to:
 - (1) Implement building energy code;
 - (2) Retrofit public buildings
- **March 2015:** Launch workshop for common vision
 - 100 multi-stakeholder participants: city government, federal government, businesses, finance, civil society and consulting
- **2016-2017:** Action plan underway via Mexico City staff and local partner leadership, managed by WRI Mexico
 - **Oct. 2015:** Recommendations delivered on action by government and stakeholders, following workshops
 - **Dec. 2015:** Actions announced at COP 21
 - **June 2016:** Energy code adopted
 - **Dec 2016:** 4 public building audits complete
 - **April 2017:** Announce target to retrofit 30% of public bldgs
 - **Phase 2 ongoing:** code implementation capacity building, retrofitting, additional public buildings audits



Tanya Müller García, Secretary of the Environment, discussing Mexico City's leadership actions



Mayor Mancera at COP21 Buildings Day



**WORLD
RESOURCES
INSTITUTE**



Ripples of action - BEA as an implementation intermediary between global and local partnerships

