



SUSTAINABLE
ENERGY FOR ALL



GLOBAL ENERGY EFFICIENCY
ACCELERATOR PLATFORM

Overview of tools for tracking building energy efficiency implementation

Nate Aden
June 2, 2016



WORLD
RESOURCES
INSTITUTE

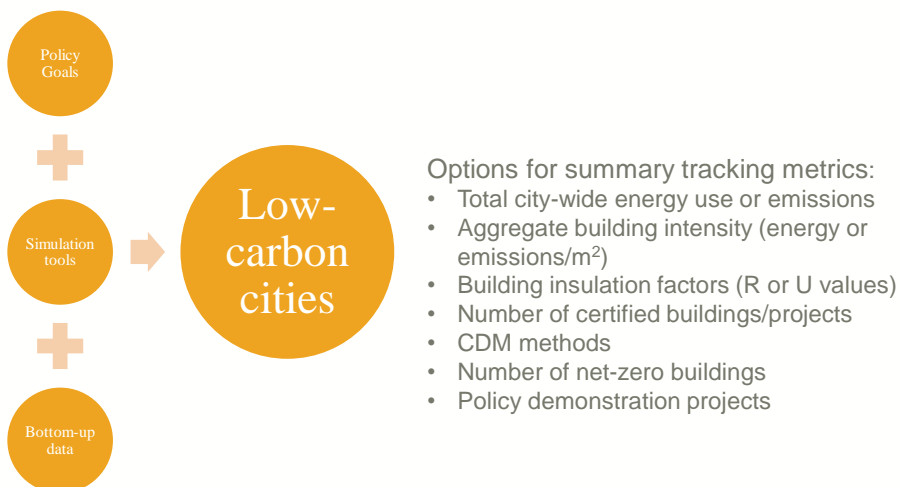


International
Energy Agency



COPENHAGEN CENTRE
ON ENERGY EFFICIENCY
SE4ALL EE HUB

The Opportunity: tools to link new data, technology, and policy goals



Mapping Building Energy Efficiency Tools

Name of the tool	Approach		Scope		Stage of the policy development cycle					City focus	
	Passive	Interactive	Project	Policy	Scoping	Identification	Design	Implementation	Tracking	Targeting	Supporting
Diving Transformation Report (DTR)	x			x	x			x			
IPCC AR4 Chapter 8	x			x	x			x			x
Green Resources & Energy Analysis Tool (GRAT)		x		x	x				x	x	x
Common Carbon Metrics (CCM)		x		x	x						
Tool for Rapid Assessment of City Energy (TRACK)		x		x	x				x	x	x
IEA EE Governance Handbook	x			x				x			x
ENERGYSTAR Energy Treasure Hunt Guide	x		x					x			x
Remodeling and Energy Saver Tool for Low Carbon Cities (RESE)		x		x					x	x	x
Building Efficiency Policy Assessment Tool		x		x							
Handbook of Sustainable Building Policies	x			x				x			x
Solutions pathway	x			x							
Co-Benefits Risk Assessment (COBRA)		x		x					x	x	
BREE Policy Guide	x			x							x
Building Energy Efficiency Policies (BEEP)	x			x							x
Policy Tool for New Buildings		x		x							x
Policy Tool for Renovation		x		x							x
The Co-benefits Evaluation Tool for the Urban Energy System		x		x					x	x	
IPCC AR4 Chapter 9				x							
Building Energy Optimization (BEOpt)	x		x						x	x	x
Commercial Building Analysis Tool for Energy Efficiency Retrofits (COMBAT)		x		x					x	x	x
Excellence in Design for Greater Efficiencies (EDGE)		x		x					x	x	x
Building Upgrade Value Calculator		x		x							x
Energy Model Input Translator (EMIT)		x		x							x
EnergyPlus and eQUEST		x		x							x
BESTScreen		x		x							x
IPCEE City EE Scorecard	x			x						x	x
ClearPath		x								x	
Energy Forecasting Framework and Emissions Consensus Tool (EFFECT)		x		x							x
ENERGYSTAR Portfolio Manager		x		x							x
Global Protocol for Community-Scale GHG Emissions (GPC)	x			x						x	x
IEA indicators	x			x							x
Local Energy Efficiency Policy Calculator (LEEP-C)		x		x							x

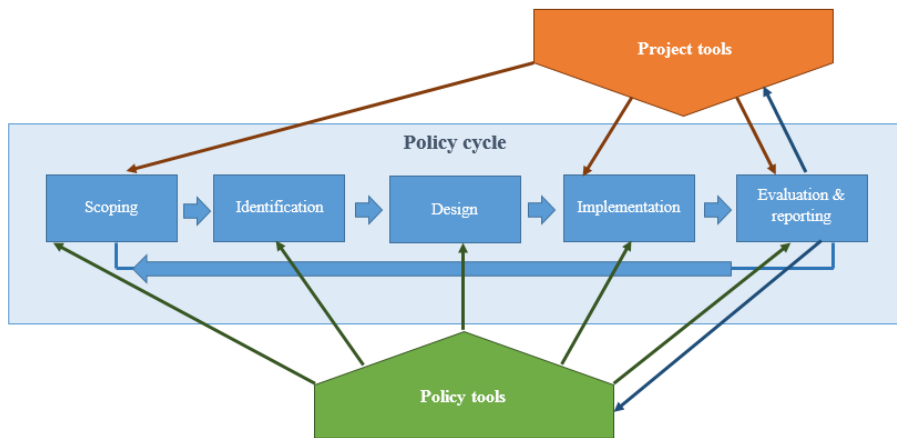
Aim:
Analyze publicly available tools and sources on energy efficiency in buildings to assist local policy-makers in accelerating energy efficiency

Results of the analysis are being presented in ongoing publications

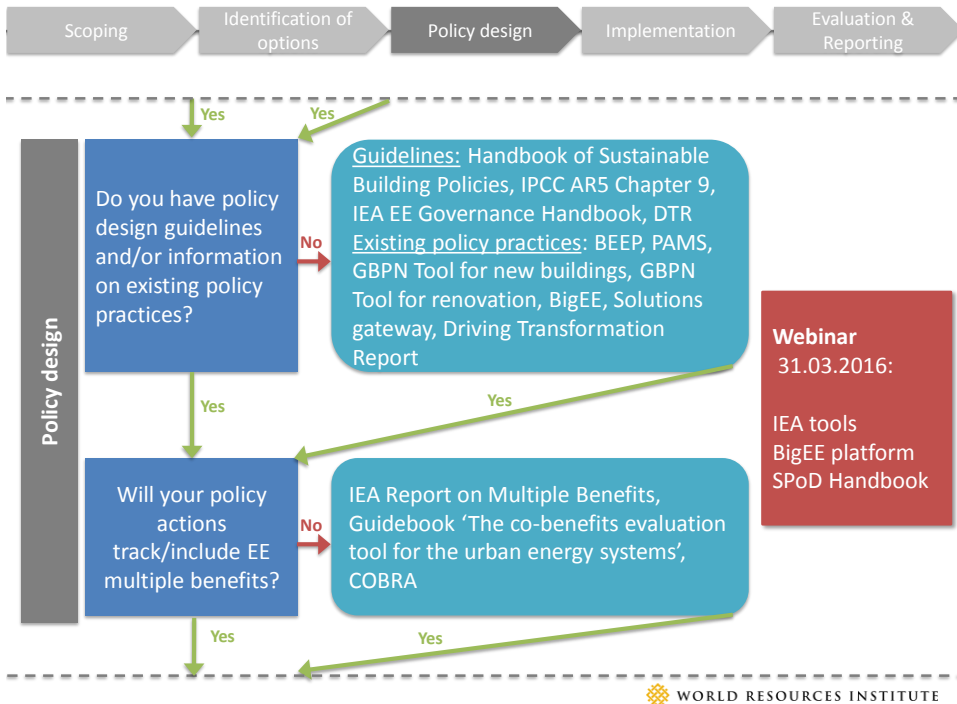
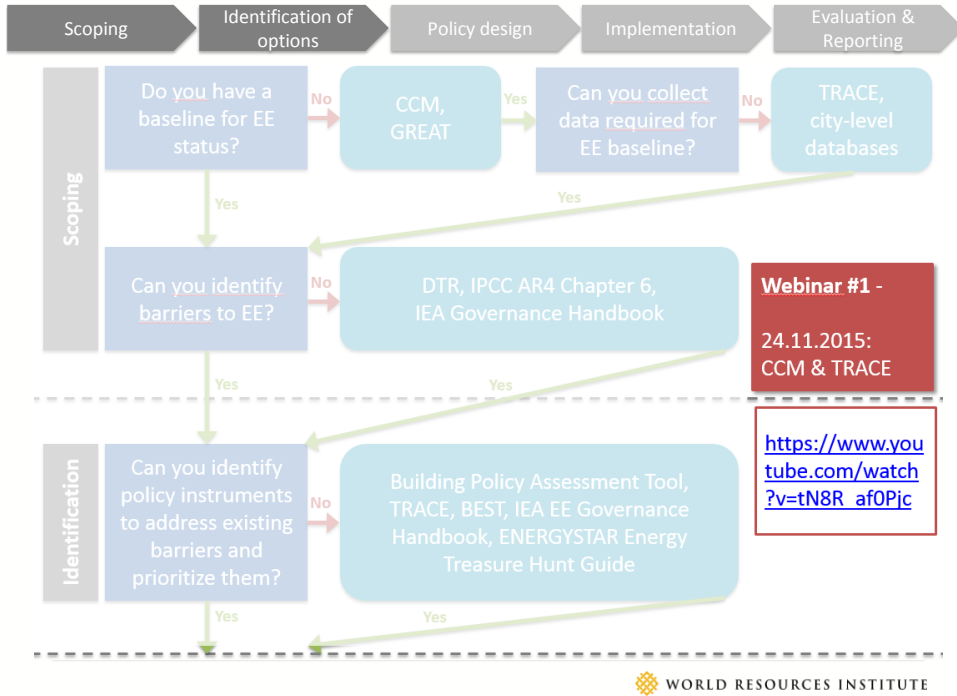


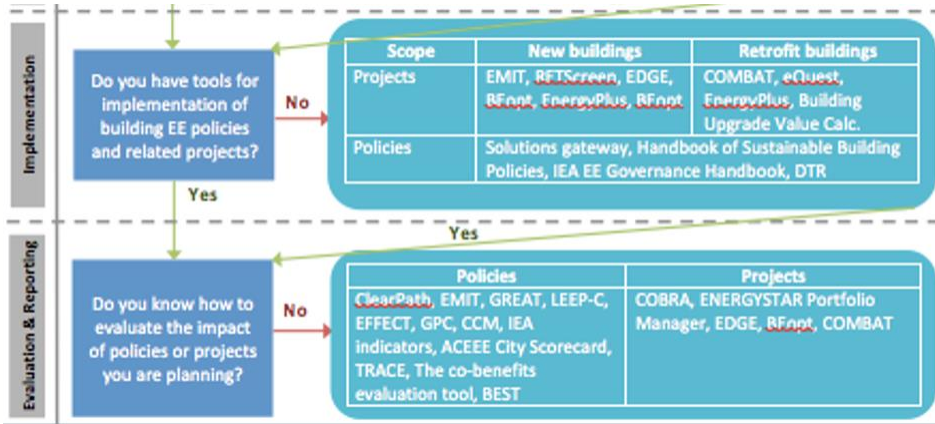
WORLD RESOURCES INSTITUTE

Project and policy-level tools inform 5 stages of cities' policy cycles



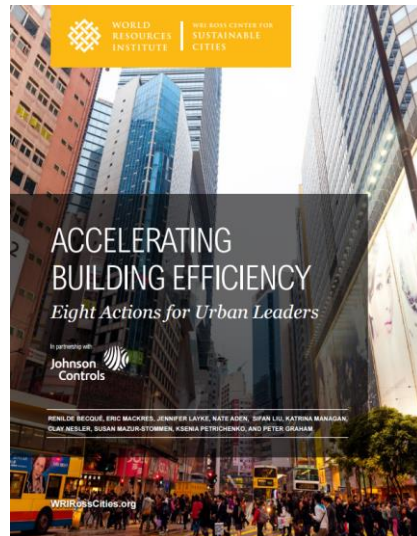
WORLD RESOURCES INSTITUTE





WORLD RESOURCES INSTITUTE

Additional information is available in our recent report



WORLD RESOURCES INSTITUTE



Thanks!

Nate Aden

naden@wri.org