





SUSTAINABLE
ENERGY FOR ALL



GLOBAL ENERGY EFFICIENCY
ACCELERATOR PLATFORM

Overview of tools for energy efficiency in buildings

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WORLD
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International
Energy Agency



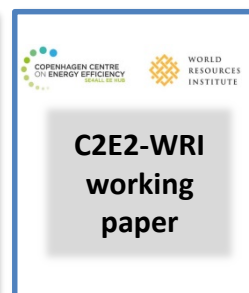
C2E2 - WRI work on tools mapping

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
Driving Transformation Report (DTR)	x			x	x		x	x			
IPCC AR4 Chapter 6	x			x	x		x				x
Green Resources & Energy Analysis Tool (GREAT)		x		x	x				x	x	
Common Carbon Metric (CCM)		x		x	x						x
Tool for Rapid Assessment of City Energy (TRACE)		x		x	x	x			x	x	
IEA EE Governance Handbook	x			x		x	x	x			x
ENERGYSTAR Energy Treasure Hunt Guide	x		x			x	x				x
Benchmarking and Energy Saving Tool for Low Carbon Cities (BEST)		x		x		x			x	x	
Building Efficiency Policy Assessment Tool		x		x		x					x
Handbook of Sustainable Building Policies	x			x							
Solutions gateway	x			x			x	x			x
Co-Benefits Risk Assessment (COBRA)		x		x			x	x	x	x	
BigEE Policy Guide	x			x			x				x
Building Energy Efficiency Policies (BEEP)	x			x			x				x
Policy Tool for New Buildings		x		x			x				x
Policy Tool for Renovation		x		x			x				x
The Co-benefits Evaluation Tool for the Urban Energy System		x		x			x		x	x	
IPCC AR5 Chapter 9	x			x			x				x
Building Energy Optimization (BEopt)		x	x					x	x		x
Commercial Building Analysis Tool for Energy-Efficiency Retrofit (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			x
Energy Model Input Translator (EMIT)		x	x					x			x
EnergyPlus and eQUEST		x	x					x			x
RETScreen		x	x					x			x
ACEEE City EE Scorecard	x			x					x	x	
ClearPath		x		x					x	x	
Energy Forecasting Framework and Emissions Consensus Tool (EFFECT)		x		x					x		x
ENERGYSTAR Portfolio Manager		x	x						x		x
Global Protocol for Community-Scale GHG Emissions (GPC)	x			x					x	x	
IEA Indicators	x			x					x		x
Local Energy Efficiency Policy Calculator (LEEP-C)		x		x					x	x	

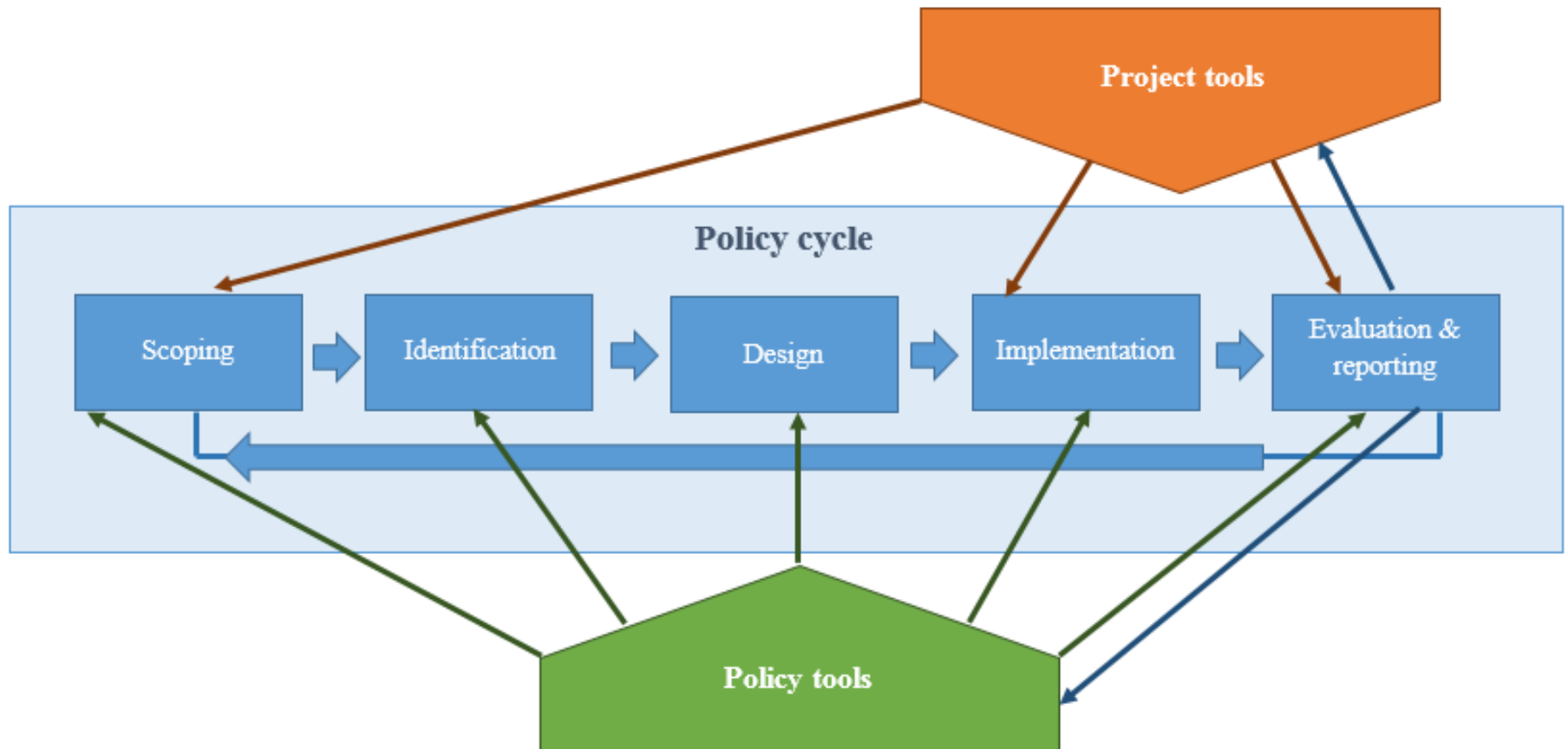
Aim:

to analyze and 'map' publically available tools and sources on energy efficiency in buildings to assist local policy-makers in accelerating energy efficiency

Results of the analysis will be presented in upcoming publications



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



Scoping

Identification of
options

Policy design

Implementation

Evaluation &
Reporting

Scoping

Do you have a
baseline for EE
status?

No

CCM,
GREAT

Yes

Can you collect
data required for
EE baseline?

No

TRACE,
city-level
databases

Yes

Yes

Can you identify
barriers to EE?

No

DTR, IPCC AR4 Chapter 6,
IEA Governance Handbook

Yes

Yes

Webinar #1 -

24.11.2015:
CCM & TRACE

https://www.youtube.com/watch?v=tN8R_afOPjc

Identification

Can you identify
policy instruments
to address existing
barriers and
prioritize them?

No

Building Policy Assessment Tool,
TRACE, BEST, IEA EE Governance
Handbook, ENERGYSTAR Energy
Treasure Hunt Guide

Yes

Yes

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Policy design

Do you have policy
design guidelines
and/or information
on existing policy
practices?

Yes

Yes

No

Guidelines: Handbook of Sustainable
Building Policies, IPCC AR5 Chapter 9,
IEA EE Governance Handbook, DTR
Existing policy practices: BEEP, PAMS,
GBPN Tool for new buildings, GBPN
Tool for renovation, BigEE, Solutions
gateway, Driving Transformation
Report

Yes

Yes

Will your policy
actions
track/include EE
multiple benefits?

No

IEA Report on Multiple Benefits,
Guidebook 'The co-benefits evaluation
tool for the urban energy systems',
COBRA

Yes

Yes

Today's Webinar
31.03.2016:

IEA tools
BigEE platform
SPoD Handbook



Scoping

Identification of
options

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Implementation

Evaluation &
Reporting

**Will be covered in upcoming
webinars**

follow our updates

Additional Upcoming BEA webinars

- April
 - Strategies to spur green private sector development
- May
 - Tools for policy and project implementation
 - Energy efficient procurement for cities
- June
 - Building Energy Codes – Implementation & Enforcement Strategies
 - Green building certifications: What and Why
- July
 - Tracking local progress on energy efficiency in buildings