



**Building Efficiency
Accelerator**



**GLOBAL ENERGY EFFICIENCY
ACCELERATOR PLATFORM**

Overview of tools for energy efficiency in buildings

December 1, 2016

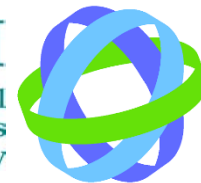
Ksenia Petrichenko, Copenhagen Centre on Energy Efficiency



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C2E2 - WRI work on tools mapping

APPROACH		SCOPE		STAGE OF THE POLICY DEVELOPMENT CYCLE					CITY FOCUS	
Passive	Inter-active	Project	Policy	Scoping	Identifi-cation	Design	Imple-mentation	Track-ing	Target-ing	Sup-ported

(TRACE)										
IEA EE Governance Handbook	x									
ENERGYSTAR Energy Treasure Hunt Guide	x									
IEA 25 Recommendations for Buildings	x									
Benchmarking and Energy Saving Tool for Low Carbon Cities (BEST)		x								
Building Efficiency Policy Assessment Tool		x								
Handbook of Sustainable Building Policies	x									
Solutions Gateway	x									
GHG Report Urban Efficiency	x									
ENMAP: Manual Guidance on Buildings	x									
Co-Benefits Risk Assessment (COBRA)										
BigEE Policy Guide										
Building Energy Efficiency Policies (BEEP)										
Policy Tool for New Buildings										
Policy Tool for Renovation										
RenovWiz										
Energy Efficient Cities Case Studies Database										
Capturing the Multiple Benefits of Energy Efficiency										
The Co-benefits Evaluation Tool for the Urban Energy System										
EPCCARS Chapter 9										
Policy & Advocacy Collection (PAC)										
LEED Credit Library and Resources Library										
The Green Building Information Gateway (GGG)										
GGG Insight / Sustainable Cities Collection										
Building Energy Optimization (B Opt)										
Commercial Building Analysis Tool for Energy Efficiency Retrofits (COMBAT)										
Sustainable Design for Greater Efficiency (SDGE)										
Target Finder										
Building Upgrade Value Calculator										
Energy Model Input Translator (EMIT)										
Energy Plus and QLEST										
RETScreen										
GHG Good Practice Guide										
ACEEE City EE Scorecard										
Clear Path										
Energy Forecasting Framework and Emissions Consensus Tool (EFFRECT)										
ENERGYSTAR Portfolio Manager										
Global Protocol for Community-Scale GHG Emissions (GPC)										
IEA Indicators										
Local Energy Efficiency Policy Calculator (LEEP-2)										
Carbon Climate Registry										
IEA-EPCC Building Energy Performance Metrics										
GHGRI Base Level Survey										

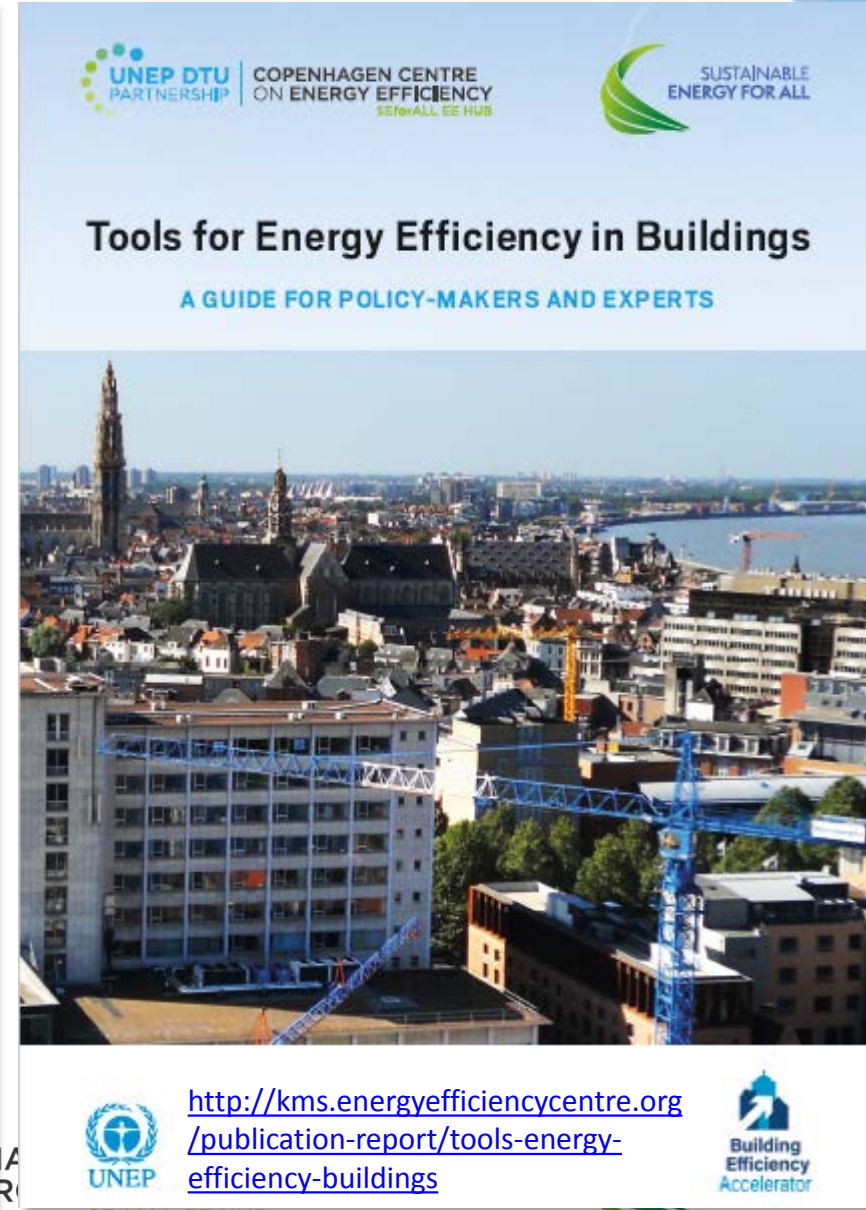
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Aim:
to analyze and 'map' publically available tools and sources on energy efficiency in buildings to assist local policy-makers in accelerating energy efficiency

Relevant publications for cities



<http://publications.wri.org/buildingefficiency/>

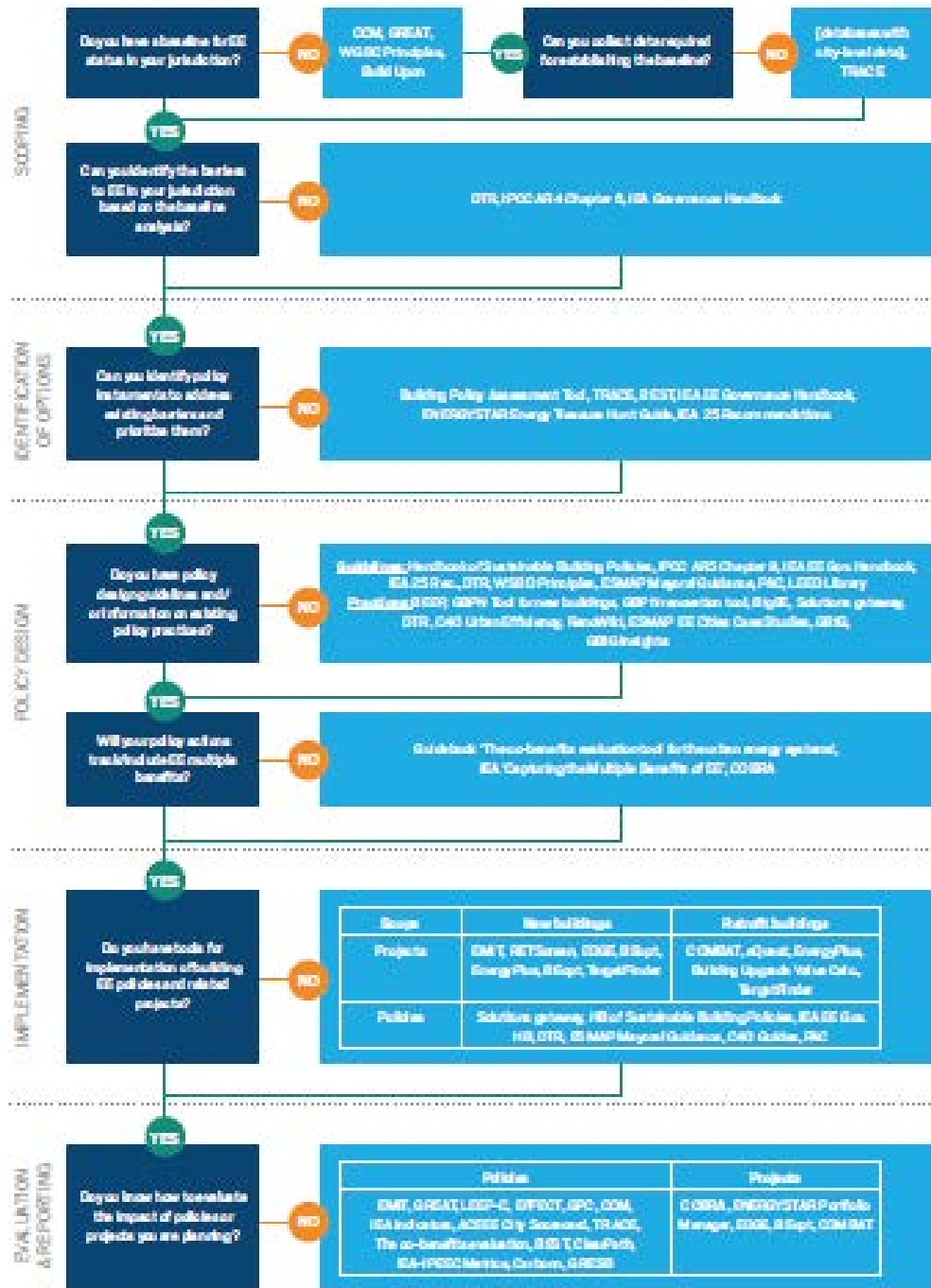
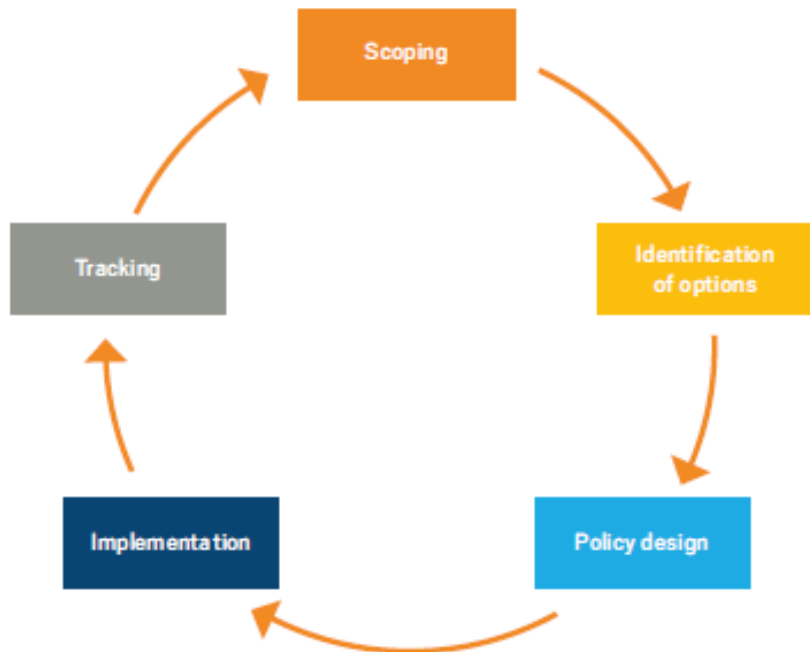


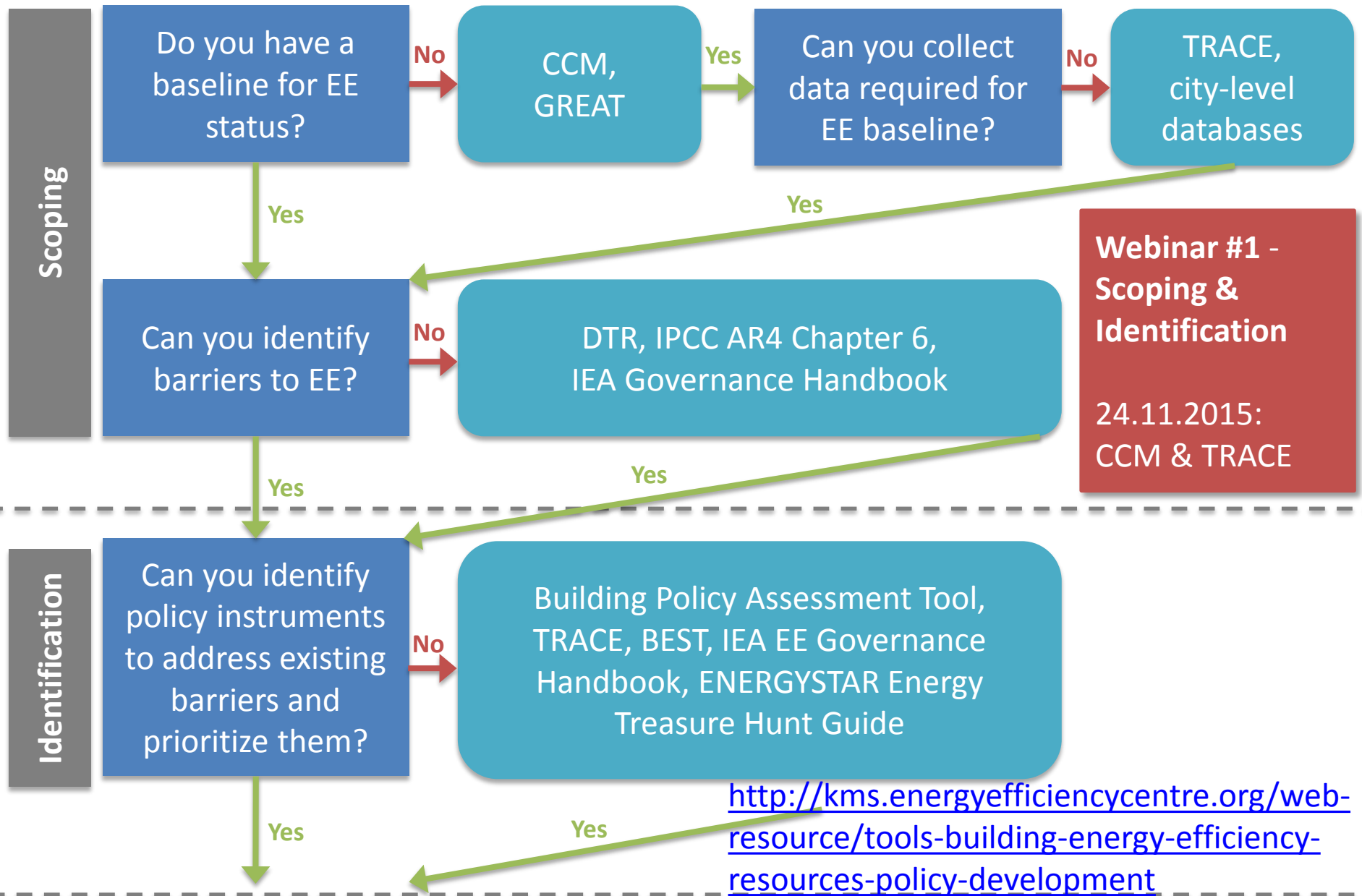
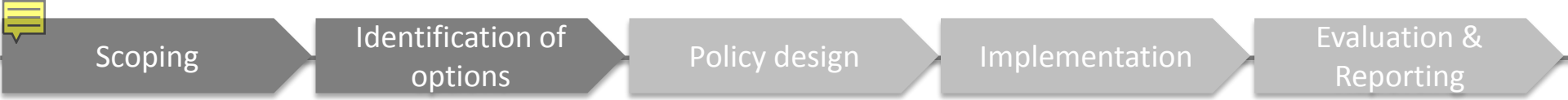
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<http://kms.energyefficiencycentre.org/publication-report/tools-energy-efficiency-buildings>



Looking at the Policy Development Cycle





Webinar #1 - Scoping & Identification

24.11.2015:
CCM & TRACE

<http://kms.energyefficiencycentre.org/web-resource/tools-building-energy-efficiency-resources-policy-development>



Policy design

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

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

Webinar #2 - Design
31.03.2016:

IEA tools
BigEE platform
SPoD Handbook

Will your policy actions track/include EE multiple benefits?

Yes

No

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

<http://kms.energyefficiencycentre.org/web-resource/tools-building-energy-efficiency-resources-policy-design>



Implementation

Do you have tools for implementation of building EE policies and related projects?

Scope	New buildings	Retrofit buildings
Projects	EMIT, RETScreen, EDGE, BEopt, EnergyPlus, BEopt, TargetFinder	COMBAT, eQuest, EnergyPlus, Building Upgrade Value Calc., TargetFinder
Policies	Solutions gateway, HB of Sustainable Building Policies, IEA EE Gov. HB, DTR, ESMAP Mayoral Guidance, C40 Guides, PAC	

Yes

Yes

No

Yes

Yes

Webinar #3 - Implementation
02.06.2016:

- ICLEI Solutions Gateway
- C40 Good Practice Guides
- IFC EDGE Tool

<http://kms.energyefficiencycentre.org/web-resource/tools-building-energy-efficiency-resources-policy-and-project-implementation-webinar>



Evaluation & Reporting

Do you know how to evaluate the impact of policies or projects you are planning?

No

Policies	Projects
EMIT, GREAT, LEEP-C, EFFECT, GPC, CCM, IEA indicators, ACEEE City Scorecard, TRACE, The co-benefits evaluation, BEST, ClearPath, IEA-IPEEC Metrics, Carbons, GRESB	COBRA, ENERGYSTAR Portfolio Manager, EDGE, BEopt, COMBAT

Webinar #4 - Tracking
 01.12.2016:
 WRI GHG Protocol
 ICLEI ClearPath
 Portfolio Manager - City of Milwaukee

[All webinar materials will be available at Copenhagen Centre's Knowledge Management System](#)



Knowledge Management System



The Copenhagen Centre's Knowledge Management System (KMS) engages stakeholders in energy efficiency initiatives through knowledge sharing and outreach. The KMS provides users with access to selected information, reports, publications, and databases on energy efficiency. The KMS is linked to many other energy efficiency initiatives.

<http://kms.energyefficiencycentre.org/>



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Questions & Answers

December 1, 2016

**Tools for Building Energy Efficiency:
Resources for Policy and Project Progress Tracking**



SUSTAINABLE
ENERGY FOR ALL



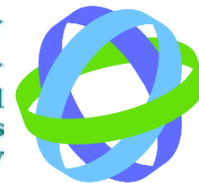
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