
ECEEE Summer Study 2019

*Everything you always wanted to know about evaluation
but were afraid to ask: a new toolbox to answer your
needs*

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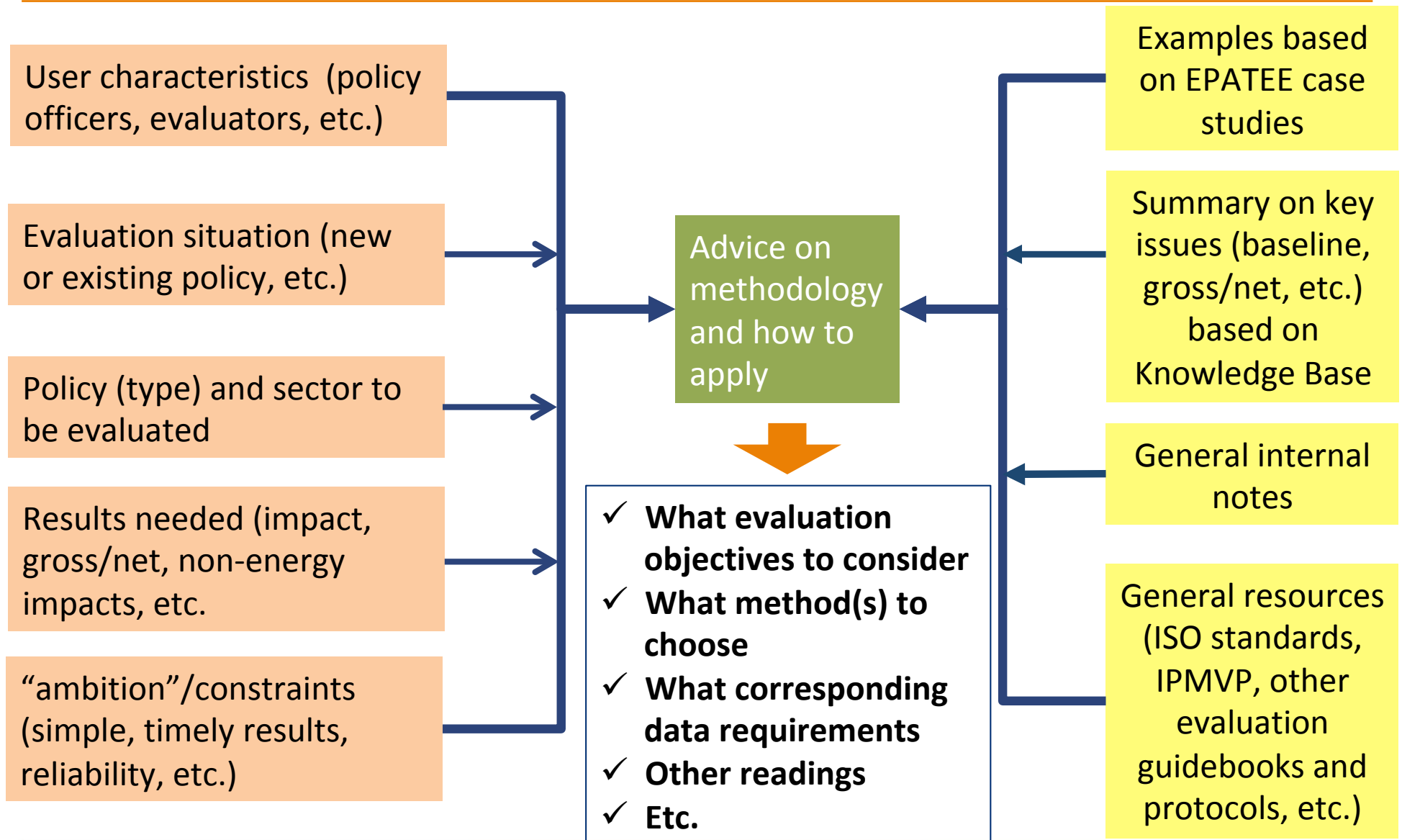


Aim of the Toolbox

- General guidance on ex-post evaluation of Energy Efficiency Policies
- Providing a Knowledge Base of relevant references, and case studies with practical examples
- Providing advanced guidance on specific **C**ombinations of **P**olicy measure, **S**ector and calculation **M**ethod (PSMC)
 - By guiding users through different menu's
 - By an interactive selection mechanism (wizard)

Specific guidance/tools

- Based on general template for tool descriptions
- Descriptions for 30 tools (tailored to specific combinations of Policy Measure, Sector and Method) of how to execute the evaluation, given the needs and possibilities for the specific combination)
- References in Knowledge Base (+ examples in the case studies)
- References to General guidance in Toolbox
- References to internal Notes in the project



Examples of internal Notes as background information source in the project :

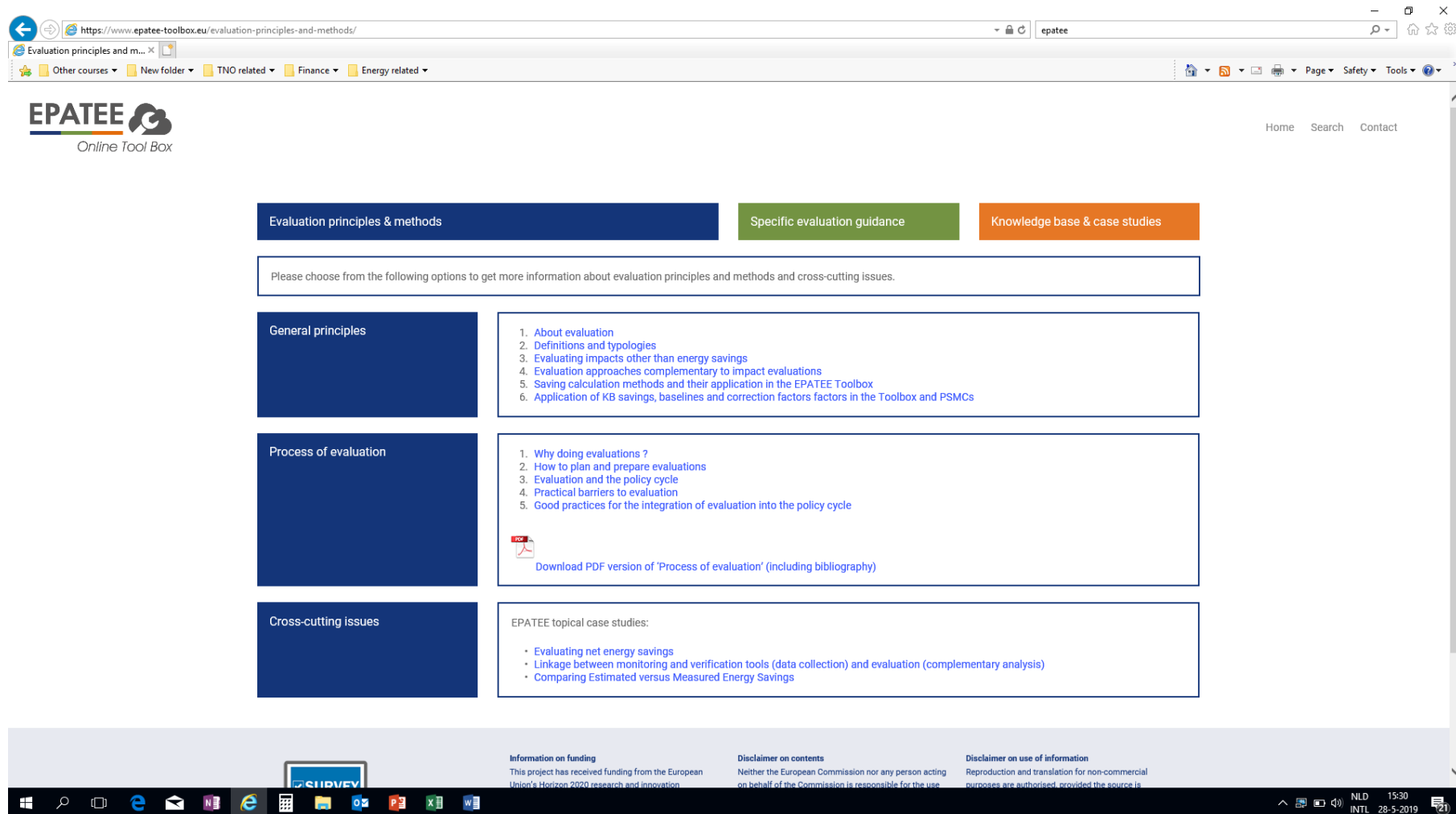
Internal Notes:

- **A.** Main policy measure types and selection for advanced guidance (PSMC)
- **B.** Adapted set of (sub)sectors for PSMC analysis
- **C.** Definitions related to Energy savings evaluation
- **D.** Saving calculation methods and their application in the EPATEE Toolbox
- **E.** Definition, applicability analysis and selection of tools for the Toolbox



Selected list of advanced guidance (PSMC's) :

- No.1 Legislative/Normative Buildings/residential Measurement
 - No.16 Financial support Industry/specific Engineering estimate
 - No. 20 Fiscal/Tariffs Passenger Transport Stock Modelling
-
- In total , 30 PSMC's, covering the most relevant guidance cases



The screenshot shows the EPATEE website interface. At the top, there is a navigation bar with the EPATEE logo and the text 'Online Tool Box'. Below this, there are three main sections: 'Evaluation principles & methods' (highlighted in blue), 'Specific evaluation guidance' (green), and 'Knowledge base & case studies' (orange). The 'Evaluation principles & methods' section contains a list of topics: 'General principles', 'Process of evaluation', and 'Cross-cutting issues'. The 'General principles' section lists six topics: 1. About evaluation, 2. Definitions and typologies, 3. Evaluating impacts other than energy savings, 4. Evaluation approaches complementary to impact evaluations, 5. Saving calculation methods and their application in the EPATEE Toolbox, and 6. Application of KB savings, baselines and correction factors factors in the Toolbox and PSMCs. The 'Process of evaluation' section lists five topics: 1. Why doing evaluations?, 2. How to plan and prepare evaluations, 3. Evaluation and the policy cycle, 4. Practical barriers to evaluation, and 5. Good practices for the integration of evaluation into the policy cycle. The 'Cross-cutting issues' section lists three topics: 1. Evaluating net energy savings, 2. Linkage between monitoring and verification tools (data collection) and evaluation (complementary analysis), and 3. Comparing Estimated versus Measured Energy Savings. The website also features a footer with information on funding, disclaimer on contents, and disclaimer on use of information.

(website screenshot)

General organisation of the online toolbox



<https://www.epatee-toolbox.eu/>



Wizard

Online tool for putting evaluation of energy savings into practice

This website provides practical tools and guides to facilitate the uptake of good evaluation practices according to various needs.

The tools are meant to help step by step both evaluators and users of evaluation results in specifying the evaluation methods and effects, through:

- Providing a smart online toolbox with tools for integrating evaluation practice in the policy cycle.
- Clarification of how tools can be best applied by means of guidelines

Evaluation principles & methods

Select this box if you have questions about evaluation principles, about why and how to plan & prepare evaluations or about cross-cutting issues.

Specific evaluation guidance

Select this box if you have questions related to the evaluation of a specific combination of policy instrument, sector and/or a certain type of evaluation method.

Knowledge base & case studies

Select this box if you looking for practical examples or references to additional information.



- More than 175 references (and in process of expanding)
- Search filters enabling to find references according to various criteria

Search by Categories

Year of publication

1984



2017

Language

None selected ▾

Study type

None selected ▾

Type of policy instrument

None selected ▾

Sector

None selected ▾

Geographical scope

None selected ▾

✓ ADVANCED SEARCH

Evaluation type

None selected ▾

Objective of evaluation

None selected ▾

Data Collection

None selected ▾

Calculation method

None selected ▾



Baseline / counterfactual

None selected ▾

Savings data presentation

None selected ▾

Normalisation factors

None selected ▾

Effect adjustments

None selected ▾

Cost data

None selected ▾

Uncertainty analysis

None selected ▾

Other impacts

None selected ▾

Case Study available

None selected ▾

SEARCH

CLEAR ALL

Objective = covering a **diversity** of situations to produce **materials for experience sharing**

23 case studies (13 countries, main policy instruments and sectors)

Why evaluation is used, how it is performed + documenting data

Short description of the measure

Key data about means and outputs

Data on energy savings

Details about the evaluation method(s)

Insights about other aspects monitored or evaluated

Focus on key evaluation issue(s) or practice(s)

+ interview(s) with the evaluation customer and/or evaluator

→ direct feedback about evaluation practices

- Evaluation increases the robustness of energy efficiency policy measures
- Guidance on energy policy measures, sectors and methods assists in a targeted evaluation approach

- How do you value (ex-post) evaluation
- Might an online toolbox assist you in your policy shaping?

Last EPATEE events

4th European peer-learning workshop, **Brussels – Thursday 13 June 2019**

Final EPATEE conference, **Paris – Thursday 19 September 2019**

Details and registration at:

<https://epatee.eu/events-workshops>

Acknowledgements

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OBJECTIVE: creating favourable conditions for improving the number, quality/performance and effective use of ex-post impact evaluations of energy efficiency policies.

CONCEPT: improving key stakeholders' evaluation practices can lead to a better understanding/knowledge of impacts and how policies work, and thereby to increasing effectiveness of policies

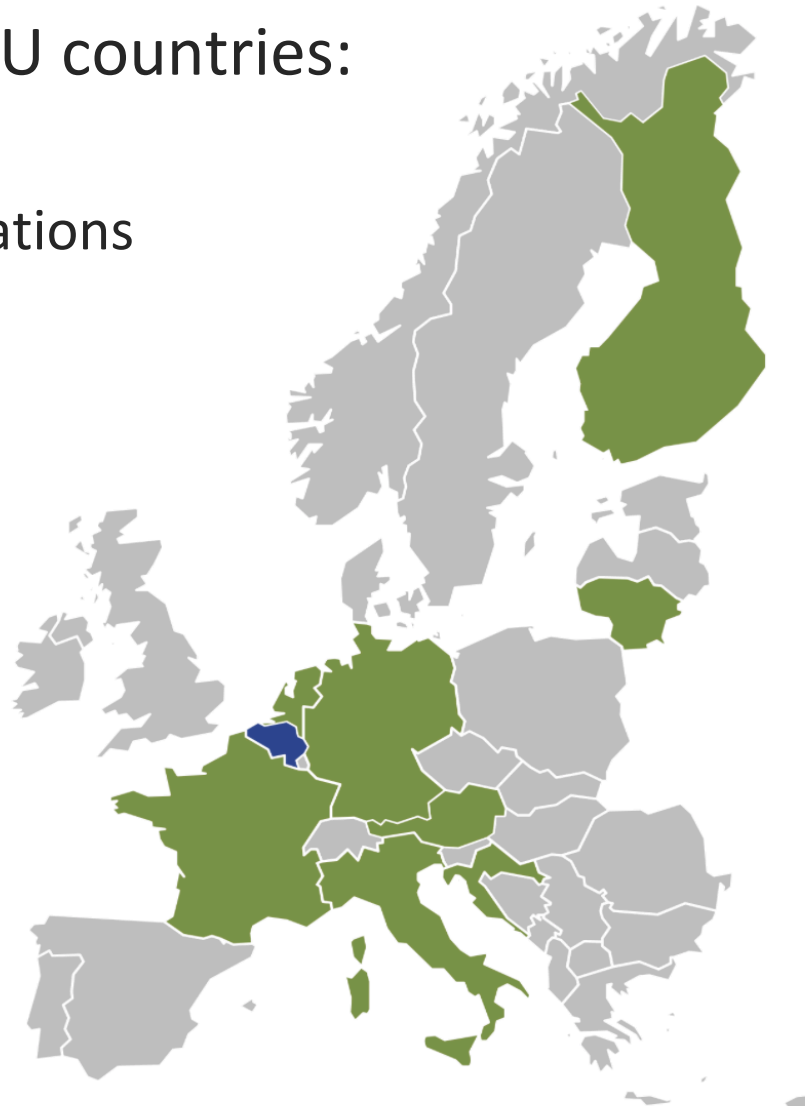


10 partners from 8 EU countries:

- ✓ 3 public agencies
- ✓ 2 professional associations
- ✓ 5 research institutes

See:

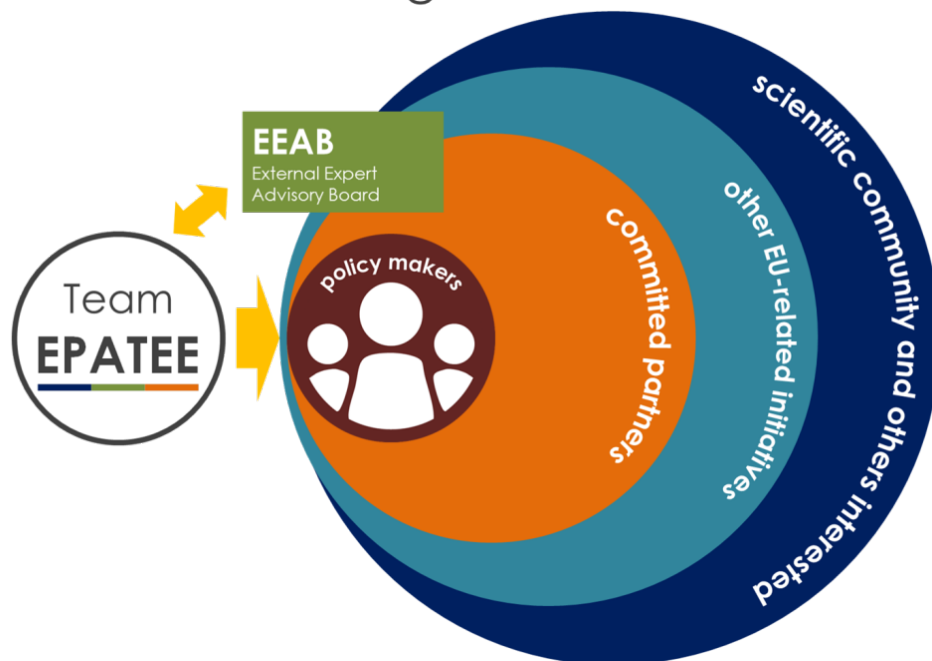
<https://epatee.eu/>



coordination

 AEA Österreichische Energieagentur - Austrian Energy Agency	 ADEME Agence de l'environnement et de la maîtrise de l'énergie
 ATEE Association Technique Energie Environnement	 ECN Energy research Centre of the Netherlands
 EIHP Energy Institute Hrvoje Pozar	 FIRE Italian Federation for Energy Efficiency
 FRAUNHOFER ISI Fraunhofer Institut für System- und Innovationsforschung	 IEECP Institute for European Energy & Climate Policy
 LEI Lithuanian Energy Institute	 MOTIVA OY Finland

EPATEE's coverage



- **Stakeholders' interviews and surveys**



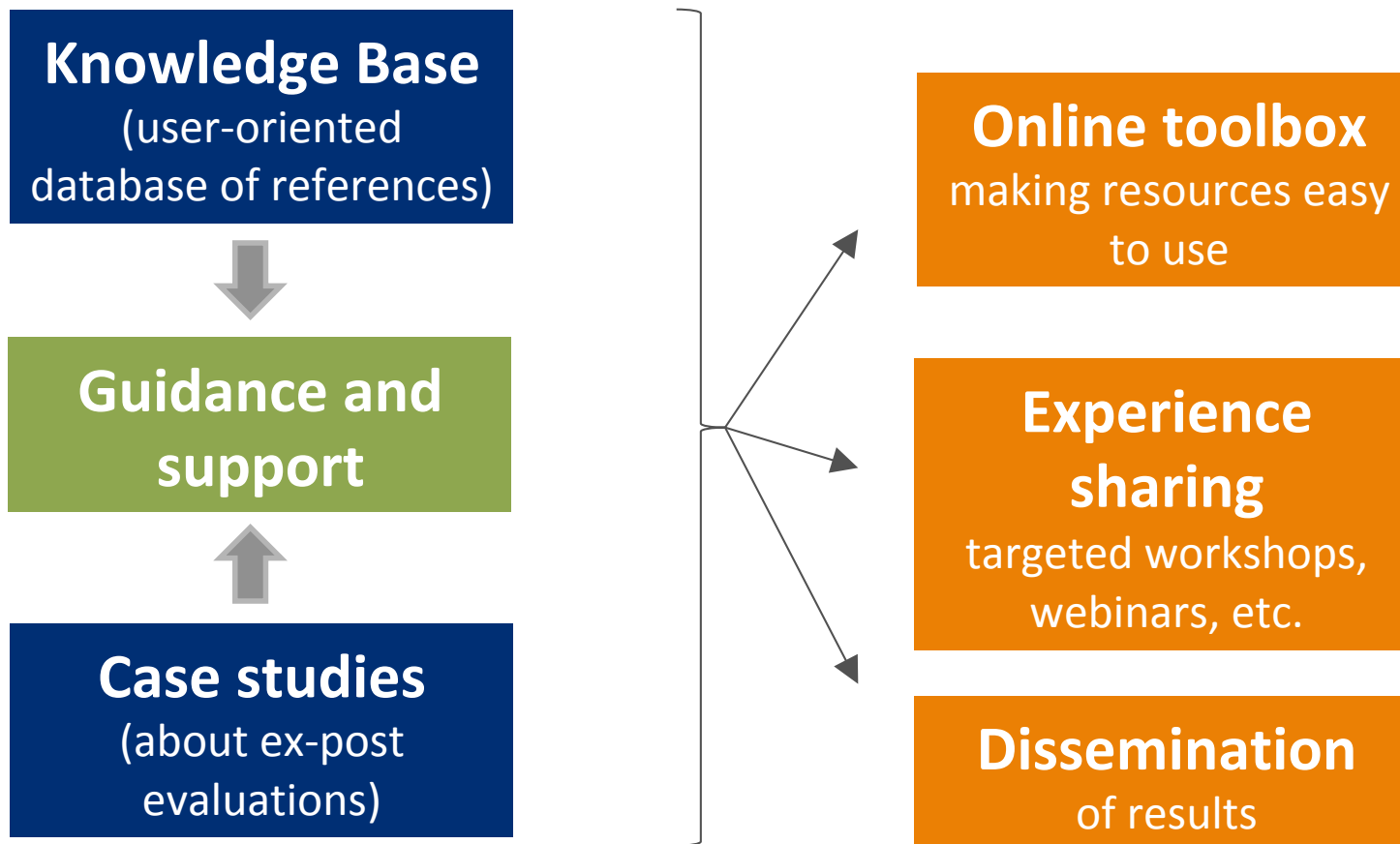
- Needs & Priorities
- Current practices & barriers
- Practical feedbacks & examples



- **European & national peer-learning workshops**
- **Webinars**

Building resources based on up-to-date knowledge and concrete experience feedback

Creating the conditions for an effective use of these resources



US

- > New England Capacity Market
- > Weatherization Assistance Program

Netherlands

- > Subsidy scheme for housing corporations
- > Multi-year agreements in the industry
- > Purchase tax on passenger cars

UK

- > Supplier Obligation
- > Warm Front

Ireland

- > Better Energy Homes

Belgium (Wallonia)

- > Primes Energie

France

- > "Future Investments" programme
- > Voluntary agreement for freight companies

Italy

- > White Certificates scheme
- > Tax credit scheme

EPATEE case studies



Nordic Countries

- > Nordsyn (market surveillance)

Finland

- > EE agreements in Industries
- > Energy audits in municipalities

Lithuania

- > Renovation programme for apartment blocks

Denmark

- > EEO scheme

Germany

- > Energy Efficiency Fund
- > Energy Efficiency Networks Initiative

Austria

- > Environmental Support Programme for companies
- > City EE Programmes of Vienna

Croatia

- > Energy renovation programme for public sector buildings
- > Individual heat metering in multifamily buildings