

---

# The Online Toolbox: Overview of the support tools developed in EPATEE

Workshop on “The evaluation of energy efficiency policies”, Brussels, 13 June 2019

*Paul van den Oosterkamp*

*([paul.vandenoosterkamp@tno.nl](mailto:paul.vandenoosterkamp@tno.nl))*

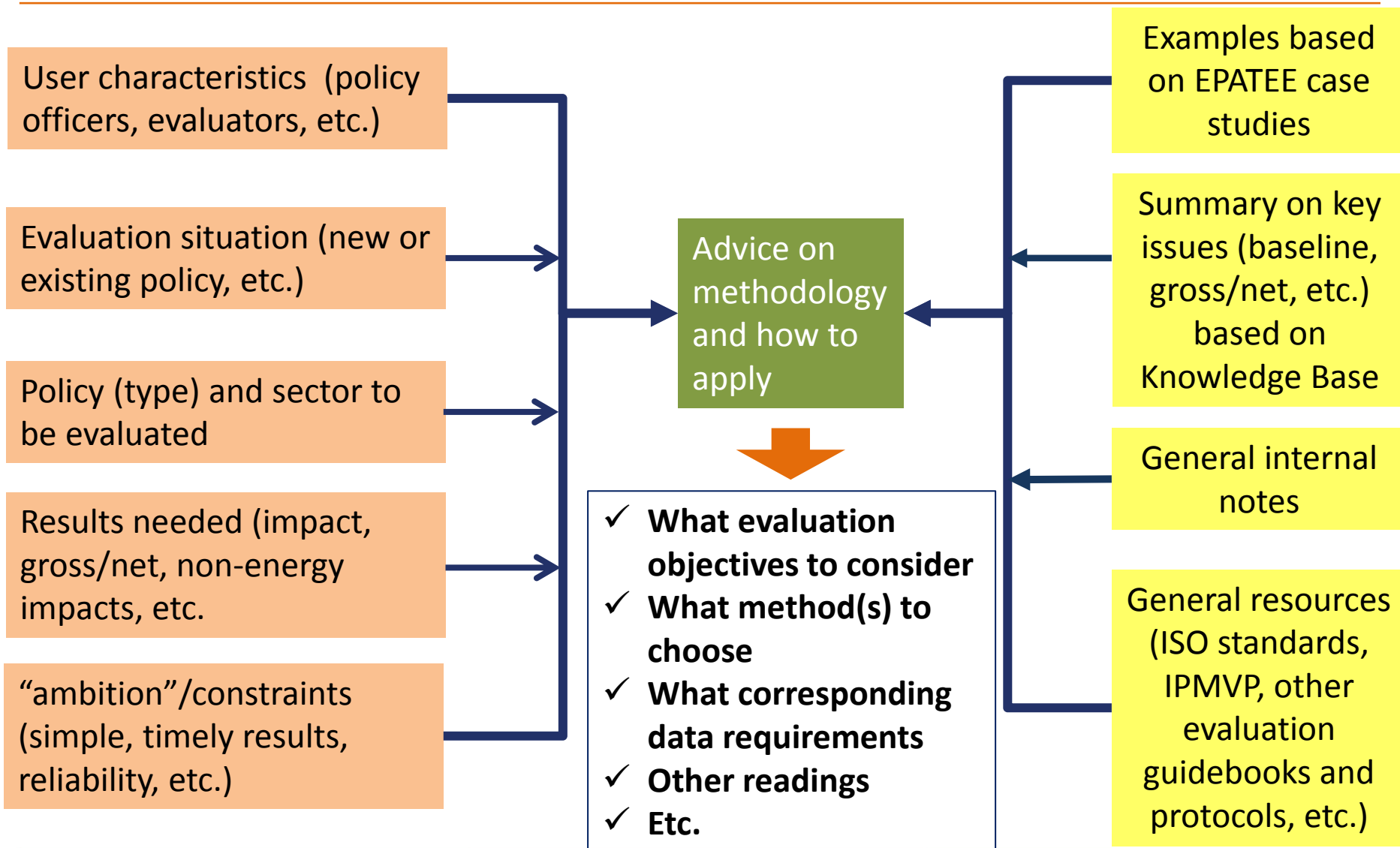


## Aim of the Toolbox

- 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

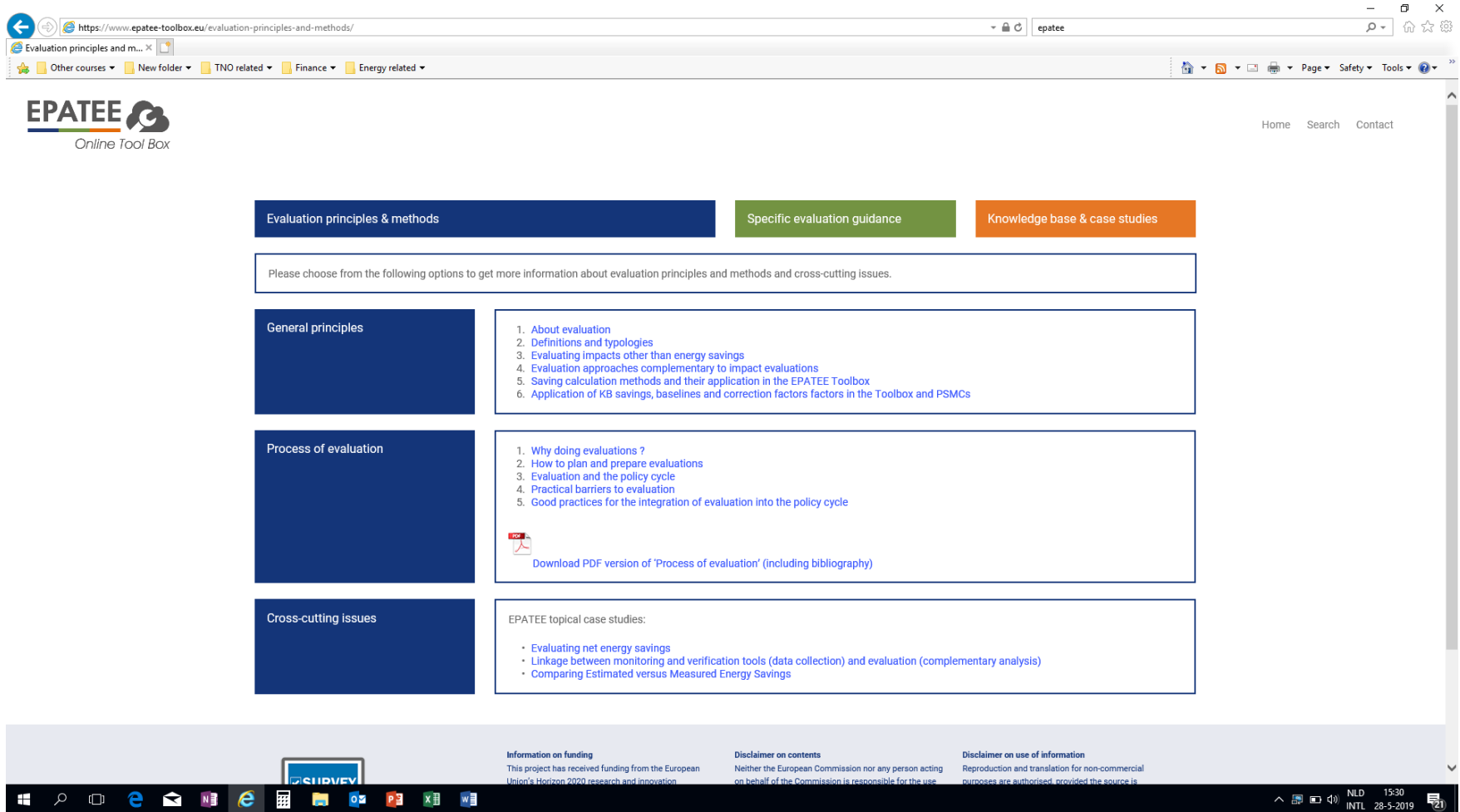
- Based on general template for tool descriptions
- Descriptions for 30 tools (tailored to specific combinations of Policy Measure, Sector and Method) of how to execute the evaluation, given the needs and possibilities for the specific combination)
- References in Knowledge Base (+ examples in the case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



---

## 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 a web browser window with the URL <https://www.epatee-toolbox.eu/evaluation-principles-and-methods/>. The page features a navigation bar with three tabs: "Evaluation principles & methods" (selected), "Specific evaluation guidance", and "Knowledge base & case studies". Below the navigation bar, a message reads: "Please choose from the following options to get more information about evaluation principles and methods and cross-cutting issues." Three main content sections are visible:

- General principles:**
  - About evaluation
  - Definitions and typologies
  - Evaluating impacts other than energy savings
  - Evaluation approaches complementary to impact evaluations
  - Saving calculation methods and their application in the EPATEE Toolbox
  - Application of KB savings, baselines and correction factors factors in the Toolbox and PSMCs
- Process of evaluation:**
  - Why doing evaluations ?
  - How to plan and prepare evaluations
  - Evaluation and the policy cycle
  - Practical barriers to evaluation
  - Good practices for the integration of evaluation into the policy cycle

Download PDF version of 'Process of evaluation' (including bibliography)
- Cross-cutting issues:**

EPATEE topical case studies:

  - Evaluating net energy savings
  - Linkage between monitoring and verification tools (data collection) and evaluation (complementary analysis)
  - Comparing Estimated versus Measured Energy Savings

The footer contains three sections: "Information on funding" (This project has received funding from the European Union's Horizon 2020 research and innovation), "Disclaimer on contents" (Neither the European Commission nor any person acting on behalf of the Commission is responsible for the use), and "Disclaimer on use of information" (Reproduction and translation for non-commercial purposes are authorised, provided the source is).

(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



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