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Presqu'île de Giens, France

# IS EFFICIENT SUFFICIENT?

## Sharing experience to spread evaluation practices: Evaluation does help to improve policies!

Paper 3-111-19

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# EPATEE



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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



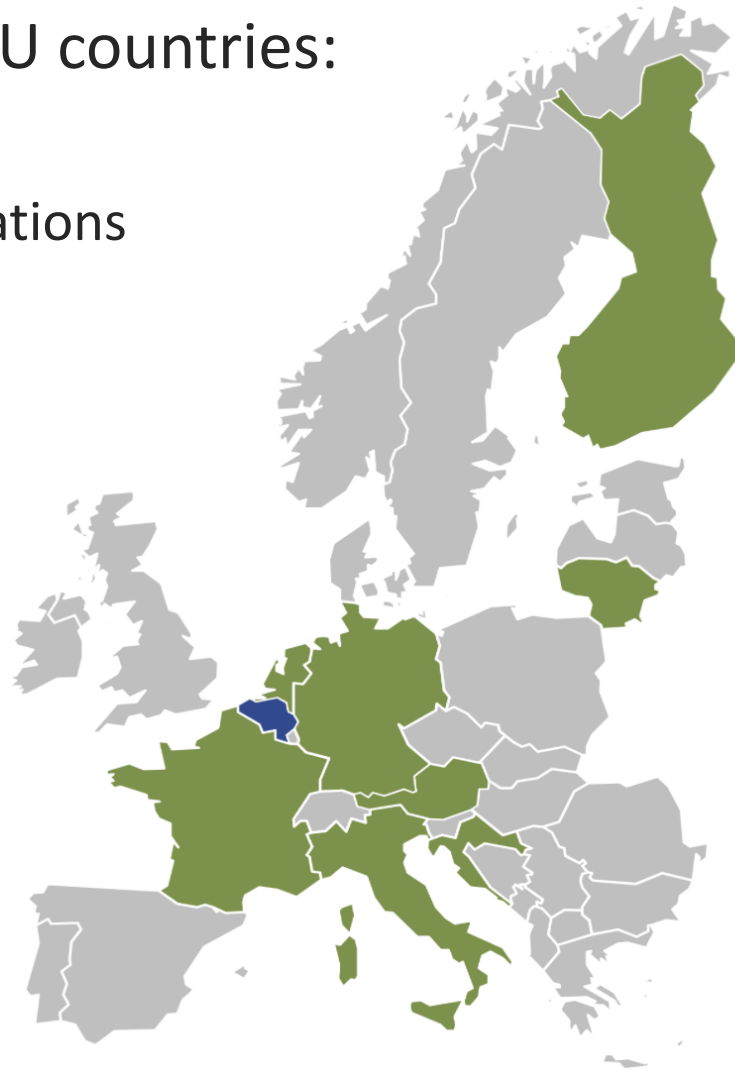


10 partners from 8 EU countries:







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

See:

<https://epatee.eu/>



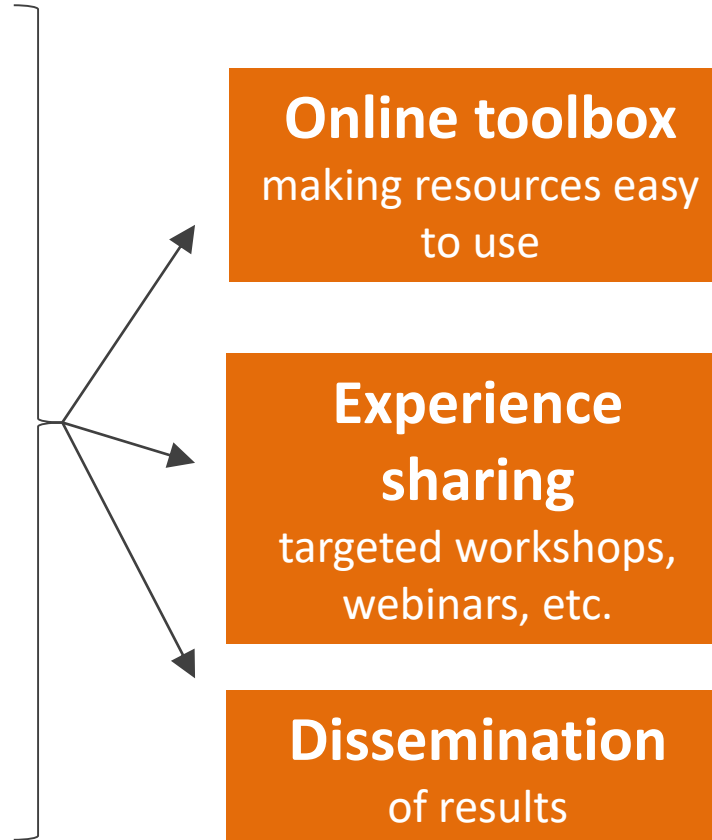
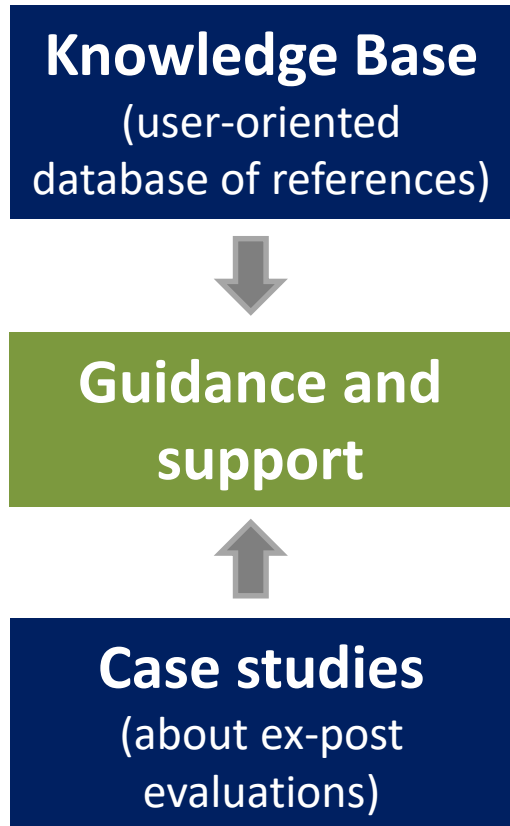
*coordination*

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



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

Creating the conditions for an effective use of these resources



See paper 4-090-19

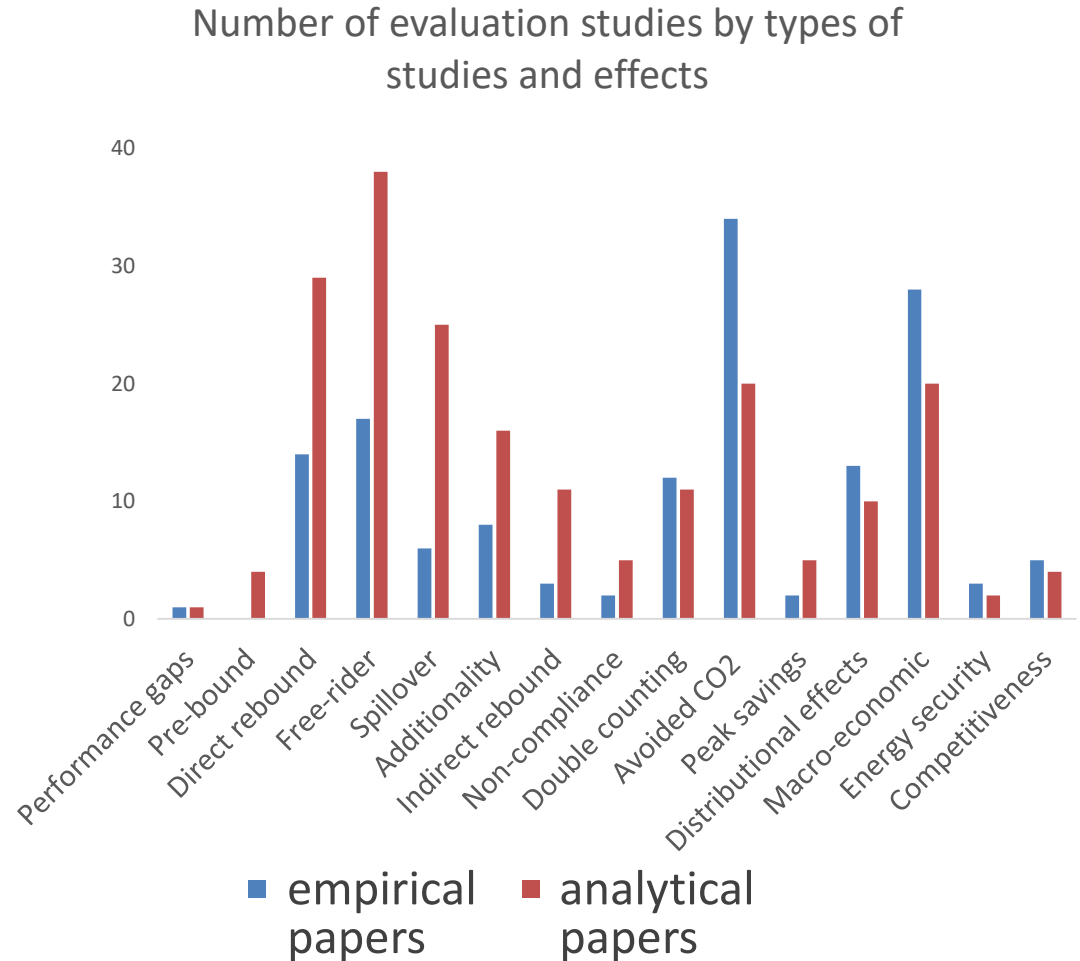


<https://www.epatee-lib.eu/>



# Knowledge Base's content

- More than 170 references
- Mostly ex-post impact evaluations (focus of EPATEE)
- empirical papers: evaluation reports and papers
- analytical papers: methodological papers, guidebooks and protocols



# Knowledge Base's Value Added

All references are coded according to a set of criteria

→ Enabling **filters for tailored searches**

## 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 ▾

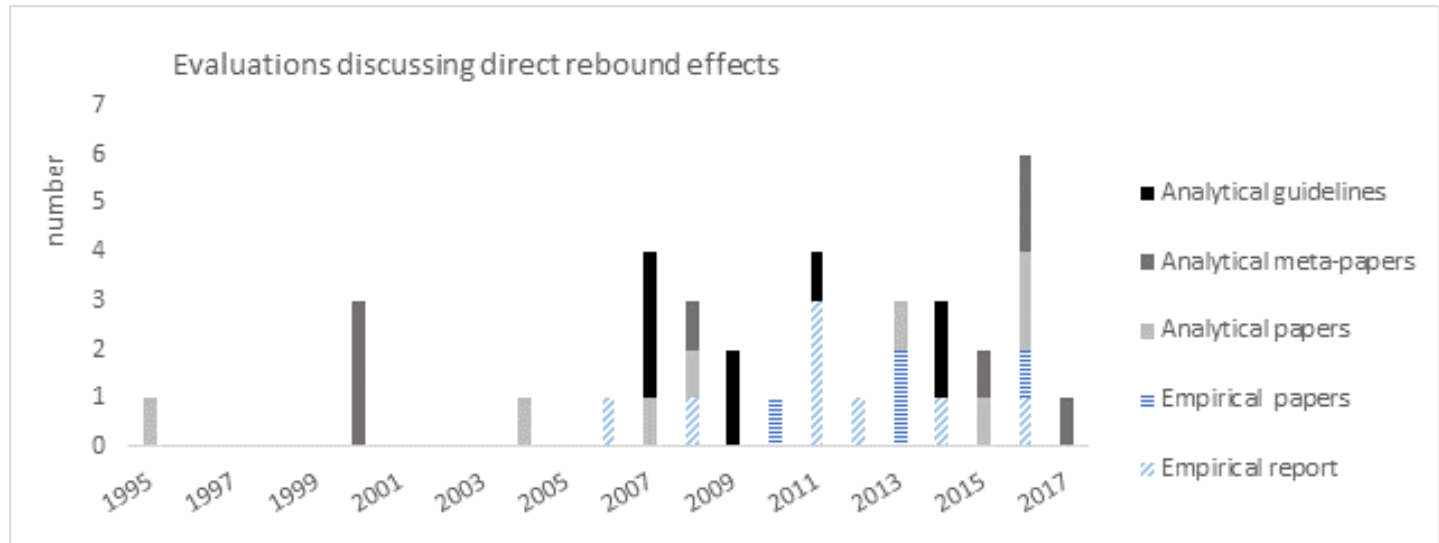
SEARCH

CLEAR ALL



# Knowledge Base's findings

- Evaluation issues have more chances to be addressed when guidelines about them are available



- **Heterogeneity in the terminology** (e.g. about additionality)
- Need to promote more **transparency** (minimum level of **documentation**)

For more analysis about the Knowledge Base, see the report at:

<https://epatee.eu/knowledge-base>




### Background information

#### Attachment

 EPATEE : introducing the case studies in 5 slides

 EPATEE: Terminology and typologies used in the case studies

 Evaluation into Practice: Lessons learnt from 23 evaluations of energy efficiency policies | Volume I - Main findings

 Evaluation into Practice: Lessons learnt from 23 evaluations of energy efficiency policies | Volume II - Background report

### Case studies about examples of evaluations

These case studies present how policy measures have been evaluated, including an interview with the evaluator customer and/or lead evaluator.

**Country**  **Sector**  **Type of instrument**

| Country | Name of the measure                                     | Sector                | Type                   |
|---------|---|-----------------------|------------------------|
| Austria | City Energy Efficiency Programmes of Vienna             | Transversal           | Policy mix             |
| Austria | Environmental Support' (UFI: Umweltförderung im Inland) | Industry and services | Financial              |
| Belgium | Primes Energie (grants for energy renovation)           | Residential           | Financial              |
| Croatia | Individual heat metering in multifamily buildings       | Residential           | Information/ Education |
| Croatia | Energy renovation of public sector buildings programme  | Services              | Financial              |





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

**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

<https://epatee.eu/case-studies>



## 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

## Nordic Countries

- > Nordsyn (market surveillance)

## Finland

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

## UK

- > Supplier Obligation
- > Warm Front

## Denmark

- > EEO scheme

## Lithuania

- > Renovation programme for apartment blocks

## Ireland

- > Better Energy Homes

## Belgium (Wallonia)

- > Primes Energie

## Germany

- > Energy Efficiency Fund
- > Energy Efficiency Networks Initiative

## Austria

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

## France

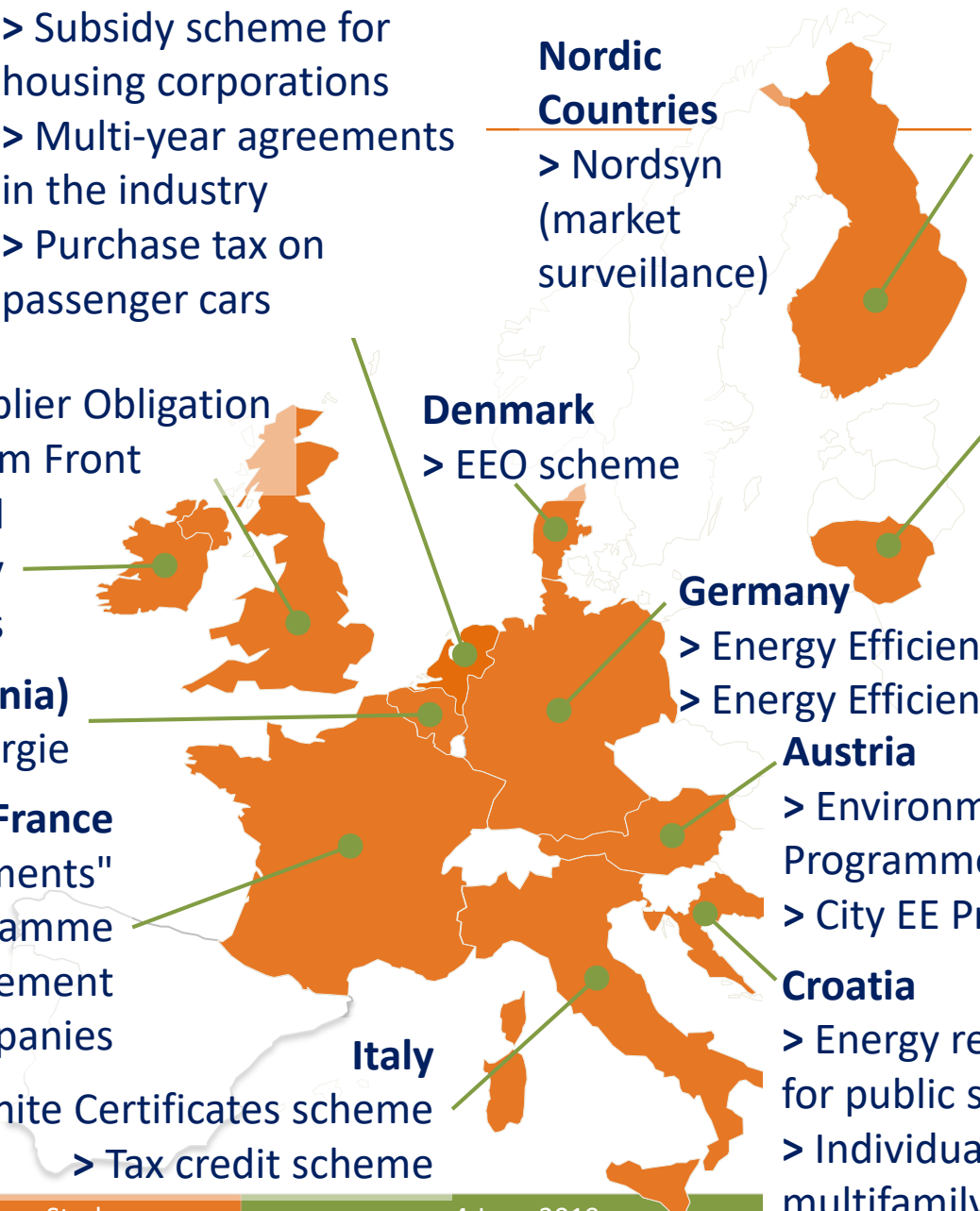
- > "Future Investments" programme
- > Voluntary agreement for freight companies

## Croatia

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

## Italy

- > White Certificates scheme
- > Tax credit scheme





Examples about how evaluation helped to improve policies:

- ✓ **Evidence/accountability** for decision-making (particularly about funding)
- ✓ **Reinforcing support** from policymakers and other stakeholders
- ✓ **Improving policy management** (e.g. application and monitoring processes, administration procedures)
- ✓ **Fine-tuning the scheme** (e.g. design of the incentives, list of eligible actions, technical requirements, verification processes)
- ✓ **Better understanding of how the scheme works** (e.g. factors for (non-)participation, detecting new trends, interactions between policies, side-effects)

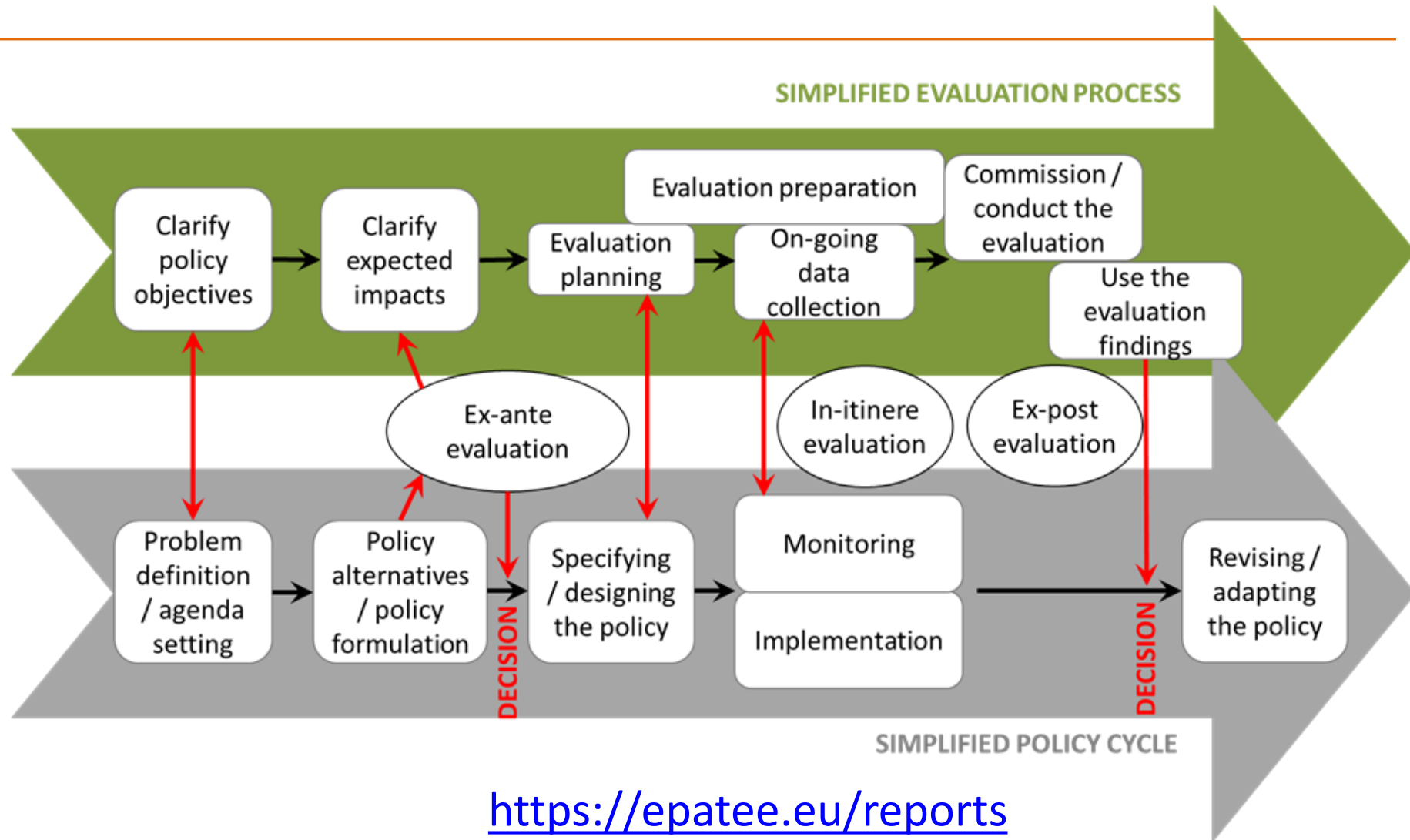
<https://epatee.eu/case-studies>



Examples about **good evaluation practices**:

- ✓ Ensuring **legitimacy** and **build confidence** in the evaluation (e.g. including stakeholders in the evaluation process, review by external experts, clear procedures to verify the data)
- ✓ **Early planning data collection** → not straightforward as it seems; useful to condition aids upon approval for being surveyed
- ✓ **Feedback to stakeholders** about what the data they provided are used for
- ✓ **Complementarity of regular reviews and in-depth evaluations**
- ✓ **Comparing different methods** helps assessing the **robustness** of the results
- ✓ **Communication** about evaluation results can be as important as doing the evaluation

<https://epatee.eu/case-studies>



<https://epatee.eu/reports>

<https://www.epatee-toolbox.eu/evaluation-principles-and-methods/>





- New online resources to help you about evaluation issues:  
Knowledge Base – Case studies – Toolbox (see paper 4-090-19)
- Documentation essential for transparency and usefulness of evaluation findings
- Overall, very positive feedback about doing evaluations (and many examples about how it helped to improve policies)
- **Evaluating is not wasting: think about how much it would cost you not to evaluate!**

<https://epatee.eu>



- What is your experience with evaluation?
- Did you already face some particular problems with evaluations?
- Time needed for evaluating vs. urgency to act

<https://epatee.eu>

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## Last EPATEE events

→ 4<sup>th</sup> 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>

## Stay tuned with EPATEE's activities and results

→ **Newsletter** : <https://epatee.eu/subscribe-our-newsletter>

→ **Twitter** : @epatee\_eu ; [https://twitter.com/epatee\\_eu](https://twitter.com/epatee_eu)

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