Co-funded by the Horizon 2020 programme
of the European Union

Odyssee MUREII

SCCER CREST
Swiss Competence Centers
for Energy Research
Competence Center for
Research in Energy, Society
and Transition

Supported by:
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Confederation
Innosuisse – Swiss Innovation Agency

National Workshop

Energy Efficiency in Europe: How do Swiss Sectors and Policies score?

ODYSSEE-MURE, a decision support tool for energy efficiency policy evaluation

Paul-Klee Centre, Bern, Switzerland, 29th of May, 2018

Prof. Dr. Regina Betz, Head of Center for Energy and the Environment, ZHAW
Prof. Martin Patel, Chair for Energy efficiency, University of Geneva

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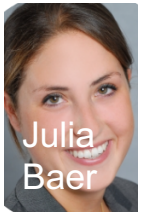
Center for Energy and the Environment (CEE)



- New Center at School of Management and Law at ZHAW founded 1.4.2017
- Member of Swiss Competence Center for Energy Research (SCCER) CREST
- Research areas: Energy markets and climate policy desgin
- In this H2020 project: Lead on MURE part

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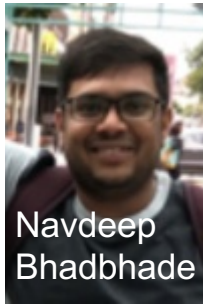
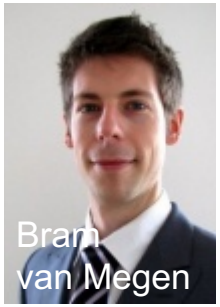
Chair for Energy Efficiency, University of Geneva





- Since Sept. 2013
- SCCER-CREST, FEEB&D, EIP, HaE
- Research areas: Built environment, Energy storage, Industrial systems & materials, policy and economics
- In this H2020 project: Lead on Odyssee part

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The project ODYSSEE – MURE

- The current project is supported by the Horizon 2020 programme of the European Commission and coordinated by ADEME
- **Aim:** Enhancing the capacity of public authorities and other stakeholders to plan and implement energy efficiency policies and measures
- The present project covers **31 countries** (all EU MS, Norway, Serbia and Switzerland)
- **Network of 37 partners** (mainly energy agencies and some research institutes, universities, statistical offices)
- The heart of the project are two databases:

  ODYSSEE: energy efficiency and CO_2 indicators (about 180 indicators) based on energy consumption data by sector and end-use and their drivers (about 600 main data series) → managed by Enerdata

  MURE: structured description of past, present and planned energy efficiency policies in the EU and all partner countries → managed by Fraunhofer ISI and ISINNOVA.

All information available on the website: **www.odyssee-mure.eu**

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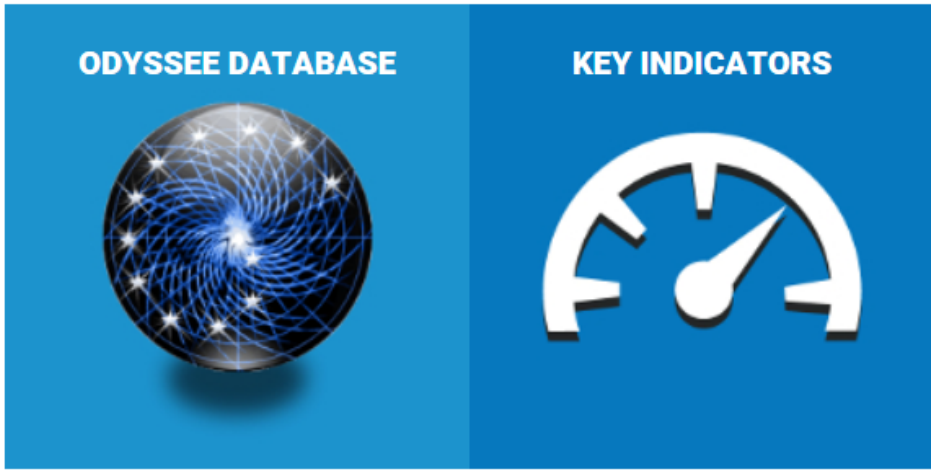
Some remarks on ODYSSEE – MURE

- The ODYSSEE and MURE databases on energy efficiency indicators and policies are strong monitoring tools which were further developed and improved during the last ≈ 25 years.
- **Switzerland** only **joined in 2016**, therefore no history on policies
- In this ongoing project, **new facilities** were developed to better support the user in the analysis.
- **Some facilities** are still **under development**, especially ranking principles, policy interactions are still discussed among the participating project partners. Some of the analysis is therefore **not yet available for Switzerland.**
- The **discussion today** can be taking into account in **finalizing the project**.
- The basis for all facilities is the quality of the input data in the two databases, which are checked by the project leaders.
- The **ongoing project** will be finalised in **early autumn 2018.**
- The future of the project is uncertain. A **new proposal** will be submitted EU HORIZON 2020.

The ODYSSEE tools on energy efficiency indicators

ABOUT THE ODYSSEE DATABASE

The Odyssee indicators are accessible under different data tools: the full data base, the key indicators facility, as well as five specific data facilities that focus on specific issues and provide some interpretation: market diffusion, decomposition, benchmarking, energy saving and indicator scoreboard. The access to the data base is restricted, whereas all other data tools are in public access.



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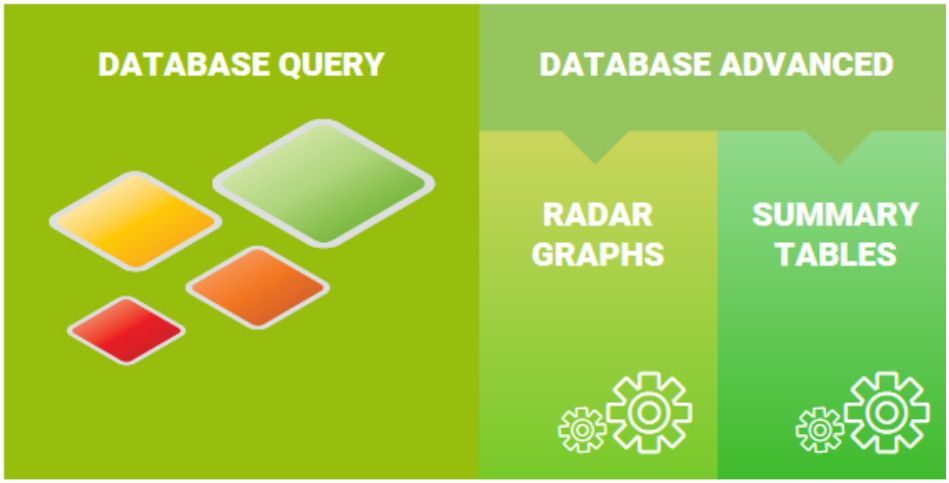
The MURE tools on energy efficiency policies

ABOUT THE MURE DATABASE

MURE (Mesures d'Utilisation Rationnelle de l'Energie) provides information on energy efficiency policies and measures that have been carried out in the Member States of the European Union. The information is accessible by query in the database. The distribution of measure by type can be visualized through radar graph. Finally several facilities enable specific queries.



Close cooperation with EPATEE

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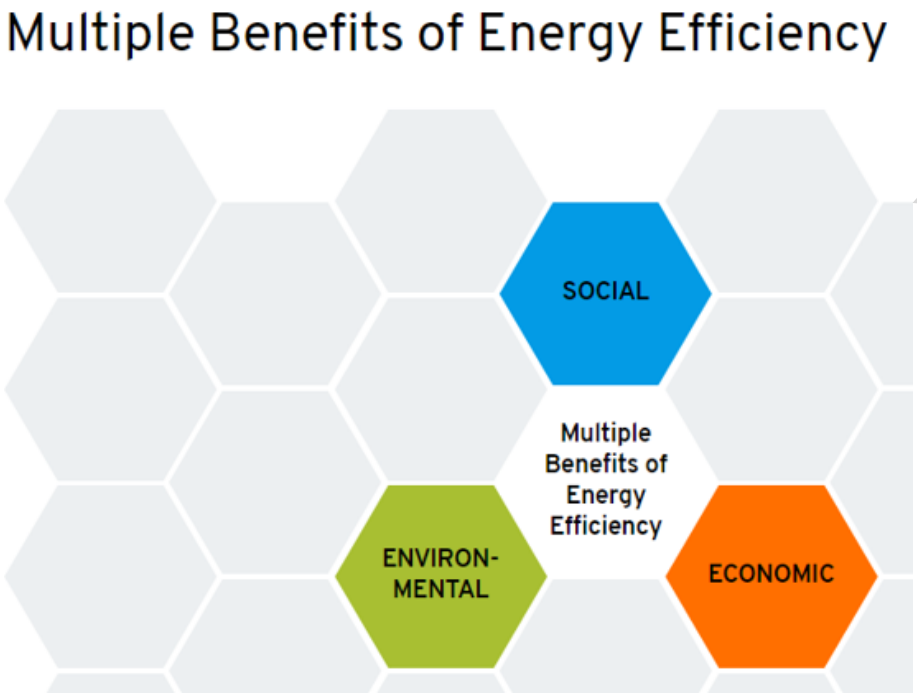
Development of two common ODYSSEE-MURE tools



Link to EPATEE and other H2020 projects (COMBI, M-Benefits)

EPATEE

Indicator and Policy Scoreboard

SCORING ENERGY EFFICIENCY

Common indicator and policy scoreboards

Learn more

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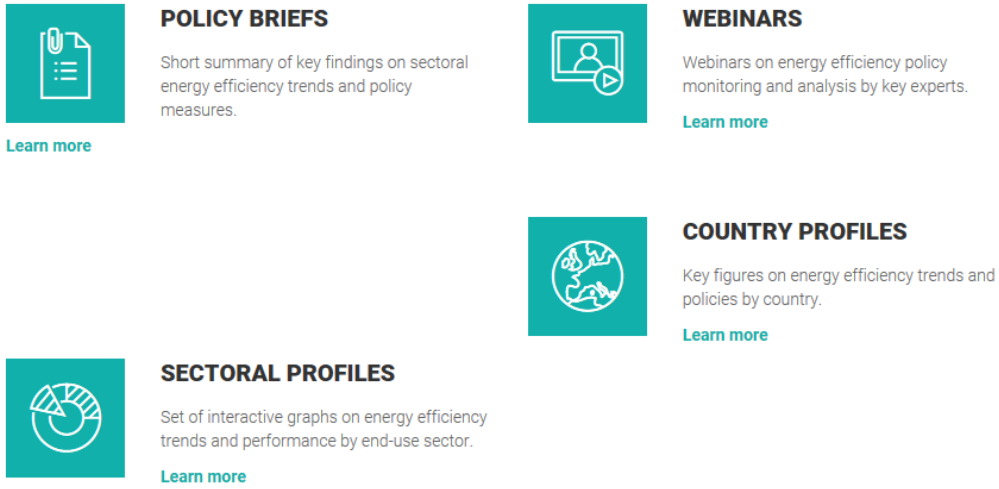
How ODYSSEE – MURE supports stakeholders

- ODYSSEE and MURE Databases
- INDICATOR and POLICY TOOLS
- Regional and national training workshops
- 20 Policy Briefs
- 10 Webinars
- Other publications (newsletter, country profiles, sectoral profiles, national reports.....)



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Policy Briefs and Webinars

CROSS CUTTING

Multi-level governance: linking up local, regional and national levels to deliver integrated sustainable energy action plans and projects

FEBRUARY 2018

How are Member States implementing Articles 7 and 8 of the Energy Efficiency Directive?

MARCH 2017

Technology procurement groups

MARCH 2017

Overall trends in energy efficiency in the EU

FEBRUARY 2017

INDUSTRY

Impact of the economic crisis on the EU's industrial energy consumption

APRIL 2017

Improved energy efficiency in Dutch industrial companies through applying regulations more strictly

MARCH 2017

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Today's Agenda

Morning: ODYSSEE

Energy Efficiency **Indicators**: **Households and Transport**; Selin Yilmaz (UNIGE)
Discussant: Anne-Kathrin Faust (BFE)

Energy Efficiency **Indicators: Industry & Services**; Navdeep Bhadbhade (UNIGE)
Discussant: Martin Kernen (EnAW)

Open discussion and next steps moderated by Martin Patel (UNIGE)

Afternoon: MURE and Combined Tools

Energy Efficiency Policies in Switzerland: Contributions of the MURE database; Regina Betz ZHAW

Case Study: **Policy evaluation** in Switzerland – **CO2 Levy**; Tobias Müller, ZHAW
Discussant: Roger Ramer (BAFU)

Combined Scoreboard and Facility on **Multiple Benefits** of Energy Efficiency
Presenter: Matthias Reuter (Fraunhofer ISI/UNIGE)

Final discussion and outlook on potential future work under ODYSSEE & MURE moderated by Regina Betz, ZHAW