

Creating a world
fit for the future



Introduction to ODYSSEE- MURE project, databases and tools

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Introductions



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This session will:

- Introduce the ODYSSEE-MURE project
- Introduce the online databases and potential applications
- Showcase some of the tools developed in the project which are particularly relevant to BEIS's work
- Present best practice policy examples

Agenda:

- **Introduction (7 mins)**
- **ODYSSEE (15 mins)**
 - Overview
 - Tools – indicators
 - Tools – decomposition analysis
- **MURE (15 mins)**
 - Overview
 - Three MURE analysis facilities (Successful Measures, Energy Efficiency Scoreboard)
 - Multiple benefits tools
- **Q&A (10 mins)**

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Introduction to the project

Project overview:

- ODYSSEE-MURE is a long-running project on energy efficiency indicators and policies, supported by Horizon 2020 programme of the European Commission.

Objectives:

- Support countries with Energy efficiency reporting:
 - Provide a unified indicator approach and harmonise energy savings calculations
 - Support the monitoring and evaluation of energy efficiency progress and the state of implementation of measures and their impact.
 - Share effective policy practises
- **Achieved by:**
 - Updating two comprehensive databases
 - Development of horizontal indicators analysis
 - Preparing policy briefs on trends and analysis supported by ODYSSEE-MURE
 - Training events
 - Capacity building exercises

Project overview:

- The project supports design and compilation of two complementary online databases, that are regularly updated by a network of national teams:
 - [ODYSSEE](#)
 - Detailed energy efficiency and CO₂-indicators with data on energy consumption, drivers (activity indicators) and related CO₂-emissions.
 - [MURE](#)
 - Contains all energy efficiency measures implemented at EU or national level, with their impact evaluation whenever available.
 - 2750 measures recorded in MURE
- A network of 37 partners from 31 countries participate in the Odyssee-Mure project.
- MURE – available to all, ODYSSEE – available to participating country organisation (otherwise requires a subscription)
- Scope: Industry, transport, buildings/households, services plus macroeconomic factors

A DECISION-SUPPORT TOOL FOR ENERGY EFFICIENCY POLICY EVALUATION

ABOUT THE ODYSSEE-MURE PROJECT

Comprehensive monitoring of efficiency trends and policy evaluation in EU countries, Norway, Serbia, Switzerland and the United Kingdom.

LEARN MORE



ABOUT ODYSSEE

Database on energy efficiency indicators and energy consumption by end-use and their underlying drivers in industry, transport and buildings.

Learn more



ABOUT MURE

Database on energy efficiency policies and measures by country in industry, transport and buildings.

Learn more

KEY PUBLICATIONS



POLICY BRIEFS

Short summary of key findings on sectoral energy efficiency trends and policy measures.

Learn more



WEBINARS

Webinars on energy efficiency policy monitoring and analysis by key experts.

Learn more

LATEST NEWS

30 MARCH 2021

On March 30th the Odyssee-Mure project hosted a live webinar: "Energy efficiency trends in transport" (by L. Sudries and B. Lapillonne, Enerdata).

14 DECEMBER 2020

The Odyssee-Mure project has organised 3 training sessions dealing with energy efficiency evaluation on November 30th (Session 1), December 7th (Session 2) and December 14th (Session 3).



- <https://www.odyssee-mure.eu/publications/efficiency-by-sector/>

- <https://www.odyssee-mure.eu/publications/efficiency-trends-policies-profiles/united-kingdom.html>

SECTORAL PROFILE - OVERVIEW

OVERVIEW TRANSPORT INDUSTRY HOUSEHOLDS SERVICES

Energy consumption pattern and drivers


Energy efficiency trends

Energy Efficiency Index

Energy savings

Energy intensity

Decomposition of energy consumption

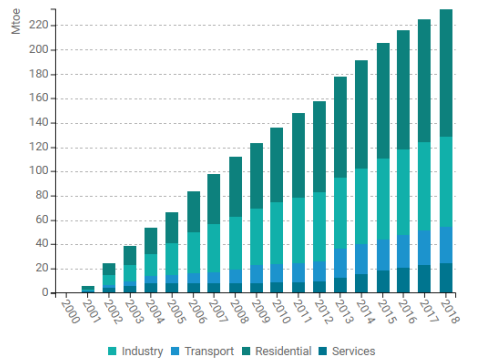

[DOWNLOAD PDF](#)

Last update February 2021
EU still refers to the EU28

EVALUATION OF ENERGY SAVINGS

Around 235 Mtoe of energy savings in 2018 compared to 2000 (i.e. 22% of final energy consumption). Without these savings the final energy consumption would have been 22% higher in 2018. Most of these savings come from households (45%), 32% from industry, 13% from transport and 10% from services...

Energy savings in the EU



■ Industry ■ Transport ■ Residential ■ Services

UNITED KINGDOM PROFILE

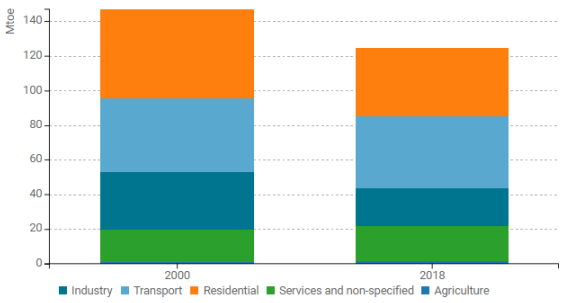
The United Kingdom energy efficiency summary presents energy efficiency trends and policies by sector: Overview, Buildings, Transport and Industry. Get a set of graphs commented by energy efficiency specialists.

OVERVIEW BUILDINGS TRANSPORT INDUSTRY [DOWNLOAD PDF](#)

OVERVIEW

In 2018, UK final energy consumption was around 137 Mtoe, 15% below its level in 2000. Transport is the largest energy consuming sector and makes up just over 33% of the total, followed by the residential sector (32%), industry (17%), the services (including non-specified sector) (16%) and finally agriculture (1%). Final energy consumption is below 2000 levels in transport (-1%), industry (-35%) and residential (-23%). However, final energy consumption has risen in agriculture (+30%) and services and others (+11%).

Figure 1: Final energy consumption by sector (normal climate)



■ Industry ■ Transport ■ Residential ■ Services and non-specified ■ Agriculture

Source: ODYSSEE

Users of Odyssee-MURE

- ~2100 paying users of the database + ~200 ministry and partner users
- Including:
 - National ministries across Europe
 - Industry associations, industry, SMEs. (e.g. innovation project participants in H2020 projects in project reporting.)
 - Researchers and universities (e.g. <https://www.sciencedirect.com/science/article/pii/S0301421520300434?via%3Dihub>)
 - European Commission (DG ENER, JRC, EEA, Eurostat, ECEEE) e.g. in Impact assessment on multiple benefits of EE policies, in design of the revised EED.
 - International agencies: EEA, IEA, G20
 - UN's standards (e.g. ISO 500049 Energy saving calculation at country, region and cities : Energy efficiency index, structural changes of energy intensities and decomposition analysis)

<https://www.odyssee-mure.eu/project.html>

- **ODYSSEE** – Registered user access only
- **MURE** – Some freely available on website, greater access with login details

Contact Samantha.morgan-price@ricardo.com to request access

- Consortium is planning a new phase under LIFE programme
- The projects coordinators are (really) keen for the UK to continue.

- **ODYSSEE** - Monitoring of energy efficiency progress in Member States through indicators.
 - Inclusion of new horizontal data to create uniform complete platform as the 'go to' source for EE data (e.g. including from EEA and EUROSTAT)
 - Improvements in decomposition tools to include CO2 decomposition
 - Inclusion of fuel substitution effect (e.g. for EVs, residential heating boiler changes)
 - New EE and hydrogen indicators
- **MURE** - Assessment of energy efficiency policy measures.
 - Policy radar tool highlighting best practise
 - Inclusion of sufficiency measures
 - New energy community features
 - Online Assessment Tool for progress to 2030 targets and gap analysis
- Capacity building via webinars and workshops
- EU27 + Albania, Montenegro, Kosovo, Macedonia and Bosnia-Herzegovina, Ukraine, Georgia)

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Q&A