



Tour of the ODYSSEE-MURE database

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The Danish Energy Agency
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Agenda

- Publications on www.odyssee-mure.eu
- Odyssee database
 - Database sources
 - Database contents
- Mure database

Brochures

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- Sectoral profiles
- Country profiles
- National reports
- Other reports
- Presentations

BROCHURES

Analysis, interpretation and comparison of energy consumption and efficiency trends by sector for industry, transport and buildings (households and services)

ENERGY EFFICIENCY TRENDS & POLICIES IN THE EU

Key Messages on Energy Efficiency in EU

Date of publication

September 2013

ENERGY EFFICIENCY TRENDS IN THE EU

Energy Efficiency Trends in the EU

Date of publication

January 2013

Energy Efficiency Trends in Transport in the EU

Date of publication

November 2012

Energy Efficiency Trends in Industry in the EU

Date of publication

September 2012

Energy Efficiency Trends in Buildings in the EU

Date of publication

September 2012

Overall Energy Efficiency Trends in the EU

Date of publication

September 2012

ENERGY EFFICIENCY POLICIES IN THE EU

Energy Efficiency Policies in the EU

Date of publication

January 2013

Energy Efficiency Policies in Transport in the EU

Date of publication

October 2012

Energy Efficiency Policies in Industry in the EU

Date of publication

September 2012

Energy Efficiency Policies in Buildings in the EU

Date of publication

November 2012

Brochures

Sectoral profiles

Country profiles

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Other reports

Presentations

Home > Publications > Sectoral profiles > Industry

INDUSTRY

Energy Efficiency Trends in Industry in the EU

SUMMARY

This selection of graphs below provides insights into past developments on energy use, energy efficiency trends in the industrial sector in the EU, with a detailed analysis on energy intensive branches such as steel, cement and pulp and paper. Although the main focus is on the improvement of energy efficiency, other drivers affecting the energy demand trend in the sector, such as industrial growth, structural changes, and production process for energy intensive products, are also considered.

[Back to sectoral profiles](#)

LIST OF GRAPHS

Energy consumption pattern and drivers

Energy consumption trends in EU

Change in fuel mix in EU industry

Share of industry in the final consumption

Energy consumption trend by industrial branch (EU)

Electricity consumption of industry by branch (EU)

Energy consumption of industry by branch and country

Energy intensity trends

Logout 



Co-funded by the Intelligent Energy Europe Programme of the European Union

Energy Efficiency Trends in Industry in the EU



Bruno Lapehonnie, Karine Peltier, Mehdi Sami, Enerdata
May 2015

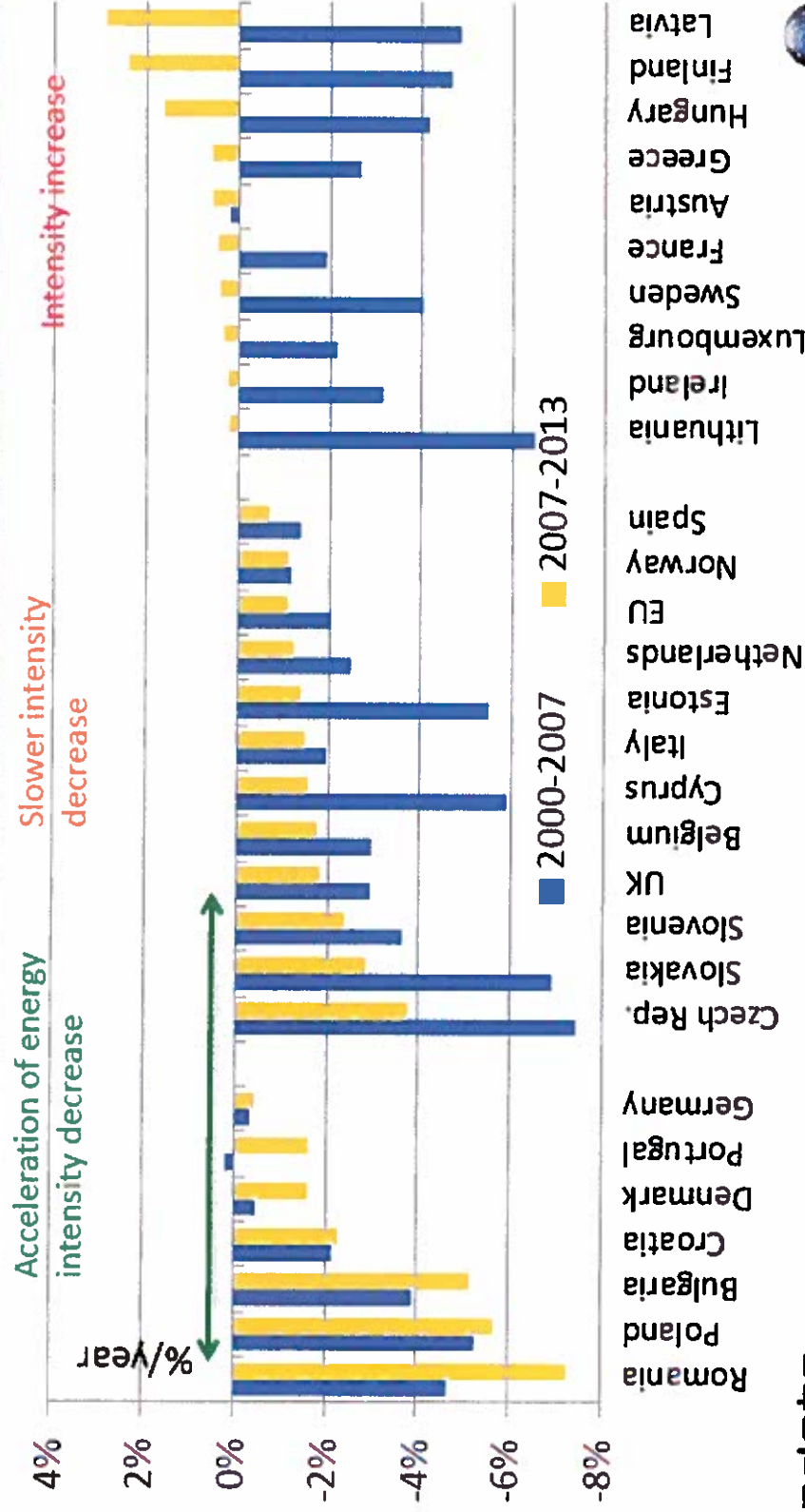


DATE OF PUBLICATION: MAY 2015

 **DOWNLOAD (1.4 MB)**

- Until 2007, energy consumption grew less rapidly than Value Added in all countries → intensity decrease.
- This trend continued after 2007 in 17 countries with:
 - a faster decrease in 7 countries (generally countries with an industrial growth).
 - a slower trend in 11 countries and at EU average (1.1%/yr compared to 2%/yr before).
- In 11 countries, the intensity trend has reversed since 2007, due to the fact that energy consumption did not follow the reduction in activity.

Industrial intensity trends in EU countries

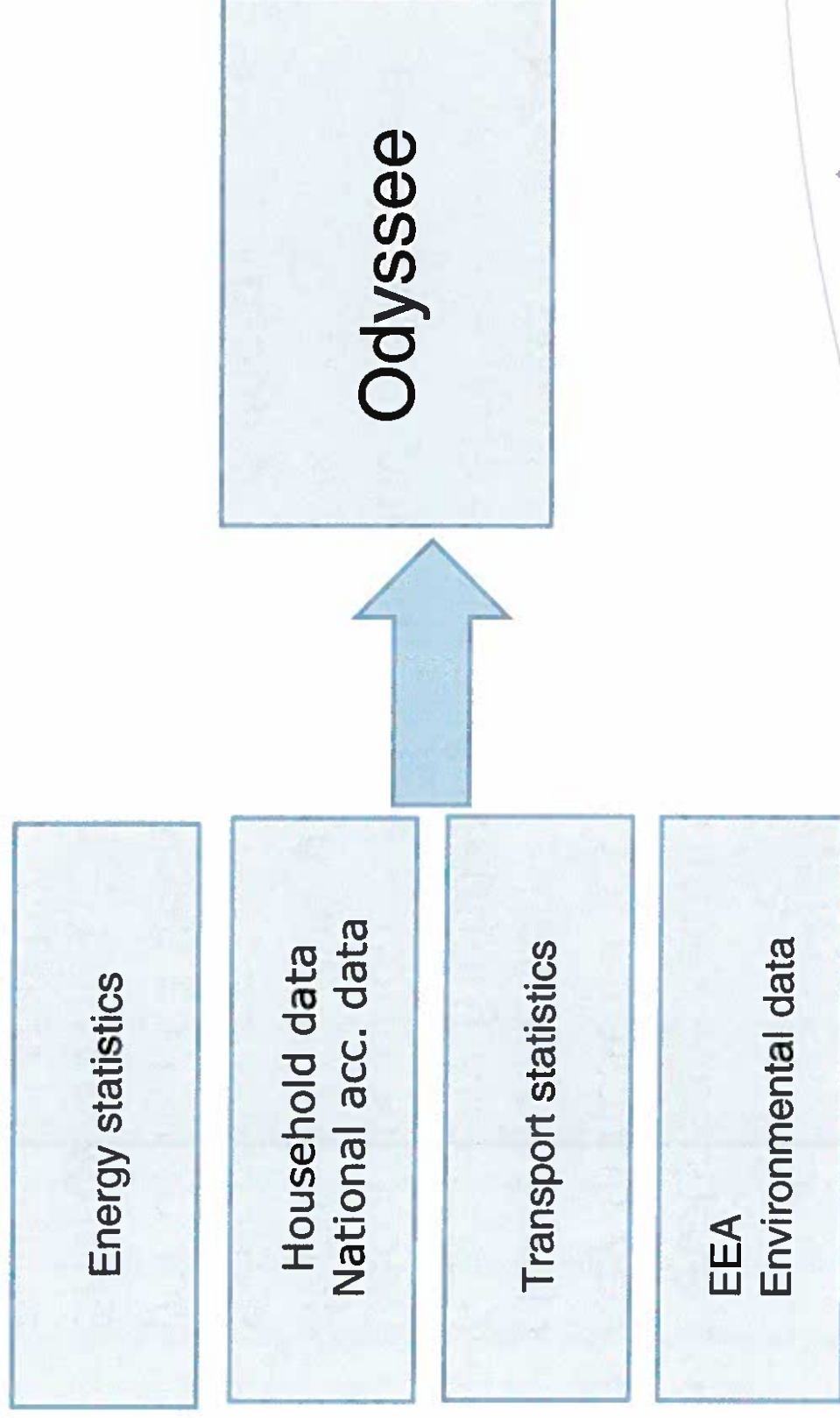


ODYSSEE database

www.odyssee-mure.eu

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STYRELSEN

Sources of the Odyssee



Tools in Odyssee

- Database – requires login
- Key indicators – energy intensity
- Market diffusion – diffusion of RE-technologies (cars, env.friendly appliances etc.)
- Decomposition – factors behind increase and decrease in energy consumption
- Benchmarking – comparison of energy performance between countries
- Energy Saving – back in time, potentials and political targets

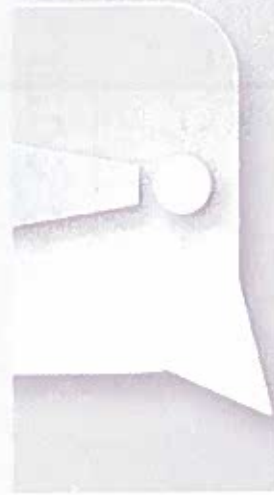
Case: Benchmark

- **Benchmark or target indicators, that indicates for a given country the gap between the actual values of some indicators and benchmark/target values.** They are calculated for each country with the countries characteristics and the energy performance of “target countries” (e.g. the best EU performance) or benchmark values. **The gap between the observed value for a given indicator and the target/ benchmark value can show a feasible potential of energy efficiency improvement.**

www.odyssee-mure.eu

WELCOME TO THE ODYSSEE MURE PROJECT

This project gathers representatives from the 28 EU Member States plus Norway. It aims at monitoring energy efficiency trends and measures in Europe, using on two complementary internet databases: **ODYSSEE** on energy efficiency / CO₂ indicators, including detailed data on energy consumption, activities and related CO₂-emissions (around 1000 data series by country) and **MURE** on energy efficiency policy measures, including their impact (around 2000 measures).



LATEST NEWS

03 October 2014

Third project workshop on energy efficiency focusing on transport, in Croatia hosted by EIHP.

Presentations available [here](#).



LATEST PUBLICATION

Key Messages on Energy Efficiency in EU

In this document you will find the key messages on energy efficiency trends and policies by sector (overall, industry, transport, households).



REGISTER TO THE NEWSLETTER

Sign-up to our newsletter to stay informed of our recent activities relating to the ODYSSEE-MURE project.

[Register](#)

Latest newsletter: January 2015

ODYSSEE-MURE

Overview Data Tools Publications News Contact



- Database
- Key Indicators
- Market diffusion
- Decomposition
- Benchmarking**
- Energy Saving
- Scoreboard

Country:
The objective of this tool is to enable any country to compare easily its energy performance with selected countries by sector and end-uses if available.

Comparison country:
How to use it:
• Select first a country,
• Choose the comparison countries (multi-selection available)
• Then select the sector, the indicator and the type of adjustment.

Sector:

By default the tool enables to visualise the last year available for all the countries that are chosen.

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Country:

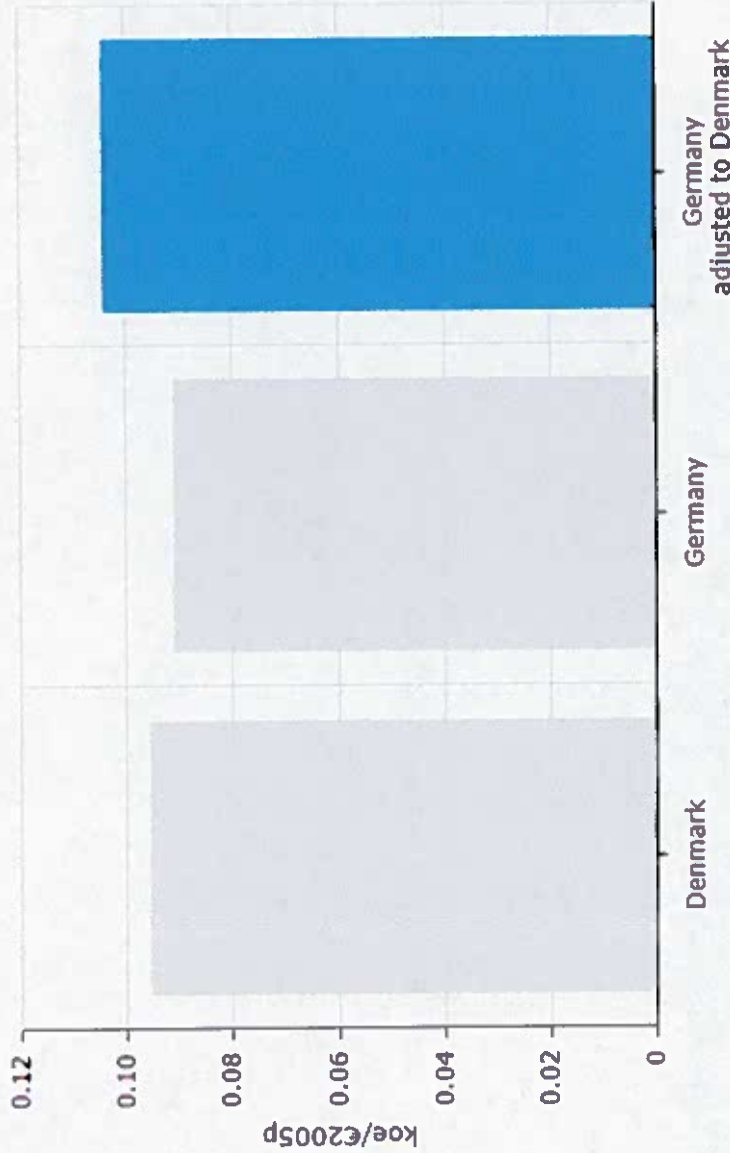
Comparison country:

Sector:

Indicators:

Adjustment:

Final energy intensity adjusted to GDP structure (2012)



Final energy intensity of Germany adjusted to the GDP structure of Denmark. It shows what would be the final energy intensity of Germany with the sectoral intensities of Denmark.

Country

Comparison countries

Denmark

Germany

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Database

Key Indicators

Market diffusion

Decomposition

Benchmarking

Energy Saving

Scoreboard

Country: Denmark

Comparison country: Finland

Sector: Macro

Indicators: Final intensity

Adjustment: GDP structure

Final energy intensity adjusted to GDP structure (2012)



Final energy intensity of Germany and Finland adjusted to the GDP structure of Denmark. It shows what would be the final energy intensity of Germany and Finland with the sectoral intensities of Denmark.

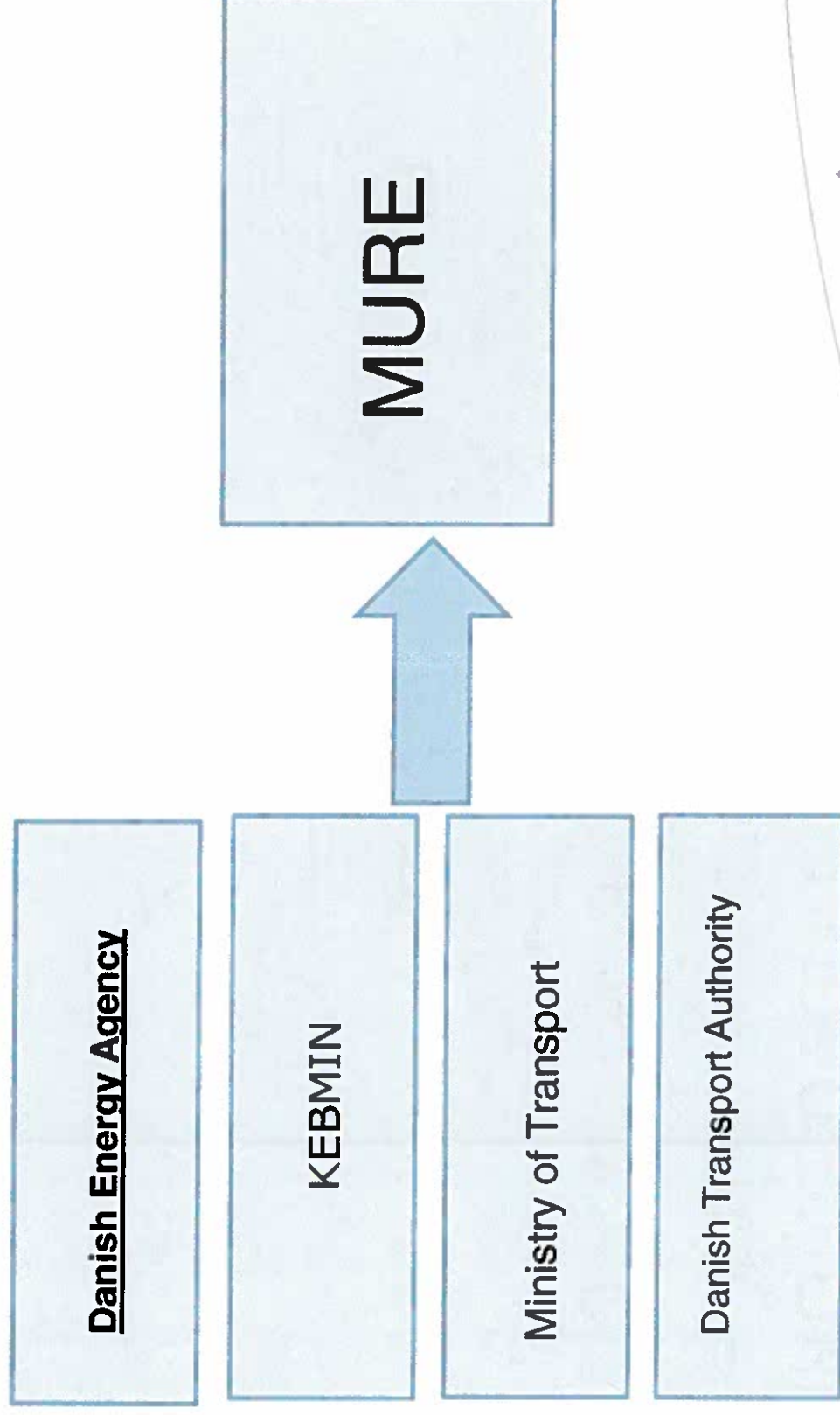
- Country
- ✘ Denmark

- Comparison countries
- ✘ Germany
- ✘ Finland

MURE

www.odyssee-mure.eu

MURE-databasen sources



MURE overview

HOUSEHOLD TERTIARY INDUSTRY TRANSPORT GENERAL ALL SECTORS

Search by text on measure type, title, reference
Search by text on measure description (PDF)

Mure II Database - Query - Household - Select your options and push the button Query

Country
- Countries
+ European Union

Measure type
- Co-operative Measure
+ Cross-cutting with sector-specific characteristics
+ Financial
+ Fiscal/Tariffs
- Information/Education
+ Legislative/Incentive
+ Legislative/Normative

Targeted end-use
- Appliances
+ Cooking
- Hot water
+ Lighting
+ Other targeted uses
- Space cooling
+ Space heating
- Total electric cons.
+ Total final cons.
- Total fuel cons.

Query MURE Options

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Tools in MURE

Policies facilities:

- By topic
- Successful policies
- Policy Interaction
- Policy Mapper
- Policy Scoreboard

By topic

Policies by Topics

Select the Topic from the list beside

Measures on SMEs

Include completed measures

	(Tertiary)	(Industry)	(Transport)	Total Measures
Austria	7	1	0	8
Belgium	1	5	0	6
Bulgaria	0	14	1	15
Croatia	5	8	0	13
Cyprus	1	3	0	4
Czech Republic	0	6	0	6
Denmark	1	3	0	4
Estonia	5	12	0	17
European Union	3	5	0	8
Finland	9	9	0	18
France	1	4	0	5
Germany	20	28	0	48
Greece	7	1	0	8
Hungary	0	9	0	9
Ireland	14	7	0	21
Italy	0	0	0	0
Lithuania	8	7	0	15
Luxembourg	0	5	0	5
Latvia	2	3	0	5
Malta	7	2	0	9
Netherlands	11	15	0	26
Norway	6	17	0	23
Poland	1	2	0	3
Portugal	0	2	0	2
Romania	0	3	0	3
Slovakia	4	7	0	11
Slovenia	1	6	0	7
Spain	7	8	0	15
Sweden	1	5	0	6
Switzerland	0	0	0	0
United Kingdom	7	4	0	11
Total	117	204	1	322

Successful measures

[Home](#) | [Query](#) | [Radar Graphs](#) | [Summary Tables](#) | [Topics Areas](#) | [Successful Measures](#) | [Policies Interaction](#) | [Policy Mapper](#) | [Policy Scoreboard](#)

ODYSSEE-MURE

Navigation Methodology Scoring

Criteria: High impact / High number of applicants

Sector: Household

Targeted End-Use: Appliances

Average score by country

No. measures by country and score

12 Measures Found



Policy interaction

HOUSEHOLD
INDUSTRY
TRANSPORT

Select the country, the targeted end-use class, then click on the button Submit to calculate the energy saving of the measures package

Denmark [Open Guidance](#)

Code	Measure Title	Type group	Qualitative Impact	Est. Saving (tE)	% of Saving
H01-DK32	EU-related Energy Performance of Buildings EPBD Recast (Directive 2010/31/EU) - Energy Labeling of Buildings	Leg-sorted/selected	High	1,317	0,70%
H01-DK9	EU-related Energy Performance of Buildings EPBD Recast (Directive 2010/31/EU) - Building regulations	Leg-sorted/selected	High	1,317	0,70%
H01-DK37	Strategy for energy renovation	Leg-sorted/selected	High	1,317	0,70%
H01-DK36	Information effort for energy efficiency regarding end-user (separetemp, etc.)	Inform/selected (center, etc.)	Low	0,188	0,10%
H01-DK34	Knowledge centre for energy savings in buildings	Inform/selected (center, etc.)	Low	0,188	0,10%
H01-DK40	Better Homes	Inform/selected (center, etc.)	Low	0,188	0,10%
H01-DK22	Carbon Dioxide tax	Cross-cutting/phase	Low	0,188	0,10%

Identify the impact values and click the button Calculation to make your own evaluation. Click the button Reset to restore the default values.
 Some measures may be related to more than one type group. In this case you can select the one of primary importance from the related list box.

Click on the button below to view and/or modify the measure type group interaction matrix.

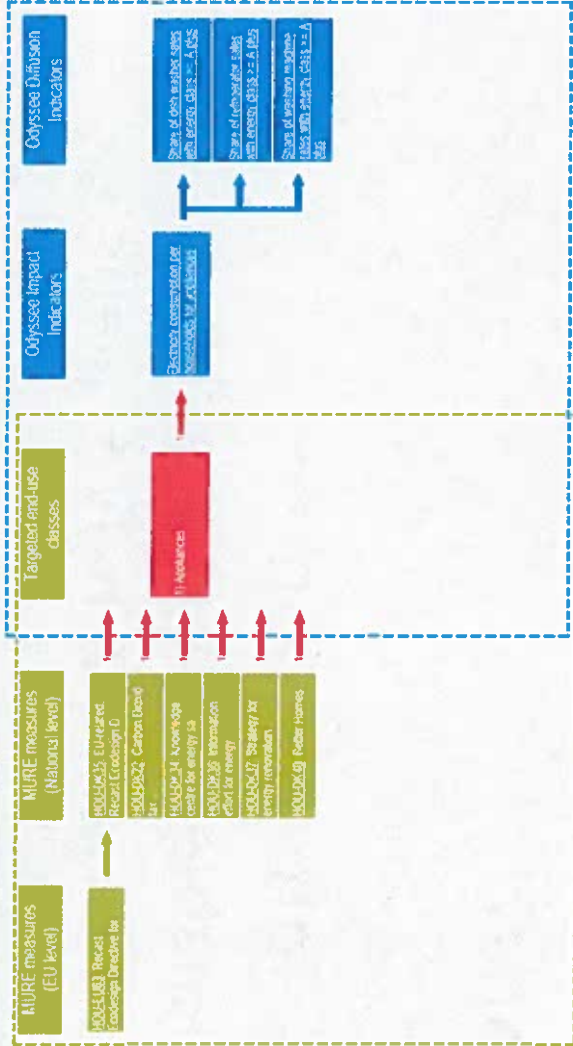
[Type Group Interaction Matrix](#)

Click on the button below to select the measures to be included in the calculation.

Policy mapper



Policy Mapper - Household - Denmark



↑ MURE

↑ ODYSSEE

Thank you for your attention

- Questions?
- Contact information
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