



Institut "Jožef Stefan"
Center za energetska učinkovitost

Fouad Al Mansour
Matjaž Česen

Projekt ODYSSEE MURE

Number — 847082

ODYSSEE-MURE



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



Seminar:

»Najprej energetska
učinkovitost«

RCP-IJS, Ljubljana
29.11. 2021

Projekt: ODYSSEE MURE



Institut "Jožef Stefan"
Center za energetske učinkovitost

**Monitoring EU energy efficiency first principle
and policy implementation**

***Spremljanje principa energetske učinkovitost
najprej ter izvajanja ukrepov in usmeritev***

Trajanje: 30 mesecev
(01.06.2019 - 30.11.2021)

Št. partnerjev: 36 iz 31 držav
(EU27 + Švica, Srbija, Norveška in Združenega
kraljestva)

- Energy Efficiency Indicators for Eastern and Central Europe Countries (CEEC), 2003
- Evaluation and monitoring of energy efficiency in the new EU member countries and EU 25 (EEE-NMC), 2005
- Odyssee Mure EU 27-Monitoring of Energy Demand Trends and Energy Efficiency in the EU 27, 2009
- Odyssee Mure 2012-Monitoring of energy efficiency in Europe/**Spremljanje energetske učinkovitosti v EU**, 2013 - 2015
- *ODYSSEE MURE, a decision support tool for energy efficiency policy evaluation*/**Orodje za podporo pri odločanju vrednotenja politike energetske učinkovitosti**, 2016-2018
- **ODYSSEE MURE, Monitoring EU energy efficiency first principle and policy implementation, 2019-2021/ Spremljanje principa energetske učinkovitost najprej ter izvajanja ukrepov in usmeritev**
- **???, 2022 (prijava, life)**

Cilj projekta **ODYSSEE-MURE** je podpreti oblikovalce politik v državah članicah EU pri izpolnjevanju njihovih obveznosti v okviru direktive EU o energetska učinkovitosti (EED). Zlasti zagotavlja uporabniku prijazne baze podatkov in spletna orodja za spremljanje in ocenjevanje vpliva politik energetske učinkovitosti.

Ta projekt temelji na dveh dopolnjujočih internetnih bazah podatkov, ki sta posodobljeni in izboljšani v času trajanja projekta:

- **ODYSSEE:** podatkovna baza o energetska učinkovitosti / CO₂ kazalnikov s podatki o trendih porabe energije, gonilnikih za rabo energije in emisijah CO₂,
- **MURE:** baza podatkov o politiki in ukrepih za energetska učinkovitost, vključno z njihovo oceno učinka.

Vstopna spletna stran projekta Odyssee Mure

<http://www.odyssee-mure.eu/>

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](#)

UPCOMING WEBINAR

 30 NOVEMBER 2021
14:00-15:00 CET

[REGISTER](#)



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](#)

LATEST NEWS

 30 NOVEMBER 2021

On November 30th the Odyssee-Mure project will host a live webinar:
"Recent energy efficiency trends in the EU" (by L. Sudries and B. Lapillonne, Enerdata).

 28 SEPTEMBER 2021

3 webinars have recently taken place:

- **28 September:** Energy Sufficiency Indicators and Policies

- **4 October:** Energy efficiency, structural change and energy services

KEY PUBLICATIONS

Vstopna stran podatkovne baze

ODYSSEE

ODYSSEE-MURE

[Overview](#)

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[Q&A](#)

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ODYSSEE PROJECT

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 scoreboard. The access to the data base is restricted, whereas all other data tools are in public access.

ODYSSEE DATABASE



KEY INDICATORS



**MARKET
DIFFUSION**



DECOMPOSITION



COMPARISON



ENERGY SAVING



**ENERGY
EFFICIENCY
SCOREBOARD**



Podatkovna baza ODYSSEE



ODYSSEE DATABASE

The Odyssee database contains detailed energy consumption by end-use and their drivers as well as energy efficiency and CO₂ related indicators. Latest available data is providing by national representatives, such as energy agencies or statistical organization, from all EU countries as well as Norway, Serbia, Switzerland and the United Kingdom.

Odyssee data and indicators are available through a friendly interface enabling advanced analysis, with the results of queries provided in tables and/or graphs and with the possibility to change units.

Apart from the full database, five data tools have been developed to monitor progress in the market penetration of a selection of energy efficient technologies and practices, to identify the drivers responsible for the variation of energy consumption, to compare and benchmark the energy efficiency of performance of countries.

The access is free for all EU Ministries, Concerted Action EED, EED Committee Members and EU universities and research centres for non-commercial uses and via subscription for other users.



FREE ACCESS

[LOGIN](#)

[SIGN UP](#)

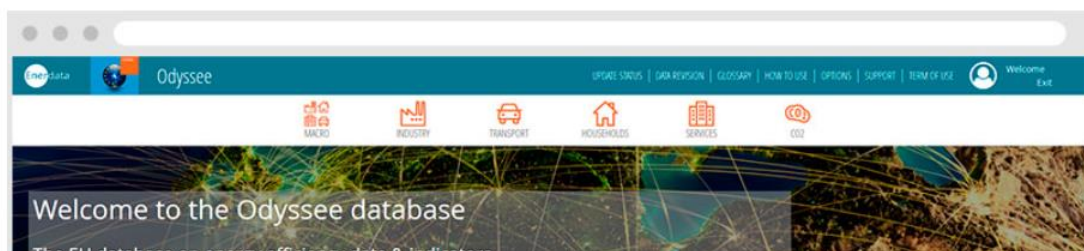


SUBSCRIPTION TO THE DATABASE

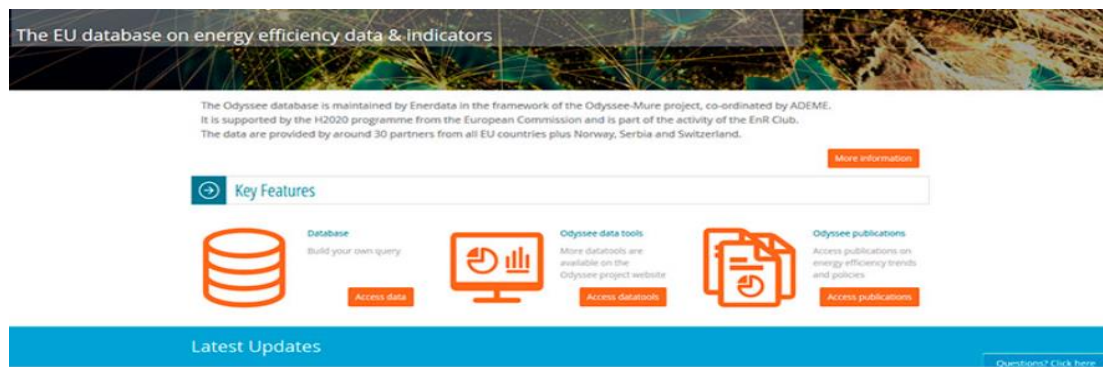
[TRIAL VERSION](#)

[CONTACT US](#)

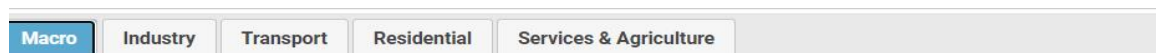
Web interface:



Podatkovna baza ODYSSEE



Database content:



Macro Sectors

- Total
- Industry
- Transport
- Residential-Tertiary-Agriculture

Macro Economic Data

- Primary consumption
- Final consumption
- Demography
- GDP, Value added

Macro Energy Efficiency Indicators

- Primary energy intensity
- Final energy intensity
- Energy efficiency index
- CO₂ emissions



DOWNLOAD BROCHURE

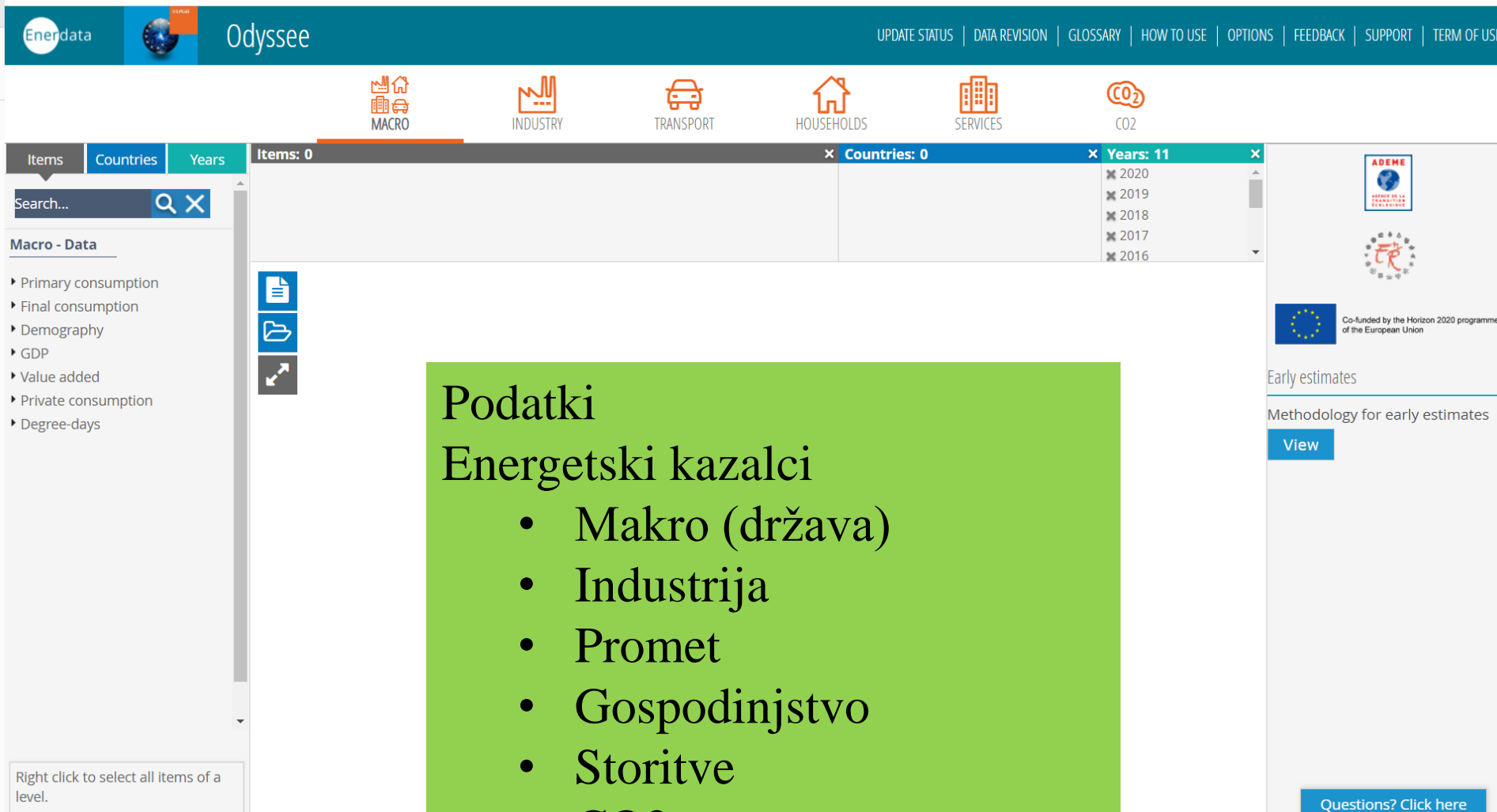
Contact us for more details on the subscription:

E-mail us

T: +33 4 76 42 25 46

F: +33 4 76 51 61 45

Podatkovna baza ODYSSEE: Podatkovna stran





The screenshot shows the ODYSSEE data portal interface. At the top, there is a teal header with the 'Enerdata' logo and 'Odyssee' text. Navigation links include 'UPDATE STATUS', 'DATA REVISION', 'GLOSSARY', 'HOW TO USE', 'OPTIONS', 'FEEDBACK', 'SUPPORT', and 'TERM OF USE'. Below the header, a row of icons represents different sectors: MACRO, INDUSTRY, TRANSPORT, HOUSEHOLDS, SERVICES, and CO2. The main content area has three tabs: 'Items', 'Countries', and 'Years'. The 'Items' tab is active, showing a search bar and a list of 'Macro - Data' items: Primary consumption, Final consumption, Demography, GDP, Value added, Private consumption, and Degree-days. On the right, there are filters for 'Countries: 0' and 'Years: 11' (2020, 2019, 2018, 2017, 2016). The right sidebar contains logos for ADEME, the European Union, and text about Horizon 2020 funding. It also includes links for 'Early estimates', 'Methodology for early estimates', and 'View'. A footer link says 'Questions? Click here'.







Podatki
Energetski kazalci

- Makro (država)
- Industrija
- Promet
- Gospodinjstvo
- Storitve
- CO2

Podatkovna baza ODYSSEE: Podatkovna stran

**Odyssee**

UPDATE STATUS | DATA REVISION | GLOSSARY | HOW TO USE | OPTIONS | FEEDBACK | SUPPORT | TERM OF USE

MACROINDUSTRYTRANSPORTHOUSEHOLDSSERVICESCO₂

Items

Countries

Years

Items: 0

Countries: 0

Years: 11

Search...

Macro - Indicators

- ▶ Energy efficiency index
- ▶ Energy savings
- ▶ Energy savings rate
- ▶ Primary energy intensity
- ▶ Final energy intensity
- ▶ CO₂ emissions
- ▶ GDP per capita
- ▶ Private consumption per household

Right click to select all items of a level.



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

Early estimates

Methodology for early estimates

View

Questions? Click here

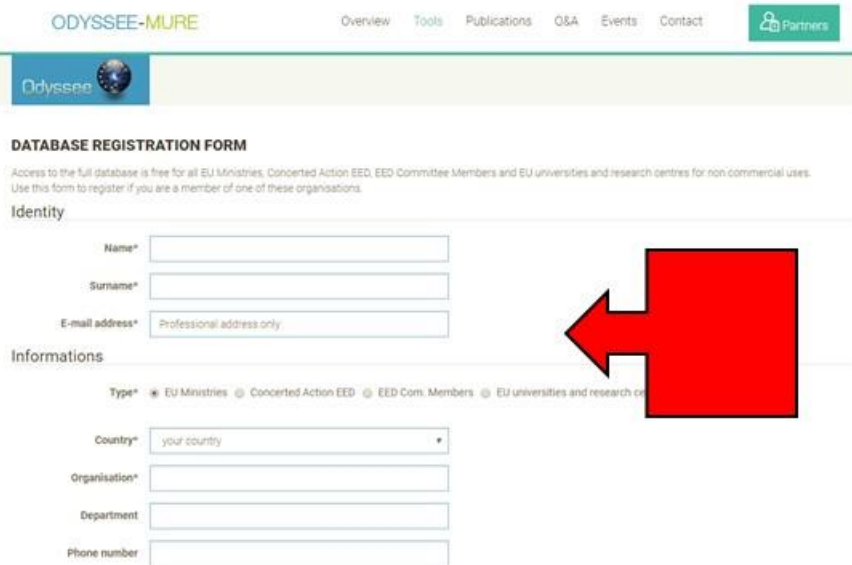
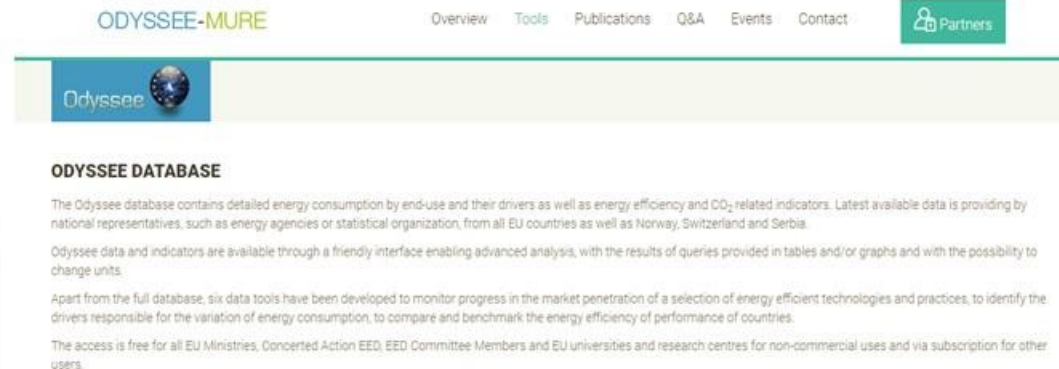
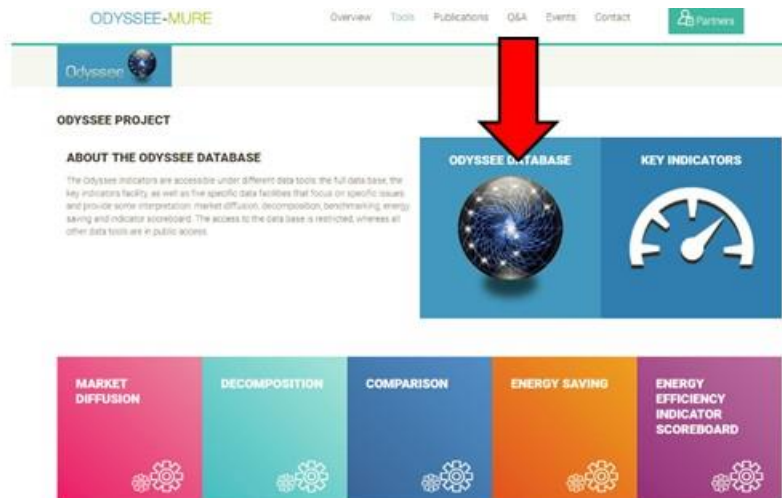
ODYSSEE DATABASE

Baza podatkov Odyssee vsebuje podrobno porabo energije s strani končnih porabnikov in kazalnike energetske učinkovitosti in CO₂.

Dostop je brezplačen za vsa ministrstva v EU, člane odbora EED in univerze v EU ter raziskovalne centre za nekomercialne namene in prek naročnine za druge uporabnike.

ODYSSEE

Prijava - dovoljenje



ODYSSEE-MURE

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Odyssee

DATABASE REGISTRATION FORM

Access to the full database is free for all EU Ministries, Concerted Action EED, EED Committee Members and EU universities and research centres for non-commercial uses. Use this form to register if you are a member of one of these organisations.

Identity

Name*

Surname*

E-mail address* Professional address only.

Informations

Type* ☒ EU Ministries ☐ Concerted Action EED ☐ EED Com. Members ☐ EU universities and research centres

Country* your country

Organisation*

Department

Phone number



* Mandatory fields

After filling in this registration form, you will receive by email an individual access code by Enerdata. This code is strictly personal and shall in no way be transmitted to a third party.

Submit

ODYSSEE

Prijava - dovoljenje

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DATABASE REGISTRATION FORM

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Identity

Name*

Surname*

E-mail address*

Professional address only

Informations

Type*



EU Ministries



Concerted Action EED



EED Com. Members



EU universities and research centres

Country*

your country



Organisation*

Department

Phone number

* Mandatory fields

After filling in this registration form, you will receive by email an individual access code by Enerdata. This code is strictly personal and shall in no way be transmitted to a third party.

Submit

Vstopna stran podatkovne baze

MURE



Institut "Jožef Stefan"
Center za energetska učinkovitost

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Partners



MURE PROJECT

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.

DATABASE QUERY



SUCCESSFUL
MEASURES



POLICY MAPPER



ENERGY
EFFICIENCY
SCOREBOARD



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



MURE (Mesures d'utilisation Rationnelle de l'Energie) Ukrepi racionalne rabe energije

- To je zbirka informacij o politikah in ukrepih za energetska učinkovitost v državah članicah EU, Norveški, Srbiji in Švici.
- Informacije so dostopne vsem po poizvedbi v bazi podatkov (**Database query**).
- Razvrščenost ukrepov po vrstah omogoča njihovo vizualizacijo z radarskim grafom.
- Nabor več orodij omogoča različne poizvedbe.
- Možnosti izvoza je zagotovljena

Podatkovnabaza MURE

Energy Efficiency Trends & Policies x Energy Efficiency Policies & Measures x Energy Efficiency Database | Data x Google Translate x

measures.odyssee-mure.eu/energy-efficiency-policies-database.html#/search

Aplikacije SankeyMATIC (BETA...) Google Prevajalnik الهيئة العامة للإذاعة (714) Al Mayadeen... الميادين | البث المباشر Facebook Avtorizacija - Aplikacija... Sentinel Hub T-2 tv2go Bralni seznam

ODYSSEE-MURE

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Database Radar graph Summary Table

more detail 48 measures found Export

Search :

Enter text to search in measures

Sector :

Household

Countries :

European Union x Slovenia x

Measure type :

Select...

Targeted end-use :

Select...

Search

Clear All

More options

By default only ongoing measures are selected. For visualizing completed and proposed measures, click on 'more options/status'

Country	Sector	Title
European Union	Household	Performance of Heat Generators for Space Heating/Hot Water (Directive 92/42/EEC)
European Union	Household	Minimum Energy Efficiency Requirements for Fluorescent Light Ballasts (2000/55/EC)
European Union	Household	Energy+ Procurement and Information Programme for Cooling Appliances
European Union	Household	Energy Labelling of Combined Washer Driers (96/60/EC)
European Union	Household	Reduction of energy requirements for buildings in the Community (79/167/ECSC)
European Union	Household	Negotiated Agreement EACEM for TVs and VCRs (stand-by mode and on-mode)
European Union	Household	1-Watt Stand-by Initiative
European Union	Household	Code of conduct EICTA (EACEM) Digital TV Services
European Union	Household	Code of Conduct EICTA (EACEM) External Power Supplies (stand-by losses)
European Union	Household	Negotiated Agreement EICTA (EACEM) Audio-Equipment (stand-by mode)
European Union	Household	Negotiated Agreement EACEM for VCRs (stand-by mode and on-mode)
European Union	Household	Rational Use of Energy by Promoting the Thermal Insulation of Buildings (76/492/EEC)
European Union	Household	EICTA Self-Commitment to improve the energy performance of CRT and flat LCD televisions and stand by mode for DVD players
European Union	Household	Energy Performance of Buildings EPBD Recast (Directive 2010/31/EU)
European Union	Household	Recast Ecodesign Directive for Energy-related Products (Directive 2009/125/EC)
European Union	Household	Community framework for the taxation of energy products and electricity (Directive 2003/96/EC)
European Union	Household	Ecodesign requirements for electric motors (640/2009/EC)
European Union	Household	Ecodesign requirements for household refrigerating appliances (643/2009/EC)
European Union	Household	Ecodesign requirements for TVs (642/2009/EC)
European Union	Household	Ecodesign requirements for glandless standalone circulators and glandless circulators integrated in products (641/2009/EC)
European Union	Household	Ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies (278/2009/EC)
European Union	Household	Ecodesign for simple set-top-boxes (107/2009/EC)
European Union	Household	Ecodesign for standby and off-mode losses (EC/1275/2008)
European Union	Household	Ecodesign for washing machines (1015/2010/EU)
European Union	Household	Energy labelling of air conditioners (3New EU Energy Label)
European Union	Household	Ecodesign for dishwashers
European Union	Household	Revised Ecodesign Directive for Energy-related Products
European Union	Household	Revised Directive for Labelling of Energy-related Products (2017/1369/EU)
European Union	Household	Recast Energy Labelling Office Equipment (Energy Star)
European Union	Household	Smart Metering based on the EU Directive for the internal electricity market 2009/72/EC (Smart Metering basierend auf EU-Richtlinie für den Elektrizitätsbinnenmarkt 2009/72/EG)

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Podatkovna baza MURE

Energy Efficiency Trends & Policies x Energy Efficiency Policies & Measures x Energy Efficiency Database | Data x Google Translate x

measures.odyssee-mure.eu/energy-efficiency-policies-database.html#/search

Aplikacije SankeyMATIC (BETA...) Google Prevajalnik الهيئة العامة للإذاعة... (714) Al Mayadeen... الميادين | البث المباشر Facebook Avtorizacija - Aplikacija... Sentinel Hub T-2 tv2go Bralni seznam

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 MURE II

Database

Radars graph

Summary Table

more detail

Targeted end-use:

Select...

Search


Clear All

More options

By default only ongoing measures are selected. For visualizing completed and proposed measures, click on 'more options/status'

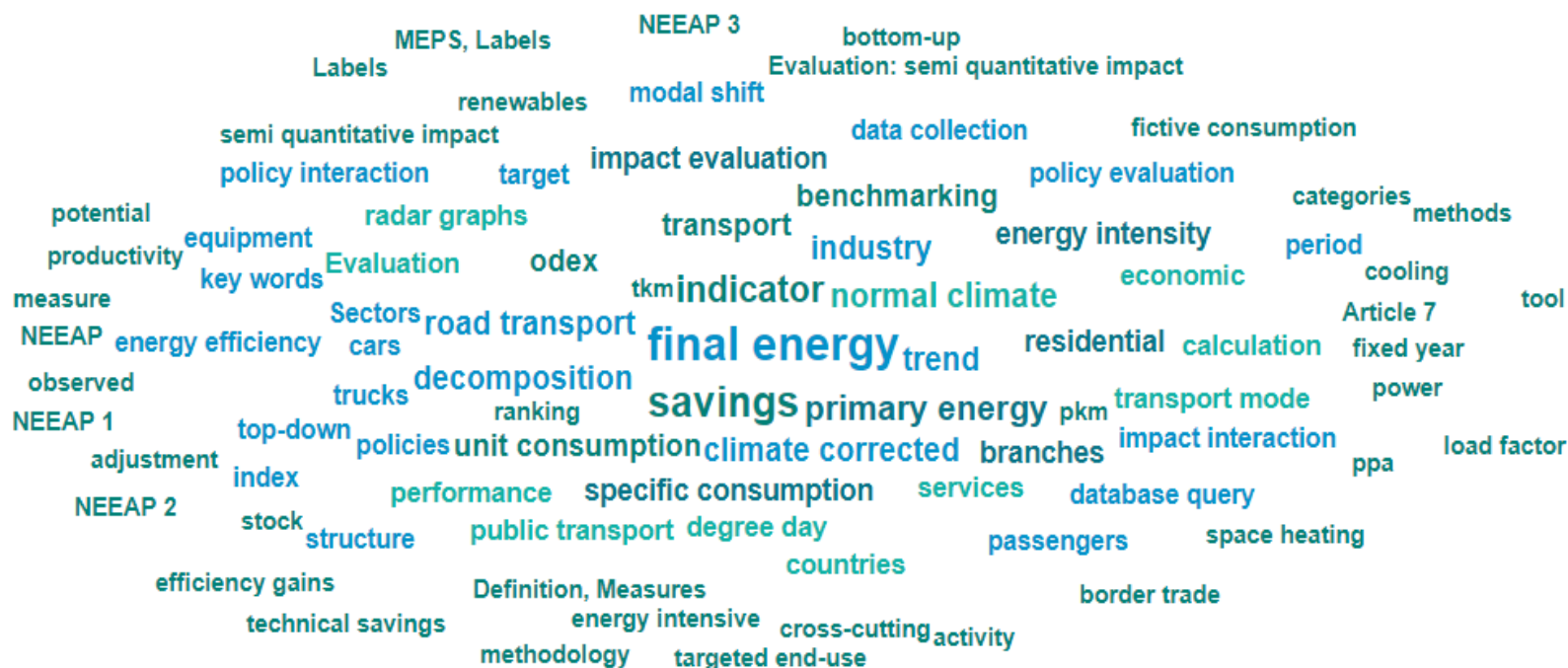
European Union	Household	Negotiated Agreement EACEM for VCRs (stand-by mode and on-mode)	
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European Union	Household	EICTA Self-Commitment to improve the energy performance of CRT and flat LCD televisions and stand by mode for DVD players	
European Union	Household	Energy Performance of Buildings EPBD Recast (Directive 2010/31/EU)	Ye
European Union	Household	Recast Ecodesign Directive for Energy-related Products (Directive 2009/125/EC)	Ye
European Union	Household	Community framework for the taxation of energy products and electricity (Directive 2003/96/EC)	Ye
European Union	Household	Ecodesign requirements for electric motors (640/2009/EC)	Ye
European Union	Household	Ecodesign requirements for household refrigerating appliances (643/2009/EC)	Ye
European Union	Household	Ecodesign requirements for TVs (642/2009/EC)	Ye
European Union	Household	Ecodesign requirements for glandless standalone circulators and glandless circulators integrated in products (641/2009/EC)	Ye
European Union	Household	Ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies (278/2009/EC)	Ye
European Union	Household	Ecodesign for simple set-top-boxes (107/2009/EC)	Ni
European Union	Household	Ecodesign for standby and off-mode losses (EC/1275/2008)	Ye
European Union	Household	Ecodesign for washing machines (1015/2010/EU)	Ye
European Union	Household	Energy labelling of air conditioners (3New EU Energy Label)	Ni
European Union	Household	Ecodesign for dishwashers	Ni
European Union	Household	Revised Ecodesign Directive for Energy-related Products	Ye
European Union	Household	Revised Directive for Labelling of Energy-related Products (2017/1369/EU)	Ye
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European Union	Household	Smart Metering based on the EU Directive for the internal electricity market 2009/72/EC (Smart Metering basierend auf EU-Richtlinie für den Elektrizitätsbinnenmarkt 2009/72/EG)	Ye

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Vprašanja in odgovori za boljše razumevanje podatkovnih zbirk

Click on keywords displayed in the tag cloud below to see the questions or select your question in the top menu

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SECTORAL PROFILE - INDUSTRY

[OVERVIEW](#)[TRANSPORT](#)[INDUSTRY](#)[HOUSEHOLDS](#)[SERVICES](#)

Energy consumption

[Overall trend \(EU\)](#)[Fuel mix \(EU\)](#)[Industry share in consumption](#)[Total by branch \(EU\)](#)[Electricity by branch \(EU\)](#)

Specific consumption

Energy efficiency and savings

Structural changes

Decomposition of energy consumption

CO₂ emissions

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Last update November 2021

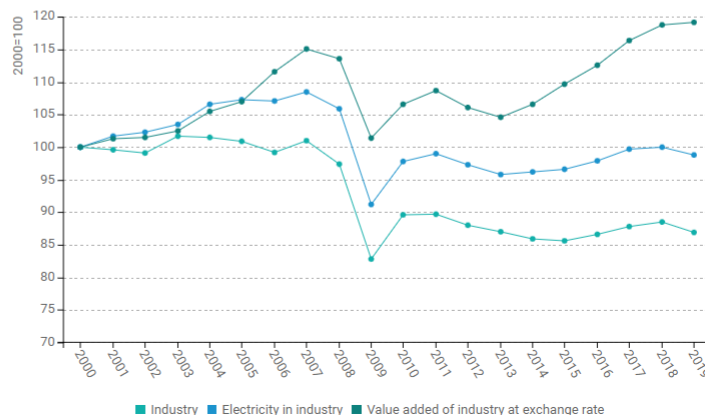
EU refers to the EU27

ENERGY CONSUMPTION TRENDS IN EU

Decrease of industrial consumption between 2003 and 2015. Increasing trends since then.

- The energy consumption of industry decreased between 2003 and 2015, although there was growth in industrial activity from 2003 to 2007 and after 2013. However, it rose between 2015 and 2018, following a strong growth in industry activity; it decreased again in 2019 due to a slowdown in industrial growth.
- Between 2007 and 2015, electricity followed the same declining trend as total consumption, while it was increasing regularly before. Since 2015, it has been following the same trend as total energy consumption.
- In 2019, industry energy consumption is around 13% lower than in 2000.

Energy consumption and activity in industry (2000 = 100)



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Hvala za pozornost.