Enerdata
Global energy Intelligence

Odyssee

European Energy Efficiency Database

For nearly two decades, the Odyssee project has provided valuable and detailed energy efficiency indicators and has become a leading reference database monitoring detailed energy consumption and assessing the energy-efficiency performance of European Union member countries.

Odyssee's unique collection of historical-based data enables a review and benchmark of each EU member's progress in energy efficiency improvement and an access to information by sector, end-use, and impact on CO2 emissions reduction.

ODYSSEE project members:

Enerdata
Global energy intelligence

Association of European Energy Efficiency Agency

Intelligent Energy Europe
European Commission Intelligent Energy Executive Agency

Service Overview

KEY FEATURES

- Online access
- NEW! 2009 data
- Annual time series beginning in 1980
- Detailed energy consumption data by sector & end-use
- C02 emissions (direct and indirect)
- Numerous indicators for energy efficiency and CO2
- NEW! Advanced data request & analysis interface
- EU 27 countries + Norway and Croatia

KEY BENEFITS

- Unique database
- Exclusive and official data from governmental bodies
- Wealth of information available at a glance
- Consistent data for easy benchmark
- No rupture in time series for easier modelling work

NEW ONLINE DATA REQUEST SOFTWARE

A new online interface has been developed to enhance data query and analysis, providing an easier and friendlier data tool enabling advanced analysis.

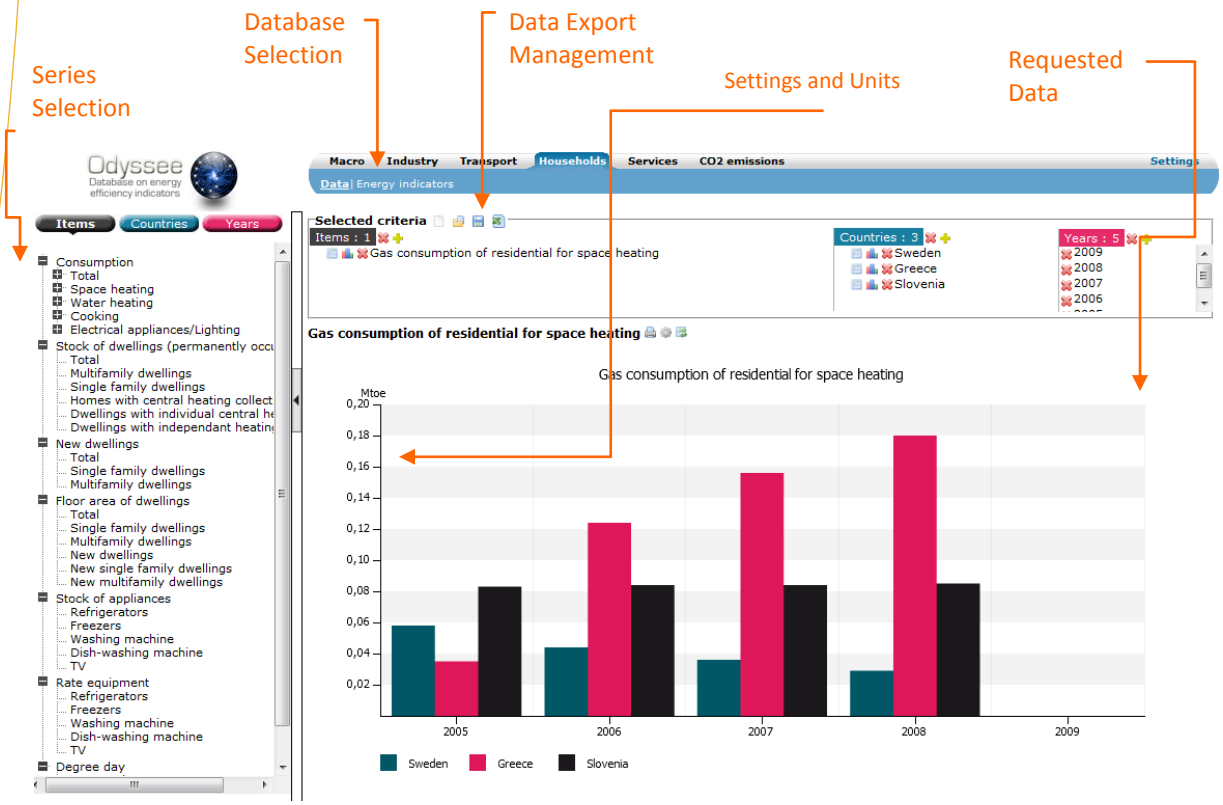
Key features of the interface:

- Service available in both French and English
- Results provided in tabs and/or graphs
- Choice of energy & physical units

COMPILED DATA SOURCES

More than 150 sources are compiled by the European Commission and 26 national Efficiency Agencies within the European network of energy efficiency agencies. The data sources include government ministries, statistical institutions, industry & transport associations, and research institutes. The details of data sources compiled by country are available on:

www.odyssee-indicators.org/database/odyssee_sources.php



ODEX METHODOLOGY

A top-down indicator to capture energy savings in Europe

- The Odyssee project has developed an index to measure energy efficiency progress by country, by sector, and for all final consumers.
- ODEX by sector combines unit consumption indices by sub-sector (or end-use or mode of transport), into one index for the sector by weighing each sub-sector index by its share in the sector's energy consumption
- Unit consumption index by sub-sector can use different physical units so as to be as close as possible to energy efficiency evaluation : toe/ m2, kWh/appliance, toe/ton, litre/100km

  ODEX is presently calculated on the basis of 26 sub-sectors (7 modes in transport, 9 end -uses/equipment for households, 10 branches in industry)
- ODEX can also be expressed in terms of volume of energy savings

WHO NEEDS THE ODYSSEE DATABASE?

ORGANISATIONS

- GOVERNMENTAL BODIES
- UNIVERSITIES AND RESEARCH CENTRES
- OIL & GAS COMPANIES AND UTILITIES
- ENERGY EQUIPMENT MANUFACTURERS
- CONSULTING FIRMS

USERS

- STRATEGY
- MARKETING
- ECONOMIC STUDIES
- BUSINESS DEVELOPMENT/ PLANNING
- CONSULTANTS
- PROFESSORS/ LIBRARIES

WHY SUBSCRIBE?

- Exclusive content
- Over 150 sources compiled
- Annual data from 1980 to 2009
- Unique indicators for energy efficiency and CO2 Data
- EU 27 countries plus Norway and Croatia
- 24/7 access

UNIQUE DATA COVERAGE

	MACRO	INDUSTRY	TRANSPORT	RESIDENTIAL	SERVICES/ AGRICULTURE

BRANCHES/ SECTORS/ END USE	- Total
	- Industry
	- Transport
	- Residential-Tertiary-Agriculture
		Chemical industry
		- Primary metals
		  - Steel
		  - Non ferrous
		- Non metallic mineral
		  - Cement
		  - Glass
		- Paper & Printing
		- Food & beverages
		- Textile
		- Machinery & Fabricated metals
		- Transport equipment
		- Wood
		- Mining
		- Construction
		- Misc. Industries
			4 Transport modes:
			- Road
			- Rail
			- Water
			- Air
			6 Road vehicles types:
			- Cars
			- Two-wheels
			- Bus
			- Trucks & light vehicles
			- Light vehicles
			- Trucks
				4 end-uses:
				- Space heating
				- Water heating
				- Cooking
				- Electrical appliances
				5 Appliances:
				- Refrigerators
				- Freezers
				- Washing machine
				- Dish washers
				- TV
					7 branches:
					- Hotels & Restaurants
					- Health
					- Education
					- Administration
					- Wholesale & retail trade
					- Private offices
					- Agriculture

THECNICAL & ECONOMIC DATA	- Primary consumption - Final consumption - Demography - GDP, Value added	- Energy consumption by branch - Production index by branch - Value added by branch - Physical production for intensive products	- Energy consumption by fuel and by mode - Stock of vehicles by fuel - Registrations by type of vehicle - Traffic by mode - Annual distance travelled by type of vehicle	- Energy consumption - Stock of dwellings - New dwellings - Floor area of dwelling - Stock of appliances - Equipment rate - Degree day	- Energy consumption - Value added - Floor area - Employment
ENERGY EFFICIENCY INDICATORS	- Primary energy intensity - Final energy intensity - Energy efficiency index - CO2 emissions - CO2 intensity	- Energy efficiency Index - Energy intensity by branch - Energy intensity at adjusted structure - Specific consumption by intensive products (toe/ton) - CO2 intensity by sector	- Energy efficiency index - Specific consumption by vehicle, in liters / 100km - Specific emissions of CO2 by mode and vehicle	- Energy efficiency index - Specific consumption by dwelling, end uses and by equipment - Specific emissions of C02 - CO2 indicators	- Energy intensity - Electric intensity - Specific consumption per employee, floor area - CO2 emissions

Data Partners

The European Commission and the 26 national Efficiency Agencies within the European network of energy efficiency agencies (« EnR »), are data partners participating actively in the data collection process.

European Commission (DG TREN/EIE)
EnR
ADEME, France
AEA, Austria
ECONOTEC, Belgium
DEA, Denmark
MOTIVA, Finland
FHG-ISI, Germany
CRES, Greece
SEI, Ireland
ENEA, Italy
ECN, The Netherlands
IFE, Norway
ADENE, Portugal
IDAE, Spain
STEM, Sweden
ISIS, Italy
AEAT, United Kingdom
CIE, Cyprus
CEA, Czech Republic
TUT, Estonia
ENCEN, Hungary
IPE, Latvia
ENA, Lithuania
MRA, Malta
KAPE & Statistical office, Poland
SEA , Slovakia
Institut JOSEF STEFAN, Slovenia
EEA, Bulgaria
ICEMENERG and ARCE, Romania
EIHP, Croatia

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About Enerdata

Enerdata is an independent information and consulting company specialising in the energy sector. Enerdata experts and analysts have incomparable experience in the analysis of energy markets and issues of the energy industry at a global level. Enerdata has been developing and maintaining powerful data & research services for more than 25 years.

Other information services available:

Global Energy Data
Supply, demand & prices for all energies by sector and GHG emissions in 184 countries since 1970

Global Energy Research
110 country reports providing a comprehensive view of the local energy landscape

EnerFuture
Forecast of demand & prices for all energies and CO2 emissions by sector to 2030 as well as power mix by fuel

EnerFuture MACCs
CO2 Marginal Abatement Cost Curves

European Utilities Watch
A competitive benchmark of all major European utilities

Power Plant Tracker
Accurate and continuously updated overview of the power capacity in each country, by technology and by company.

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