



*Monitoring of Energy Demand Trends and Energy
Efficiency in the EU
Kick-off Meeting
Cork, October 11-12 2007*

ODYSSEE-MURE Main Features

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A D E M E



The ODYSSEE –MURE recent experience

ODYSSEE-MURE EU-15 (Dec 2009)

- A brochure « Evaluation of energy efficiency in the EU-15 : indicators and measures »

ODYSSEE-MURE EU-10 + Bulgaria (June 2008)

- A brochure (to be printed) Energy efficiency in the NMC's : trends and policies

ODYSSEE in other countries

- National reports (Croatia, Romania, Tunisia, Turkey)

A D E M E



The regular « ODYSSEE-MURE clients »

☛ In addition to the ODYSSEE network, the ODYSSEE-MURE data bases are regularly used through exchange of data scenario by the following organisms :

- IEEA : EEMES
- DG TREN : EMOS data base, EE potential assessment
- DG ENV : climate change task force, list of CO2 indicators
- DG RECH : JRC Ispra (SRS data base)
- EUROSTAT: list of EE indicators
- EEA: Term project
- IEA : EE indicators
- ENR club
- WEC
- Romania, Croatia, Serbia, Turkey, Tunisia



A particular effort of dissemination

- ☛ 1: **Dissemination seminars** : general, regional, national (e.g. in 2007 Czech Rep, Slovakia, Poland and Bulgaria)
- ☛ 2: **Reports** (comparison, 29 national reports) and 2 brochures
- ☛ 3: **Internet dissemination:**
 - www.odyssee-indicators.org with all the reports and brochures from the project, a selection of indicators, the country and sectoral profiles;
 - web site on policy measures www.mure2.com
- ☛ 4: **Internet Newsletters** (6 issues)
- ☛ 5: **CD-ROMs**; one presenting the data and indicators for the EU-25, as a whole, the EU-15 and the 10 countries;
- ☛ 6: **Others** : articles, participation to committees, conferences, Enr club etc.



Originality of ODYSSEE data base

- Unique data bases by its comprehensive content (about 200 EE and CO2 indicators) and time coverage (1970 - 2004)
- **Interpretation of indicators trends** : important component of the project ; this justifies the involvement of national agencies → not a project on statistics
- **Large set of indicators** to address the various definition of energy efficiency
- **Interpretation is enriched by comparing different indicators for a given sector** (eg energy versus CO2, various indicators for cars or for industry)



Originality of MURE data base

- ☞ Full qualitative and quantitative overview of energy efficiency policies and measures (and distributed renewable policies) in every EU-Member State (existing and forthcoming)
- ☞ Information on the impact of the measures
- ☞ Memory function“ for measures and their impact
- ☞ Internet-based database: accessibility
- ☞ MURE Network: Interaction EU and Member States.
- ☞ Data collection and data analysis in a „Shared“ way with harmonisation and quality check .



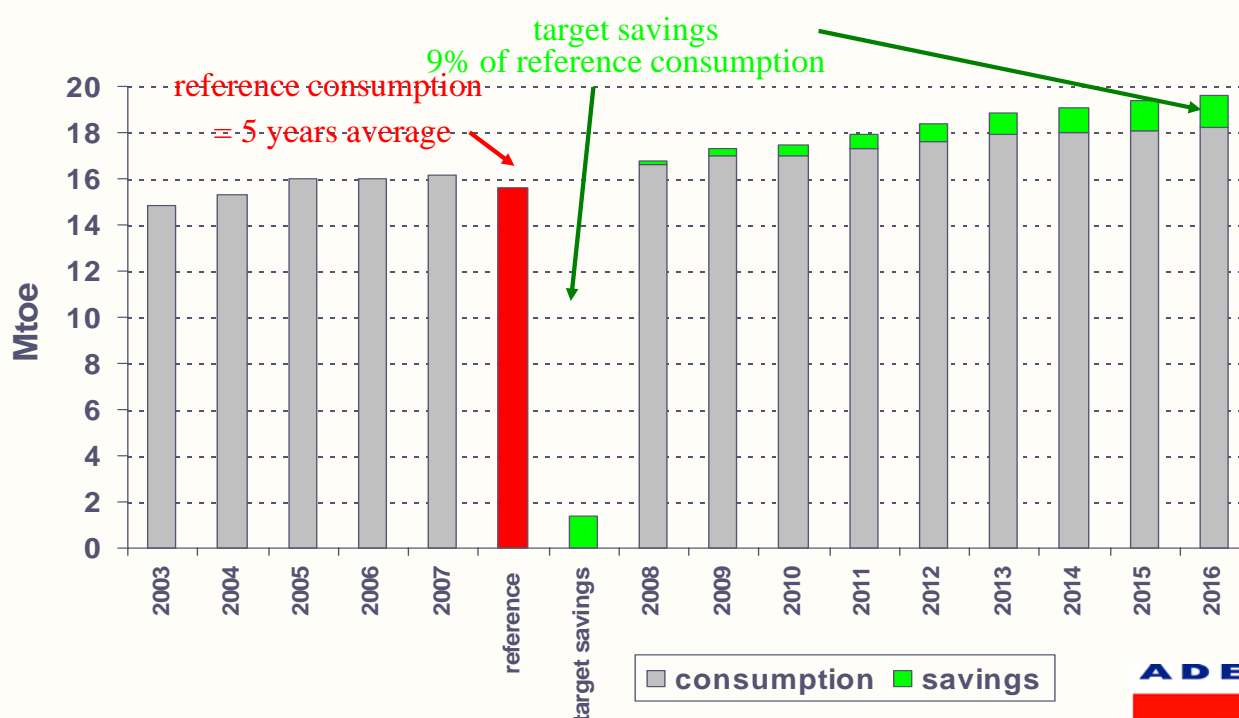
Monitoring the revival of energy efficiency policies

- At EU level, important pieces of legislation have been adopted to reach the target of the ECCP, EEAP, Green Paper on EE, EU Directives
- In the UNFCCC process, the application of decision 13 CP.7 and art2 (1)b of the KP, on **exchange of information on good practices of P&Ms** and the obligation of reporting on **Demonstrable Progress (Art. 3.2 KP)** certainly rely on the setting up of a monitoring system for P&Ms.
- At national level, there is a need for evaluation of the impact of public funding dedicated to EE P&Ms

➔ An increasing need for monitoring P&Ms implementation



The Energy Services Directive Target: Cumulative savings (Example)



Note: indicative estimates based on 2001-2005; 2006-2016 estimated



ODYSSEE-MURE and the M&V of the ESD

A mature project which perfectly and timely fit with the ES directive monitoring requirement

- Top-down systems of energy efficiency indicators can show past improvements, including effects of horizontal measures and market transformation.
 - Monitoring of the target through ODEX
 - Benchmark and diffusion indicators for the list of annex5 indicators
- Bottom-up calculations of energy efficiency measures to show estimated or metered impact of measures taken.
 - List of measures for the action plan
 - Ex-post evaluation of early actions
- Benchmarking of selected energy efficiency indicators (including from bottom-up measures and top-down systems). Annex IV a.
- ODYSSEE experts will be certainly requested by MS or the Commission for bringing their knowledge of monitoring energy efficiency progress.



New Odyssee-MURE round

A very good evaluation from the IEEA

A lot of expectations from our old and new clients

New features (ESD, contribution to Lisbon target etc)

New geographical coverage EU-27+ 2

New technical and methodological developments

A closer look at the interaction between indicators and policies



Objectives

☛ This project has five objectives:

- **Monitor energy efficiency progress (and CO₂-reduction) for the EU countries;**
- **Understanding the energy demand trends for the EU countries;**
- **Comparing the differences between countries in their relative energy efficiency performance;**
- **Measuring the contribution of innovative energy efficiency and renewables technologies to the Lisbon targets to make Europe more competitive;**
- **Evaluating national energy efficiency policy measures (and Community Directives) for the EU countries.**



The ODYSSEE-MURE round 2007-2009

Expected results

1. Assessment and analysis of the energy efficiency improvement and CO₂ abatement by sector at the EU-27 level+2 and for each Member State over the last 10 years through updated and harmonised indicators.
2. Provision of benchmark values to compare the relative energy efficiency performance of EU Member countries through adjusted and comparable indicators, as well as comparing the EU with other OECD countries.
3. Assessment and analysis of policy measures for the rational use of energy and end-use renewables in EU Member States, as well as of their impact.
4. Report by sectors on energy efficiency trends and policies (industry, buildings and transport).
5. Estimates of energy savings to monitor the ESD Directive from a top-down perspective



Conclusion

- ☛ ODYSSEE-MURE : the current best practices in Europe for monitoring energy efficiency
- ☛ Can provide valuable input for the monitoring of the energy service directive

More information at:

www.odyssee-indicators.org

www.MURE2.com

