



Invitation to the Workshop Energy Efficiency in Buildings – Improving the Database



29 May 2008, 9.30 – 17.00, Berlin



Against the background of the EU Directive on "Energy End-use Efficiency and Energy Services" (2006/32/EC), the availability of reliable data on energy consumption becomes more and more important. These data form an essential basis for the definition of policy recommendations and the calculation of the energy savings under the ESD.

The Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI) kindly invites you to a Workshop, where the results from three projects of the "Intelligent Energy Europe (IEE)" programme of the EU are presented, which deal with the improvement of data on energy consumption. The main focus of the workshop will be on the energy consumption in residential and tertiary buildings.

Venue: Umspannwerk Ost, Palisadenstr. 48, 10243 Berlin



Workshop Programme

- 9.30 – 11.00** **Presentation of the results of the IEE project "REMODECE" on electricity consumption in the residential sector**
- Overview of the REMODECE project (Barbara Schlomann, Fraunhofer ISI)
 - GfK mail panel for households and GfK retail panel for electrical appliances: use for REMODECE and similar projects (Till Herzog, GfK Marketing Services)
 - Results of the survey on electricity consumption in German households (Barbara Schlomann, Fraunhofer ISI)
 - Results of the metering of electricity consumption in 100 households in Germany (Annette Roser, BSR Sustainability)
 - Electricity and gas consumption in Austrian households in 2008 (Alexandra Wegscheider-Pichler, Statistik Österreich)
- 11.00 – 11.15 Coffee break
- 11.15 – 13.00** **Presentation of the results of the IEE project "EL-TERTIARY" on electricity consumption in the tertiary sector**
- Overview of the EL-TERTIARY project (Edelgard Gruber, Fraunhofer ISI)
 - EL-TERTIARY database and results of the auditing campaign (Stefan Plessner, IGS)
 - Electricity saving potentials in the tertiary sector (Philippe Rivière, Armines)
- 13.00 – 14.00 Lunch
- 14.00 – 17.00** **Presentation of the IEE project "Monitoring of Energy Demand Trends and Energy Efficiency in the EU" (ODYSSEE-MURE EU-27) on energy efficiency indicators and measures in EU Member States, Norway and Croatia**
- Overview of the ODYSSEE-MURE project: possible contribution to the monitoring of the ESD (Didier Bosseboeuf, ADEME, project leader; Bruno Lapillonne, Enerdata)
 - Recent energy efficiency trends in Germany with focus on buildings (Barbara Schlomann, Fraunhofer ISI)
- Coffee break
- Recent energy efficiency trends and policies implementation in the space heating sector of the EU-27 (Piet Boonekamp, ECN)
 - Recent energy efficiency trends and policies implementation for electrical appliances in the EU-27 (Stefano Faberi, ISIS)
 - Indicators for the contribution of innovative building technologies to the Lisbon strategy (Wolfgang Eichhammer, Fraunhofer ISI)

Languages: English/German (simultaneous translation)



ISR
University of Coimbra

Residential Monitoring to Decrease Energy Use and Carbon Emissions in Europe (REMODECE)

www.isr.uc.pt/~remodece/

The overall objective of the REMODECE project is to contribute to an increased understanding of the energy consumption in the EU-27 households for the different types of equipment, including the consumers behaviour and comfort levels, and to identify demand trends and potential electricity savings. The availability of high quality data is an essential condition for the definition of policy recommendations to influence both the energy efficiency of the equipment to be sold in the next decade, and to influence the user behaviour in the selection and operation of that equipment. For that reason, measurement and surveying campaigns in a large number of households have been carried out within the REMODECE project in all 12 EU-countries (plus Norway) involved in the project.



EL-TERTIARY

Fraunhofer
Institut
System- und
Innovationsforschung



Monitoring Electricity Consumption in the Tertiary Sector (EL-TERTIARY)

www.eu.fhg.de/el-tertiary

The electricity consumption in the tertiary sector is still increasing and a further increase is expected. The objective of the project is to promote a more efficient use of electricity. It will provide detailed and reliable know-how on the electricity consumption structure and its use by purpose (lighting, office equipment, ventilation, air conditioning, etc.) in various types of tertiary buildings. A standardised methodology for electricity metering, survey and analysis was developed and tested in 120 selected typical buildings in 12 EU countries involved in the project. The results will be used to draw conclusions for policy measures on EU and national level. The project is co-ordinated by the Fraunhofer Institute for Systems and Innovation Research (Fraunhofer ISI) in Karlsruhe. The methodology for data input and evaluation of the case studies was developed by IGS at Technical University of Braunschweig.



ADEME



Monitoring of Energy Demand Trends and Energy Efficiency in the EU (ODYSSEE-MURE EU-27)

www.odyssee-indicators.org/

www.mure2.com/

ODYSSEE-MURE EU-27 is a project between ADEME, the IEE programme of the European Commission/DGTREN and energy efficiency agencies, or their representatives, in the 27 countries in Europe plus Norway and Croatia.

ODYSSEE relies on a comprehensive database that contains, on the one hand, detailed data on the energy consumption drivers in the main energy demand sectors (households, tertiary, industry, transport) by end-use and sub-sector and, on the other hand, energy efficiency and CO₂ related indicators. The network of national teams updates the data regularly. The ODYSSEE database is managed by ENERDATA (Grenoble) and updated twice a year.

MURE provides information on energy efficiency policies and measures that have been carried out in the countries covered and enables the simulation and comparison at a national level of the potential impact of such measures. The MURE Database is constructed in five sections which contain the energy efficiency measures, statistical data and a simulation tool for the four main energy demand sectors and general cross-cutting measures. The network of national teams guarantees the continuous updating of the database, which is managed by ISIS (Rome) and Fraunhofer ISI (Karlsruhe).