

**Press Release / Energy Performance of Buildings**

## **Monitoring by use of Energy Performance Certificates – Results of a Building Expert Meeting in Brussels**

Due to the transposition of the Energy Performance of Buildings Directive (EPBD) several Millions of Energy Performance Certificates are expected to be issued in the European Member States. The implied large-scale acquisition of buildings' data by energy experts offers the opportunity to improve the knowledge about the energy performance of the European building stock and the ongoing refurbishment processes. This was the agreed opinion of experts from 16 European countries, who congregated mid-November to an international workshop in Brussels. The comprehension of the state and the current trends is a prerequisite for tailored policies and measures aiming at a sustainable reduction of the carbon dioxide emissions in the building sector.

Experts from the countries Denmark, Portugal, France and the Netherlands reported about their experiences in establishing national databases for energy certificates and about the possible contribution to strategic considerations of policy makers. According to their statements an important precondition is the introduction of a central energy certificate registration and an accurate definition of the data to be collected.

Furthermore relations were shown to large-scale monitoring activities on EU level like the ODYSSEE project, which determines and publicises energy efficiency indicators of all European Member States for different sectors at regular intervals. At the moment it is rather difficult to find out which energy savings are achieved by the particu-



lar policies in the building sector like energy requirements, financial incentives or information campaigns. However the EU Member States are requested by the EU “Energy End-use and Energy Services Directive” (ESD) to give an account of the impact of the different measures. The methodical approaches of the EMEES project which have been developed for this purpose were also presented during the workshop.

In order to consolidate the results of energy efficiency monitoring in the building sector on a European level a common language for the description of the energy performance of buildings is needed. Different certification schemes, efficiency indicators and reference areas make comparison between different countries difficult. A solution for these problems is offered by the DATAMINE data structure which was also presented at the workshop. Projects from 12 different countries were carried out in which a collection and evaluation of energy certificate data has been performed. The harmonised DATAMINE data structure enabled a merging of these data to one database with about 19,000 datasets. Evaluations of different parameters like thermal transmittance, envelope areas, supply system types as well as calculated and measured consumption could be performed and directly compared between the different countries. DATAMINE is consequently a first step towards a harmonised energy classification and imaging of the building types of the European Member States.

The Expert Workshop was performed with the support of the programme „Intelligent Energy Europe“.

The slides which were presented during the event can be downloaded from the DATAMINE-Website: [www.meteo.noa.gr/datamine](http://www.meteo.noa.gr/datamine)

Darmstadt / Germany, 21-11-2008  
 Institut Wohnen und Umwelt GmbH  
 (Institute for Housing and Environment)  
 Tobias Loga / Nikolaus Diefenbach

on behalf of the DATAMINE consortium



with the support of **Intelligent Energy**  Europe

Contract N°: EIE/05/097  
 Coordinator:  Institut Wohnen und Umwelt, Darmstadt / Germany – [www.iwu.de](http://www.iwu.de)  
 Project duration: Jan 2006 - Dec 2008

*The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.*