



FP7-ICT-2009-4-248061

## EnPROVE

### **Energy consumption prediction with building usage measurements for software-based decision support**

Instrument: Small or medium-scale focused research project  
Thematic Priority: Theme 3 – Information and Communication Technologies

#### **D8.3.1 USER INTEREST GROUPS**

Due date of deliverable: 31.05.2011  
Actual submission date: 07.06.2011

Start date of project: 01.02.2010 Duration: 36 months

Organisation name of lead contractor for this deliverable: MOSTOSTAL

Dissemination level: PU

Revision 1

## **Executive Summary**

This document is a short report which summarizes work of each partner of the project in establishing user interest groups. The main objective of these user interest groups is to collect a broader industrial perspective on the project's results, which can increase the expected impact of the project. Consortium will be responsible for exchanging collected National feedback, to obtain some cross comparison and a European perspective. It must be mentioned that a new version of this deliverable is expected at the end of the project - M36.

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## 1 Introduction

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This document is a short report where user interest groups were defined. Their possible benefits from the EnPROVE system were presented. This document shows involvement of project partners in searching of end users groups. It should be mentioned that activity of establishing of end-users will be more intense (e.g. organization of two workshops in each of six countries) as soon as EnPROVE system will become more concrete, which will facilitate focusing end-users on it.

## 2 User interest groups

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User interest groups were established mostly in six EU countries which are represented by Partners in the project. These countries are: France, Germany, Ireland, Poland, Portugal and Spain. However users from other European countries will be also found during the next research.



Figure 1: Six countries with user interest groups defined.

### 2.1 Designated end-users

Designation of user interest groups is closely related to the end-users, who have been identified in deliverable *D2.1 Use Cases and Reference Scenarios Specification*. Based on this report, specific companies and institutions from different countries were searched.

#### 2.1.1 ESCO companies

An energy service company ESCO is a commercial business providing a broad range of comprehensive energy solutions including designs and implementation of energy savings projects, energy conservation, energy infrastructure outsourcing, power generation and energy supply, and

risk management. The ESCO performs an in-depth analysis of the property, designs an energy efficient solution, installs the required elements, and maintains the system to ensure energy savings during the payback period. The savings in energy costs is often used to pay back the capital investment of the project over a five- to twenty-year period, or reinvested into the building to allow for capital upgrades that may otherwise be unfeasible. If the project does not provide returns on the investment, the ESCO is often responsible to pay the difference.

Benefits:

Innovative device which will facilitate the work of ESCO companies.

Table 1: List of ESCO associations.

Name	Country
Associazione Italiana delle - ESCO	Italy
ESTA - Energy Services and Technology Association	United Kingdom
FG3E	France
AMI	Spain
ESCO Forum	Germany
VfW	Germany
AESCO	Ukraine

### 2.1.2 Building owner as a Investor

Person or company who is responsible for deciding on the renovation of the building. The decision depends on the technical and economic parameters, and the comfort of users.

Benefits:

EnPROVE enables to select and recommend technology choices according to the objective ROI and will refer the investor/user to specific solutions [including convincing arguments regarding the investor's key interests/considerations].

### 2.1.3 Building Facility/Energy manager

The person or organization that controls the energy- efficiency of the existing building and in charge to provide enhanced building control system.

Benefits:

EnPROVE will provide the best solution about the energy-efficiency installation according to the renovation project :

- Removing or improvements on existing energy installation and network;
- Solutions to control with an high degree of efficiency the production and the distribution of energy according to the human and work activities checked in real time in all the different areas of the renovating building;
- Evaluating the ROI of the modifications according to the objectives of energy consumptions.

### 2.1.4 Equipment provider

Lighting component or system supplier or HVAC company which could be recommended in EnPROVE system.

Benefits:

A new way to get on the market with the products and automatically update them.

### 2.1.5 Equipment installer

The assembly companies that which will occupy the installation process.

Benefits:

- Time savings of investor in searching installation companies.
- A new way to get on the market with services of assembly companies.

### 2.1.6 Auditing/deployment contractors

The person or organization that is responsible for the overall deployment and management of the wireless sensor-based auditing tool and data acquisition.

Benefits:

To allow commissioning and deploying a plug-and play sensor network solution in any given office building or a portion of it. The tool will deliver an accurate profile of the building that can then be used for energy predictions, decision-making and recommendations on a suitable renovation plan.

## 2.2 Designated end-users in each country

The EnPROVE partners have started to establish user interest groups in their respective countries, by contacting companies that could be interested in learning the project's progress and results. The initial contacts have reached around 60 companies, representing different end-user classes, as listed in Table 2.

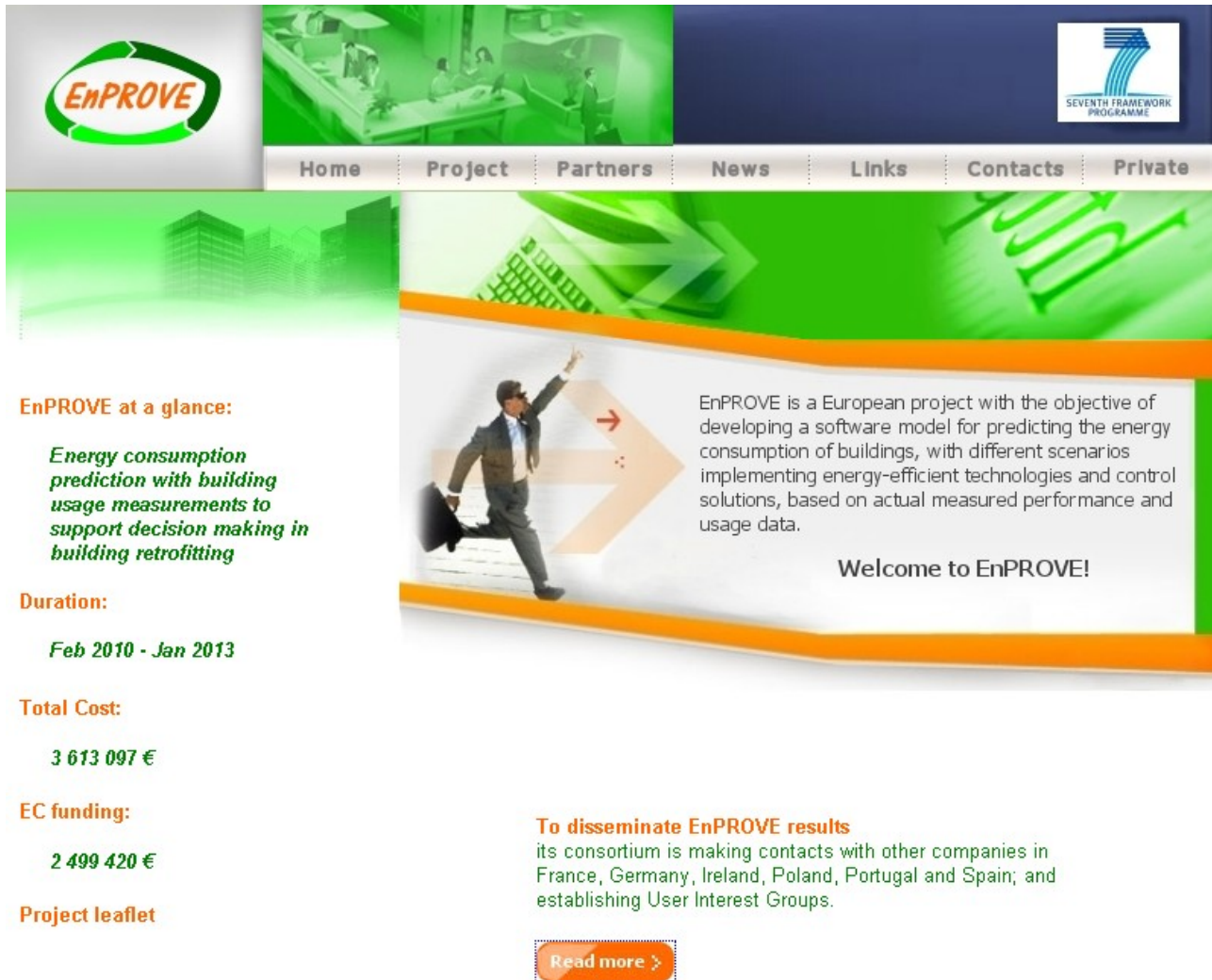
Table 2: Companies integrated in the six user interest groups.

	Portugal	Ireland	Germany	Spain	Poland
<b>ESCO Companies</b>	3	3		1	
<b>Building Owners</b>	5	5	3		
<b>Building Facility/Energy Manager</b>	2	1	2	3	1
<b>Equipment Provider</b>	1		7	2	
<b>Equipment Installer</b>					
<b>Auditing/ Deployment Contractor</b>		3			3
<b>Research and Technological Development</b>	4	6	4	1	1

## 3 The ways to reach user interest groups

The following roads have been identified to reach end users:

### 3.1 User registration on the project website - Follow Us



**EnPROVE at a glance:**

*Energy consumption prediction with building usage measurements to support decision making in building retrofiting*

**Duration:**

*Feb 2010 - Jan 2013*

**Total Cost:**

*3 613 097 €*

**EC funding:**

*2 499 420 €*

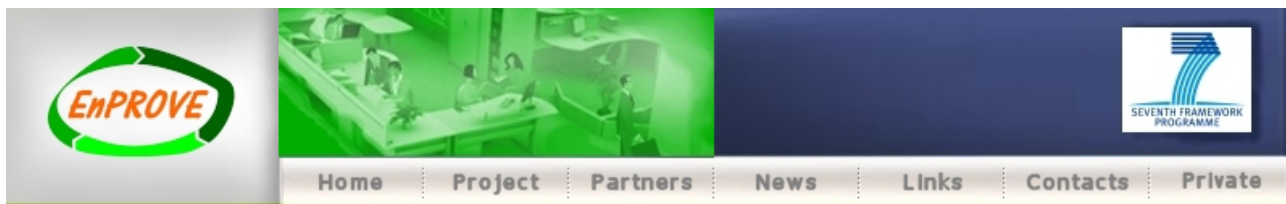
**Project leaflet**

EnPROVE is a European project with the objective of developing a software model for predicting the energy consumption of buildings, with different scenarios implementing energy-efficient technologies and control solutions, based on actual measured performance and usage data.

**Welcome to EnPROVE!**

**To disseminate EnPROVE results** its consortium is making contacts with other companies in France, Germany, Ireland, Poland, Portugal and Spain; and establishing User Interest Groups.

[Read more >](#)



For questions or additional information on the project please contact the project coordination:

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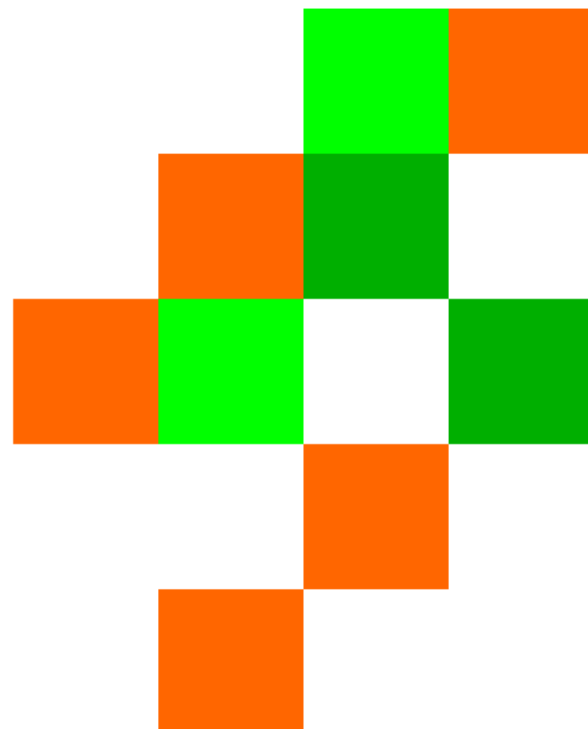
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Download the project leaflet: [here](#)

Anyone interested in the project's results should contact with the Project Coordinator sending needed data:

- Name
- Last Name
- E-mail
- Phone number
- Permission to use the personal data by the coordinator, only for sending information about the project.

Registered contacts will receive important news about the projects, invitations for the workshops and newsletters.



## 3.2 Workshops

Workshops will be organized in six EU countries during and at the end of the project. The responsibility for the organization of workshops is indicated in Table 3.

Table 3: Partners responsible for national workshops.

<b>Beneficiary No.</b>	<b>Beneficiary short name</b>	<b>Country</b>
1	UNINOVA	Portugal
2	CLARITY	Ireland
4	CSTB	France
5	TECNALIA	Spain
6	GEM	Germany
7	MOSTOSTAL	Poland

Workshops will be organized in the mother language. The goal of these workshops will be not only to present the project results but to discuss the problems associated with energy audits, retrofitting and energy efficiency in buildings.