



### Project Summary

The project RESHAPE is co-funded by the European Union under the **Intelligent Energy-Europe** programme. It started in January 2006, with a duration of 30 months. The project is a common action of ten partners united in a consortium which is co-ordinated by Ecofys (The Netherlands).

The RESHAPE project covers six pilot countries: The Netherlands, Belgium, Spain, Estonia, Czech Republic and Bulgaria. Through dissemination activities the target area will be enlarged with Greece and Romania. With the support of Cecodhas and other international organisations the project results will spread over West, South and East-Europe. RESHAPE intends to contribute to the implementation of the EU Directive on the Energy Performance of Buildings (EPBD). In this framework a consortium of stakeholders in social housing will:

- Demonstrate the preparation of social housing actors for implementation of the EPBD by planning and testing the integration of energy performance certification (EPC) in operational processes and services.
- Test and demonstrate added-value opportunities of EPC.
- Develop support tools for West-Europe, South-Europe and East-Europe.
- Disseminate the project outcomes to social housing actors in order to increase their awareness and change their attitude towards solutions for refurbishments.



Retrofitting social housing, Belgium (VHM)



### Targeted groups and key actors

- Social Housing Stakeholders (housing associations, housing co-operatives, federations of social housing actors)
- National and regional dissemination actors (national agencies, regional agencies, municipalities)
- Building construction, financial sector

### Expected outcomes of RESHAPE

- Overviews of the energetic quality of building stocks in the targeted 6 countries.
- Cross-country overview on integration of EPC in operational and communication processes of housing actors.
- Cross-country inventory and analysis of barriers and solution for retrofitting.
- EPC building stock assessments tested as instrument for developing retrofitting strategies.
- Cross-country overview of retrofitting scenarios for six countries.
- Six policy papers addressing framework barriers.
- Toolsets (guidelines, training materials for capacity building and best practice examples) for three geographic areas (West-Europe, South-Europe and East-Europe).



### Consortium Partners

No.	Participant name	Participant short name	Country
1.	Ecofys B.V.	Ecofys	Netherlands
2.	Woonstichting Etten-Leur	Woonwel	Netherlands
3.	De Zonnige Kempen CV	DZK	Belgium
4.	Vlaamse Huisvestingsmaatschappij	VHM	Belgium
5.	3E nv	3E	Belgium
6.	Estonian Union of Housing Co-operative Associations	EKYL	Estonia
7.	Bulgarian Housing Association	BHA	Bulgaria
8.	Black Sea Regional Energy Centre	BSREC	Bulgaria
9.	Stredisko pro Efektivni Vyuzivani Energie	SEVEN	Czech Republik
10.	ADIGSA, empresa publica	ADIGSA	Spain

### Description of the work

The objective of **WP2** is to test the integration of **energy performance certification (EPC)** in operational and communication processes and services in the social housing sector. For a number of typical reference dwellings EPC energy audits will be executed.

The audits' results will be used in two ways:

- 1) To physically characterise the energetic quality of the building stock.
- 2) To test the use of energy performance certification in the communication to tenants / apartment owners.

Based on these experiences plans for integration of EPC in the operational and communication processes are drafted (e.g. EPC in tenant change procedures, in communication to tenants etc.).

WP2 provides opportunities for international exchange of experiences and know-how regarding EPC in social housing. The building stock assessments form the basis for the development of retrofitting strategies in **WP3**.

The objective of **WP3** is to test the use of EPC as tool for the development of retrofitting strategies. The building stock assessments / databases compiled in WP2 will be tested as a management instrument to get insight in the energetic quality distribution in the building stock and will be used as instrument for developing retrofitting scenarios.

### RESHAPE Work Programme

No.	Work Package Title	Work Package Leader
WP1	Co-ordination and Project Management	Ecofys, Co-ordinator
WP2	Pilots: EPC in housing stock and operational processes	SEVEN
WP3	Pilots: EPC for development of retrofitting strategies	Ecofys
WP4	European support tools and training materials	3E
WP5	Specific dissemination	BSREC
WP6	Common dissemination activities	Ecofys



The objective of **WP4** is to transform the results of WP2 and WP3 to European implementation support tools (in the form of guidelines, training materials and best practice examples), dedicated to three geographic regions: East, South and West Europe.

The **WP5** aims:

- To promote the project from start, for its full duration, in order to raise awareness, create interest;
- To inform continuously about the progress of the project for its full duration;
- To spread the results of the project to different target groups and key actors.

The WP5 objectives will be achieved through EU wide, national and regional/local dissemination by means of EU and national newsletters and website pages, workshops and conference organisation, issuing of brochures, etc.

### Current project status

WP2 started with some *country specific preparation* tasks focused on:

- Developing a methodology for integral housing quality labeling (Ecofys, WOONWEL, DZK, 3E and VHM)
- Adapting and validating of existing energy audit software to condominium buildings in Bulgaria (VHA).
- Adigsa (Spain) organised a training seminar on energy, EPC and auditing for its personnel.

Other current WP2 activities are the *selection of reference dwellings*, followed by the execution of *EPC energy audits* for these buildings.

WP3 has been launched with a cross-country *Inventory of barriers and best practice strategies for retrofitting* for six targeted countries - The Netherlands, Belgium, Spain, Estonia, Czech Republic and Bulgaria.

Actually, the RESHAPE website, as well as the national web pages are under construction (WP5).

### RESHAPE kick-off meeting

The RESHAPE kick-off meeting was held on 6-7 March 2006 in Etten-Leur, the Netherlands, hosted by Woonwel.



During the kick-off meeting, a detailed analysis of the project implementation (work packages and tasks), deadlines and deliverables, as well as other organisational matters were done. Presentations on EPC and refurbishment in the participating countries were made, followed by relevant discussions. Country specific differences in legal framework, building practice, housing infrastructure, status of EPBD implementation etc. were highlighted.



During the kick-off meeting the project partners had the opportunity to visit several social housing projects of Woonwel.