

ECO-BUILD

Specific Support Action for the Advancement and the Implementation of the Eco-Building Concept



Further Information

Project Manager

Michael Schmidt
The Interdisciplinary Centre for Comparative Research in the Social Sciences (ICCR)
Schottenfeldgasse 69/1
1070 Vienna, Austria

Phone: +43.1.524 13 93-126

Fax: +43.1.524 13 93-200

Email: m.schmidt@iccr-international.org

Scientific Officer European Commission

Sylvain de Royer-Dupre
European Commission
DG Energy and Transport
Rue de Mot 24, Floor 3/124
1040 Brussels, Belgium

Fax: + 32.2.296 62 61

Email: sylvain.de-royer-dupre@cec.europa.eu

The building sector is at present responsible for more than 40% of EU energy consumption. There are technologies under development, which could substantially improve (up to 30%) the energy performance of buildings, reducing the conventional energy demand in new and existing buildings and substantially contributing to reduce energy intensity, through combined measures of rational use of energy and integration of renewable energy technologies.

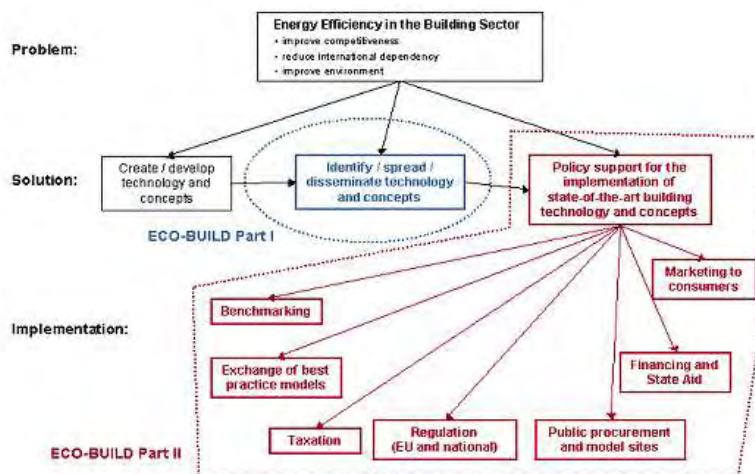
The ECO-BUILD project provides policy makers and stakeholders with

- an overview of the internationally most advanced concepts and technologies for Eco-buildings,
- best practice solutions for implementing those concepts and
- an assessment of the potential of and problems faced by different sets of policy measures adopted at the European and national levels.

The aim of the project is to work towards a new approach for the design, construction and operation of new and/or refurbished buildings, which is based on the best combination of the double approach: to reduce substantially, and, if possible, to avoid the demand for heating, cooling and lighting and to supply the necessary heating, cooling and lighting in the most efficient way and based as much as possible on renewable energy sources and polygeneration. The project goes beyond the requirements of existing legislation and thus contributes to a further development of regulatory issues in this sector.

Project structure

The project is structured in two main parts. The first part addresses the problem of identifying and documenting the internationally most innovative concepts and technologies for heating, cooling and lighting. The second part is dedicated to the successful implementation of those concepts particularly through adequate policy measures at the European and national levels.



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Consortium

The Interdisciplinary Centre for Comparative Research in the Social Sciences (ICCR), Vienna, Austria

European Institute for Energy Research (EiFER), Karlsruhe, Germany

Institute of Studies for the Integration of Systems (ISIS), Rome, Italy

Technologiestiftung Innovationszentrum Berlin (TSB), Berlin, Germany

Le Centre Interdisciplinaire pour la Recherche Comparative en Sciences Sociales (CIR), Paris, France

The ICCR Foundation (ICF), Vienna, Austria

Project workshops and conferences

ECO-BUILD will organise three workshops and one final conference. Each of the workshops will be open for the participation of 40 experts and stakeholders ranging from architects and industry representatives to interest groups and NGOs. The final conference will be attended by 100 participants with a clear focus on European, national and regional policy makers.

1st Workshop: *"Technologies and Concepts for Energy Efficiency in the Building Sector"*, 27-28 May 2008, Brussels

2nd Workshop: *"National and Regional Policy Measures for Improving the Energy Efficiency in the Building Sector: Successes and Failures"*, 9 March 2009, Brussels

3rd Workshop: *"The Development of European Legislation: Opportunities and Implementation Bottlenecks"*, September 2009

Final Conference: *"Results and Policy Recommendations"*, January 2010

Project outputs

On its web site ECO-BUILD provides a fully searchable on-line database of the most innovative and promising technologies and concepts. This database is being continuously enlarged and updated.

During the life time of the project, ECO-BUILD will publish four reports on its web site on the topics of

- Best Practice Models
- National and regional policy measures for improving the energy efficiency in the building sector: successes and failures
- The development of European legislation: opportunities and implementation bottlenecks
- Results and Policy Recommendations

Project duration is from October 2007 to March 2010.

www.ecobuild-project.org