

THE EU ECO-BUILDINGS CONCEPT – A VISION BECOMES BEST PRACTICE

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1 Introduction

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-buildings concept is expected to be the meeting point of short-term development and demonstration in order to support legislative and regulatory measures for energy efficiency and enhanced use of renewable energy solutions within the building sector, which go beyond the [Directive on the Energy Performance of Buildings](#). The projects aim at 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. In the key note presentation and in the common session of the FP6 Eco-buildings projects the first results of the four projects BRITA in PuBs, SARA, DEMOHOUSE and ECO-CULTURE are presented and shall be discussed.

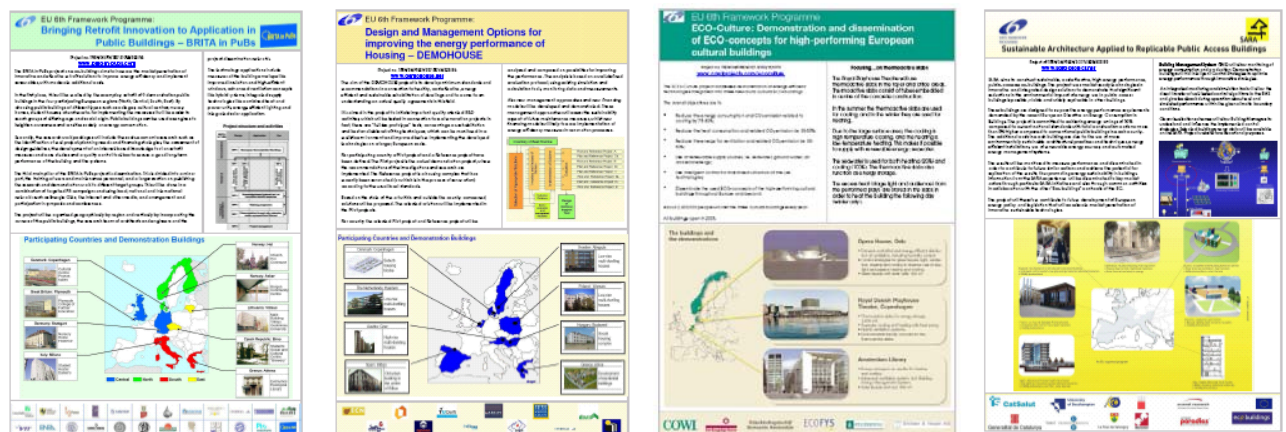


Figure 1: The poster of the 4 ECOBUILDINGS project in a common format

2 More information

www.ecobuildings.info (website of eco-buildings programme)

