

# BIT – THE BRITA IN PUBS INFORMATION TOOL A FIRST STEP TOWARDS A EUROPEAN-WIDE DATABASE FOR ECO-BUILDINGS

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## Abstract

If we look at the building stock and the energy consumption for heating, cooling, ventilation and lighting in Europe with the focus on energy-efficient buildings, mostly built after 1980, we have to realise that these buildings represent about 20 % of the building stock but only 5 % of the energy consumption. In order to meet the objectives of the Kyoto Protocol we have to concentrate on improving the energy-inefficient building stock. The aim of improving the situation and of boosting the significance of energy conservation as one of the set-up of goals of decision makers in retrofit projects must be realised by increasing the knowledge of energy-efficient retrofit technologies and their intelligent application. One of the best ways to do that is to present best practice examples to show that the improvement of the comfort as the primary aim can be achieved together with measures for energy savings. Another promising way is to give the decision makers and their technical staff simple-to-use tools at hand that will support them in the first planning phase to make the right decisions towards energy saving retrofit measures. The 6<sup>th</sup> Framework Programme Integrated Project "Bringing Retrofit Innovation to Application - BRITA in PuBs" covers both approaches, the demonstration of retrofit projects and the computer tool for the first planning phase. The work package 4 in BRITA in PuBs deals with the development of a knowledge based information tool for public decision makers including the documentation of innovative cost-efficient retrofit measures in the participating 9 countries. This tool is based on the work of the IEA ECBCS Annex 36, which resulted in the ECA tool, the Energy Concept Adviser for technical retrofit measures at educational buildings.

BRITA in PuBs will use the first 3 parts of the Energy Concept Adviser and extend the case studies by the demonstration buildings of the project as well as refine the retrofit measure chapters including information on innovative retrofit technologies. The performance rating part will be extended with benchmarks for the whole public buildings group. The picture below shows on the left the title page of the BIT tool. On the right is the draft of the navigator including the parts problem related recommendations, case studies and retrofit measures, performance rating and info & contact.

This tool, which will be available on the project website, may act as a basis for a common database on ECO-BUILDINGS all over Europe.

