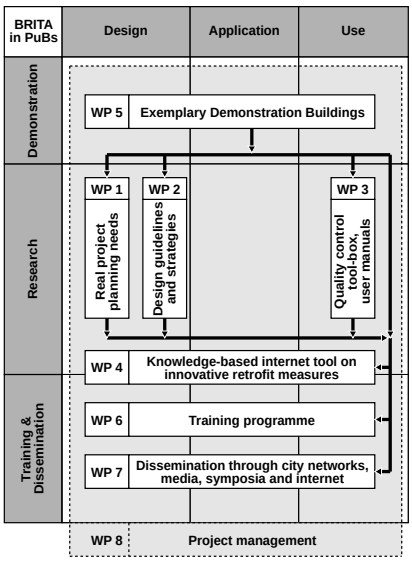
EU 6th Framework Programme:

Bringing Retrofit Innovation to Application in Public Buildings – BRITA in PuBs

Project Summary

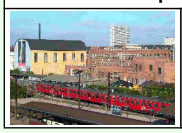
The BRITA in PuBs project on eco-buildings aims to increase the market penetration of innovative and effective retrofit solutions to improve energy efficiency and implement renewables, with moderate additional costs.
In the first place, this will be realised by the exemplary retrofit of 9 demonstration public buildings in the four participating European regions (North, Central, South, East). By choosing public buildings of different types such as colleges, cultural centres, nursery homes, student houses, churches etc. for implementing the measures it will be easier to reach groups of differing age and social origin. Public buildings can be used as engines to heighten awareness and sensitise society on energy conservation.
Secondly, the research work packages will include the socio-economic research such as the identification of real project-planning needs and financing strategies, the assessment of design guidelines, the development of an internet-based knowledge tool on retrofit measures and case studies and a quality control tool-box to secure a good long-term performance of the building and the systems.
The third main pillar of the BRITA in PuBs project is dissemination. This is divided into a minor part, the training of users and maintenance personnel, and a larger section on publishing the research and demonstration work to different target groups. This will be done in a combination of targeted PR-campaigns and using local, national and international networks such as Energie Cités, the internet and other media, and arrangement and participation in symposia and conferences.
The project will be organised geographically by region and vertically by incorporating the owners of the public buildings, the research team of architects and engineers and the project dissemination networks.
The technology applications include measures at the building envelope like improved insulation and high-efficient windows, advanced ventilation concepts like hybrid systems, integrated supply technologies like combined heat and power units, energy-efficient lighting and integrated solar application.

Project structure and activities



Participating Countries and Demonstration Buildings

Denmark: Copenhagen



Cultural Centre Proeve-hallen

Great Britain: Plymouth

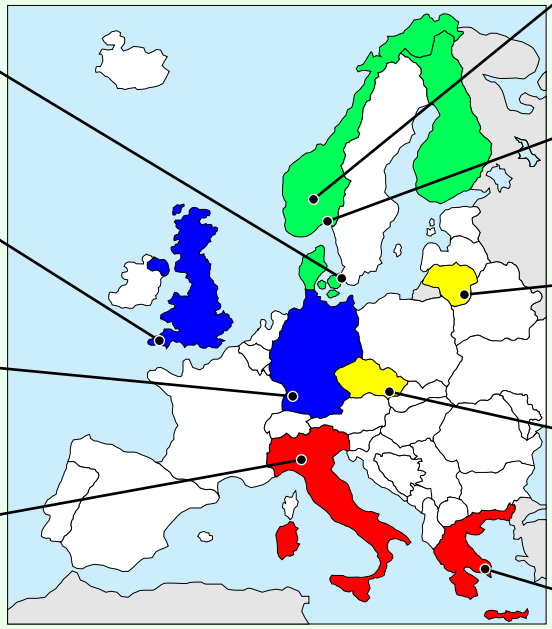
Plymouth College of Further Education

Germany: Stuttgart

Nursery Home Filderhof

Italy: Milano

Student Hostel Daniel's



Norway: Hol

Church Hol Commune

Norway: Asker

Borgen Community Centre

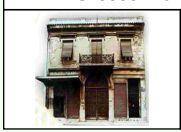
Lithuania: Vilnius

Main Building Vilnius Gediminas University

Czech Republic: Brno

Students Social and Cultural Centre "Brewery"

Greece: Athens



Evonymos Ecological Library

Project Partners

Fraunhofer Institut Bauphysik · Landeshauptstadt Stuttgart · Power · Politecnico di Milano · SINTEF · Asker kommune · Eyath Euditi · Byggforsk Norwegian Building Research Institute · Harald N. Røstvik A/S · Cenergia · Københavns Kommune · dbur.dk · VTT · ENEA · Politecnico di Milano · Garboli-Conicos · Plymouth University · Eyath Euditi · Pto · BRITA in PuBs

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