



Project Acronym : SARA

Project Title : Sustainable Architecture Applied to Replicable Public-Access Buildings

Coordinator : Universitat de Barcelona (Spain)

Website : <http://www.sara-project.net/>

ABSTRACT

SARA aims to construct six sustainable, cost effective, high-energy performance, public-access eco-buildings that are immediately replicable at large scale in many locations. The eco-buildings will be equipped with advanced sustainable energy technologies integrated by an innovative architectural approach and combined monitoring and building management systems, BMS. Given that public-access buildings tend to have relatively intense energy consumption the overall impact in terms of absolute energy savings and pollution reduction will be particularly significant.

SARA involves the demonstration of 8 highly sustainable and replicable Public-access buildings in 5 EC Member States (A, E, F, I, UK), 2 EC Candidate countries (PL, SI) and 1 New Independent State (UZ). There are 16 participants in the project: the promoters and research organisations of the countries involved in the 8 countries of demonstration plus research and technical development (RTD) from Germany. In order to obtain efficient integration, demonstration is focussed locally with horizontal transfer of knowledge between eco-buildings provided by an expert advice team. Other concentrated teams of participants will work in parallel on specific RTD issues related to integration of BMS, remote monitoring, internet based dissemination, socio-economics studies and training so as to exploit synergies of all aspects of the project. The key aspects of the project are public access, innovative yet cost effective and replicable results, consideration of end users and an interdisciplinary team working on various RTD activities. These aspects, applied across various climatic regions will produce large-scale social, urban and environmental benefits. The project will therefore contribute to future development of European energy policy and legislation that will accelerate market penetration of innovative sustainable technologies.

PARTNERS

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