



Benchmarking and mainstreaming building sustainability in the EU based on transparency and openness (open source and availability) from model to implementation.



The overall objective of OPEN HOUSE is to develop and to implement a common European transparent building assessment methodology, complementing the existing ones, for planning and constructing sustainable buildings by means of an open approach and technical platform.

Partners:



ACE



APINTECH



ARUP



BGH



BOUYGUES



City of Warsaw



CCS



D'APPOLONIA



DGNB



EDF



ETH



Fraunhofer  
IBP



ITB



MOSTOTAL



SP



visesa



ZMK  
INSTITUT



Fundación Agustín de Betancourt

Main OPEN HOUSE characteristics:

**Description:** OPEN HOUSE tool will be developed by an European consortium of 19 stakeholders under the framework of a FP7 R&D project. The main objective of OPEN HOUSE is to develop a **methodology for the assessment of the sustainability** (environmental, economic and social) level of a building, complementing the existing ones by means of an **open approach and technical platform**. OPEN HOUSE baseline and final methodology will be defined by a transparent and consensus process involving all the European sustainable buildings' value chain, mainly through the OPEN HOUSE platform network. The methodology will be applied and tested in a total of **68 case studies**, of which 11 will be developed under a green/sustainability public procurement outline.

**Criteria:** The methodology will be structured in the 3 main sustainability categories: A.- Environment. B.- Economic. C.- Social. Each of them will be divided into several quantitative and qualitative indicators, which at the same time will be defined by parameters.

**Scoring/Weighting:** It is based on indicator-criteria weightings. Results will be presented as separate bars for each of the 3 major categories, so users can easily identify those indicators with less sustainability performance. OPEN HOUSE offers the possibility of getting a **building certificate**.

Innovative OPEN HOUSE features:

- To be designed and developed by a **transparent and consensus process**.
- To be a **non proprietary method**, thus fostering the exploitation.
- To be **based on international/European standards**.
- To include **process indicators** helping the monitoring and maintenance of the building sustainability level.
- To address the unresolved issues concerning building sustainability (E.g. performance requirements such as accessibility, weighting, variables such a building type, target user and climate).