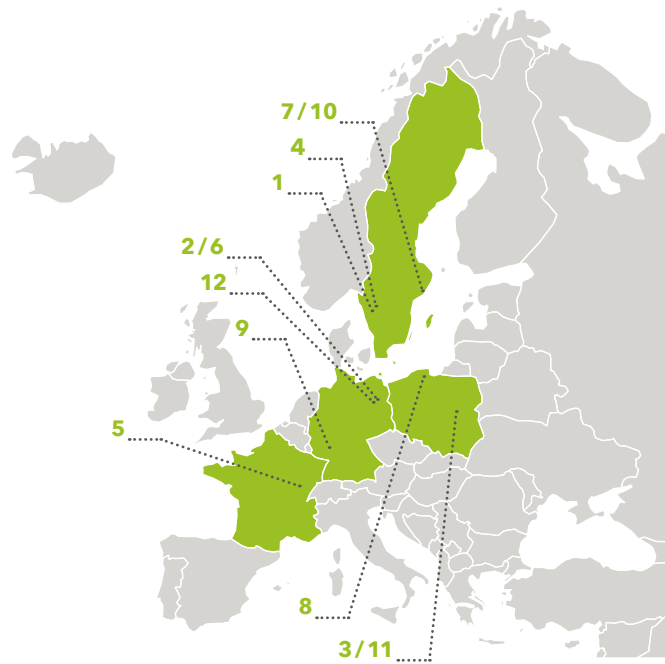


## PARTICIPANTS



**1**\_CBI Swedish Cement and Concrete Research Institute (Sweden) **2**\_BAM Federal Institute for Materials Research and Testing (Germany) **3**\_ITB Building Research Institute (Poland) **4**\_Aercrete Technology AB (Sweden) **5**\_Cycleco SAS (France) **6**\_Roswag Architekten (Germany) **7**\_Svenska Aerogel AB (Sweden) **8**\_PRE Fasada sp. z o.o. (Poland) **9**\_Dyckerhoff GmbH (Germany) **10**\_Strängbetong AB (Sweden) **11**\_Mostostal Warszawa SA (Poland) **12**\_Xella Technology and Research Centre (Germany)



Roswag Architekten



## PROJECT FRAMEWORK



H-House is a collaborative research project co-funded by the European Commission under the 7th Framework Programme EeB.NMP.2013-2 (EC contract No. 608893).

The project started in September 2013 and will be carried out over a period of four years. The main purpose is the development of innovative, sustainable façade elements and partition walls based on earthen materials, optimised cementitious materials with modified surfaces and wooden or cellulose materials in order to improve the indoor environment with regards to health and occupant comfort and to increase the energy efficiency of residential buildings.

SME 42%

IND 33%

RTD 25%

The complementary consortium consisting of 12 partners makes up a strong team of organisations with specific expertise in the required technical areas. It has a strong industrial dominance with 5 high-tech SMEs and 4 large industries supported by 3 research institutes from 4 EU countries. The coordinator of the project is the CBI Swedish Cement and Concrete Research Institute.

## FURTHER INFORMATION

Visit [www.h-house-project.eu](http://www.h-house-project.eu) or email: [katarina.malaga@cbi.se](mailto:katarina.malaga@cbi.se)

# [H]house

## HEALTHIER LIFE WITH ECO-INNOVATIVE COMPONENTS FOR HOUSING CONSTRUCTIONS



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 608893.

## INTRODUCTION

The project aims to develop a number of new building systems suited to a society where environmental awareness and a high degree of living comfort are both required. The concept of the project is to develop new building components for external and internal walls for new buildings and for renovation.

## MOTIVATION AND OBJECTIVES

The purpose of an adequate building envelope is protection against moisture ingress, heat loss in winter, overheating in summer and noise. Components for the internal walls should be able to buffer heat and humidity peaks and prevent pollutants and noise.

H-House will develop new eco-innovative materials and will focus on building components for a healthier indoor environment. H-House solutions cover aspects of chemical and physical 'activity' of the developed building materials, their embodied energy, suitability for different applications and environments, durability, cost-efficiency and long-term improvement of energy efficiency of buildings.

## PROJECT STRUCTURE



The project is divided into seven work packages extending over a four-year period. Special emphasis is placed on the empirical and modelled development of new materials as well as the improvement of the existing materials. The development will follow the rules for Human Health and Life Cycle Assessment.

