Fundació Privada Ascamm hosted the kick-off meeting of the REWASTEE project.
This meeting was attended by all consortium members.

Barcelona, 17th of July 2014

REWASTEE, which stands for ***R****ecycling steel making solid* ***Wast****es for added value* ***E****nergy* ***E****fficiency building products*, is a 3 years project co-funded by the Eco-Innovation Initiative of the European Union. The project addresses the need for new environmental and cost-effective approaches for recycle, valorize and reincorporate into the productive cycle of steelmaking wastes (particularly Electric Arc Furnace Dust – EAFD).

Europe is the second largest steel producer worldwide with a production of 168 million tons in 2012. Within Europe, Germany, Italy, France, Spain, and the United Kingdom are the top five steel producing countries accounting for 64.7% of EU steel production. 41.6% of EU steel is produced by electric furnaces, generating 10-20 Kg of EAF dust (EAFD) per ton steel produced. EAFD is a well-known waste of the steelmaking industry and is considered a hazardous waste according to the European Waste Catalogue (EWC). Currently, EAFD steel producers either process the dust in a metal recovery facility or chemically stabilize it and landfill it (with no possibility of metal recovery). Presently, EAFD as a waste has become a major concern from an environmental and economic point of view due to the high disposal cost.

REWASTEE main target is the industrial validation, market deployment and replication of a developed technology for recycling steelmaking EAFD wastes to be used for manufacturing multifunctional building products (**Figure 1**) that couples acoustic insulation and enhanced thermal inertia.

Figure 1. First REWASTEE multifunctional material (made of 70% EAFD).

Market deployment of REWASTEE recycling and production technology starts in Spain, but it will be replicated at industrial scale in Italian, French and UK markets, also establishing the optimal business model for technology and REWASTEE products commercialization. Furthermore, high efforts will be concentrated on ensuring the market viability of the manufactured products in specific building applications, always in compliance with current European and country specific building codes.

Led by Fundació Privada Ascamm (Barcelona, Spain), the consortium is formed by 8 partners from four European countries, and it balances the active participation of: two SMEs (R2M solution and TRIMDELSON), a Large Enterprise such as FCC Construcción, two Catalan Universities who developed the initial idea of the material (University of Lleida and University of Barcelona) and 3 leading research and technology developers (Building Research Establishment - BRE, Nobatek and ASCAMM).