



Higher recovery of raw materials from Construction and Demolition Waste

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The aim of HISER project is to develop and demonstrate novel cost-effective holistic solutions (technological and non-technological) for a higher recovery of raw materials from mixed and complex construction and demolition waste by considering circular economy approaches throughout the building value chain, from End-of-Life Buildings to new Building. These holistic approaches will enable the creation of new business models and commercial relationships among diverse key actors within the building supply chain.



Proposed solutions:

- Harmonized procedures complemented with and intelligent tool and supply chain tracking system, or highly efficient sorting at source
- Advanced sorting and recycling technologies for the production and automated quality assessment of high-purity raw materials from complex C&DW
- Development of optimized building products (low embodied energy cements, green concretes, bricks, plasterboards and gypsum plasters, extruded composites) through the partial replacement of virgin raw materials by higher amounts of secondary high-purity raw materials from complex C&DW



Outputs:

- Demonstrate the methodological and technological solutions all over Europe
- Quantify the environmental and economic impact of the new holistic solutions from Life Cycle perspective
- Develop policies aimed at increasing C&DW recovery and recycling

Project Partners

