

Deliverable D1.1

Selection/identification of the typologies of building waste to be mixed to geopolymer materials

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Publishable summary

Deliverable D1.1a “Selection / identification of the typologies of building waste to be mixed to geopolymer materials” is a confidential document delivered as part of WP 1, Task 1.1: Identify, collect and categorize the typologies of building waste to be mixed to geopolymer materials and pilot production.

This is the first of two documents that are related to the production of the secondary raw materials that will be subsequently mixed with the geopolymers. The first phase will form the basis for the second document (D1.1b due at month 8), which will deal with the description and testing of the new SRM pilot production plant by ECO as well as the actual SRM production to be used in the subsequent stages of the project.

This document illustrates the first fundamental steps taken in the development of the InnoWEE project, and comprises the following:

- o description and classification of the main CDW typologies at the European level;
- o description of the CDW recovery presently carried out at ECO including identification, pre-selection and treatment;
- o description of preliminary analyses carried out on the CDW and SRM material carried out by ECO;
- o evaluation of suitability of different CDW materials from ECO for geopolymer formulations and preliminary selection of CDW for geopolymer production

Abbreviations

InnoWEE	I nnovative pre-fabricated components including different W aste construction materials reducing building E nergy and minimising E nvironmental impacts
CDW	C onstruction and D emolition W aste
EU	E uropean U nion
GA	G rant A greement
GP	G eopolymer
SRM	S econdary R aw M aterial
WGP	W ood G eopolymer