

“Mobile and Innovative Circularity for Construction Products” (MOBICCON-PRO) – Horizon Europe project

Brief description and main aims:

The MOBICCON-PRO project will develop and demonstrate integrated innovative circular solutions to recover resources from construction and demolition waste (CDW) and decrease consumption of raw construction materials by applying in-situ selective separation/demolition, novel CDW recycling and production of recycled and innovative construction materials, components and products.

Specific objectives of the project:

- Create a Territorial hub for Circularity.
- Develop and streamline innovative digital technologies to support selective separation and demolition.
- Build and test a CDW Treatment Mobile Plant (MPP).
- Develop, certify, and produce innovative construction materials from recycled/recovered CDW.
- Demonstrate the territorial circular concept for CDW in different locations to prove replicability.
- Communicate, disseminate, and exploit the results of the project during and after its expected duration.

Coordinator of the project - Glavbolgarstroy Holding AD (GBS) in Bulgaria.

Why FIEC is dealing with this topic:

The transition towards a circular economy is a global challenge. The EU Green Deal aims to transform industries to reduce waste generation, foster recycling and make circular products the norm in the EU. Among the sectors that are expected to contribute to this circular journey, the construction sector is one of the most promising. The sector has a substantial impact on a number of economic sectors in the EU – making up to 10.5% of EU-27 global added value – and significantly contributes to employment offering 22 million jobs, driven mainly by SMEs. When looking at its environmental impact however, construction sector consumes significant amounts of resources, accounting for approximately 50% of all extracted materials. At the same time, the sector is responsible for more than 37% of the EU's total waste generation, making it one of the biggest waste streams in Europe.

Given the pressing need of a new modus operandi to increase the availability of reused and recycled construction products across the EU, the idea of MOBICCON-PRO project has come about. Its main objective is to demonstrate and deploy an innovative mobile and territorial solution for construction and demolition waste (CDW) management that increases the uptake of recycled construction products in the Southeast Europe region.

Actions and key dates:

December 2022 – Start of the project.

17 January 2023 – 1st General Partners meeting in Sofia.

25 February 2023 – 2nd General Partners meeting in Sofia.

21-22 November 2023 – 3rd General Partners meeting in Copenhagen.

28-29 May 2024 – 4th General Partners meeting in Sofia.

19-20 November 2024 – 5th General Partners meeting in Brussels.

December 2027 – End of the project.