

New Circular Economy Business Model for More Sustainable Urban Construction



Newsletter 4

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[@CinderH2020](https://twitter.com/CinderH2020)

[CINDERELA Project](#)

Editorial

Dear Readers,

The CINDERELA project, which develops and demonstrates new business models (CinderCEBM) for companies based on waste-to-resource opportunities is in November 2022 coming to its end. We are proud and happy when looking back to this extraordinary journey of four years. Almost all project goals are now realised, with some of the tasks just to be finalized. During the project 12 large-scale demo cases for production and use of Secondary Raw Material (SRM)-based construction products, which are now in its final phase, revealed the opportunities and possibilities to reuse several different materials in construction sector, thus decreasing materials costs, reducing waste, and lowering embodied carbon footprint. Accompanied by the CINDERELA One-Stop-Shop, CinderOSS, which is an interactive environment providing access to all aspects (...)

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News from demo-sites and pilots

★ NIGRAD's activities at demo sites - Construction of a building with SRM-based materials



The CINDERELA project is coming to an end this year. One of the important project activities are the pilot demonstrations which serve as a test track for proving the applicability of the individual elements of the circular business model as well as testing different functional and systemic environments for circular construction.

Nigrad as the project partner of CINDERELA, handles several demonstrations that take place in Dogoš, Maribor. These are: (...)

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★ Construction of a road with SRM-based materials

Three pilots were developed in Maribor, Skopje and Madrid to demonstrate the feasibility of different circular economy business models that propose the construction of three roads construction using construction products manufactured with different recycled wastes, mainly CDW, according to the composition defined and tested during the previous steps of the project.

The Maribor pilot road construction is a road of approximately 200 meters (...)

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★ Production of SRM construction products for building and civil engineering applications



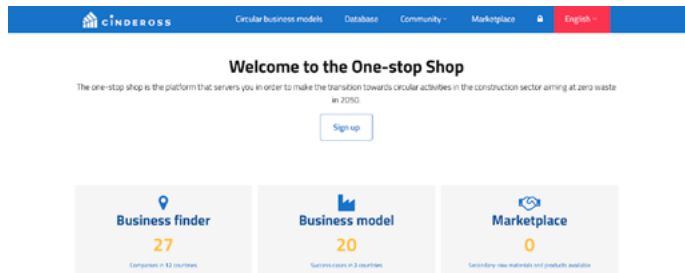
The pilot project addresses the challenge by assessing industrial waste to the possibilities for resources, development and testing of new construction materials based on secondary raw materials and their application for revitalization of degraded area.

The pilot production plant in Skopje, Republic of North Macedonia is focused on the development of SRM-based construction material analysing the technical (...)

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News on CinderOSS and CinderCEBM development

★ Conclusions from technical seminars and the challenges of setting such a system



The CINDERELA One-Stop-Shop, CinderOSS is an interactive environment providing access to all aspects of the value chain of SRM-based construction products. The development of the tool initiated in the first project year and for which a beta version was released in June 2020, contemplates through a co-creation and co-design process several feedback loops with stakeholders on the customer readiness of its tools as well as to create a network for their exploitation and dissemination.

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Other developments

★ LCA Executive results

Life Cycle Assessment (LCA) has been performed on the different demo cases carried out in four Countries (North Macedonia, Slovenia, Spain and The Netherlands) within the Cinderela Project, in order to measure the overall environmental footprint of the full construction works represented in each demo, as well as to compare the SRM based construction products produced, against the virgin conventional systems which are going to be substituted by the SRM based construction products.

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★ Market analysis/potential for SRM based construction materials: key challenges and opportunities



The Market Analysis conducted during the Project was aimed at providing relevant information about the current and the future functioning of the SRM based product market in order to evaluate the market potential of some of the CINDERELA Exploitable Results, namely CINDERELA One-Stop-Shop (CinderOSS), Circular Economy Business Model (CinderCEBM) and Innovative SRM-based products and related technological processes.

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Project news

★ CINDERELA at SmartCITY Expo World Congress 2022 in Barcelona



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SAVE the DATE CINDERELA Project Final Event

CinderOSS - a tool for building circular construction digital hubs in cities

Hybrid Event

17 November 2022 | 9:30 - 11:30 | Room 1.1

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This project has received funding from the European Union's Horizon 2020 Research & Innovation Programme under Grant Agreement No 776751



★ CINDERELA at ECOMONDO 2022 in Rimini



New Circular Economy Business Model for More Sustainable Urban Construction



SAVE the DATE CINDERELA Project Final Event

Boosting circularity in urban construction: new business models and digital tools

11 November 2022 | 9:00 - 13:00

Pavilion A7/C7 | Room "Cedro"

www.cinderela.eu

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Project partners



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