

Digital tools for urban mining

ONLINE BY ZOOM

Regional Innovation Hub
for Digital Deconstruction 

Subscribe 



Wednesday, June 23, 2021

15:00 – 17:15

The Regional Innovation Hub brings together industry front runners and others interested in digital tools for reuse and recycling. This network allows you to explore possibilities to use digital technology for urban mining – through both demonstrations and practical use cases. You will also discover first-hand the innovative digital tools developed by the Digital Deconstruction project and share experiences with front runners in the sector.

Intended audience:

General and demolition contractors, architects and consultants, public or private clients interested in circular economy, software developers, stakeholders in the reclamation and recycling industry.

Programme

- 15:00** Digital tools for urban mining
BBRI (NL/FR)
- 15:25** Demonstrating current developments in Belgium: What's happening now
Artificial Intelligence, 3D models and digital tools
BBRI, BESIX (NL/FR)
- 16:00** Technologies and tools developed in the DDC project:
Elevator pitches
Block Materials, GTBLab, BIM-Y, LIST (NL/FR/FR)
- 16:45** Regional Innovation Hubs: A 2-year trajectory (NL)
- 17:15** End

Would you like to get hands-on experience with innovative digital tools for urban mining and discuss your experience with industry pioneers? [Why not join](#) Belgium's Regional Innovation Hub on Digital Deconstruction for its first interactive session! Event featuring presentations and demos, alternating with Q&A and audience interaction.

Language: FR, NL + interpreting planned



DIGITAL DECONSTRUCTION

Advanced digital solutions supporting reuse and high-quality recycling of building materials

2019 – 2023

Today, the majority of construction and demolition waste is destined for low-value recycling, landfill or incineration. In North-Western Europe, less than 3% of demolition waste is reused or recycled in high value applications. Using digital technologies in the demolition sector will help to better exploit and realize reuse & recycling opportunities.

In this context, the Interreg project **Digital Deconstruction (DDC)** is developing advanced digital solutions supporting reuse and high quality recycling of building materials.

Project development

The project develops the following main outputs:

- **The development of innovative digital tools: 3D scan, BIM, material database, Blockchain technology** that enables a deconstruction and waste management strategy in a sustainable and economic manner. The tools will be integrated into an interactive DDC Platform, accessible as an open-source software package for further development.



- The deployment of a network of **Regional Innovation Hubs (RIH)** that support the optimization, validation and widespread of innovative digital tools for urban mining. Co-development will be undertaken to enable adaptation to the different market and industry needs, to ensure a broader knowledge base of digitally assisted deconstruction processes and to pave the way for higher volumes and a constant flow of recovered materials.
- **5 pilot sites to** test and assess digital tools for urban mining in operational environment.

Project goal

The integrated Digital Deconstruction software system will enable reuse and high-quality recycling of at least 25% of materials sourced from deconstructed buildings, which contributes to a circular economy and a green environment.

