ISSUE 4

CARBCOMN

Carbon-negative compression dominant structures for decarbonized and deconstructable concrete buildings

WATCH THE OFFICIAL CARBCOMN PROJECT VIDEO!

WATCH THE FULL VIDEO ON CARBCOMN YOUTUBE CHANNEL AT THE FOLLOWING LINK

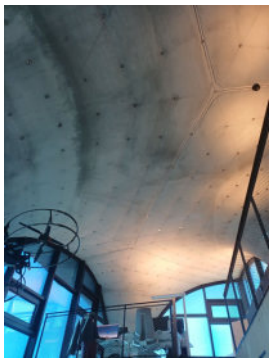
CARBCOMN Project: Building the Future with Carbon-Negative, Deconstructable Concrete

IN THIS VIDEO, YOU'LL GET AN INSIDE LOOK AT HOW OUR INTERDISCIPLINARY TEAM COMBINES MATERIAL SCIENCE, 3D PRINTING, STRUCTURAL ENGINEERING, AND CIRCULAR DESIGN TO RESHAPE FUTURE ARCHITECTURE.

LET US KNOW YOUR THOUGHTS IN THE COMMENTS, AND SHARE WITH YOUR NETWORK TO SPREAD THE WORD ABOUT SUSTAINABLE CONSTRUCTION!

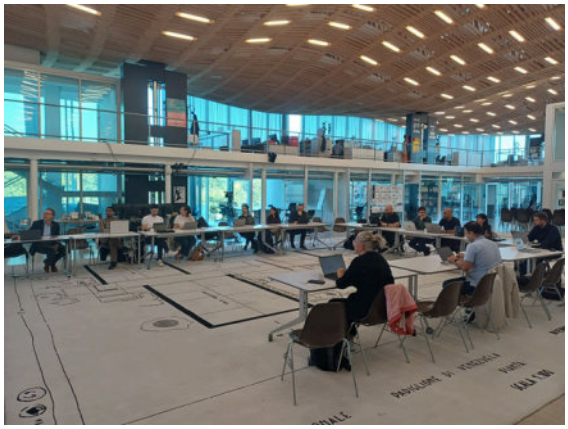
PROJECT MEETING IN ZURICH

On September 22–23/2026, our consortium gathered in **Zürich** for Project Meeting #5 marking the **completion of Year 2** of our journey toward decarbonized and deconstructable concrete structures.



Hosted across two inspiring institutions (**EMPA** and **ETH Zürich)** the meeting was packed with technical progress, strategic alignment, and collaborative vision:

- **Technical Advances**
- **On-site Inspiration**
- **Looking Ahead**



NET-ZERO FUTURE 2026 CONFERENCE

DRIVING DECARBONIZATION IN CONSTRUCTION

The CARBCOMN Project was proudly represented at the Net-Zero Future 2026 conference in Darmstadt, Germany (Sept 30 – Oct 2).

Our partners shared groundbreaking research and advancements toward low-carbon, deconstructable concrete structures.

PORTFOLIO: DIGITRIO NEWS

CARBCOMN participated in the **New European Bauhaus Festival** as part of DIGITRIO, an initiative supported by the European Innovation Council. The festival represents a unique platform where sustainability, innovation, and design converge to rethink the future of the built environment.

Participating in the NEB Festival allowed us to:

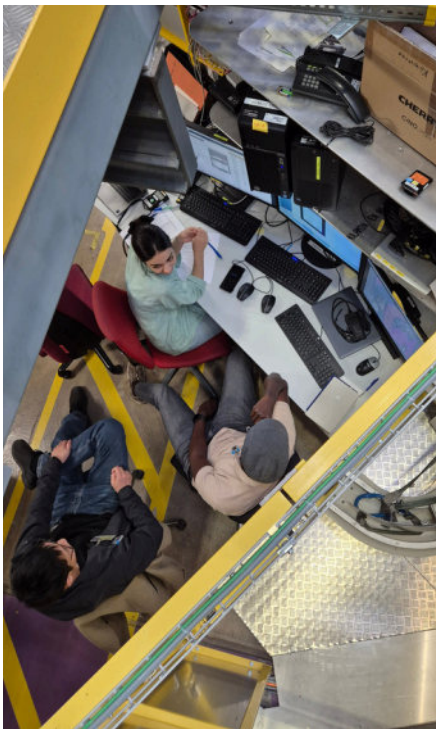
- Engage with a vibrant community of innovators and stakeholders
- Share our research and vision
- Strengthen collaborations toward a more sustainable future

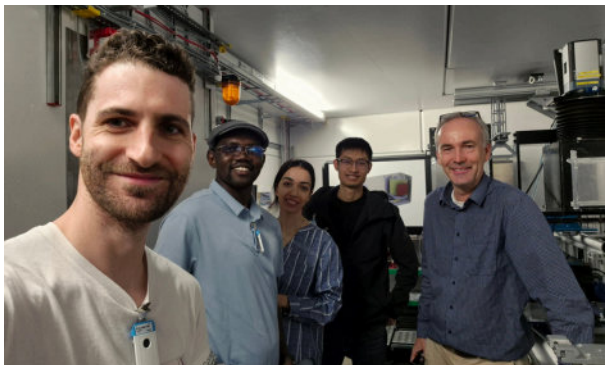
MIDTERM EVENT FOR CARBCOMN AT SMAR 2026

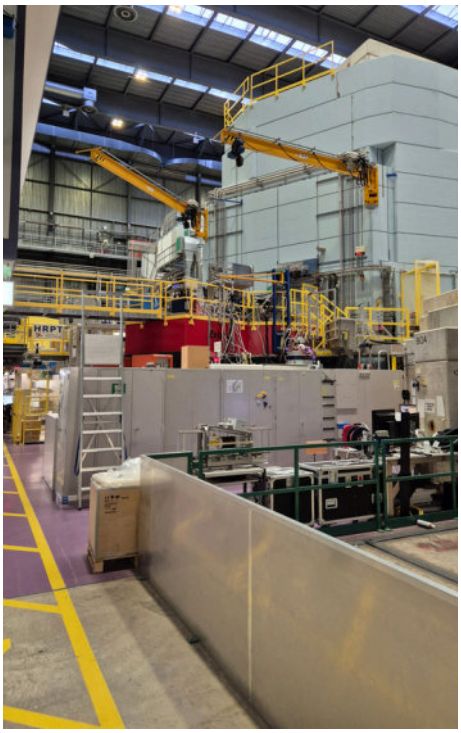
Our minisymposium was a resounding success, featuring 12 inspiring presentations spread across two dedicated sessions. It was an extraordinary opportunity to share our outcomes and future developments with an international scientific audience.

PROJECT ACTIVITIES

The team at Ghent University were granted a proposal for neutron imaging on specimens with CARBCOMN material at Paul Scherrer Institute. The aim was to investigate moisture retention in 3D printed specimens and its effect on the carbonation process. 140 samples were constructed and after several sleepless nights, the team went home with a lot of data to process and some interesting new insights.







STAY TUNED

For more information about CARBCOMN visit our webpage and follow us on social media for updates. To get directly in touch you can reach as at: info@carbcomn.eu.

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This issue of the newsletter is brought to you by Marco Pepe, Carmine Lima, Kim Van Tittelboom and Ticho Ooms.

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