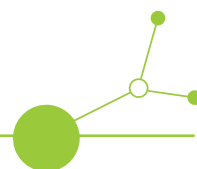




ReBuilt

NEWSLETTER



Number 2
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A. 3rd Coordination Meeting



During the last days (12. 3. - 14. 3. 2024) the 3rd coordination meeting of the InterregCE project ReBuilt took place at ZAG Slovenia, which is the lead partner of an international consortium of 14 partners from 9 EU countries.

Coordination meetings are key to establishing effective communication, cooperation and coordination of activities between all project partners. That is why we met the project partners of the ReBuilt project at the Slovenian National Building and Civil Engineering Institute. We were very happy to meet again in person.

B. Good practice - Construction Reuse Centre at partner PP3 (Nigrad d.o.o., Slovenia)



More recycling means less waste.

How does this work in construction?

→ The ReBuilt partners took part in an expert excursion to the **Nigrad Construction Waste Reuse Centre (Maribor, Slovenia)**, where they demonstrated the process from recycling old concrete to building house from recycled materials.

The Dogoše site, part of Nigrad, was built in 2020 as part of the Cinderella Horizon project. As part of the project, a house was built using

secondary raw materials, mainly recycled concrete blocks. They also built a road made of secondary raw materials, an embankment also made of recycled asphalt and much more. The site has been upgraded as part of the Life IP Restart project, where a material bank has been set up to store public property that has already been used by the City of Maribor and will be reused in future projects. They are also in the process of establishing a land investment bank, which will serve both municipal projects and all the inhabitants of the City of Maribor. They will continue to develop the site as part of the Re-Built project, where they will test panels made of hempcrete.



c. The 1st transtational Central European Circular and Digital construction conference

➔ For the ReBuilt project partners, **circular construction is not just an acronym**, which is why they organised the **1st Central European Conference for Circular Digital Construction** on 13 March 2024 at the premises of the Building Research Institute of Slovenia.

The construction sector **consumes 50% of all mined raw materials in Europe**, and by 2060, the demand for rock raw materials suitable for construction (aggregates, limestone for cements) will increase the most of all raw materials to **55 gigatonnes of global consumption**.

What is the solution? Circular construction (reuse, use of secondary raw materials, re-use of construction and other processes according to R-hierarchies), supported by digitalisation.

The conference, organised in the framework of the **Interreg Central Europe #ReBuilt project**, presented some excellent circular construction practices and digital tools (e.g. Digital's Product Passport, Digital's Construction Logs, Circular Construction Platforms, etc.) and the innovation ecosystem created by companies, research and academic institutions and local/regional/national communities.





D. The Regional workshop for mapping of barriers and opportunities for circular and digital construction (D1.1.1.)

➔ HUNGARY

Name of the event: **ReBuilt regional miniconference and workshop - Circular and digital construction in Hungary**

Date: 18.01.2024, Number of participants: 15

The Regional Workshop for circular and digital construction sector took place in Hungary at the Hungarian Contemporary Architecture Centre. The mini conference and workshop was preceded with a morning session, a site visit at a renowned architecture office, Bánáti & Hartvig Architecture Office, that has already experience with circularity. The participants could learn, how the architecture office found their new home, that was refurbished based on the circularity principles, what challenges they had to face and how do they see the circularity in their works.



➔ POLAND

Name of the event: **Public consultations on the draft Waste Management Plan for the Silesian Voivodeship for 2023-2028 years (Pgows2028). Workshop with representatives of municipalities and entrepreneurs - ReBuilt thematic session.**

Date: July 27 and 28 and August 2 and 3, 2023

Number of participants: 210 participants in four sessions

Workshop in Poland covering the analysis of six stages of the building life cycle (design of buildings, production of building materials, construction of buildings, operation of buildings, deconstruction and/or demolition of buildings, material recovery) in terms of horizontal issues.

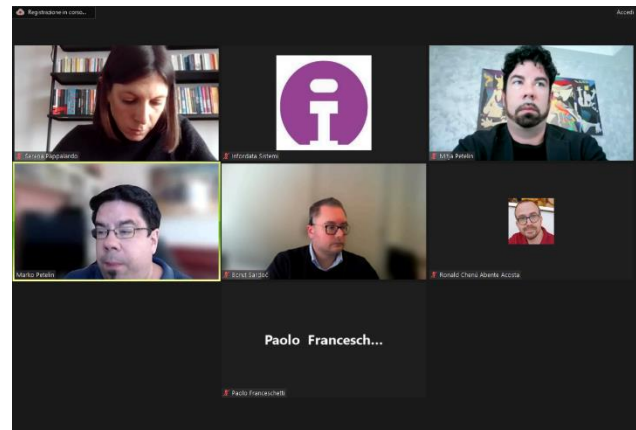
➔ ITALY

Name of the event: **“Nuovi Approcci e Tecnologie per un’Edilizia Sostenibile, Digitalizzazione, Valorizzazione delle materie prime seconde, Biomateriali e Passaporto digitale” (New Approaches and Technologies for Sustainable Construction, Digitisation, Valorisation of Secondary Raw Materials, Biomaterials and Digital Passport)**

Date: 05.03.2024, Number of participants: 21



In their recent workshop they delved into crucial aspects of sustainable practices and circular economy in the building industry. Throughout the event, they aimed to update stakeholders on the current legislative landscape and its existing gaps (eg. lack of rules to promote reuse of material in new ways), shedding light on areas that require attention and improvement. Exploring new approaches to enhance circularity emerged as a key theme, emphasising innovative strategies to minimise waste and maximise resource efficiency. They also tackled the transformative power of digitalization in building trust within the realm of secondary raw materials. The integration of digital platforms and marketplaces has become a pivotal factor in streamlining processes, fostering transparency, and ultimately promoting the increased reuse of materials. Additionally, their discussions extended to the adoption of new technologies for recycling on construction sites. This exploration aimed to showcase advancements that can reshape and revolutionise our approach to waste management and sustainability within the industry.



→ SLOVAKIA

1st workshop

Name of the event: **Board of Director Association of construction entrepreneurs of Slovakia**

Date: 22.01.2024, Number of participants: 11

2nd workshop

Name of the event: **1. Slovak Workshop ReBuilt project**

Date: 25.01.2024, Number of participants: 21

Initial mapping in Slovakia was realized in close cooperation of both Slovak partners of ReBuilt project. Partners from Slovakia organized two separate workshops, each one in different part of country.

First one was connected event with regular meeting Board of Director Association of construction entrepreneurs of Slovakia. This meeting was organized in Košice (second largest SK city) in eastern part of Slovakia on 22nd of January 2023. This workshop brought inputs and findings from business perspective of construction sector.





Second ReBuilt workshop was fully dedicated to project objectives. Event took place in Faculty of Civil Engineering on 25th January 2023 in Bratislava (western part of country). Agenda of this event cover all topics ReBuilt project.

Key findings:

- Missing clear national legislation framework for reuse of construction materials
- Missing national strategy for circular economy in construction sector
- No specialized training courses dealing with circular economy in construction sector

➔ CZECH REPUBLIC

Date: 22.11.2023, Number of participants: 19

Czech Green Building Council as the only Czech project partner in the consortium organized a specific workshop related mainly to continuation of initial mapping. The mapping has been initiated soon after the project ReBuilt started and its content has been several times discussed during relevant events and meetings before they introduced first draft of the mapping files.

The Workshop helped broaden their knowledge in the area on one hand and bring deep overview of the project ReBuilt to relevant stakeholders.

Main findings:

- They have to endorse existing national strategy for circular economy and support creation and monitoring of ambitious but feasible action plan.
- Cooperation with the Ministry of Industry and Trade and the Ministry for Environment are the most crucial partners.
- It is necessary to fill gaps in quality data about existing state of the art in circularity and digitalization.
- They have to focus on “powerful” stakeholders that can help us accelerate and push for better legal and less bureaucratic construction environment. Powerful means big organizations, well and longtime established organizations or some state entities.
- Find synergies with organizations having similar goals, e.g. Incien (Institute for Circular Economy).





→ GERMANY

Name of the event: **Stoffkreislauf mineralischer Bauabfälle -Verwertung im R-Beton. Erfahrungsaustausch und Diskussion / Material cycle of mineral construction waste - utilization in R-concrete. Exchange of experience and discussion**

Date: 12.12.2023, Number of participants: 40

The Munich University of Applied Sciences (HM), a project partner in the consortium, organised a special workshop in December with the main objective of bringing together the different stakeholders and discussing the main barriers to the use of recycled aggregates in concrete. All stakeholders listed in the initial mapping (A1.1) were invited to attend the workshop and also to participate in a survey on the main applications and main barriers of the circular economy in mineral recycling. The idea of the workshop was to identify and discuss gaps and potentials in the implementation of the construction materials cycle and construction education. In order to get a broad picture, the workshop was aimed at different stakeholders, including the public sector, recycling and ready-mixed concrete industry and construction companies.



→ AUSTRIA

Name of the event: **Circular and Digital Construction in Austria - Current status and educational gaps**

Date: 11.12.2023, Number of participants: 28 active participants / 41 registrations received

In the frame of Activity A1.1 “Initial Mapping of Stakeholders and the State-of-the-Art in central European construction and spill-off sectors”, a workshop on “Circular and Digital Construction in Austria - Current status and educational gaps” was held online in collaboration with the Climate Lab. The objective was to identify the state of the art, barriers and potentials of implementing circular and digital construction practices in Austrian education programmes. In an initial impulse phase good practices were presented by presenters from the stakeholder groups university, architecture and small and medium enterprises (SME). The presented inputs laid a foundation for the two focus groups. Group 1 specialized on university students whilst group 2 gathered vocational students and industrial stakeholders (architecture, construction industry and SME).





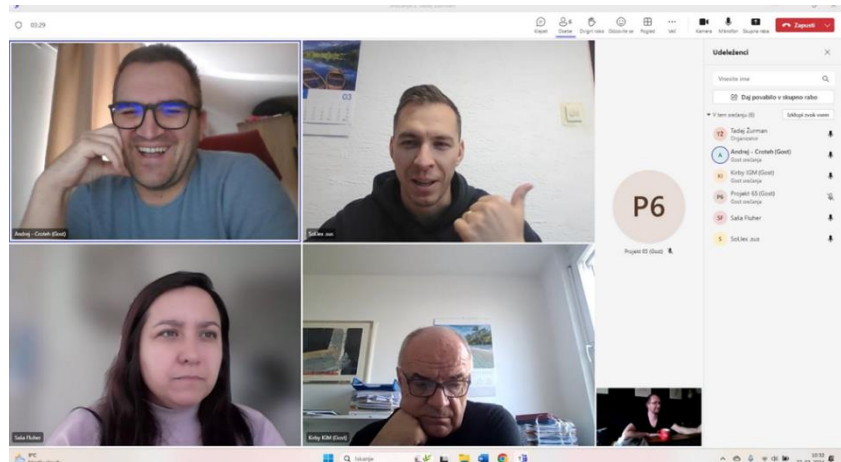
➔ CROATIA

Name of the event: **Regional workshop for mapping of barriers and opportunities for circular and digital construction**

Date: 27.3.2024, Number of participants: POR + 5

The regional workshop was designed to offer more personal, in-depth approach, resulting in very focused discussion on the topics chosen:

1. Identification of relevant policies, strategies and legislation and
2. Barriers, potentials, and social acceptance of circular construction to cope with the issues that Croatia is facing:



- About 6 million tons of waste is produced in Croatia every year (about 1.5 tons per person per year).
- Croatia's economy is only 2.7% circular.
- Most of this waste comes from the construction sector and households.
- The waste management system in Croatia relies mainly on landfilling; 58% of the municipal waste produced in Croatia ends up in one of 80 active landfills in the country.
- Illegal landfilling remains a long-lasting problem.
- The construction and demolition waste sector have large material and carbon footprint and were also affected by the devastating earthquakes of 2020 and the related surge in construction and demolition waste.
- Only 5% of construction waste is recovered in Croatia.

STAY WITH US FOR MORE INSIGHTS!

