

OUTPUT FACTSHEET

Project index number	CE0100390	Acronym	ReBuilt			
Output type ("x" to be included)	Strategy/ action plan		Pilot action	x	Solution	
Output number (O.xx)	1.2	Output title	Pilot testing of ReBuilt training programme, including MOOC			
If the output target is > 1 in the AF, please specify the output(s) described in the factsheet	1					
Output delivery date	31.3.2026					
Project website	https://www.interreg-central.eu/projects/rebuilt/					
Summary description of the output <i>Please present the output by addressing the following topics.</i>						
<i>Territorial challenges and needs in the regions specifically addressed by the output</i> (max. 700 characters)						
Central Europe faces a skills and implementation gap for circular and digital construction: fragmented know-how across countries and professions, uneven awareness of circular solutions, limited practical guidance for public authorities and industry, and rapidly evolving regulatory and digital requirements. The pilot testing addresses the need for an accessible, transnational training offer that is usable in practice and scalable across the programme area.						
<i>Main aim(s) of the output and how it contributes to tackle the identified challenge(s)</i> (max. 500 characters)						
To validate and refine the ReBuilt cross-national training programme (including the MOOC) in real conditions, ensuring it effectively builds skills for circular and digital construction across target groups. By testing usability, content relevance, learning progression and multilingual functionality, the pilot ensures the final training solution is practical, scalable and ready for uptake across Central Europe, helping close the regional skills and implementation gap.						
<i>Technical description of the output (e.g. scope, main features, innovative elements etc.)</i> (max. 1500 characters)						

Output 1.2 piloted the ReBuilt cross-national training programme in a real environment, combining hybrid training events (Activities 1.2 and 1.3) with a Moodle-based MOOC pilot as the scalable digital component (A1.4). The tested MOOC consisted of four learning tracks tailored to key audiences (Government/Public Servants; University & VET; Industry/SMEs/Architects/Investors; and a Wide Public track focused on illegal C&D waste dumping), structured into modules that combine expert video lectures, quizzes, and supplementary learning resources. The solution used a blended digital toolset: Moodle LMS for course delivery, analytics and role-based course management, and unlisted YouTube hosting for stable video streaming and caption workflow. A key innovative element was the multilingual delivery model: English served as the base language, supported by AI-assisted subtitle translation and partner QA to ensure linguistic accuracy across project languages. The pilot applied a multi-layer evaluation approach, combining Moodle analytics (registrations, participation patterns, completion of activities/modules and quizzes), embedded Moodle feedback forms, and external structured surveys (SurveyMonkey) to validate usability, relevance and learning impact. Internal quality assurance included structured pre-launch testing and bug fixing prior to the go-live.

Involvement of target groups during output development and/or implementation
(max. 700 characters)

Target groups were involved throughout output development and implementation via trainings (Activities 1.2 and 1.3), a Train-the-Trainer process and real-life MOOC pilot testing. During the pilot, 81 participants from 13 countries engaged with the MOOC (CZ 48; PL 9; SI 5; DE 4; AT/FR 3 each; HR/HU 2 each; BR/GB/IN/IT/SK 1 each). Participants self-identified organisation type (multiple selections possible): architects (43), other (23), construction companies (9), developers (9), manufacturers (8), investors (6), professional organisations (5) and financial institutions (5). Feedback informed final adjustments to content, usability, quizzes and multilingual delivery.

Cooperation dimension of the output, i.e. joint development within the partnership and, if applicable, joint implementation (see output indicator definitions in chapter I.3.3 and Annex 2 of the programme manual)
(max. 700 characters)

The pilot was jointly implemented by the consortium. All partners supported translations, piloting and feedback collection in their countries. CZGBC provided operational coordination, dissemination and participant onboarding. TU Wien and CZGBC jointly shaped the feedback mechanism and evaluation approach and consolidated results. ZAG provided technical supervision of the Moodle environment and supported technical troubleshooting. Findings were shared and used for coordinated improvements across courses.

Results - expected change and lasting effects in the territories generated specifically by the output, its uptake by relevant organisations and benefits for target groups
(max. 1000 characters)

The output strengthens territorial capacity for circular and digital construction through a scalable, multilingual MOOC that upskills key actors across the construction value chain. Learners reported a measurable knowledge gain (weighted self-assessment increased from 5.5 before to 7.17 after the MOOC). The training supports public authorities in policy implementation and circular public procurement, helps universities/VET modernise curricula, and enables SMEs, architects, investors and contractors to apply circular and digital practices in design, material selection, deconstruction and reuse. Uptake is supported via partner networks and the Regional Circular and Digital Construction Hubs, ensuring continued access and updates, with lasting effects in skills, adoption of circular solutions and a stronger cross-border knowledge base.

Ownership and durability of the output after the project end, considering financial and institutional support including, if applicable, maintenance
(max. 700 characters)

The MOOC will be maintained by ZAG, which is hosting the platform and will ensure technical operation and functionality beyond the project duration. ZAG has also applied for a follow-up Interreg grant to continue improving and updating the MOOC content, including updates required by evolving legislation and technical practice. For further exploitation and potential monetisation, future iterations should strengthen learner engagement and align the format with market expectations, e.g., by reducing the length of videos and increasing the proportion of shorter, more dynamic learning units comparable to commercial e-learning solutions, and introduce certification as a key driver for completion.

Transferability of the output to other territories, sectors or target groups and planned measures for supporting such transfer

(max. 700 characters)

Transferability is generally strong, as the MOOC content can be localised efficiently using AI-supported, human-proofed subtitle translation. However, Moodle currently treats each language version as a separate course, which means full multilingual roll-out requires significant capacity. To address this challenge, a more “web-like” authoring/delivery solution could be explored in future iterations (e.g., Articulate Rise), where multilingual content management is typically more flexible. Feedback from some learners also indicated that parts of the content (especially regulatory topics) may be less relevant in certain countries due to differences in national legislation. Future iterations should add country-specific content for regulatory topics, and enabling national add-ons while keeping a shared core curriculum.

Related final deliverable(s) (Number(s) and title(s) to be included)	D.1.4.1 Developed concept of Fit for Circular and Digital MOOC. D.1.4.2 Train-the-trainers on-line course D.1.4.3 Testing of the Fit for Circular and Digital Construction MOOC with tutorials D.1.4.4 "Summary report on final solution of jointly developed cross national training programme." D.1.3.1 "Internal trainings to pretest the Fit for circular and digital construction" D.1.3.2 Report on educational and training events - university programme D.1.3.3 Report on educational and training events - lifelong training programme D.1.3.4 Report on educational and training events - public servants training programme D.1.3.5 Report on educational and training events - architects and investors training programme D.1.3.6 Summary report on all pilot activities for different stakeholders groups
Output web link (if applicable)	https://circularconstruction.zag.si/classroom/
GPS coordinates (if applicable)	