Eco-construction in the digital age

Newsletter #0 – Project Presentation



Environmental issues
Promote the use of bio-based materials and sustainable techniques to address the environmental challenges of the construction sector.

Digital challenges
Developing digital and interactive educational tools to modernize the learning of eco-construction.

Training in the construction sector
Facilitating access to training, strengthening employability and harmonizing skills at the European level through a digital educational platform.

Cofinancé par l'Union européenne

This project was funded with the support of the European Commission.
This publication (communication) reflects only the views of its author and the Commission is not responsible for any use which may be made of the information contained therein.
Eco-construction in the digital age - Project Code: 2025-1-BE01-KA220-VET-000364601 Project ref.: 25PCP0003

From IBIS to ECO-ReDi, the origins of the project

The construction sector is facing an accelerated ecological and digital transition: the arrival of new bio-based materials, the rise of digital tools on construction sites, and a growing need to train people far removed from the job market in these new practices. In response to these observations, an initial initiative was launched in Belgium in 2022, followed by the IBIS project (2023-2024), which raised awareness among trainers about eco-construction and developed initial educational resources and training sites.

This work revealed limitations: a lack of digital tools to enrich learning, and still insufficient accessibility for those undergoing career transitions or far removed from employment. ECO-ReDi was created to overcome these limitations and extend this momentum to a European scale, by bringing together five partner organizations.



IBIS

The objectives of ECO-ReDi

Develop an interactive digital platform

with modules, technical sheets and video tutorials, accessible on computer and tablet, to allow flexible and autonomous learning — particularly useful for audiences constrained by mobility or availability.

Create an immersive serious game

to virtually experiment with eco-construction techniques and bio-based materials before their real implementation on construction sites, in a risk-free environment.

Train the trainers

to the use of these digital tools, via dedicated educational materials and training sessions.

Validate the tools in real-world conditions

in collaboration with building professionals, to ensure that the skills acquired are directly applicable to the job market.

Disseminate the results on a European scale

via the EPALE platform and resources translated into French, English, Italian and Spanish.

ECO ReDi
Where Eco-Construction Meets Digital Innovation

Key information from ECO-ReDi

two and a half years

5 partners

4 countries concerned (Belgium, France, Spain and Italy)

ERASMUS+ project

The consortium

AID
Actions Intégrées de développement

A umbrella organization federating 27 socio-professional integration associations in French-speaking Belgium, active in particular in training for construction and eco-construction trades.

ANAB
ASSOCIAZIONE NAZIONALE ARCHITETTURA BIOECOLOGICA

Leading Italian association since 1989 for training, certification and awareness-raising in eco-construction and bio-construction.

APLOMB
APPRENDRE À CONSTRUIRE

Training organization dedicated to eco-construction, heritage restoration and the reuse of building materials.

Fundació TRINIJOVE

A foundation dedicated to the social inclusion and professional integration of vulnerable groups, through training in green jobs and the circular economy.

petra
L'alternative à la création d'entreprise

Cooperative supporting entrepreneurship and the restoration of built heritage, through traditional construction techniques.

FOLLOW US!

Cofinancé par l'Union européenne

This project was funded with the support of the European Commission.
This publication (communication) reflects only the views of its author and the Commission is not responsible for any use which may be made of the information contained therein.
Eco-construction in the digital age - Project Code: 2025-1-BE01-KA220-VET-000364601 Project ref.: 25PCP0003