ECOReDi

Where Eco-Construction Meets Digital Innovation

Presentation leaflet

Eco-construction in the digital age

two and a half years

4 countries concerned

5 partners

ERASMUS+ project

Co-funded by the European Union

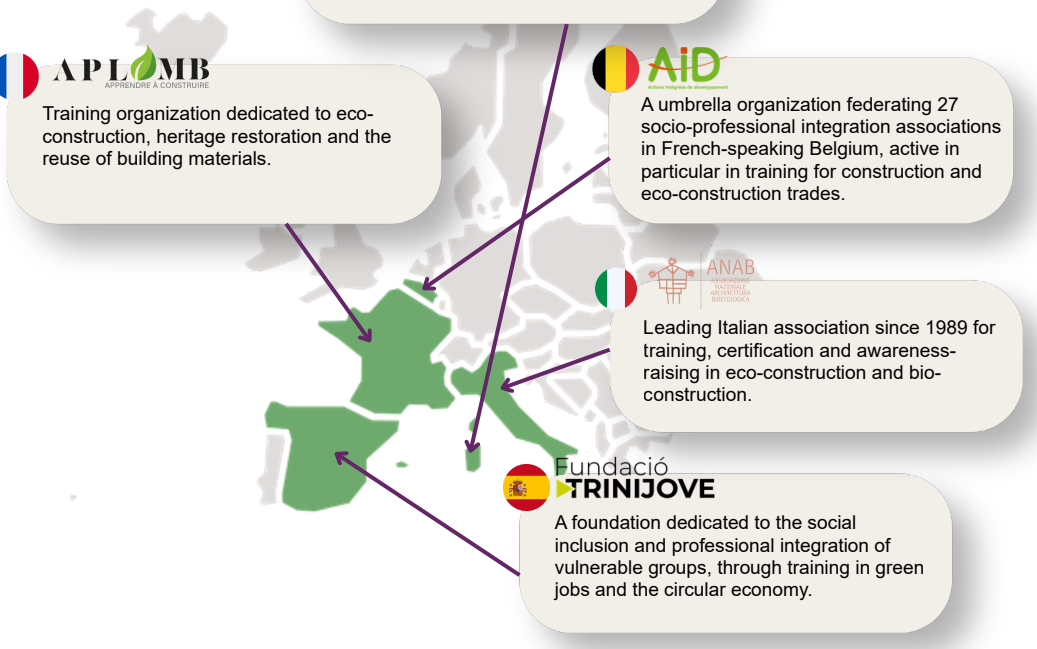
Three key elements about ECO-ReDi

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.

The partners meet around ECO-ReDi



The origin 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.

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.

The work packages for this project

- **Work package 1 :** Project Management
- **Workpackage 2 :** Communication et dissemination
- **Work package 3 :** Methodology and Educational Resources
- **Work package 4 :** Platform and game development
- **Work package 5 :** Training and awareness
- **Work package 6 :** Project evaluation and quality

Feel free to explore the project website and our various pages to follow the project's progress and results.

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