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Newsletter 5

Erasmus+ BUILDING MATTERS Project Successfully Conducted 4 Work Packages to Promote Sustainable Building

A tentative resume prior to the final conference

The BUILDING MATTERS project, supported by Erasmus+ under the grant agreement 2022-1-RO01-KA220-VET-000087398, has made significant strides in advocating for sustainable building materials through a series of work packages. These work packages were developed and organized based on a well-balanced methodology as part of the project, aligning with the European Green Deal and the New European Bauhaus initiative.

The Building Matters project aims at mitigating the risks associated with the transition to sustainability in the construction sector by empowering key stakeholders through education and collaboration. In work package no. 4 the previous works in packages 1-3 merged in a promotion in order to deploy an *Awareness Raising Package* across Europe, particularly targeting vocational education and training (VET) learners and promoting results developed and published on:

Results web site: <https://www.buildingmatterslearning.org/>

About the project: <https://buildingmatters.gzs.si/vsebina/EN>

The final project meeting and conference will take place on 12th of September 2024 at Chamber of Commerce and Industry of Slovenia in Ljubljana.

Overview of WPs conducted so far

Transnational Report on Sustainable Building Materials Awareness and Competence – a Transnational Toolkit

This report aims at providing a comprehensive Sustainable Building Materials Awareness and Competence Transnational Toolkit that fosters a deep understanding of sustainable building materials and addresses the challenges associated with their implementation. The package



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aims at raising awareness and building up competences for sustainable decision-making in materials selection. Besides, it should empower stakeholders in the construction industry to make environmentally responsible choices. This analysis serves as a dialogue and a profound investigation towards enabling sustainable decision-making in materials selection in building projects as well as to enable VET representatives of the construction sector to creatively exchange in accommodating sustainable curricula in their assets and increase their attractiveness to meet learners' and individuals' needs.

BUILDING MATTERS: Mitigating climate change transition risks of the construction sector through building capacity in sustainable building materials

Grant agreement no: 2022-1-R001-KA220-VET-000087398

Activity 2.3: Sustainable Building Materials Awareness and Competence Transnational Toolkit – Transnational report



Development of the Sustainable Building Materials Curricula

There was developed a transnational Learning Management System set up in form of a Building Matters Moodle platform: www.buildingmatterslearning.org

It consists of 4 modules:

1. Awareness raising in carbon, energy and ecological footprint of building materials and environmental aspects of building materials
2. Life Cycle Assessment and Life Cycle Costing approaches and tools for sustainable decision making in building materials
3. EU key tools stimulating sustainable building material use (i.e. Level(s), ECO-Labeling).
4. Awareness raising in using novel sustainable building materials, with focus on recycled and



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secondary raw materials, including considerations for their integration in building projects

Core features of these modules are 4 videos to visually illustrate the contents.



Module 1

Environmental aspects of building materials



Module 1 "Environmental aspects of building materials" consists of the following topics:

- **Topic 1** - The impact of construction industries. Environmental impact of construction activities;
- **Topic 2** - Carbon production in building materials manufacturing. Carbon footprint of building materials and databases;
- **Topic 3** - Embodied energy of building materials. Parameters and analysis of Embodied energy. Databases of Embodied energy of building materials;

Project Handbook

SELF-ASSESSMENT FORM

This is one out of 4 examples you will find under <https://www.buildingmatterslearning.org/>

Deployment of Sustainable Building Materials Awareness Raising

Having started at the end of May 2024 after completion of the 3rd work package – i.e. the curricula and video production – all partners invited external stakeholders to experience the videos and learning modules. Some hundreds of practitioners from the building sector have already tested and assessed the Building Matters Knowledge Pack. You are still invited to do so as well.



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WP4 - Deployment of the Sustainable Building Materials Awareness Raising

E+ K2: 022-1-RO01-KA220-VET-000087398

Social media campaign and engagement BUILDING MATTERS

A Social Media Campaign Set has been initiated in February 2024 and will at least run until the termination of the project in September 2024 in order to mitigate the risks of climate change in the construction sector by building capacity for sustainable building materials.

As part of its ongoing efforts to disseminate knowledge and reach a wider audience, Building Matters has launched a robust awareness-raising campaign on social media. The public and stakeholders are encouraged to follow updates and engage via the project:

Facebook: <https://www.facebook.com/Building.Matters.ERASMUS>

LinkedIn: <https://www.linkedin.com/showcase/building-matters-erasmus/>

The Building Matters project continues to have a significant impact on the construction sector by promoting sustainable practices and materials. The successful implementation of WP4 activities has not only emphasized the importance of sustainability in construction. It has also set the stage for further educational efforts and the transformation of the industry towards a greener future.

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