

CONTEXT

The construction sector has great potential for economic activity and job creation in the rehabilitation of the built stock and the restoration of built heritage. Multiple reasons reinforce this trend: aged European housing stock; improvements in energy efficiency; social demands on accessibility and comfort; patrimonial and identity value of the built fabrics and monuments; reinforcement of circular economy, impact of rehabilitation on the quality of life of people and social cohesion, among others. All this, has led the European and world political leaders to establish agreements and to promote measures to encourage the rehabilitation activity from different perspectives and objectives. Despite of this, most European universities consider rehabilitation as a marginal discipline and do not train the expert professionals required by the sector.

Smart Rehabilitation 3.0 aims to mitigate and cover the gap between educational offer and the social reality above commented, by defining, a new professional profile of "Rehabilitation Expert" and the creation of homogeneous curricula, validated at European level, for the training of these experts, within the framework of higher education.

OBJECTIVES

1. Overcoming the gap between educational offers and the increasing European need of rehabilitation specialists by defining the new professional profile of "Expert in rehabilitation".
2. Creating homogeneous curricula for the new profession in the sector of existing building stock on European level.
3. Improving specialized training and making the construction sector more attractive to young university students, thus responding to the 2020 Construction Strategy.
4. Anticipating the needs of professional qualification allowing greater transnational mobility using innovative digital tools (BIM).

RESULTS OF THE PROJECT

- ◆ Building rehabilitation expert profile.
- ◆ 4 MOOCs enabling students with basic knowledge of innovative interventions and technological innovation in rehabilitation.
- ◆ Specialized online library for accessing technological innovation and innovative interventions.
- ◆ Collaboration agreements between universities and the rehabilitation sector to use the results

LONG-TERM BENEFITS

- ◆ Reduced gap between rehabilitation sector needs and the Universities' education offers.
- ◆ Availability of experts in rehabilitation and restoration of buildings.
- ◆ Innovative use of digital technologies in educational institutions.
- ◆ Professionals sensitized to the European cultural and architectural heritage environment.

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2019-1-ES01-KA203-065657



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SMART REHABILITATION 3.0

Innovating professional skills
for existing building sector

smart-rehabilitation.eu



Co-funded by the
Erasmus+ Programme
of the European Union

The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein



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