

CALL FOR STUDENTS INTERNATIONAL WORKSHOP

REcube: Transmitting the knowledge for the green regeneration of the European Concrete Heritage

We inform all students of the call for selection for the admission of participants for the International Workshop organized as part of the within the Erasmus+ project REcube: REthink, REvive, REuse - Transmitting the knowledge for the green regeneration of the European Concrete Heritage, which aims at teaching a sustainable, integrated and holistic approach to the conservation and renovation of Modern Concrete European Architectural Heritage. REcube intends to expose the students (3 per each partner University) to a cross-disciplinary education in Modern Heritage Preservation with focus on research, innovation, durability and preservation. The learning and training activities of the Frontier and REgenerate Workshops will last 5 days each, the Frontier being online and the REgenerate being in presence.

REgenerate Workshops will centre on performing the multifaceted assessment and analysis of a concrete architecture by Pier Luigi Nervi, to be preserved and repurposed. Always taking place in Lecco on the PoliMI campus, the REgenerate workshop will be a face-to-face programme based on a case study. Learners will evaluate and interpret the different data acquired on the chosen structure and present the problems to be solved, as well as the preparatory analysis to be performed before the renovation design. A visit to the project site is also planned, the costs of which will be borne by the REcube project.

A refund of about 500 euros per person is foreseen to cover travel, board and lodging expenses. The Territorial Pole of Lecco will apply to the students of the workshop discounted rates at the campus facilities. Three students will be selected among the master degree courses from the addresses of Civil Engineering, Construction and Architecture.

For the selection please send an email to **rosario.ceravolo@polito.it** and **federica.voci@polito.it** within **May 20, 2022** attaching a letter of motivation (maximum one page), short CV (maximum two pages), career average exams.

Further information are available at: <https://www.recube-project.eu/>

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Description

The initiative is framed within the Erasmus+ project REcube: REthink, REvive, REuse - Transmitting the knowledge for the green regeneration of the European Concrete Heritage, which aims at teaching a sustainable, integrated and holistic approach to the conservation and renovation of Modern Concrete European Architectural Heritage. The target is represented by students coming from 11 different Architecture and Engineering Master's programmes across Europe.

Through the Frontier+REgenerate Workshops and the MOOC+Meet the Makers, the REcube learning programme delivers the technical knowledge and the specific skills needed for the green and safe management and protection of Modern concrete heritage, contributing to the development and expansion of future professional competences.

REcube intends to expose the students (3 per each partner University) to a cross-disciplinary education in Modern Heritage Preservation with focus on research, innovation, durability and preservation. The learning and training activities of the Frontier and REgenerate Workshops will last 5 days each, the Frontier being online and the REgenerate being in presence. To implement learning activities in a greener way and sustain an eco-friendly approach, the Frontier Workshop will be an online intensive course on cutting edge topics as pathologies and physics of reinforced concrete buildings. The aim is to provide participating students with a complete overview, applying a blend of theoretical knowledge and practical learning. It will be subdivided into lectures and an in-depth analysis of case studies belonging to Pier Luigi Nervi's architectural heritage.

Outcomes will be then integrated in the learning activities of the following REgenerate Workshop, where students will implement the knowledge acquired in the Frontier. Consequently, the REgenerate Workshops will centre on performing the multifaceted assessment and analysis of a concrete architecture by Pier Luigi Nervi, to be preserved and repurposed. Always taking place in Lecco on the PoliMI campus, the REgenerate workshop will be an intensive face-to-face programme based on a case study. Learners will evaluate and interpret the different data acquired on the chosen structure and present the problems to be solved, as well as the preparatory analysis to be performed before the renovation design. A visit to the project site is also planned, the costs of which will be borne by the REcube project.

Requirements	Enrolled to or the 1st/2nd year of a Master degree
Selection criteria	Motivation letter (max one page), Short CV evaluation (max two pages), academic record (average grade). Priority given to the students enrolled in the programs "Civil Engineering", "Building Engineering", "Architecture Construction City", "Architecture for Heritage", "Architecture for Sustainability"
Language	English
Classroom hours	50 (virtual classrooms included)
Number of student to be selected	3
Modalità di validazione del corso	Required attendance, final project and final presentation
Start of activities	June 2022
End of activities	September 2022
Tentative Calendar	Frontier Workshop (online): June 27, 2022 to July 1st, 2022 Project Workshop (Lecco Campus): July 15th to July 20th, 2022



Piscina Mincio in Milano,
built by Pier Luigi Nervi in
1964