

EuroTeQ Collider 2024

Challenge

Heritage for a Sustainable Future - Pushing sustainability in architecture forward

Category

Nature

Focus

Research

„Heritage for a Sustainable Future“ aims at urging students to peer into our past for progressing architectural topics in the future. In retrospect, sustainable building systems that respect our planet should be considered and rethought to help shape the cities of the future.

Problem definition

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Description

Providing a sustainable future to our existing architectural heritage by keeping a balance between new functions and the distinctive spatiality of an already existing building (Design) while at the same time ensuring its safety (Engineering) - to be able to restore buildings without causing irreversible changes to their structural and architectural features (Conservation-Restoration). The particular challenge lies in the use of natural and local resources and the rediscovery of seemingly lost craftsmanship of masonry.

Key questions

Conceiving novel solutions for the open challenge of revisiting construction systems based on the use of natural stones - so to design, once again, more sustainable constructions that are using local resources responsibly, all the while contributing into the reduction of CO2 emissions.

Links

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Skills

TBD

Partner

TBD