ETH zürich | School for Continuing Education

CAS ETH in Regenerative Materials – Essentials

earth – bio-based – reused

D BAUG

Think regenerative!

It is time to move beyond sustainability. Innovative solutions utilising local resources such as earth, bio-based, and reused materials are emerging globally. These materials drive regenerative outcomes by restoring and enhancing the surrounding natural and social environment.

The CAS ETH in Regenerative Materials – Essentials is an international programme launched by the Chair of Sustainable Construction. This programme promotes the use of regenerative materials for low-energy buildings, utilising renewable resources across the entire lifecycle – from extraction to construction, operation, and disposal. It provides essential knowledge on the use and performance of regenerative materials.

Regenerative construction materials: Exploring the potential of earth, bio-based, and reused resources for a resilient and sustainable future.

Objectives
The programme aims to equip practitioners with the tools and methods needed to efficiently and creatively use earth, bio-based, and reused materials. This contributes to the essential ecological and social transition in the construction sector, considering carbon emissions and the broader social and environmental context.

Professional perspectives
The programme ensures a significant and lasting impact on participants' professional development, enabling them to work as project managers in architecture or engineering offices, for city technical services, portfolio managers, developers, and NGOs. Alumni of the CAS program join an active professional network that grows stronger every year.

Target group
Decision makers and practitioners in the construction sector from Switzerland and abroad: architects, civil or structural engineers, project managers, members of municipal technical services, building contractors, NGOs.

Programme fee
CHF 8,230.
The Ricola Foundation offers scholarships to a limited number of participants. If you need the scholarship to take part in this course, please mention your reasons and limitations in your motivation letter and contact the Programme Manager.

Duration
1 semester, from January to June, annually.

Structure and format
- Five modules, each lasting one week, with a final project presentation in front of a jury.
- Teaching language: English.
- Active learning methods including input lectures, visits to reference buildings, practical hands-on activities, interactive discussions, and group projects.
- 12 ECTS credits.

Other CAS & DAS in Regenerative Materials
To address the shortage of expertise in these areas and to challenge traditional construction methods, we offer two Certificates of Advanced Studies (CAS) in Regenerative Materials at ETH Zurich. Additionally, with the completion of two CAS it can be combined to a Diploma of Advanced Studies (DAS), which includes supervised personal projects.

Modules

Module 1	Discovering regenerative materials
Module 2	Earth construction
Module 3	Bio-based construction
Module 4	Re-valuing the building stock
Module 5	Project exercise

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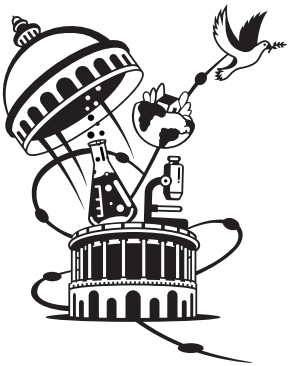

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