Module 1
Discovering Regenerative Materials
23.01.2023 - 27.01.2023

Module 2
Earth construction
27.02.2023 - 03.03.2023

Module 3
Bio-based construction
27.03.2023 - 31.03.2023

Module 4
Re-valuing the building stock
08.05.2023 - 12.05.2023

Module 5
Project exercise
12.06.2023 - 16.06.2023

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Vimeo:
https://vimeo.com/ethzsc

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CERGM CATEEA SH-NT

Apply now!
Until 15 October 2022

CAS ETH IN REGENERATIVE MATERIALS ESSENTIALS

earth - bio-based - reused

Think Regenerative!

It is time to go beyond sustainability. Alternative solutions out of local resources such as earth, bio-based and reused materials are emerging all over the world and are triggering regenerative outputs, thanks to their capacity to contribute to the restoration and improvement of the surrounding natural and social environment. However, they are not widespread in the construction sector due to lack of information on the side of decision makers and lack of competence on the side of practitioners.

The Certificate of Advanced Study in "Regenerative Materials - Essentials", an international ETH training programme launched by the Chair of Sustainable Construction of the ETH Zurich, aims to tackle this problem. It offers knowledge and skills to question our conventional construction techniques and to promote regenerative materials from resource extraction to construction site, operation and end of life of the building materials. It promotes a territorial approach from the preliminary phase of the construction process.

Objectives
This continuing education program aims to give practitioners tools and methods to use earth, bio-based and reused materials with efficiency and creativity in order to contribute to the necessary ecological and social transition in the construction sector.

With this programme we aspire to:

- Train specialists to conduct complex projects using earth, bio-based and reused materials with realistic and affordable solutions,
- Highlight exemplary architectural projects developing circular economy and the use of "low carbon" materials,
- Offer a practical experience on real projects (new construction, thermal renovation, historic restoration),
- Create a network of professionals working on regenerative construction.

Duration
Starting in January 2023.
12 credits, 5 weeks distributed over 1 semester (theoretical and practical modules + group project exercise)

Language of instruction
Courses are held in English.

Target audience
16 participants from Switzerland and abroad. Project managers, members of city technical services, building contractors, NGOs, architects, engineers.

Application
Applicants are asked to apply online and also include a motivation letter, a CV and two reference letters.

Application deadline: October 15th, 2022.

Tuition fees
CHF 7,000. Living expenses are not included.

The Ricola Foundation supported the creation of the CAS and is covering the admission fees of three participants with financial difficulties.

For more information, visit the website:
https://sc.ibi.ethz.ch/en/education/continuing-education.html