



## COURSE ASSIGNMENT

CHEM-EV01 Re-imagining Wood waste, Period II, 1 Nov – 17 Dec 2021

### TASK: Re-imagine a new life to demolition waste

*Forests are important biotopes that preserve carbon and maintain biodiversity and climate stability. Forests produce wood materials that are widely used in our society. Waste wood flows, of which the construction sector is a major one, have great unused potentiality for up-cycling and to replace virgin materials.*

Wood is a unique material that has many interesting properties: It works as a moisture buffer, feels warm to touch, has acoustic and antibacterial properties and creates a soothing atmosphere, to name a few. Find out about the properties of wood as the basis of your work and develop and design a project piece that utilises wood's properties and it's inherent nature. What is the function of your object? What materials or products it could replace in a more sustainable way?

### Guidelines and hand-ins

Size: A flat object 1000 x 1000 mm, thickness up to the team, the object can be one or two sided

Material: Construction and demolition waste wood

16.11 Mid review: Concept presentation and partial model 1:1, size 200 x 200 mm

7.12 Final presentation: Concept presentation and final object 1:1

Method: Multidisciplinary pairs, mainly independent research and workshop work. Lectures related to course theme on Mon 9-11 and project tutoring on Tue 9-11. You are encouraged to discuss as much as possible with teachers and class peers and learn from the group's diverse expertise.

### Learning diary

Keep and hand-in a learning diary that shows your process and work-in-progress with short text notes, drafts, photos etc. Make sure to add the notes fresh at each working day. No need to involve a lot of text!

### Learning Outcome

Student will learn the wood material cycle from forests to material and further to cascading of recyclable material. They will deepen their understanding of the value of wood and consider the other values of forests as part of material use planning. Students will understand the basic principles, current challenges and future possibilities of wood cascading and the circular economy. Student will learn to apply this information to sustainable design process, look for and argue sustainable choices and produce a ready object using recycled materials working in multidisciplinary teams.

### Assessment methods

- Course assignment and presentations: research quality & innovative and aesthetic quality of the outcome
- Learning process and team work
- Presence and activeness: Motivation and participation, working as a team member
- Additional tasks and learning diary