



## PREPARATORY TASKS – WORKSHOP 3

### SELF-LEARNING OF TIMBER-SPECIFIC TOPICS (FACT SHEETS)

As preparation for the intensive course in Riga, the students should learn 15 timber-specific topics about timber technologies, structural systems and building physics. They are elaborated by the participants of the second workshop in Cracow and peer reviewed by the HiBiWood partners.

The students will receive the learning materials one month before the intensive course during the online kick-off meeting. On the first day of the workshop, each student will be given a topic by a random principle and will have to explain it in 3-4 minutes to the other participants. It is desired, that the short presentation is completed by the other students and questions are asked.

#### Components of the analysis (topics):

1. Vertical load transfer - spans and systems for timber construction
2. Horizontal load transfer - bracing in timber construction
3. Sound insulation vs. load transfer
4. Cantilevers
5. Roof systems
6. Ceiling systems
7. Wall systems
8. Airborne sound insulation of partition walls in timber construction
9. Impact sound insulation of partition ceilings in timber construction
10. Decoupling possibilities in timber construction
11. Constructive solutions for the reduction of indirect (flank) transmission
12. Summer suitability in timber construction
13. Moisture protection and air tightness in timber construction
14. Prefabrication
15. Facades

**Type of assessment:** Individual work

**Number of hours:** 10h

**Learning Outcome:** Through the fact sheets, the participants should acquire essential knowledge about timber constructions, needed for the assignments during the third intensive course in Riga.

**Applied during:** O6 intensive course in Riga, Latvia (March 2023, Host University: RBC)



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## SELF-REFLEXION/SHORT ESSAY ON SUSTAINABILITY AND CLIMATE PROTECTION

### Task formulation:

The students are expected to write a short essay, spanning 1-2 A4 pages, which addresses the following questions:

- Why is it important to build sustainably?
- How do I personally contribute to climate protection in my everyday life? What measures do I take?

**Type of assessment:** Individual work

**Number of hours:** 5h

**Learning Outcome:** The task facilitates personal introspection and fosters an elevated consciousness regarding climate protection, emphasizing the significance of 1) sustainable building practices and 2) individual actions.

**Applied during:** O6 intensive course in Riga, Latvia (March 2023, Host University: RBC)

## SHORT PRESENTATION OF THE EMPHASIS OF EACH STUDY PROGRAMME

### Task formulation:

All students enrolled in the same university are required to prepare a brief presentation, consisting of 3-4 slides and lasting approximately 5 minutes, explaining the focal points of their respective study programs.

**Type of assessment:** group work (national teams, group of 5 students)

**Number of hours:** 5h

**Learning Outcome:** getting to know each other.

**Applied during:** O6 intensive course in Riga, Latvia (March 2023, Host University: RBC)

