

# Design Exploration: Swiss Space Center

## Task 4: Construction and Materials

### Assignment 4:

Based on your design exploration and the proposals generated in Task 1, Task 2 and Task 3, make a specific proposal for your building considering the internal space distribution, the circulation and the structure. Pay particular attention to the construction system and the materials. Please develop the following documentation:

- plan and section of the building in 1:100 (with a clear distribution of the internal space and the circulation);
- plan and section of a chosen part of the building in 1:50 (showing the materials and construction system);
- structural diagram (showing the structural principle and the flow of the inner forces);
- physical model of the construction system and materials (scale free).

### Submission 4 (Second Interim Jury):

#### Presentation

Prepare a presentation (in PDF format, maximum 15 slides A3) with the following content:

- design process (Task 1: Program and Site, Task 2: Structure and Construction, Task 3: Context and Environment);
- current proposal (Task 4: Construction and Materials).

The presentation should be no more than 15 minutes long.

#### Panels and Models

Produce two panels (DIN A0, portrait, mounted on a rigid board); the first one should be an updated version of the panel developed for the First Interim Jury; the second one should include all the new content developed for Task 4. Be sure to place on the panel all the relevant content to describe your project.

Produce a physical model (scale 1:500, to be fitted on to the site model) to explain the relationship between the building, the environment and the landscape.

Build a physical model of your current proposal (scale 1:100) that integrates spatial and structural aspects of your project and the connection to the closer surrounding.

Produce a physical model (scale free) to show the construction system and the materials.

Bring all the physical models produced throughout the process.