



Amsterdam workshop

28/05/18 - 01/06/18

Amsterdam



hout - meubel - interieur



Rotterdam



DesignSTEM

hmc - vocational school

Courses in

- shoe making
- piano restoration
- boat construction (engine too!)
- interior design

Labs full equipped of

- ☐ materials
- ☐ tools
- ☐ machinery

Students:

- independent
- different ages
- job oriented
- entrepreneurs

Goals

Primary goals of the workshop

- *Content and code production with small set of scenarios*
- *Scenario testing on students and teachers*

Secondary goals of the workshop

- *Common visual language / design system*
- *Clarifying copyright / licensing / intellectual property situation*



Facilities tour



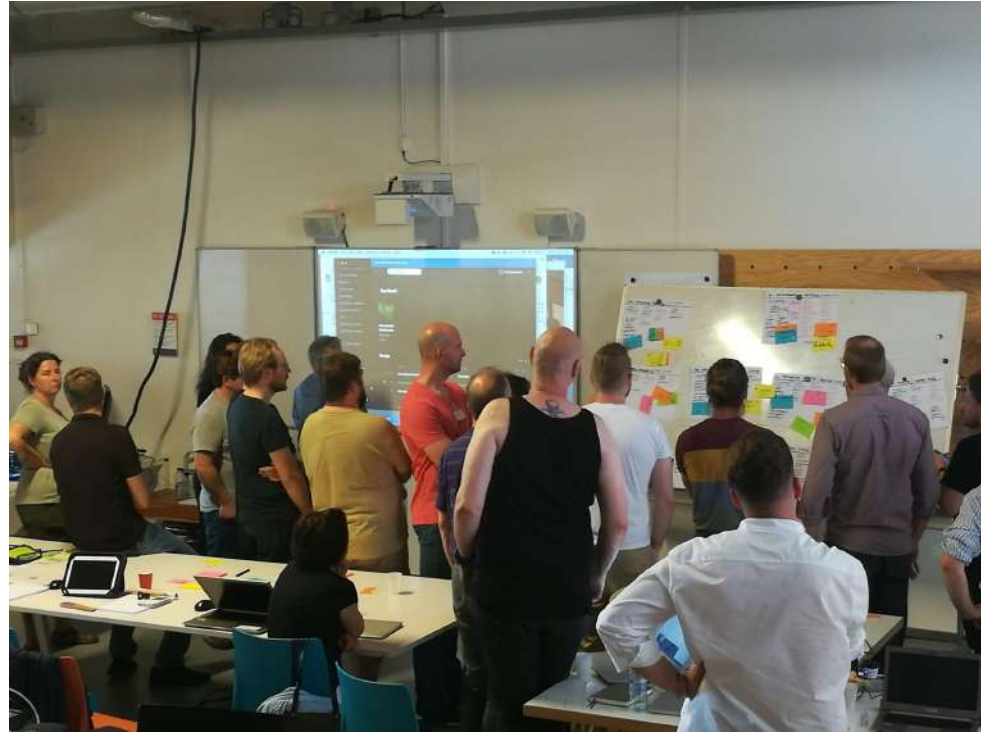
Facilities tour



Facilities tour



Work area setup and splitting into groups



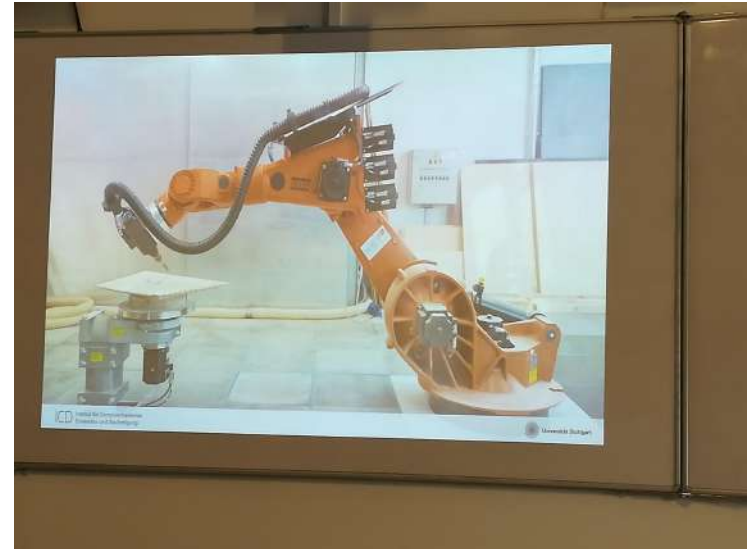
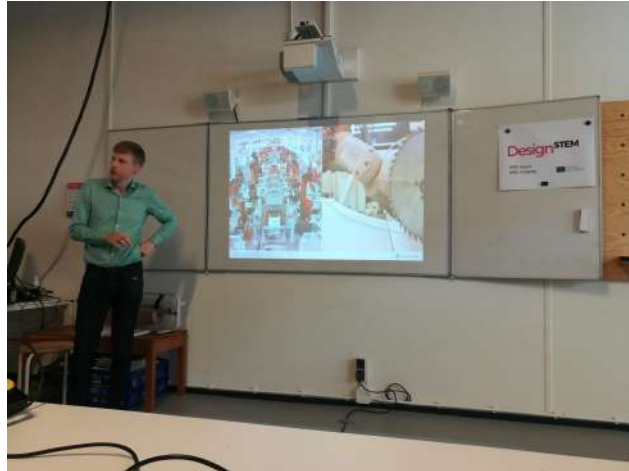
Inspirational talk by Abel Groenewolt

Art Faculty - Stuttgart University - Institute for Computational Design and Construction

Art projects using robots just like in industry

STEM concept: PATTERN

Observation of natural constructions built by animals (spider bubble, bird nest)
emulated by a robot programmed by design students to create art works



[illegible]

Work Sessions

In mixed groups we worked on Dutch scenarios.
In each group:

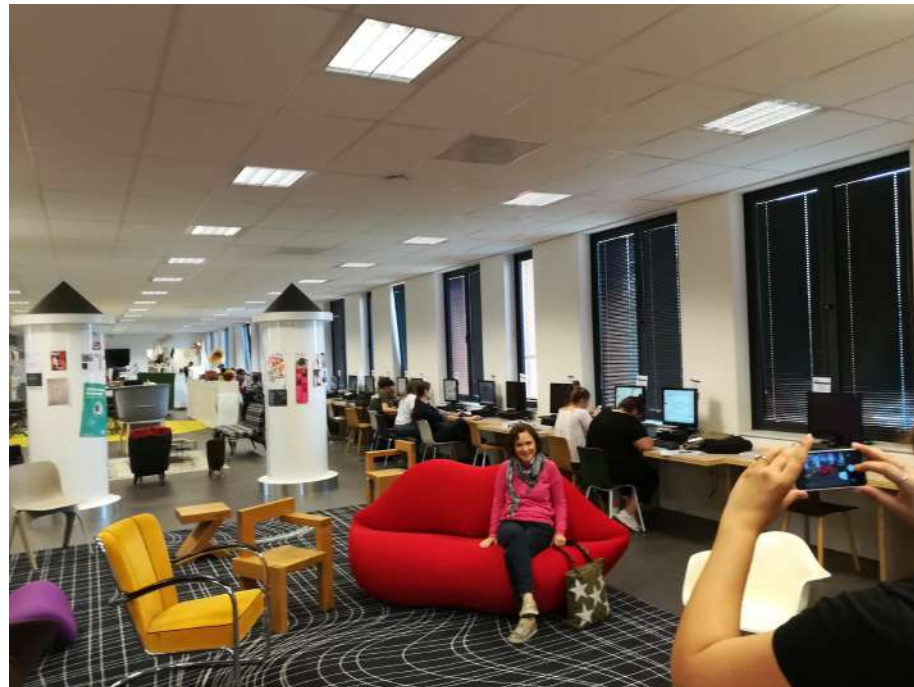
- Design expert
- IT expert
- STEM expert



Let's go to Rotterdam



Rotterdam HMC tour



Rotterdam HMC tour



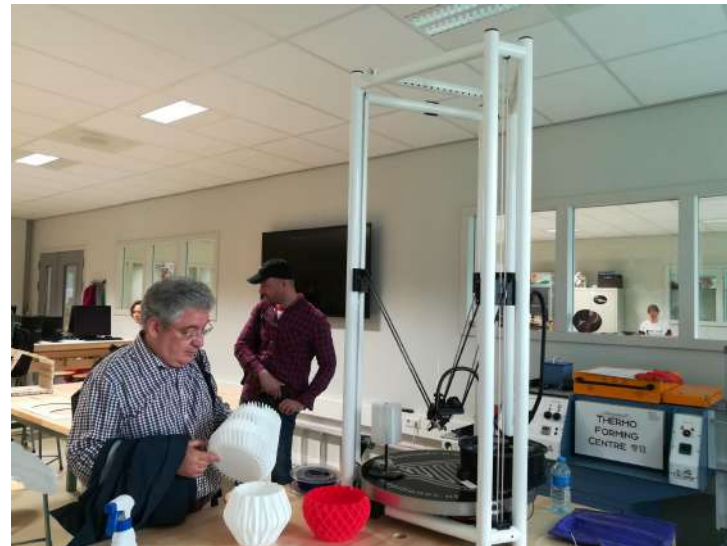
Rotterdam HMC tour



Rotterdam HMC tour



Rotterdam HMC tour



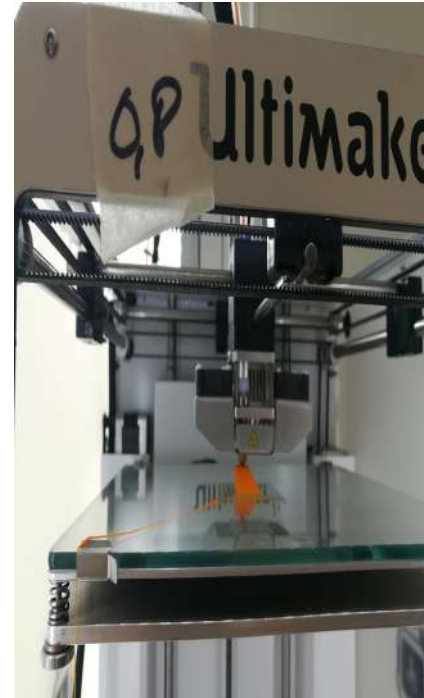
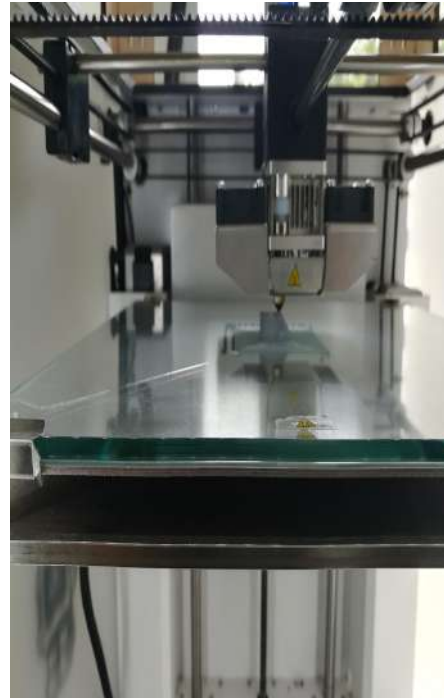
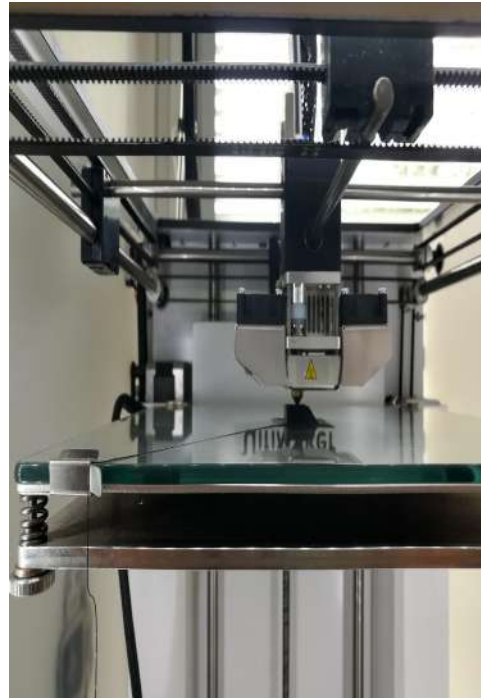
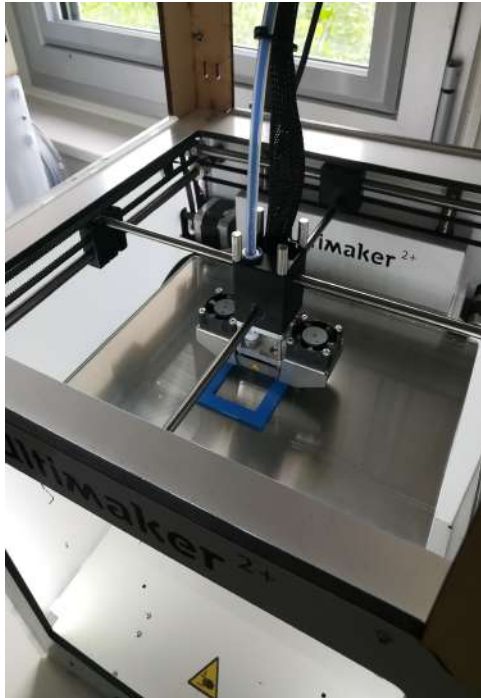
Presentation by Elwin and JB



WORK SESSIONS IN ROTTERDAM.

Facilities:

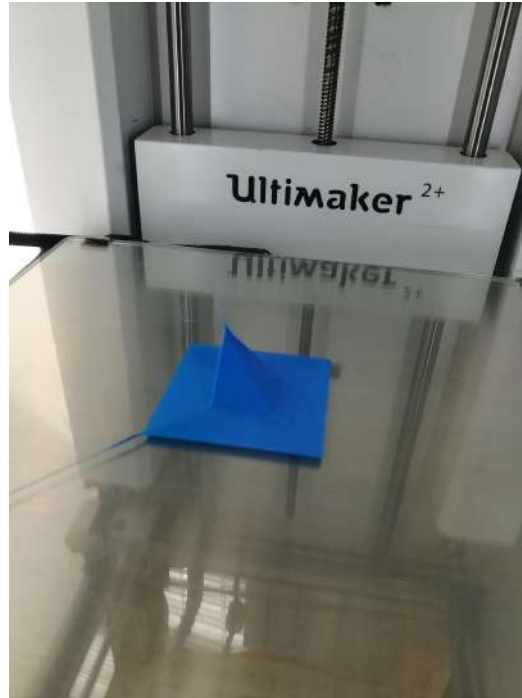
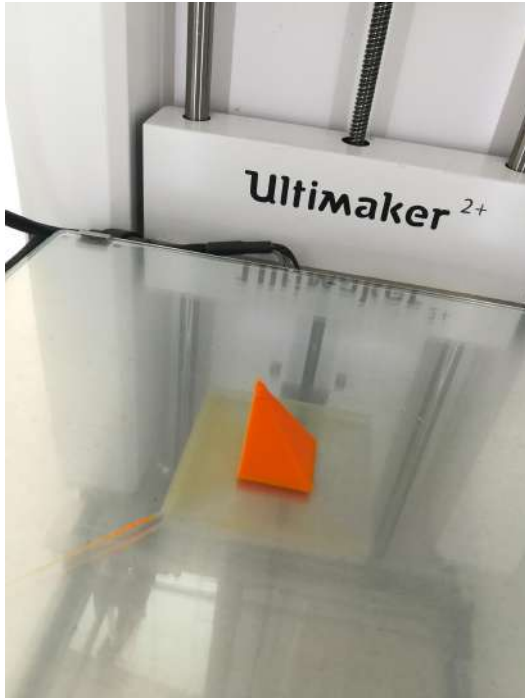
- Study center -- lots of books, designer chairs etc. It's a quiet place, but small working groups can be arranged to work there



WORK SESSIONS IN ROTTERDAM.

Facilities:

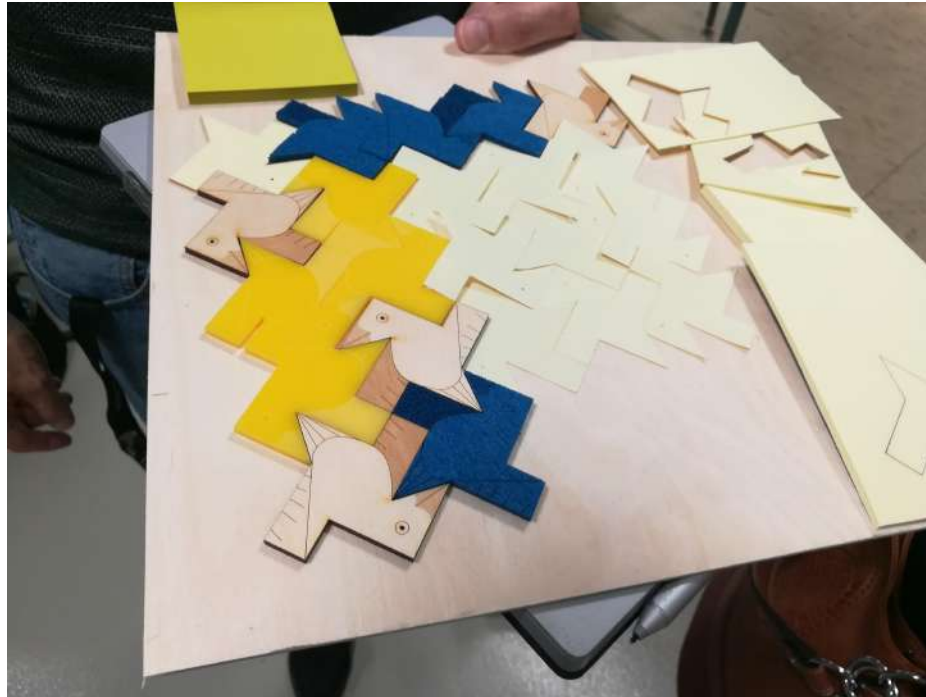
- Labs -- lots of [3D printers](#), tools, carving machines, cutters,...



WORK SESSIONS IN ROTTERDAM.

Results:

- 3D objects
- carved wood



Visit to Het Nieuwe Instituut



Visit to Het Nieuwe instituut - reflections about human beings and mother Earth

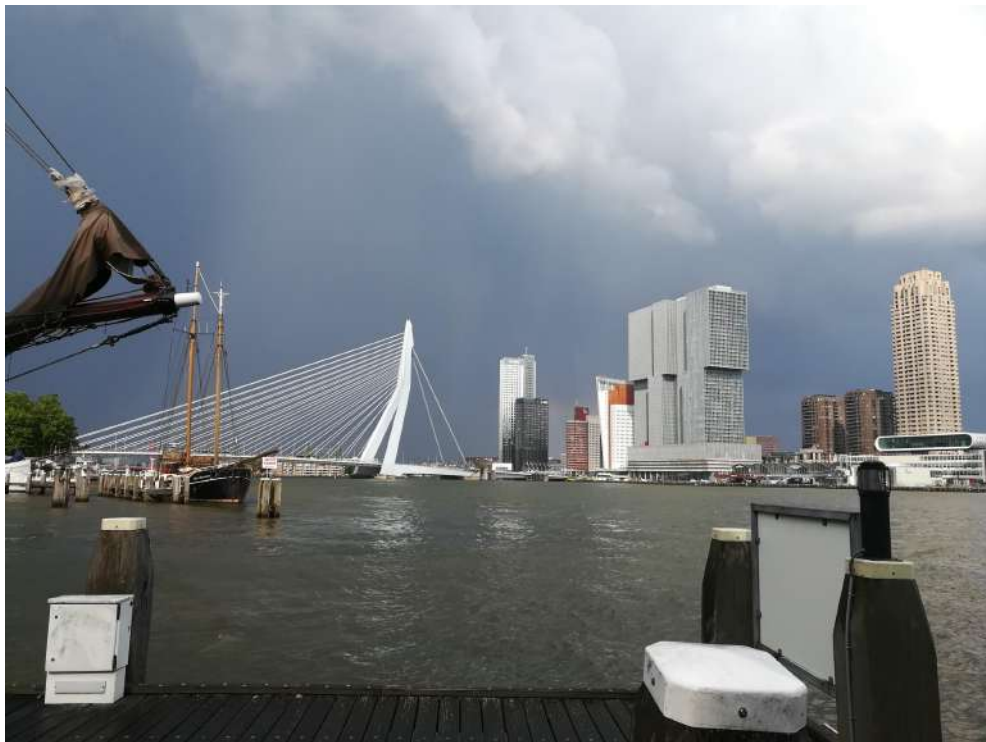


Kunsthal Rotterdam



Hyper realistic sculptures exhibition

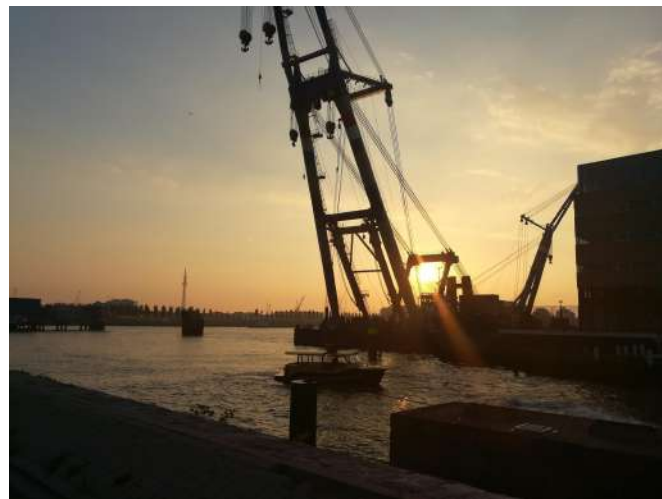
Walk to Pick-up point for the Water taxi



Walk to Pick-up point for the Water taxi



Dinner at Courzand



Rotterdam Art



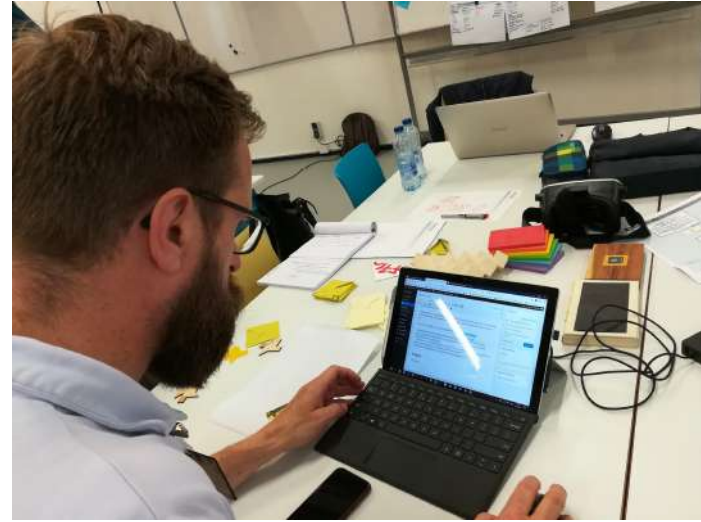
Rotterdam Art



Preparation for user testing



Preparation for user testing



Preparation for user testing

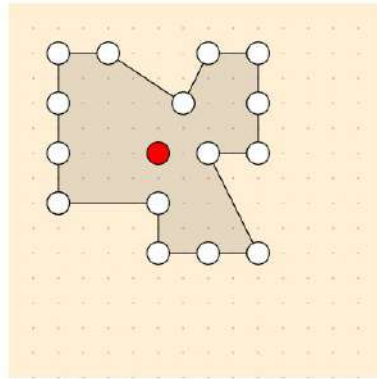


User testing with students



User testing with students

2D and 3D patterns



2 x 2 3 x 3 4 x 4

Step



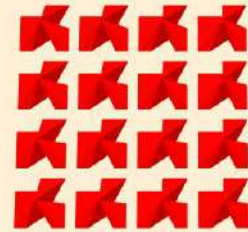
Height



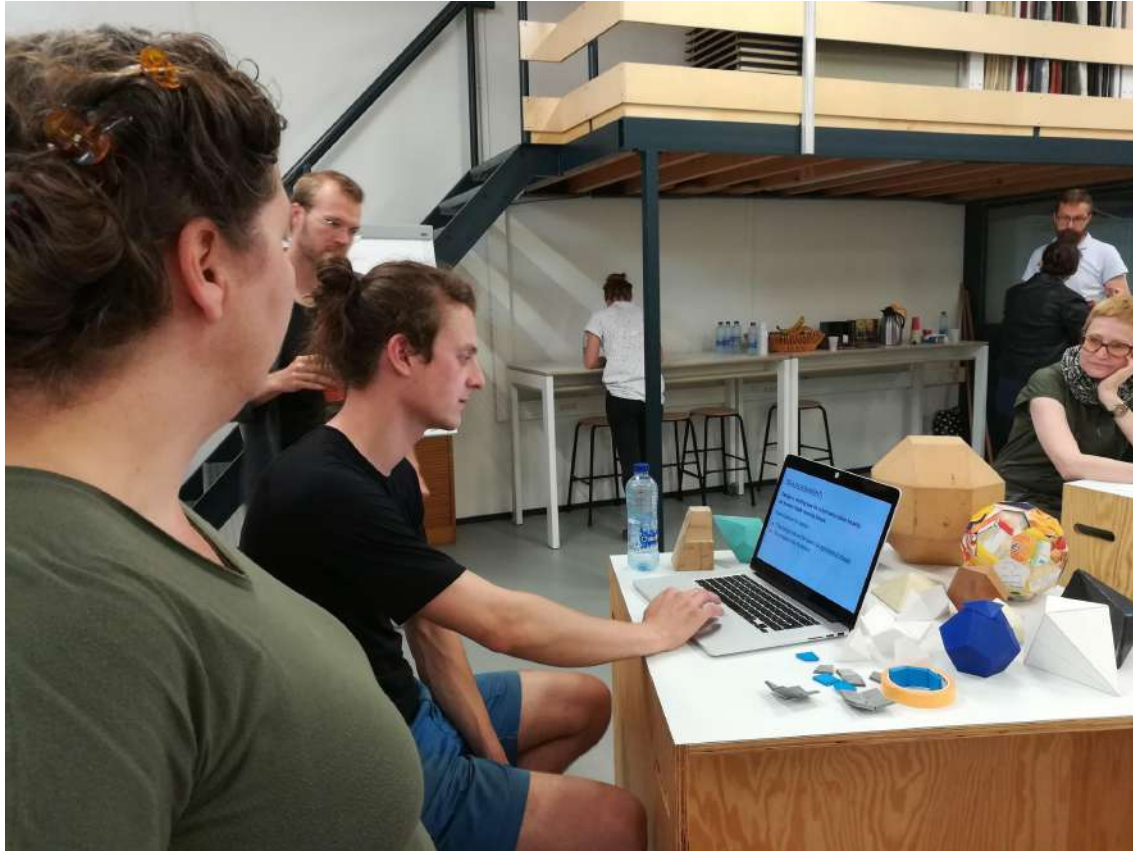
X rotation



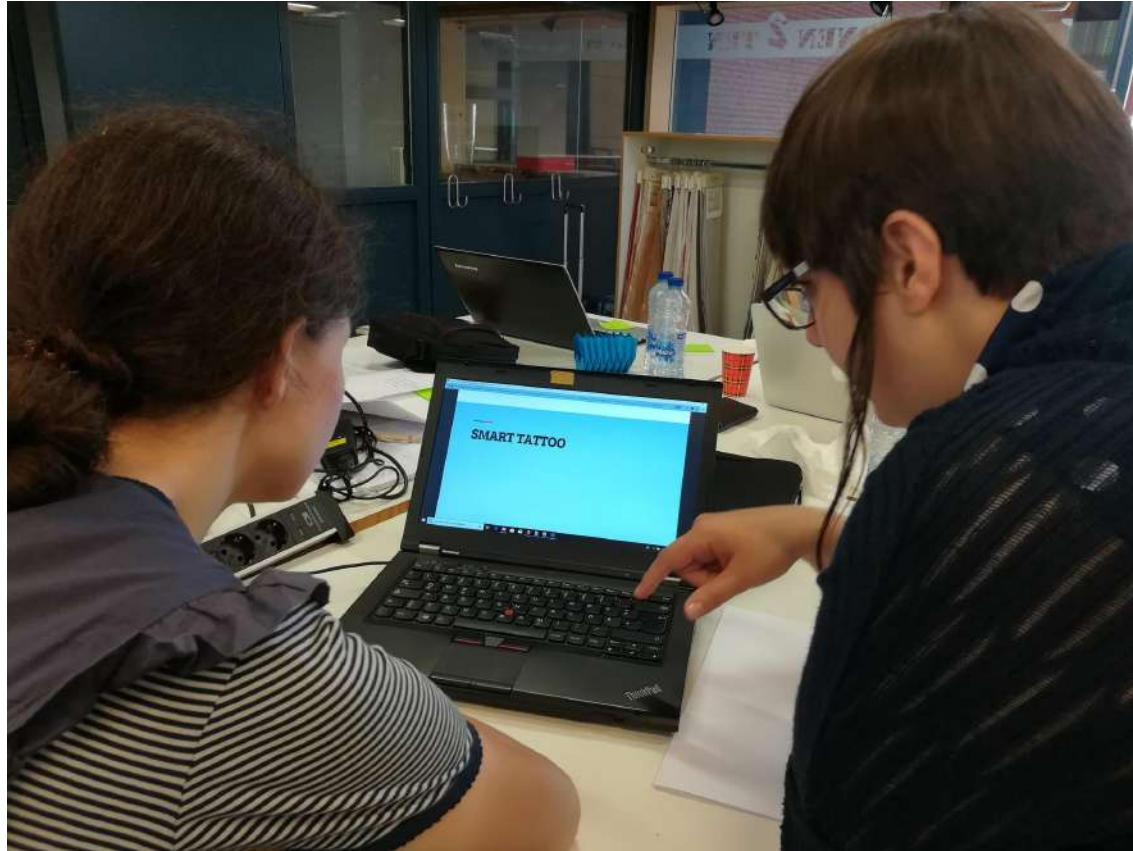
Y rotation



User testing with students



User testing with students



Wrap-up





Hello Amsterdam

... see you in Trento



DesignSTEM

Italian Team in The Neatherlands

LEONARDA RAFFONI
GIUSEPPE TORRISI



Erasmus Bridge, Rotterdam