



D3.16. DESIGN FACTORY BOOTCAMP FOR TEACHERS, 1ST EDITION

Organised during RUN-EU HAMK Super Week

(Delivery Date: Dec 21, 2021)

(Partner responsible: HAMK)

Table of Contents

RUN-EU Design Factory Bootcamp	4
1.1 Programme.....	4
1.2 Objectives	5
1.3 Participants	5
1.4 Presentation materials	6
1.5 Photos and communications	7
2. Action	12
2.1 Day 1 Designing Design Factories	12
2.2 Day 2 Design Factory procedures & collaboration with enterprises	14
2.3 Day 3 Prototyping.....	16
2.4 Day 4 Building Design Factory culture.....	18
2.5. Day 5 Friday Gala and Action Plan	20
3. Questionnaires and conclusions	21

Table of Images

Image 1 Design Factory Bootcamp programme.....	4
Image 2 All the Super Week participants.....	7
Image 3 YLE Häme radio interview	9
Image 4 Instagram stories 1	10
Image 5 Instagram stories 2	11
Image 6 Instagram posts	11
Image 7 Twitter analytics	12
Image 8 Ideation moment.....	15
Image 9 Group project	15
Image 10 Prototyping workshop.....	16
Image 11 Building the prototype	17
Image 12 Presenting the prototype	17
Image 13 Acting the prototype	18
Image 14 3D printing workshop for Super Week participants.....	19
Image 15 Presenting the culture plan	19
Image 16 Culture plan	20
Image 17 Action plan presentation.....	20
Image 18 Action plan for the future.....	21
Image 19 I wish questionnaire	22
Image 20 I like questionnaire	23

Table of Tables

Table 1 – I like-questionnaire results	23
--	----

RUN-EU Design Factory Bootcamp

1.1 Programme

RUN-EU Super Week consisted of the FASA Pedagogical Development Programme (PDP), Design Factory Bootcamp (DFB) for RUN staff members and an intensive week for students participating in the SAP “How to navigate through unfamiliar contexts”. Design Factory Bootcamp events run parallel with Pedagogical Development Program from Monday 25.10.2021 to Thursday 28.10.2021 and Friday 29.10.2021 included joint programme for both Design Factory Bootcamp and Pedagogical Development Program members. The programme of the week is summarised in Image 1.

Image 1 Design Factory Bootcamp programme

Pedagogical Development Programme & Design Factory Bootcamp Schedule		MONDAY 25.10.		TUESDAY 26.10.		WEDNESDAY 27.10.		THURSDAY 28.10.		FRIDAY 29.10.	
LOCAL TIME		Pedagogical Development Programme	Design Factory Bootcamp	Pedagogical Development Programme	Design Factory Bootcamp	Pedagogical Development Programme	Design Factory Bootcamp	Pedagogical Development Programme	Design Factory Bootcamp	Pedagogical Development Programme	Design Factory Bootcamp
9h00											
9h30		9h00-10h30 Welcome & Orientation + Coffee @ Stage		9h00-12h00 LearnWell - wellbeing, reflection tool and questionnaire @ Assembly Room	9h00-12h00 Design Factory procedures & collaboration with enterprises Teacher's role in collaboration with enterprises @ Stage			9h00-11h30 LearnWell - wellbeing, reflection tool and questionnaire How to organize LearnWell reflection sessions? @ Stage	9h00-11h30 LearnWell - wellbeing, reflection tool and questionnaire Following SAP students' 3D printing at HAMK Design Factory @ Assembly Room		
10h00											
10h30											
11h00		10h30-12h00 Pedagogical models of RUN-EU institutions - Strengths and Challenges @ Assembly Room									
11h30											
12h00											
12h30		12h00-13h00 Lunch		12h00-13h15 Lunch		12h00-13h00 Lunch		11h30-13h00 Lunch			
13h00											
13h30		13h00-16h00 Participants' perspectives on good teaching, learning and wellbeing @ Stage		13h15-14h45 Following students' presentations on future skills Group work on following topics: - Development & assessment of future skills - Experience of teaching & learning during COVID-19 - How online teaching can support learning and wellbeing? What future skills are needed in working online @ Stage		13h00-16h00 Prototyping session at HAMK Design Factory @ Stage		13h00-16h00 Pedagogical Frameworks for RUN-EU, FASA development @ Traditional	13h00-16h00 Building Design Factory culture @ Stage		
14h00											
14h30											
15h00											
15h30											
16h00											
16h30											
17h00											
17h30				17h00- Cocktail event @ Stage				16h00-17h00 and 16h30-17h00 DF Spaces & Hardware (optional) meeting	16h00-17h00 DF Spaces & Hardware (optional)		

MONDAY 25.10. Design Factory Bootcamp

9h00-10h30 Welcome & Orientation + Coffee, Stage

10h30-12h00 Grouping; Designing Design Factories for each RUN-EU institution, Stage

12h00-13h00 Lunch

13h00-16h00 Participants' perspectives on good teaching, learning and wellbeing, Stage

TUESDAY 26.10. Design Factory Bootcamp

9h00-12h00 Design Factory procedures & collaboration with enterprises, Stage

Teacher's role in collaboration with enterprises, Stage

12h00-13h15 Lunch

13h15-14h45 Following students' presentations' presentations on future skills

15h00-16h30 Group work on following topics (Stage):

- Development & assessment of future skills

- Experiences of teaching & learning during COVID-19 - How online teaching can support learning and wellbeing? What future skills are needed in working online?

17h00- Cocktail event @ Stage

WEDNESDAY 27.10. Design Factory Bootcamp

10h00-12h00 Choose one of the following:

- 1) Workshop: What is TBL? An introduction to Team-Based Learning, Assembly Room
- 2) Workshop: Transactional Analysis: How to influence communication, War Room
- 3) Seminar: Highlights of smart bioeconomy research at HAMK, Building C, Auditorium B

12h00-13h00 Lunch

13h00-16h00 Prototyping session at HAMK Design Factory, Stage

THURSDAY 28.10. Design Factory Bootcamp

9h00-11h30 LearnWell -self-reflection tool and questionnaire /

Following SAP students' 3D printing at HAMK Design Factory, Assembly Room

11h30-13h00 Lunch

13h00-16h00 Building Design Factory culture, Stage

16h00-17h00 DF Spaces & Machines (voluntary)

FRIDAY 29.10. Design Factory Bootcamp

9h00-10h00 LearnWell Feedback session @ Stage

10h00-12h00 Designing Future Advanced Skills Academies together with SAP students, Stage
Preparing a presentation (5 min) in institutional groups, Stage

12h30-15h00 Friday Gala: presentation from each institution; Panel discussion with
Associated Partners; Comments from HAMK presidents; Closing of the week,
Stage

1.2 Objectives

Objectives of the Design Factory Bootcamp are to promote the development of teachers' transdisciplinary competencies and to enable the RUN-EU partners to launch their own Design Factory as well as to become a member of Design Factory Global Network (DFGN).

The Central FASA promotes two international Design Factory Bootcamps, one in year 2 and in year 3, targeting 3 teachers of each RUN-EU partner (24 in total each edition) and supports further mobility opportunities for teachers. The objective is to also support organising transdisciplinary and transnational Design Factory Workshops for students between the Design Factories.

1.3 Participants

Design Factory Bootcamp participants who attended:

A total of 16 participants joined the Design Factory Bootcamp. They represented all RUN-EU partner universities. In addition, 6 participants joined both the Design Factory Bootcamp and the Pedagogical Development Programme, which was organised during the same week.

1.4 Presentation materials

Presentation materials for each day are openly available from HAMK Design Factory SlideShare account (<https://www.slideshare.net/hamkdf/>):

Day 1: [RUN Design Factory Bootcamp](#)

Day 2: [Design Factory Bootcamp 2021 Day 2](#)

Day 3: [PD3 Product Development in 3 hours](#)

Day 4: [Building Team Culture](#)

Day 5: [DF Bootcamp Action Plan](#)

In addition to the presentation materials, the following documentation was shared with Design Factory Bootcamp participants:

- [Filmed virtual tour of HAMK Design Factory:](#)
https://www.youtube.com/watch?v=Z6PW0F2B_qo
- [Interactive virtual tour of HAMK Design Factory:](#)
<https://www.thinglink.com/media/1471762792481554433>
- [LookBook of HAMK Design Factory spaces:](#)
<https://www.flipsnack.com/jaybird24/hamk-design-factory-lookbook.html>
- [Article: Teacher-Facilitators' Job-Crafting: Making Meaning and Relevance in Authentic Learning Environments](#)
- [Article: Co-creation pedagogy from cSchool towards HAMK Design Factory](#)
- [Article: Rapid product development in university-industry collaboration: Case study of a smart design project.](#)
- [Blog Article: Coming up: First ever DF Bootcamp](#)
- [Blog Article: Upgrades in HAMK Design Factory facilities](#)
- [Video: 2019.03 – Aalto DF Bootcamp Documentary v6](#)
- [Blog Article: HAMK Design Factory opening](#)
- [Video: Live stream recording of HAMK Design Factory opening and presentations](#)

1.5 Photos and communications

Image 2 All the Super Week participants



Photos taken during the week was shared with HAMK Super Week participants so that they can use the photos.

During the week photos were also added to HAMK Design Factory (@hamkdf) Instagram and Twitter accounts. A TV insert and radio broadcast were done of the event by national media YLE Häme, which featured the interview of HAMK Design Factory Director Jari Jussila and PhD student Anastasia Platonava from Athlone Institute of Technology.

Image 3. Yle News article about the Bootcamp.

The screenshot shows a Yle News article. The main headline is "Hämeen ammattikorkeakoulu isännöi eurooppalaista korkeakoulutapaamista – RUN Eurooppa-verkosto tapaa nyt ensimmäisen kerran kasvokkain". The sub-headline is "HÄMEEN AMMATTIKORKEAKOULU". The article text states: "Noin 80 opettajaa ja opiskelijaa tutustuu viikon aikana Hämeen ammattikorkeakoulun koulutukseen sekä muun muassa Design factory-konseptiin. Koronasulun jälkeen kaippu tavata kasvokkain on suuri myös koulutus- ja tiedeyhteisöissä." There is a large photo of a woman in a patterned jacket. To the right, there is a "Pääuutiset" section with a video player showing a man in a suit, with the headline "THL:n Mika Salminen: Omikronmuunnoksen leviäminen Suomeen on vääjäämätöntä, paniikkiin ei silti ole syytä". Below this are two more video thumbnails: "Sinä äänestät, kuka päättää terveydenhoidostasi - lue 13 kysymystä ja vastausta, niin pääset kärryille aluevaaleista" and "Jopa 600 euron kuukausimaksu vie yksityisen päivähoidon mahdollisuuden monelta helsinkiläiseltä - Touhula-johtaja: 'Helsinki eriarvoistaa perheitä'".

The news is available from the Yle webpage: <https://yle.fi/uutiset/3-12160184>.

Image 4 YLE Häme radio interview



After the Design Factory Bootcamp communications about the event continued in the Design Factory Blog. The following Blog Articles were released to communicate about the event and deepen its themes:

- [Blog Article: Student assistants' thoughts from RUN-EU Super Week](#)
- [Blog Article: Equality, inclusiveness and passion for learning](#)

A feature video of Design Factory Bootcamp was filmed during the Super Week, including interviews of three students, two teachers, a few Design Factory staff members and some footage of activities taking place during the Bootcamp. The video is openly available from:

Instagram Stories (Tarinat) and Posts (Julkaisut) from October 25th to October 29th

Image 5 Instagram stories 1

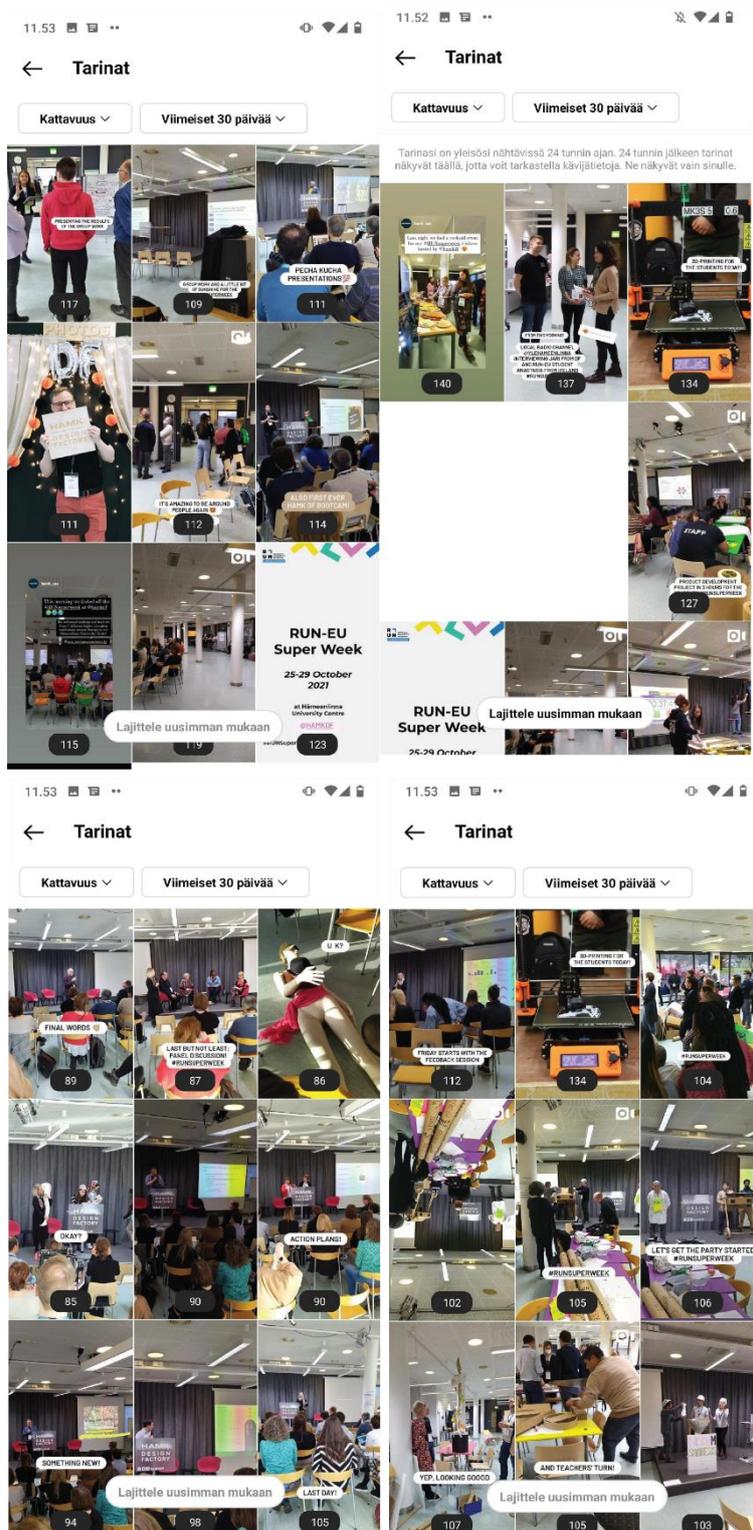
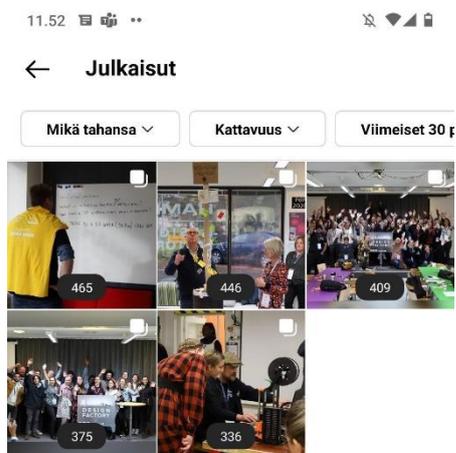


Image 6 Instagram stories 2

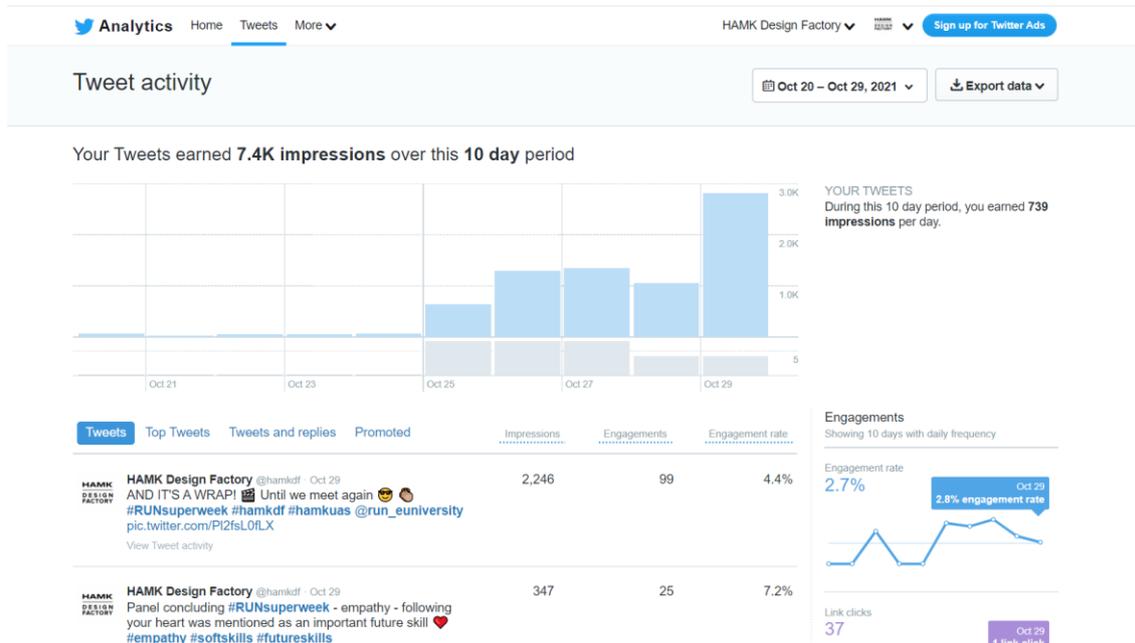


Image 7 Instagram posts



Twitter analytics from October 25th to October 29th

Image 8 Twitter analytics



2. Action

2.1 Day 1 Designing Design Factories

Day 1 was about getting to know each other and starting points of each Design Factory. There was a pretask for each participant to prepare and present during the first day.

Each participating institution prepared a Pecha Kucha presentation, where they described the current state of the institution regarding the Design Factory concept. At the beginning of the day, these presentations were first delivered.

Image 9. Pecha Kucha presentations.



Image 10 Pecha Kucha presented by visitors



After the Pecha Kucha presentations, a brief overview of Design Factory concept was given. This presentation included discussion about values that inspire Design Factory (also available as [blog article](#)), discussion about role of building a culture that nurture employee (teacher) and customer (student) experience, powering students passion for learning (documented as [blog article](#) after the Super Week), as well as, thoughts about interdisciplinary education. Finally, the International Design Factory Week 3-7th October in NHL Stenden was introduced.

Participants were asked to write down questions about Design Factory on a whiteboard that would be answered during the Super Week.

Image 11. Questions about Design Factory.

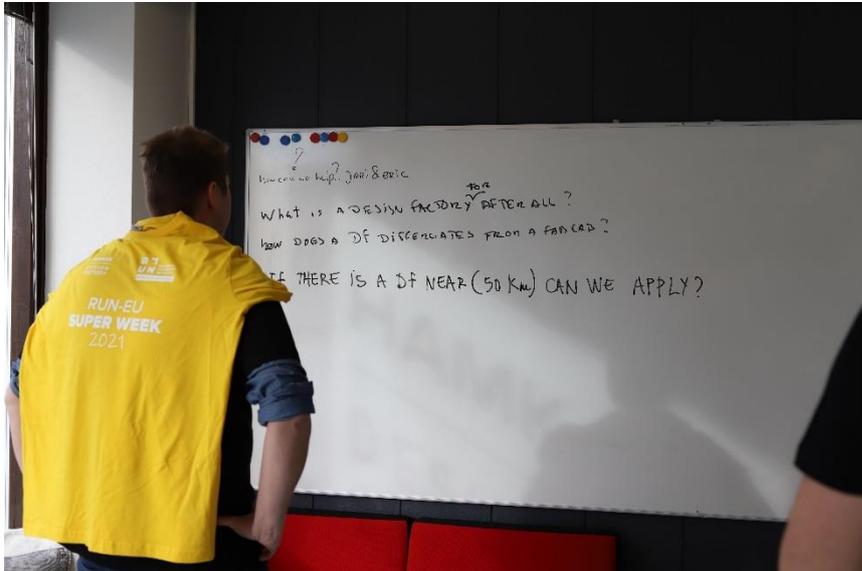


Image 12 Teamworking



2.2 Day 2 Design Factory procedures & collaboration with enterprises

Day 2 started with information about Design Factory procedures and collaboration with enterprises that are relatively common in Design Factories. Collaboration with enterprises was hosted by Development Manager Tero Heli from Kiertokapula, a local partner enterprise of HAMK Design Factory. Company collaboration was followed by workshop on changing role of teachers in authentic learning environments and industry collaboration.

Image 13 Ideation of company collaboration.



In the workshop, participants reflected on how teachers need to craft their job to build relevance and meaningfulness. They utilised the results of [the research article](#) on how teachers changed their tasks, relationships and the way they think about their job. Many challenges also came out, how difficult the change is for some of the teachers.

Image 14 Group project



2.3 Day 3 Prototyping

Day 3 was about prototyping. Prototyping is a key design thinking method that helps participants to think with their hands and make their ideas tangible. Studying in Design Factory often involves prototyping as part of the courses. Prototyping is perhaps the most efficient means for gaining a hands-on experience of Design Factory.

Prototyping was done for two groups. In the morning student teams prototyped their ideal workshop for training future skills and in the evening, it was the teachers' turn. Student teams were also following the teachers' prototyping.

Prototyping was performed with the PD3 – Product Development in 3 hours concept. The prototyping session included introduction to PD3, the design brief for prototyping, and then teachers' prototyping in their institutional groups. Each group presented their prototypes and voted for the best prototype.

Image 15 Prototyping workshop



Image 16 Building the prototype



Image 17 Presenting the prototype



Image 18 Acting the prototype



2.4 Day 4 Building Design Factory culture

Day 4 was about building Design Factory culture. The bootcamp participants had also the opportunity to witness Design Factory culture in practice by visiting the Design Factory 3D printing workshops organised for the students. Design Factory culture workshop was facilitated by Eric Voigt, Director of Frisian Design Factory, NHL Stenden and Jari Jussila, Director of HAMK Design Factory, HAMK. The workshop included also a pre-recorded talk by DFGN Strategist Päivi Oinonen from Aalto Design Factory.

The participants visioned the Super DF'ERS, the ideal person(s) working for Design Factory, the "iceberg" model of the Design Factory culture, including manifestations, norms/rules/behaviours, values and assumptions. The purpose of the workshop was to getting people started in imagining and planning the future Design Factory. The provided templates and canvases function as practical tools to be used inside the institution for further discussion and development of Design Factory.

Image 19 3D printing workshop for Super Week participants



Image 20 Presenting the culture plan (Super DF'ERS)



Image 21 Culture plan



2.5. Day 5 Friday Gala and Action Plan

The last day was reserved for Friday Gala, where each institution presented their Actions Plans what to do after the Bootcamp. The rest of the program was common with the participants of Pedagogical Development Programme and Short Advanced Program students. After the presentations there was a panel discussion including participants from Design Factory Bootcamp, Pedagogical Development Programme, and Short Advanced Programme, HAMK Vice Rector and stakeholder representatives. The Day 5 concluded with group photograph and a few final words.

Image 22 Action plan presentation



Image 23 Action plan for the future



3. Questionnaires and conclusions

During the RUN-EU Super Week participants had an opportunity to tell how they feel about the week. Participants told to I wish I like -wall they thoughts, feelings and development ideas.

All in all, the questionnaire results were excellent, and the participants were pleased with the week. Special thanks were given to teamwork, collaboration, prototyping and atmosphere of the week. For many people the week was filled with new ideas, concepts, and content that they wouldn't normally do or talk about on daily basis.

Development ideas were collected on the I wish -section. There were less answers on this section and the same subjects rose frequently. Things like scoring in the prototyping competition, lack of feedback for the students and mixed student-teacher teams were mentioned. These are the things we also recognized, and we will keep these things in mind for the next Bootcamp. On a positive side, participants also wished for more experiences like this and hoped they have an opportunity to participate again.

Bootcamp staff members were happy about the feedback and it was great to see that so many participants had an excellent week and that they had many new things to take back home. HAMK Design Factory has never organised Bootcamp, so it was great that such a hard work paid off and the week were success, even after and during COVID-19.

Image 24 I wish questionnaire

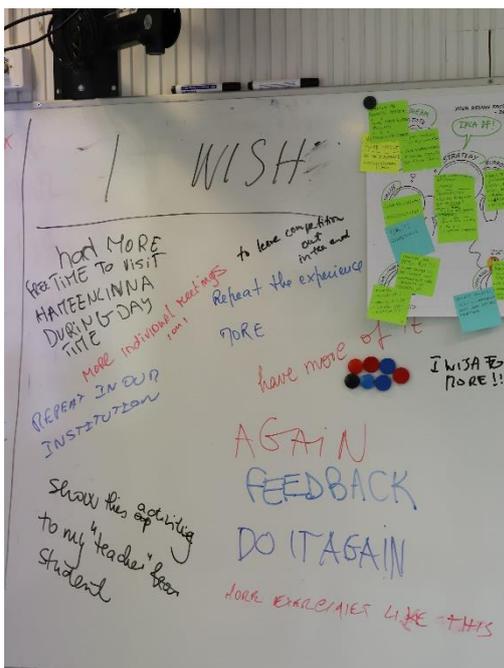


Image 25 I like questionnaire

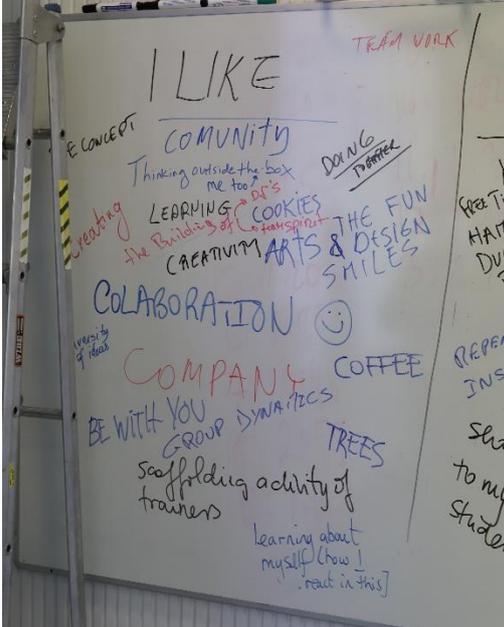


Table 1 – I like-questionnaire results

I like			
The concept	Doing together	Cookies	Smiles
Community	Creating	Creativity	Collaboration
Team Work	Learning	Arts & Design	Diversity of ideas
Thinking outside the box x 2	The building	The fun	Company
Bringing our great minds and ideas together	Feeling a real team spirit	Positive vibes only	Coffee
Learning about myself and how I react in this	Group Dynamics	Trees	Be with you
Cookies	Creativity	Arts & Design	The fun
Smiles	Collaboration	Diversity of ideas	Company
Coffee	Be with you	Group Dynamics	Trees
The fun x2	Prototyping	It was a challenge	

Table 2 – I wish-questionnaire results

Table 2

I wish			
Anonymous scoring x2	Individual scoring	No scoring	To leave competition out
Different teams than the online teams	Add student feedback x5	Desiring	Repeat indoor institution
That I could have participated	Mixed teams (students & teachers)	More individual meetings	Repeat the experience x2
Had more free time to visit Hämeenlinna during day time	Have more of it	More x2	Again x2



The content of this publication represents the views of the author only and is his/her sole responsibility. The European Commission and the Agency do not accept any responsibility for use that may be made of the information it contains. Grant Agreement Number: 101004068.