



Aalto University
School of Arts, Design
and Architecture

Sustainable design S11

Group work status check & deliverables

Monday 27.5.2024

Agenda

13:15 Group work status check & deliverables

13:40– Tutoring slots for groups (20 min each)

Biomaterials (Anu, room M237): 13:40 (group #1) 14:00 (group #2) 14:20 (group #3) 14:40 (group #4) 15:00 (group #6) 15:20 (group #7)	Plastics (Tatu, room M240): 13:40 (group #12) 14:00 (group #13) 14:20 (group #14) 14:40 (group #15) 15:00 (group #17)	Concrete (Mikko, online): <i>Concrete groups agree with Mikko on tutoring slots for Tuesday...</i>
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Group work status check



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Conceptual design exercise in groups

Sustainable Design 2024 course's last part (sessions 9–13) focuses on a conceptual design exercise done in groups:

- In the group work, you work together in 4–6 student groups to identify a sustainability challenge within a given material theme, and then ideate and propose a design concept as a solution
- The outcome could be a redesigned product and/or service-system, or a communications campaign, or even some organizational/policy development
- Focus themes: Biomaterials, Concrete, Plastics; See material resources in MyCourses!
- Groups work independently, create some group for communication, agree on roles!
- **Group work outcomes are communicated in presentation** (PPT/PDF); Reflections of process in learning diary (reflection #6)...
- Group work continues sessions 9–13, **presenting final outcomes on Monday 3.6.**

Groups and themes *(see email contacts in the MyCo announcement...)*

Biomaterials (Tutor: Anu)		Concrete (Tutor: Mikko)		Plastics (Tutor: Tatu)
Group 1: 1. Alice Hart 2. Biyu Zhang 3. Darja Svidchenko 4. Helena Massuda Garcia 5. Fabian Fontanot 6. Simon Mäki-Rautila	Group 4: 1. Nguyen Ngoc Thuy Duong 2. Olli Majalahti 3. Tetsu Fujimura 4. Sayaka Kozawa 5. Sofia Annika van Rijn 6. Matylda Rakowska	Group 5: 1. Lewis Blake-Farkas 2. Katalin Anna Dán 3. Daryna Taushan 4. Akanksha Bhat 5. Katalin Réka Király 6. Vibe Torgersen	Group 10*: 1. Venla Hämäläinen 2. Vivian Katajainen 3. Ella Nikulainen 4. Vilma Viertola 5. Katariina Jussila	Group 12: 1. Aku Hanhijärvi 2. Alizée Long 3. Astrid Kajerdt 4. Elina Saaresto 5. Iuliana Fadeeva
Group 2: 1. Elisa Roinisto 2. Elvira Anna Margaretha Rak 3. Erica Baker 4. Laura Ruggeri 5. Jussi Raasakka 6. Lisel Ekarv	Group 6*: 1. Suvi Pelkonen 2. Nina Knuutinen 3. Enni Gröhn 4. Ilona Koivisto 5. Saija Airala	Group 8: 1. Alex Fagerström 2. Anna Starck 3. Camilla Mascher 4. Dominika Herranen 5. Mareike Petica 6. Sari Majander	Group 11*: 1. Katri Kimpisalo 2. Helmi Mäntysaari	Group 13: 1. Kia Hemmi 2. Sonja Kainulainen 3. James Chen 4. Malhar Siddharth Shirur 5. Stig Hansen
Group 3: 1. Cecilia Della Salda 2. Le Bao Ngoc 3. Magdalena Gliszczyńska 4. Natalija Šapurova 5. Henrik Jansson 6. Anna Kiss	Group 7*: 1. Iines Lahtinen 2. Janette Karppinen 3. Salla Sopenlehto 4. Sofia Huttu-Hiltunen 5. Viivi Hirvikangas	Group 9: 1. Nikita Piekutowski 2. Vaiva Telešiūtė 3. Hugo Lebeda 4. Petra Hanski 5. Arnav Ghurde 6. Joonas Rimpiläinen	Group 16: 1. Eeva Vuorinen 2. Alekski Poikkimäki 3. Kristian Preznal 4. Justine Mazars 5. Lucas Jordi Lassenius	Group 14*: 1. Lassi Eemeli Kauhanen 2. Kirsikka Poikkimäki 3. Liisa Alina Perälä 4. Valter Lyytikkä
				Group 15*: 1. Minella Leppänen 2. Aatu Venni Sakari Mäkinen 3. Ella Kirjavainen 4. Rasmus Mänty 5. Ronja Viitajylhä
				Group 17: 1. Anna Yli-Luukko 2. Samuli Aaltonen 3. Tytti Virta 4. Mona Niemistö
* Groups marked with a star can work in Finnish, however groups present their results in English.				

Examples of outcomes

Some examples of design concepts as outcomes of group work (from 2022–2023):

- **Biomaterials theme:**
 - Redesigned products/production (e.g. consumables, clothing, etc.) from various different bio-based materials
 - Redesigned systems of biomaterial production, circulation, recycling (also ethical aspects!)
 - Digital platforms to support material innovations; Communication, awareness campaigns
- **Concrete theme solutions:**
 - Systems for efficient use of concrete; Also considering reuse, recycling, end-of-life
 - Solutions to improve (some elements in) manufacturing processes for concrete
 - Digital solutions for information management in building industry; Communication, awareness campaigns
- **Plastics theme solutions:**
 - Reusability of plastic containers for some activity; Refund systems etc.
 - Redesigned plastic products; Redesigned use of virgin vs. recycled; Ecodesign
 - Plastic products' repair services; extension of product-life, 2nd life; end-of-life
 - Communication, awareness campaigns for consumers and business

Remaining sessions



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Group work schedule

Group work sessions (9–13) and locations:

Session 9: Mon 20.5. (Jeti - A208d, A Grid) – Case work kick-off

- Group work: Themes, groups, practicalities

Session 10: Fri 24.5. (Jeti - A208d, A Grid) – Case work continues

- Lectures on biomaterials and policy & business drivers

Session 11: Mon 27.5. (M240 / M237, Otakaari 1) – Interim check & tutoring sessions for groups

- Shared tutoring session between 13:15–13:40, scheduled slots with tutors 13:40 onwards

Session 12: Fri 31.5. (only in Zoom) – Final deliverables check-up & tutoring session

- Final check-up on course deliverables & tutoring 9:15–10:00 followed by independent work

Session 13: Mon 3.6. (U119 / M240 / M134, Otakaari 1) – Final presentations

- Presentations between 13:15–16:00 in three locations according to thematic focus

(Fri 7.5. no class – Finalize diary & course feedback, independent work...)

This Friday session (online)

Session on this Friday (31.5.):

- **This Friday we will have a final tutoring session online between 9:15-10:00** (in Zoom)
- We will look into the final presentation sessions, course deliverables and feedback
- If there is still a need for some groups, we can continue with tutoring in breakout rooms
- Zoom-link for the session will be shared in a MyCo-announcement, and also here:
<https://aalto.zoom.us/j/4714779342>

Final presentations next Monday (3.6.)

Final presentations on Monday (3.6.) 13:15 onwards:

- Prepare presentation slides (PPT/PDF) and upload by Monday noon to MyCo (one upload per group)!
- You have max. 15 min, so it would allow quite thorough presentation on your outcomes
- In the presentation, discuss the challenge you identified within your material theme, reflect on your ideation process, and present your design concept for its solution
- Utilize approaches & strategies from the course (LCA and CO2 footprinting, ecodesign, system maps, service blueprints, etc.); Make slides comprehensible as a 'stand-alone' package; Also, add references and sources to materials, especially if you have been able to do further research!
- Make sure to have group members names in presentation slides; You can choose if all or just some of the group members are doing the talk
- Prepare a presentation talk (max. 15 min) that is then followed by discussion (5 min)

Final presentations next Monday (3.6.)

Classrooms & groups for final presentations on next Monday (13:15–16:00):

- **Biomaterials groups in room M240** (Anu) (= groups #1,2,3,4,6,7)
- **Concrete groups in room M134** (Mikko) (= groups #5,8,9,10,11,16)
- **Plastics groups in room U119** (Tatu) (= groups #12,13,14,15,17)

If time allows, reflective discussion of the course outcomes at the end!

See you on this Friday at 9:15, at the final tutoring session (Zoom):

<https://aalto.zoom.us/j/4714779342>

Thanks!



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Tutoring slots for groups

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