Race for the future

DESIGNS FOR A *COOLER* PLANET

02:09–25:09:20

A! Aalto University

Helsinki Design Week

Ready, steady, go!

DESIGNS FOR A *COOLER* PLANET

The clock is counting down.

Current issues concerning energy production, single-use products and packaging, aggressive urbanisation and unsustainable consumption are alarming and require radical change.

We now have ten years left to reach the Sustainable Development Goals (SDGs). To make the necessary shifts, we need intelligent and well-designed solutions, designed together as teams. This race isn't won with speed, it's won with creativity.

Achieving our goal of a sustainable transition requires focused, novel approaches from all areas of society.

Through four exhibitions, the Aalto University Designs for a Cooler Planet event showcases sustainable solutions in September 2020.

Our community has over 30 projects that show how collaboration between designers, researchers and stakeholders can lead to better solutions for people and the environment to help us reach the SDGs.

Meet our four brave teams who have huge goals to meet. It's our future, so there's everything to play for.

aalto.fi/acoolerplanet

A! Aalto University Helsinki Design Week

A EU Green Week 2020 partner event

In 2015, the General Assembly of the United Nations introduced the 2030 Agenda for Sustainable Development, with 17 Sustainable Development Goals (SDGs) at its core.

Experimenting with foam at the CHEMARTS laboratory | Photo: Eeva Suorlahti

Meet the teams

Farewell to fossil fuels 1

More than half of our energy still comes from fossil fuels, yet no single technology can replace our reliance on them.

Our energy consumption continues to rise and by 2040, if we keep consuming the same way, energy consumption will have increased by nearly 50%.

Let's play as a team and use our talents to replace the fossil fuel system. We need to produce renewable energy and find energy storage solutions for electricity, heating and transport.

Close the loops 2

Making things and manufacturing processes produces pollution and environmental degradation which drains natural resources.

Single-use and short life-cycle products and packaging generate a lot of waste. Between 1950 and 2015, the annual production of plastic has increased nearly 200-fold. The fashion industry alone produces over 92 million tonnes of waste and consumes 79 trillion litres of water per year.

To close the loops, we need to design products that can be fully recycled and with materials that will be reused.

Hack our habitat 3

Aggressive urbanisation is putting a huge strain on our ecosystem. Rising construction volume causes massive demand for energy-intensive construction materials, and construction already accounts for 39% of global CO2 emissions.

Growing urban areas make it difficult for plants and animals to thrive. They also cause floods and flush chemicals into the oceans. Around 90% of our time is spent indoors, so the built environment has a huge impact on our wellbeing.

We need to hack our habitat and design better built environments for ourselves and the whole ecosystem.

Consume consciously 4

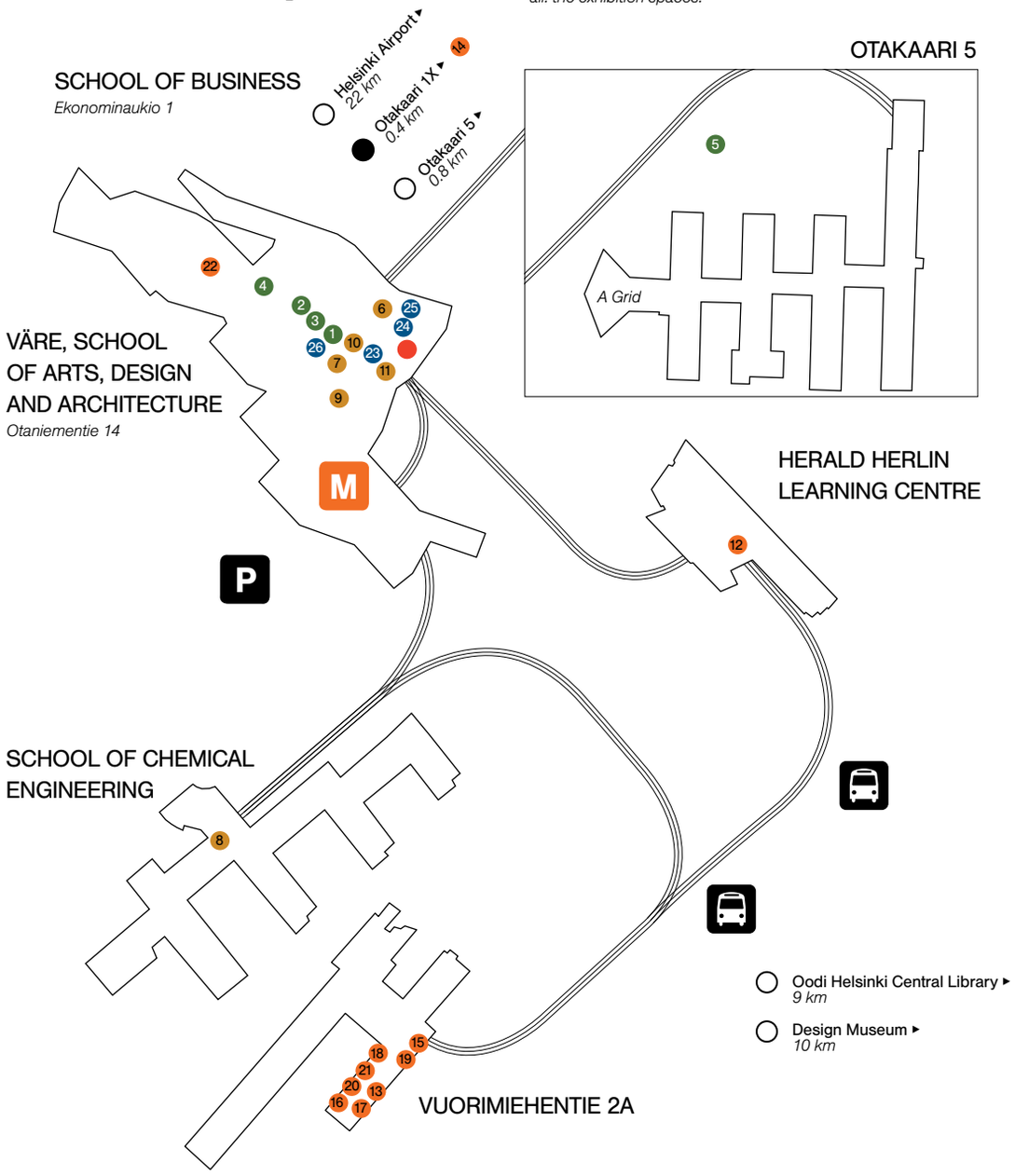
Household consumption accounts for more than 60% of global greenhouse gas emissions and 50–80% of total land, material and water use.

Within the next ten years, Finns need to cut more than 70% of their carbon footprint.

To reduce emissions and waste, we need to be educated on the impacts of our choices, change our mindset on consumption, and advocate for more transparent and sustainable production chains.

Venue map

Look out for wooden poles with the Designs for a Cooler Planet stripes. These colourful markers will help you to stay on the right track and visit all. the exhibition spaces.



According to the current coronavirus guidelines, only the Aalto students and personnel can visit the Otaniemi campus exhibitions without pre-booking. From September 7 onwards, we will organise a few small group visits to the exhibitions at Väre and Vuorimiehentie 2. Visits must be booked in advance. Registration links will be updated at aalto.fi/acoolerplanet in September.

- Farewell to fossil fuels
- Hack our habitat
- Close the loops
- Consume consciously
- Satellite exhibitions
- Starting point

Wood Wonders
Helsinki Airport

Cool and Icy Waters
Oodi Library, Kuutio

Soil Matters
Design Museum

Event calendar

For the time being, we'll organise all events (except Infrastructure walk) as virtual events. Check updated information at aalto.fi/

PechaKucha Night x Aalto University
02:09:20 | 20:00 – 22:00
POSTPONED
School of Business, V001, Ekonominaukio 1.
Tickets: www.helsinkidesignweek.com

The Celebration of Global Differences in Electricity Markets
02:09–25:09 | ONLINE EVENT
Video link to the performance launched 2.9 at aalto.fi

Co-creating the future of food
02:09:20 | ONLINE EVENT

09:00 Instagram LIVE talks with researchers, industry experts and entrepreneurs: Co-creation in the packaged food and beverage industry

12:00 Sustainable packaging - Markus Joutsela / Aalto ARTS and Pramod Jayaprakash / Spices Chef (Zoom webinar)

15:00 Instagram LIVE talks with researchers, industry experts and entrepreneurs: Regionality and internationalization in Finnish food

Co-Creating the future of food
03:09:20 | ONLINE EVENT

09:00 Instagram LIVE talks with researchers, industry experts and entrepreneurs: Trends and challenges in the food industry

12:00 Current state and future outlook of the insect industry - Topi Kairenius / Hyönteiskokki, Fat Lizard Brewing Co (Zoom webinar)

15:00 Instagram LIVE talks with researchers, industry experts and entrepreneurs: From crisis to creativity - food and beverage companies responding to the pandemic

SUSLA
Race for the Future theme month
02:–25:09:20 | ONLINE EVENT

Infrastructure walk in Otaniemi
08:09:20 | 17:00–19:00
Start in front of Väre, Otaniementie 14, link to registration

CreaTures
Discussing the power of creative practices for reshaping the future
09:09:20 | 17:00–19:30 | ONLINE EVENT
A panel discussion via Zoom

CreaTures
Creative Practices for Transformational Futures
23:09:20 | 09:00–10:00 | ONLINE EVENT
Organized with Design Club & Design Museum

BioTech Talks I
NewSilk 2020
10:09:20 | 14:00–16:30 | ONLINE EVENT
Keynote speaker: Daniel Grushkin

Solving the systemic challenges in textile and fashion industry
15:09:20 | 15:00–16:30 | ZOOM WORKSHOP 1 (FI)
21:09:20 | 18:00–19:30 | ZOOM WORKSHOP 2 (EN)
Link to registration

System Innovations for Business Sustainability
10:09:20 | 13:00–14:00 | ONLINE EVENT
Organized with Design Club & Design Museum

Visits to Aalto Ice Tank
By Cool and Icy Waters
Check updated information at aalto.fi/acoolerplanet

Farewell to fossil fuels

Electric-powered boat Skand | Design: Jean Munck & Laura Hietala

Our goals

Develop market mechanisms for systemic transition to clean energy

Solar and wind power are already scalable solutions - with other new entrants, these clean technology contenders are ready to go, but for that sprint to the consumer market, we must cheer them on with locally adapted market solutions.

Increase production of clean energy

The materials used in solar cells damage the environment. We need new generations of renewable energy solutions that are safer and reduce our material footprint. We could even use materials derived from plants and trees, such as cellulose, to construct many different components of solar cells.

Store energy with recycled metals

Renewable energy and electric mobility are key technologies to combat climate change, but batteries that store energy are dependent on certain minerals: lithium, cobalt, graphite and nickel. Currently, only about five per cent of lithium-ion batteries are recycled, and that number should be 100%.

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Develop vehicles with renewable electric power sources

Carbon emissions of cars, motorbikes, boats and aeroplanes would decrease dramatically if we used electric power sources and recharged with renewable energies. We can reduce overall energy use through product-service systems that promote use over ownership.

Build zero-energy houses

Buildings are carbon gluttons. They gobble up half of the world's raw materials and generate one-third of all greenhouse gas emissions. Perhaps out of shame, if nothing else, looking for more sustainable construction solutions. The carbon footprint of constructing a concrete multi-storey building is 75% higher than that of a wooden structure.

Exhibitions & events

1


2


3

EVENT

The celebration of global differences in electricity markets

02:–25:09:20 | MUSICAL PERFORMANCE, AVAILABLE ONLINE AT AALTO.FI

Zoom into the microdata of successful energy market transitions to help design cooler markets. Local market differences can be turned into strengths in scientific understanding.

This research project is a collaboration between Aalto University and Wärtsilä, and is funded in part by the Finnish Cultural Foundation.

Printable solar cell techologies for smart buildings 1

02:–25:09:20 | VÄRE, K CORRIDOR

Imagine a solar cell that could be integrated into modern buildings without compromising aesthetics. These cells can be made of abundant materials like titanium dioxide or carbon nanoparticles which are deposited on conducting surfaces with printing technologies

This project has received funding from Business Finland.

Solar energy through ChemisTree 2

Trees in electricity production

02:–25:09:20 | VÄRE, K CORRIDOR

Is it possible to use trees in electricity production? Surprisingly, yes, it is! Transparent cellulose films can enable greater efficiency of solar cells through their haze effect. Also, by replacing the glass surfaces with cellulose films, we can more easily recycle and recover expensive and rare components present in solar panels.

This research project is a collaboration between Aalto University, University of Turku, University of British Columbia, and RISE Research Institutes of Sweden, and it is a part of the FinnCERES Materials Bioeconomy Ecosystem.

BATCircle 3

Circular ecosystem of battery metals

02:–25:09:20 | VÄRE, K CORRIDOR

Väre, Otaniementie 14
Helsinki Central Library Oodi, Töölönlahdenkatu 4


4

The European battery market value is forecasted to reach 250 billion euros by the year 2025, while the majority of the current Li-ion battery value chain is based in Asia. Get to know more about responsible sourcing, refining and production of active battery materials as well as efficient recycling of end-of-life batteries, which are needed for the on-going energy and mobility transitions.

The research consortium consists of Aalto University, University of Eastesrn Finland, LUT University, University of Oulu, VTT Technical Research Centre of Finland and GTK Geological Survey of Finland and 23 companies and European battery network.

Electric-powered boat Skand 4

02:–25:09:20 | VÄRE, KIPSARI LOBBY GALLERY

The boat is powered by solar cells and makes no noise in the water. It has also been designed for rental use or as a city boat so that many people in the future can enjoy being on the water, while saving nature and materials.

Partners: Skand and Engineering agency Sven Ståhle, Yacht design

SATELLITE EXHIBITION

Cool and Icy Waters

04:–20:09:20 | HELSINKI CENTRAL LIBRARY OODI, KUUTIO

This amazing exhibition showcases Aalto University's world-class ice and marine technology research, which develops sustainable industrial innovations. Even though sea ice is getting thinner, we still need ice breakers as traffic on the waters grows and as demands for more environmentally energy efficient engines increases.

SATELLITE EXHIBITION

Wood Wonders 5

Climate-friendly wood construction

05:02:20–30:06:21 | 2B, ARRIVAL HALL, HELSINKI AIRPORT

Wood Wonders presents building concepts and wood structures that are carbon neutral, recyclable and versatile. The exhibition introduces recent research projects engineering the chemical and mechanical properties of wood. Virtual exhibition: aalto.fi/woodwonders.

The Finnish Ministry of the Environment has supported the exhibition.

IMAGE 1 | **Printed solar cells** | Photo: Valeria Azovskaya

IMAGE 2 | **Solar energy through ChemisTree** | Photo: Glen Forde

IMAGE 3 | **BATCircle** | Photo: Valeria Azovskaya

IMAGE 4 | **Visit Kokoon house at Otakaari 5** | 5

Photo: Tuomas Uusheimo

Close the loops

2

IMAGE | Unlike traditional pigments or dyes, this colour arises only from the physical structure of the material. | Photo: Valeria Azovskaya

Our goals

Keep materials in closed-loop systems for as long as possible

We need to know the origin of materials, how they are processed and used, and so that they could be recycled and upcycled forever. Monomaterials can be more easily recycled, but we should also develop how multi-material solutions, batteries for example, can be totally reused.

Replace toxic materials with safe ones

Biomaterials are often considered the best alternative to fossil-based ones. For example, shiny or glittery effects –popular in fashion and design – come from toxic pigments, plastic-based materials or metallic foils. We need bio-based and recyclable alternatives for solvent-based chemicals used in construction, furniture, clothes, shoes, textiles and costumes.

Experiment with biomaterials on a molecular level

Synthetic biology offers huge potential to mimic nature. For example, a combination of wood fibres and spider silk could rival plastic in the future: the unique material outperforms most of today's synthetic and natural materials in strength and stiffness combined with toughness. We can also create bioplastic, leather-like materials, and textiles from plant-based raw material sources like fungi and seaweed.

Exhibitions & events

What's Cooking? 6

Bio-based material experiments by CHEMARTS

02:–25:09:20 | VÄRE, FK LOBBY

From a bio-adhesive to reed panels and cellulose foam, a unique work created in collaboration with designers and biomaterial researchers shows what natural materials can do. Some of the recipes can be tested at home, while others are better suited for school and university laboratories.

Shimmering Wood 7

02:–25:09:20 | VÄRE V1 GALLERY

The secret of the wonderfully shiny surface is nature's own miracle ingredient, nanocellulose. Nanocellulose can be produced not only from wood but also from bacteria and agricultural waste. The colour has no colour pigments at all but is created from light-reflecting nanostructures, just like nature's brightest colours in peacock feathers or butterfly wings.

1

Naturally Dramatic 8

Textile design for sustainable costumes

02:9:–12:10:20 | KEMISTINTIE 1 LOBBY

Stage and film productions still make costumes with toxic materials like leather glues or solvent-based paints. The exhibition features textiles, materials and manufacturing methods that contribute to more sustainable practices and circular economy models in costume making.

2

FUNGI 9

The future possibilities of mycelium

02:–25:09:20 | VÄRE, V2 GALLERY

Mycelium is seen as a potential future material in various applications in the field of design. This is due to its attractive properties: mycelium is easy to grow and can feed itself with any waste material. It is also fire resistant, detoxifying, grows into any shape, and is incredibly strong.

Väre, Otaniementie 14
School of Chemical Engineering, Kemistintie 1

EVENT

Biotech talks I

NewSilk 2020

10:09:20 | ONLINE EVENT

Designing materials on a molecular level – what does it mean for researchers, designers and for the globe? Synthetic biology is becoming an essential part of our everyday life, but what is it? The NewSilk project will conclude in 2020, and it is time to share experiences from the journey in a half day seminar.

Partners: Helsinki University, Academy of Finland and VTT Technical Research Centre of Finland

3

4

IMAGE 1 | **Bio slime by Chiao-wen Hsu & Yu Chen** | Photo: Eeva Suorlahti

IMAGE 2 | **FUNGI** | Photo: Nina Hyry

IMAGE 3 | **Nanocellulose film can capture harmful microplastic particles from water.** | Photo: FinnCERES

IMAGE 4 | **Hidaka Ohmu in Davos** | Photo: World Economic Forum

Capturing microplastics and pharmaceuticals from waste water 10

02:-25:09:20 | VÄRE, BRIDGE 2ND FLOOR

Microplastics and pharmaceutical residues are notorious villains in our water systems. Scientists at VTT and Aalto have developed wood-based materials to tackle these nasty problems: a filter that can capture the smallest microplastic particles and a yarn that can capture harmful hormonal residues, both using nanocellulose.

Hidaka Ohmu 11

Seaweed pavilion

14:–25:09:20 | VÄRE MAIN LOBBY

The multisensorial seaweed pavilion is part of the work of 'the Department of Seaweed', a community of practice around the sustainable development of seaweed as a useful manufacturing material. The pavilion was originally displayed at the 50th World Economic Forum in Davos in January 2020.

Hack our habitat

3

Soil Matters | Photo: Tzuyu Chen

Our goals

Make human settlements inclusive, safe, resilient and sustainable

After rapid global urbanization, more people live in urban areas than in rural areas so architecture and landscaping must consider various social, political and ecological targets. Public outdoor spaces embody freedom and justice: squares, streets and parks are places to spend time and gather.

Protect and restore terrestrial ecosystems

Sustainably managed forests combat desertification, halt and reverse land degradation, and slow down biodiversity loss. We need to find efficient ways to sequester carbon in urban environments. As the climate gets warmer and cities are becoming even denser, invigorating vegetation and vibrant green networks are increasingly more important.

Design nature-based water cycles

Extreme weather events cause stormwater overflows due to the sheer quantity of constructed surfaces and outdated stormwater systems. Nature-based solutions, such as green roofs, pervious pavements and vegetated retention or swale provide hydrological, biological and social benefits.

Protect life under water

Human impacts on our seas are omnipresent: from noise pollution to microplastics, from eutrophication to oil spills. No human can ever know the ocean like the species that live underwater; but at the same time, our way of life constantly impacts the ocean.

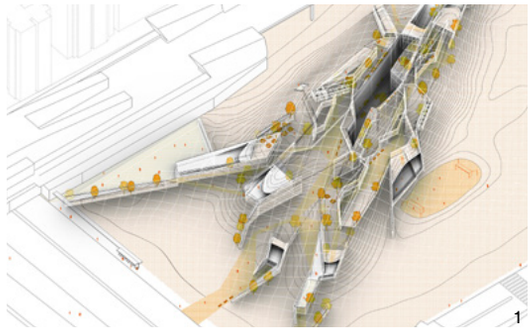
Reuse existing buildings

As cities develop and societies change, there are buildings to be found in the wrong locations, and with the wrong functions. Instead of causing a huge carbon spike by demolition and new construction, they should be given a new life.

Develop and use recyclable and non-toxic building materials

The construction industry is very materials intensive, and the majority of materials used are not renewable, recyclable or biodegradable. Building materials and structures are composites that are frequently difficult to separate and return to materials life-cycle loops.

Exhibitions & events



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Articulated landscapes 12

Sustainable future cities

05:–25:09:20 | HARALD HERLIN LEARNING CENTRE, LOBBY GALLERY

By viewing the city as a systemic network of relationships, we can develop new approaches to our future challenges related to urbanisation; climate change, environmental pollution, loss of biodiversity and exhaustion of natural resources.

The exhibition is part of a long-term collaboration Aalto University and Singapore University of Technology and is part of the Asia Programme by the Finnish National Agency for Education.

Carbon Lane 13

Urban biochar test site

02:–25:09:20 | VUORIMIEHENTIE 2A

Biochar can significantly increase the long-term capacity of cities to sequester carbon. It can also help with stormwater management and prevents run-off. Biochar can be made of organic waste, and it could replace use of peat in planting soil.

The project is a collaboration between City of Helsinki, University of Helsinki and University of Jyväskylä.

Makers of landscapes 14

02:–25:09:20 | BETA SPACE, OTAKAARI 1X

Landscape architecture is a multidisciplinary field, combining architecture, natural sciences and technology, and it has many solutions to climate change, such as sustainable landscape construction, stormwater management and green infrastructure.

The exhibition is a joint project with the Museum of Finnish Architecture and the Finnish Association of Landscape Architects, MARK. Lappset Group Ltd. and Viherympäristöliitto have supported the exhibition.

Exploring nature-based solutions in urbanised Otaniemi 15

02:–25:09:20 | VUORIMIEHENTIE 2A

Otaniemi campus, surrounded by a long coastline, is facing challenges of urban densification. Currently, over two thirds of surface area streets, rooftops and parking lots are impervious. A mathematical model explores the benefits of using nature-based solutions in stormwater design and management on the campus.

IMAGE 1 | **Articulated landscapes** | Illustration: Luka Piskoreč

IMAGE 2 | **Carbon lane** | Photo: Valeria Azovskaya

IMAGE 3 | **New life of Gardenia** | Illustration: Tamara Borges

IMAGE 4 | **Layering cellulose** | Design: Heidi Turunen Photo: Eeva Suorlahti

Harald Herlin Learning Centre, Otaniementie 9
Vuorimiehentie 2A
School of Business, Ekonominaukio 1
Väre, Otaniementie 14
Design museum, Korkeavuorenkatu 23
Beta Space, Otakaari 1X

EVENT

Infrastructure walk in Otaniemi

08:09:20 AT 17:00 (2HRS) |
MEET OUTSIDE OF VÄRE

Infrastructures blend almost unnoticed into the landscape, yet they carry hidden costs, about which only experts are normally aware. The infrastructure walk is a convivial and educational practice, combining technical expertise with local knowledge. Join our researchers to discuss and learn about future infrastructure.

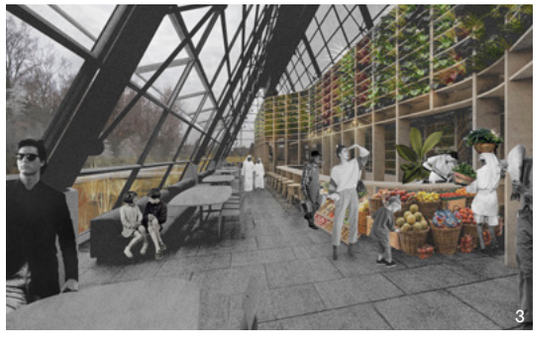
Interplay of cultures 16

Education in Global Sustainability

02:–25:09:20 | VUORIMIEHENTIE 2A

Thoughtful planning of cities can play a key role in preventing and alleviating many problems. Architects should therefore receive proper training to tackle the complex challenges of the future. A selection of student projects celebrates the 25th anniversary of education in global sustainability and humanitarian development at Aalto.

The exhibition was first organized at the Museum of Finnish Architecture in 2018.



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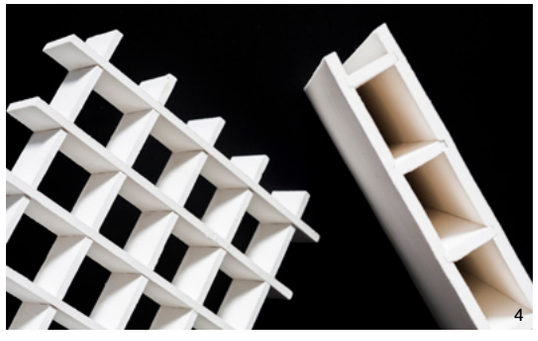


4

New life of Gardenia 17

Adaptive reuse concepts

02:–25:9:20 | VUORIMIEHENTIE 2A

Instead of causing a huge carbon spike through demolition and new construction, buildings should be given a new life. Architecture students have developed ideas for the future use of Gardenia Helsinki in Viikki – see how Gardenia would work as a vertical farm, a mosque or a school.

This project was done in collaboration with The City of Helsinki.

Exhibitions & events


1

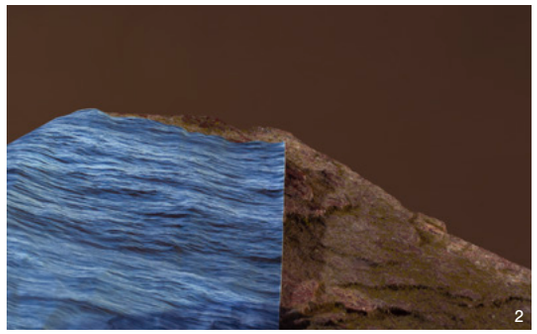
Layering cellulose 18

Recyclable bio-material structures

02:–25:09:20 | VUORIMIEHENTIE 2A

Materials used in furniture, interiors and construction consist of several ingredients that might be difficult to separate and recycle, and some of them can be harmful for humans or nature. These all-cellulose prototypes use nanocellulose as a glue and an ingredient for strong structures.

The research was done in collaboration with VTT Technical Research Centre of Finland, and it was funded by Business Finland.


2

The Alder Project 19

How to understand forests

02:–25:09:20 | VUORIMIEHENTIE 2A

80% of all terrestrial species are living in forests, but the use of wood is unsustainable and monocultural. The Alder Project documents a zero-waste approach: how an alder tree can be cut down, researched and used for furniture while leftovers are processed as a new fibre-based biomaterial.


3

Waves Rising 20

02.–25.9.20 | VUORIMIEHENTIE 2A

Waves Rising is a sculptural installation that conceptually materialises projections of rising sea levels.

This installation was shown at the Helsinki City Hall in January 2020.

The Baltic Ripple Effect 21

02:–25:09:20 | VUORIMIEHENTIE 2A

The Baltic Sea is not only one of the busiest shipping routes in the world but also one of the most vulnerable biospheres; a fragile ecosystem that is suffering from human impact. Artists, designers and photographers expose threats to the fragile ecosystem of the Baltic Sea.

Polaris artistic research project is a collaboration between Aalto University School of Art, Design and Architecture and IMAGE magazine

The project underground: whales 22

21:–25:09:20 | SCHOOL OF BUSINESS, LOBBY

This video installation reminds visitors that the number of blue whales still remains low even after 40 years of Antarctic whaling was banned. Still more than 1400 whales are commercially killed every year.

SATELLITE EXHIBITION

Soil Matters

04:09:20–10:01:21 | DESIGN MUSEUM, KORKEAVUORENKATU 23

Explore the materiality of soil and how it is interwoven with human activity.

The exhibition is a collaboration between Designmuseum, Finnish Environmental Institute SYKE and Saastamoinen Foundation.

IMAGE 1 | **The Alder Project** | Photo: Saara Kantele

IMAGE 2 | **Waves Rising** | Photo: Sara Urbanski

IMAGE 3 | **The Baltic Ripple Effect** | Image: Terhi Adler, Dominik Fleischmann, Sabina Friman, Sirja Moberg, Eulalia Ramírez

Consume consciously

Fashion design: Henna Lampinen | Photo: Nicca Sinervo

Our goals

Make sustainable choices every day

Within the next ten years, Finns need to cut more than 75% of their carbon footprint. The majority of the footprint comes from what we eat, how we live and how we move.

Eat less meat and dairy products, and reduce food waste

Food production accounts for up to 70 % of the global consumption of fresh water. The production of one kilo of wheat consumes 1,600 litres of water on average, while one kilo of beef 15,000 litres.

Acquire long-lasting and non-harmful products

The current logic in several consumer goods industries relies on cheap manufacturing, frequent consumption and short-lived use. For example, the global fashion industry produces 8-10 % of global CO2 emissions, and the majority of clothes are made of non-recyclable or reusable materials that end up in a landfill.

Support local and transparent production chains

Most countries are at least partially dependent on imported food and goods. Long supply chains may hide social and environmental challenges and can intensify vulnerabilities during any kind of global crisis.

Travel slow and close

Traveling by train is a far more ecological way to travel than flying, but its image could use a facelift. We also need to discover local gems instead of flying to places of mass tourism.

Educate people to be able to solve the grand challenges

Design education develops creative thinking and problem-solving skills, which improves opportunities to create solutions to Sustainable Development Goals.

Exhibitions & events

1

Co-creating the future of food 23

27:08:–08:09:20 | VÄRE, MAIN LOBBY

This exhibition sheds light on what happens behind the scenes of novel food and beverage products, showcasing Finnish entrepreneurs, experiments and collaboration needed for designing new innovative solutions.

See event list for additional details.

SUSLA

Your guide to a sustainable lifestyle

02:–25:09:20 | DIGITAL DISPLAYS ON CAMPUS

People want to contribute to a sustainable change, SUSLA wants to make these lifestyle changes easier. It's a detailed footprint calculator that provides both carbon and material footprints across five domains: housing, mobility, leisure, food and goods.

See event listing for additional information.

AALTO FASHION 20 24

Thoughts and views on sustainable fashion

2.–25.9.2020 | VÄRE, FE LOBBY

The exhibition showcases pieces from students' BA and MA collections where they have challenged themselves to create more sustainable fashion without compromising their own creativity and artistic vision.

EVENT

CreaTures

The power of creative practices for transformational futures

DIGITAL DISPLAYS ON CAMPUS

The CreaTures project demonstrates the power of existing – yet often hidden – creative practices to move the world toward social and ecological sustainability through lifestyles and ways of being. The panel will open a space for discussion about existing and potential roles of creative arts and design in driving socio-ecological transformations.

09:09:20 | 17:00 – 19:30, Panel discussion via Zoom

23:09:20 | 09:00 – 10:00, Online event

The project receives funding from the EU's Horizon 2020 research and innovation programme.

IMAGE 1 | **Co-creating the future of food** |
Anna Kuukka, Aalto University Design Factory

IMAGE 2 | **SUSLA** | Photo: Salla Lahtinen

IMAGE 3 | **Ecological travelling** |
Train Brag: Anni Tolvanen, Akseli Manner, Ilna Silventoinen

Väre, Otaniementie 14

Solving the systemic challenges in the textile and fashion industry 25

02:–25:09:20 | VÄRE, FE LOBBY

The current logic in the fashion industry relies on cheap manufacturing, frequent consumption and short-lived garment use. FINIX researchers observe the textile industry as a holistic system and highlight the changes that need to take place simultaneously by different players all around the globe. FINIX will support industrial transformation towards a more sustainable textile and fashion sector.

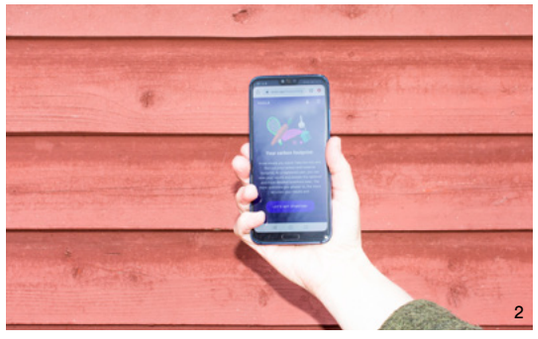
Online workshops:

15:09:20 at 15:00-16.30 | 21:09:20 at 18:00-19.30

Ecological travelling 26

02:–25:09:20 | VÄRE, LQ LOBBY

Reducing flying is an easy way to decrease your personal carbon footprint. Visual communication design acts as a means of social influence and activism in the tourism industry. The exhibition showcases student projects that were developed for the Matka Nordic Travel Fair 2020 to encourage travel by land.



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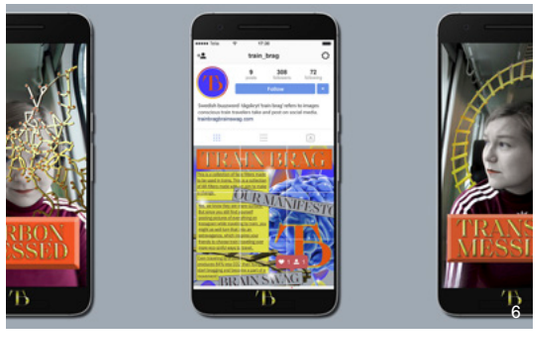

6

DESIGNS FOR A COOLER PLANET 2020

Project lead: Enni Äijälä

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Special thanks to all more than 50 Cooler Planet exhibitors.

Updated information at aalto.fi/acoolerplanet