

## Creative Sustainability



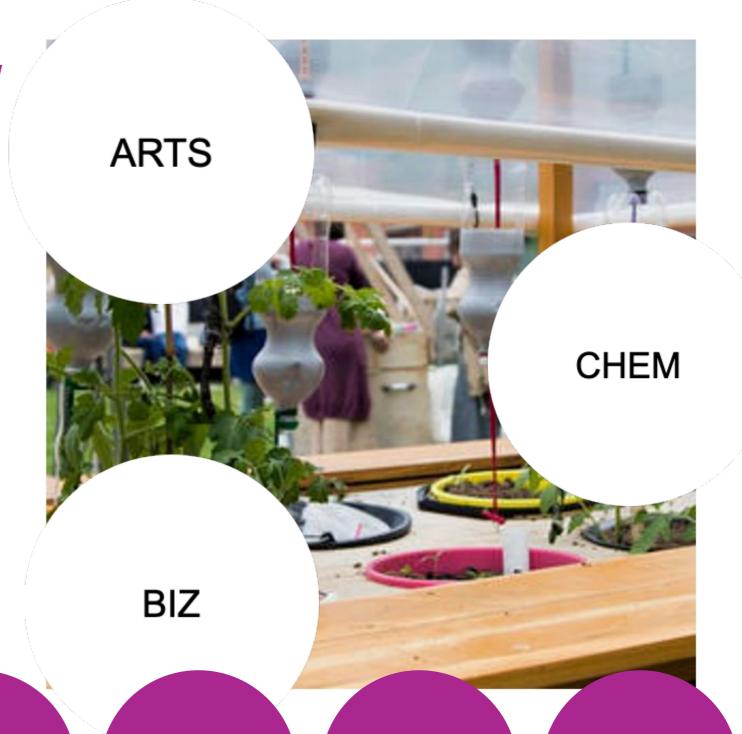
**Aalto University** 

**120 ECTS** 

60 Advanced major studies

30 Electives

30 Thesis



systems thinking

multidisciplinary competences

change making

sustainability in material use

design thinking

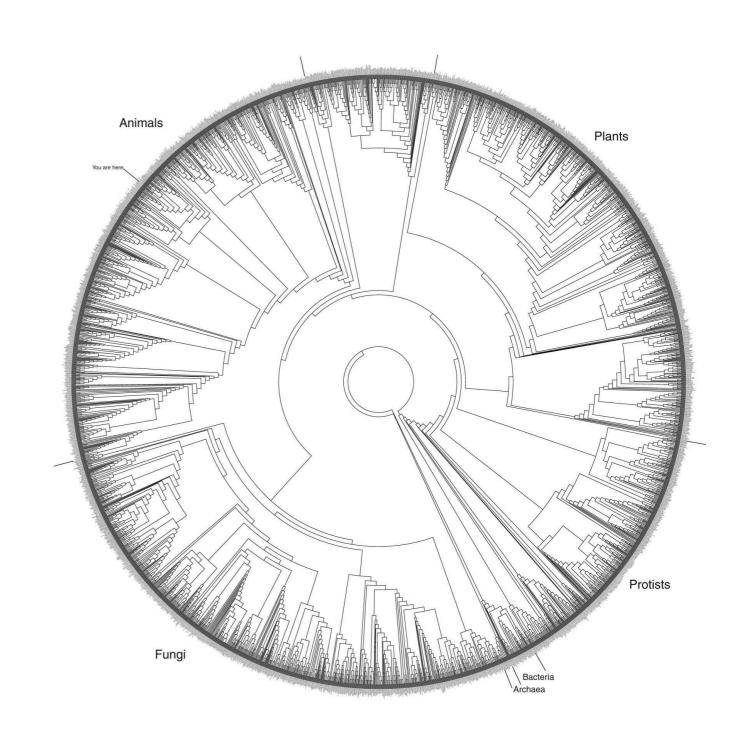
sustainability management

### SUSTAINABILITY TRANSITIONS AND FUTURES

# Creative Sustainability



- 6 ECTS
- Since 2017
- 2 rounds of curriculum development
- Interdisciplinary cohort of students
- Project-based, hands-on
- Group poster; individual reflective essay



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## SUSTAINABILITY TRANSITIONS AND FUTURES

# Creative Sustainability



#### **Aalto University**

- Sustainability transitions as design challenges;
- Basic understanding of how sustainability transitions projects unfold in practice;
- Mini transition arena;
- 2017-2021 focused on lowcarbon transitions in urban contexts



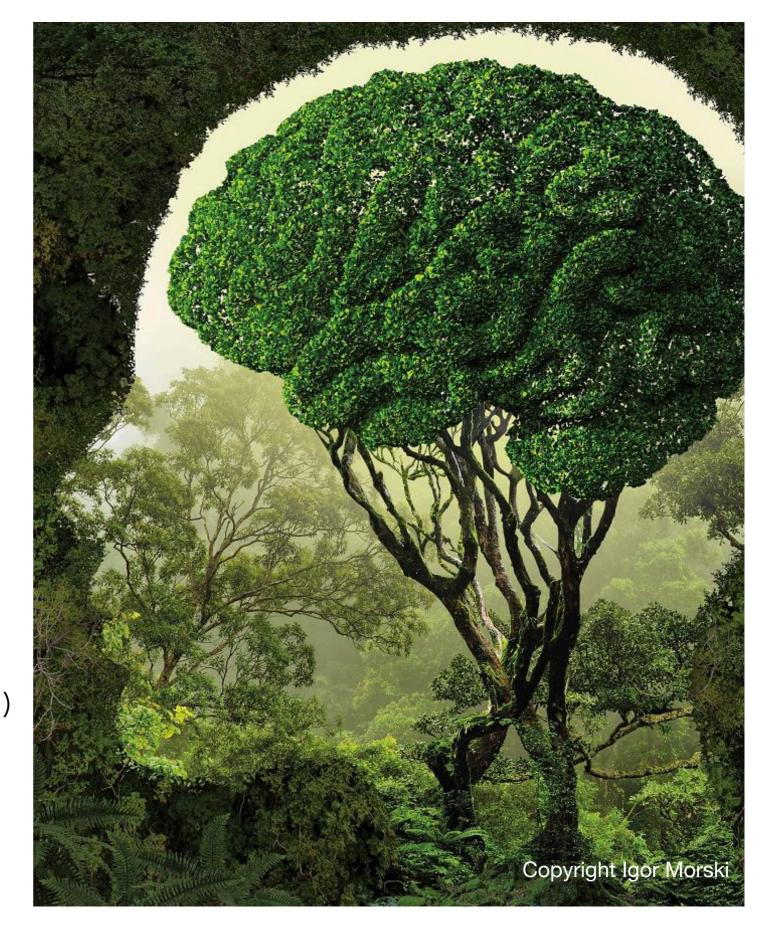




# HUMAN-NATURE CONNECTION

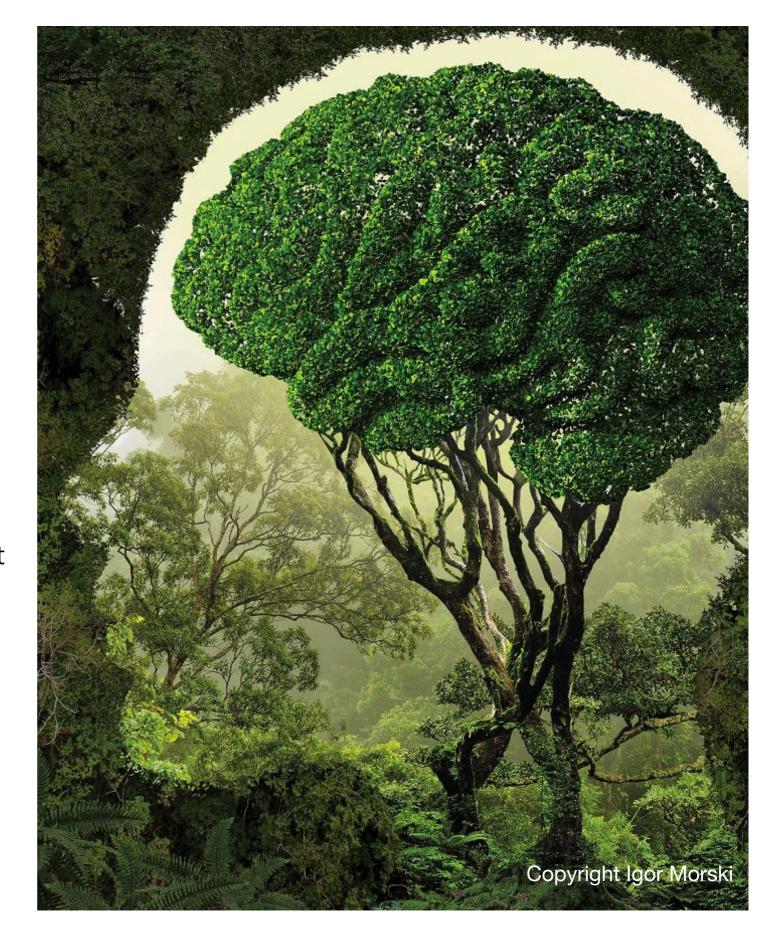
Sustainability science has been studying human-nature relationships for a while and the importance of nature and ecosystemic health for human wellbeing is well established.

(Ives et al., 2017)



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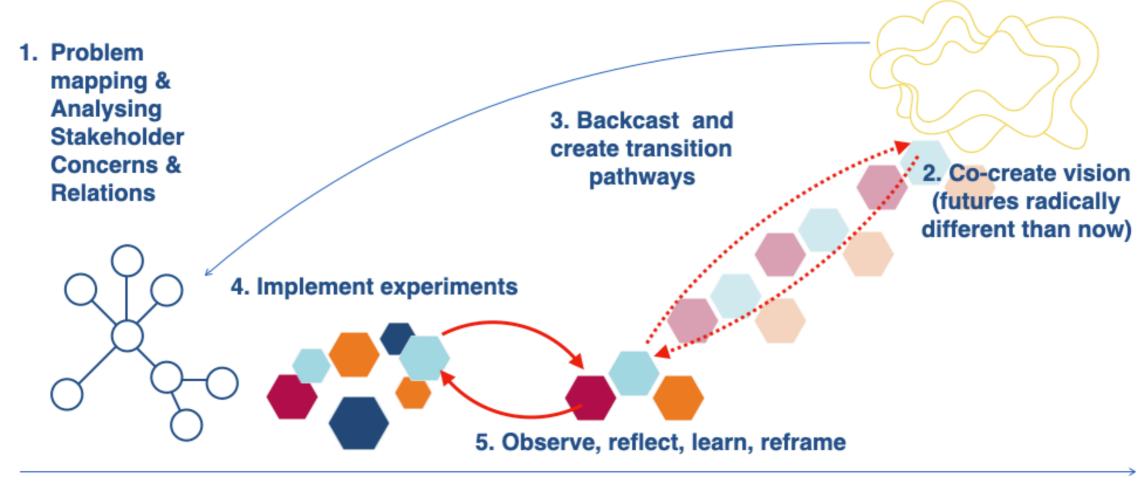
However, such research has not been able to transform the value system that has created the mindsets, structures and patterns of the predominant utilitarian perspective.





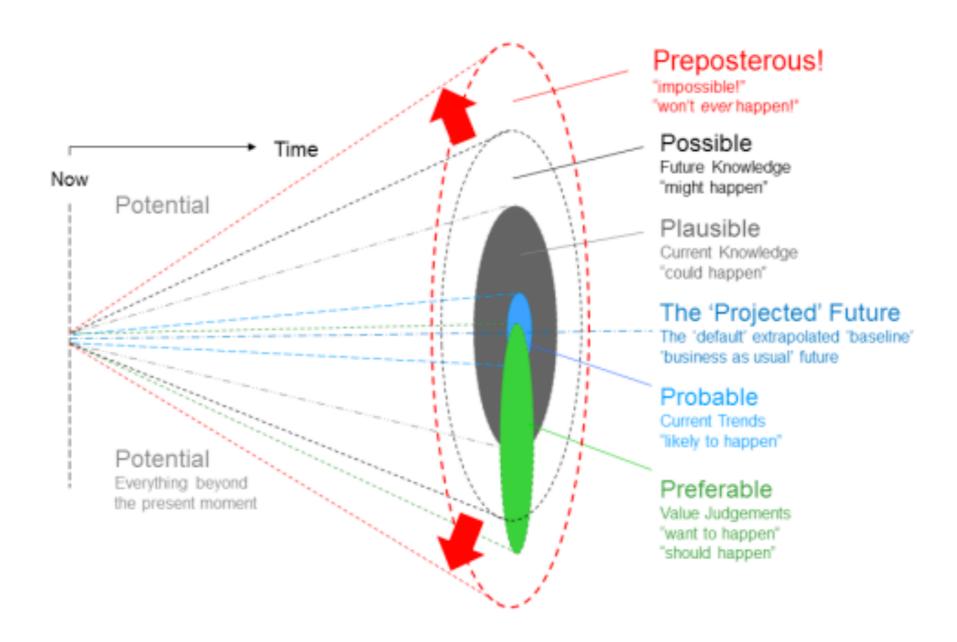
"Meeting the diverse, changing, inter-dependent, and irreducibly inseparable needs of all species of the present, while enhancing the ability of future generations of all species to meet their own needs." (Rupprecht et al., 2020)

### PROJECT PROCESS



Now Future

## PREPOSTEROUS FUTURES



Futures cone: (Voros, 2003; 2015)

# Theory loading & practice had to go hand-in-hand



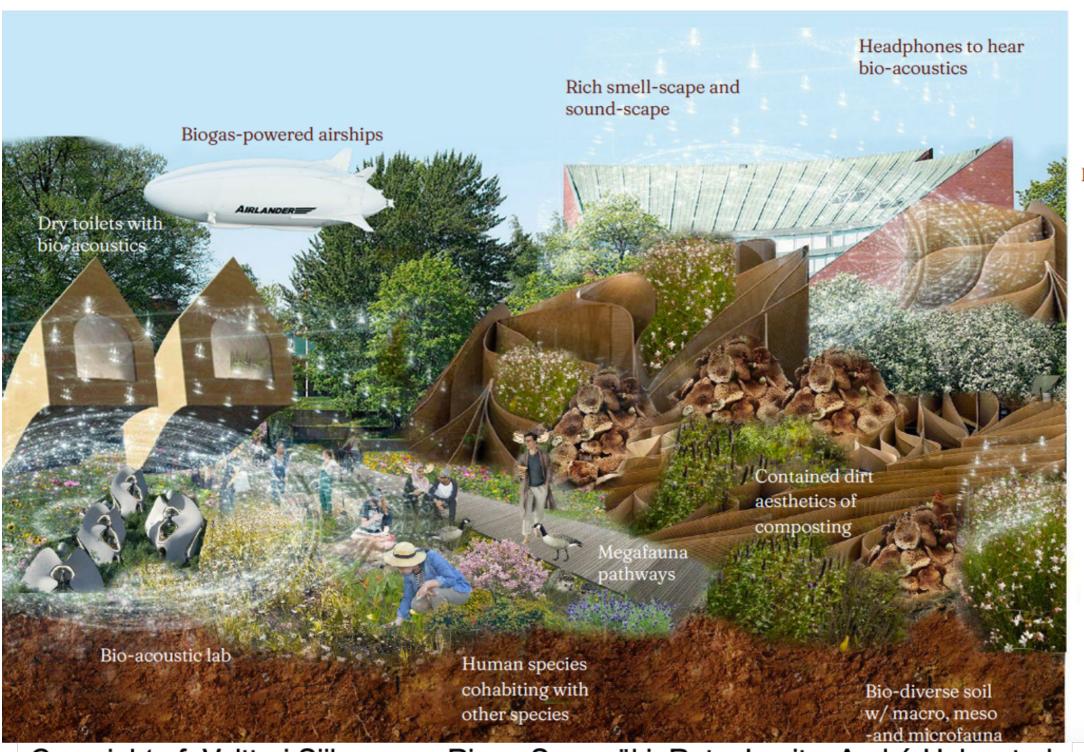
7 guest lectures +1 Aalto campus ecology

Multispecies perspectives from:
Anthropology
Law
Systemic design
Planning
Philosophy
Urban ecology

Urban futures



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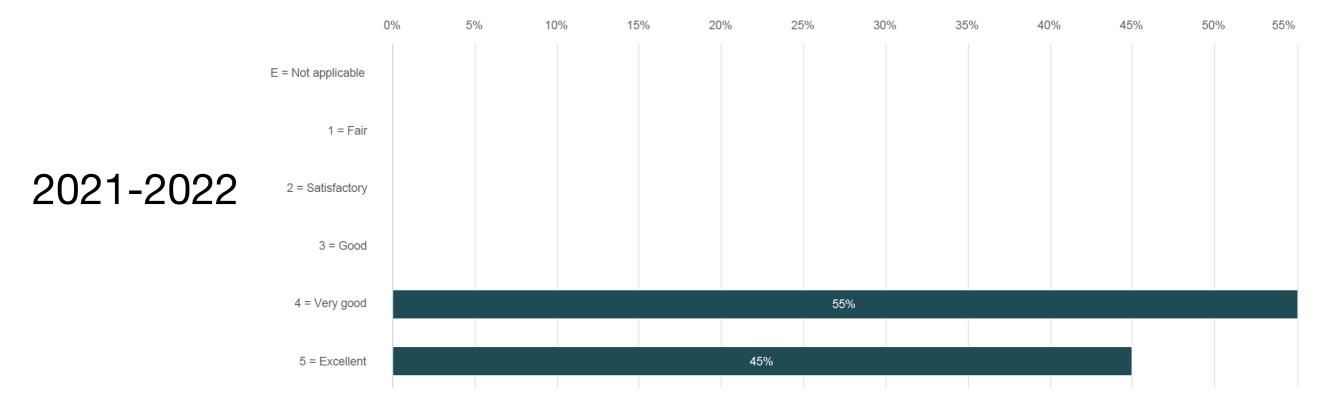
Copyright of: Valtteri Siikasmaa, Rinna Saramäki, Ruta Jumite, André Helgestad

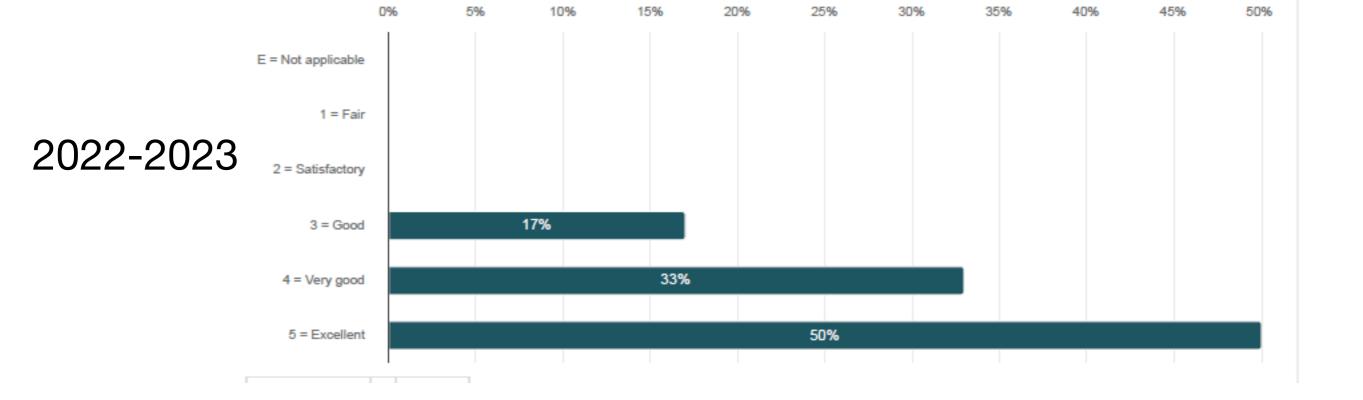


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#### 1. My overall assessment of the course

Vastaajien määrä: 11





I have felt tentative to draw 'non-designerly' topics into design, but now feel more confident in articulating that systems that are not commonly understood as designed actually are.

I feel encouraged to advocate for a more broad understanding of stakeholders and to keep on introducing the interconnectedness of designed systems, and to engage in the discussion about materials, where they come from and of whom they are made from, and how they are visually represented and framed.

Fellow students had a much more critical

point of view, which led me to reconsider my understanding of 'modern' and 'progressive'. Through discussions and balancing between the perspectives of "going backwards to the good old times" versus adapting to change through innovations or other interventions, there was actually a nice, almost timeless, creative zone created.

Design imposes its excellence and takes credit for taking a human-centric approach, but should design reconsider its human-centricity in all design practices? Who and what is design advocating for? As design penetrates so many other fields, it needs to be self-reflective to its value propositions.

Despite initial skepticism towards the multispecies framework, I recognise that having an explicit focus on other-than-human considerations as project framing facilitated major creative outputs for the future vision.

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#### Critical perspectives on impact of practice

I will carefully think about which discourses to work with and why in my upcoming masters thesis and later in my professional life

The perception of how I view images shifted a bit during the course to read into them more carefully. In the Acre Campus vision images (Fig. 3) non-human animals are either objects of attraction, or remote and far away.

From an anthropocentric point of view, dwindling species are lost from future people, and their experience of the world is different and altered, but more widely lost strains of evolution are also gone from the world and from time, and even more importantly from themselves

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#### Sensitisation about the assumptions underlying (futures) imagery

Another interesting point in Marcus's presentation was the notion that the imagery of futures projections usually present humans as the only species among technological infrastructure and perfectly crafted lawns and tree sculptures. The same issue came as an insight also within our team as we did desktop research on the imagery of future visions, with the exception of solar punk.

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#### Professional disempowerment and paralysis

However, I reckon that to apply the multispecies perspective in my future projects, I could use a further detailed set of tools and limitations - to not be overwhelmed by feelings of helplessness out of empathizing with every involved non-human in the process.

