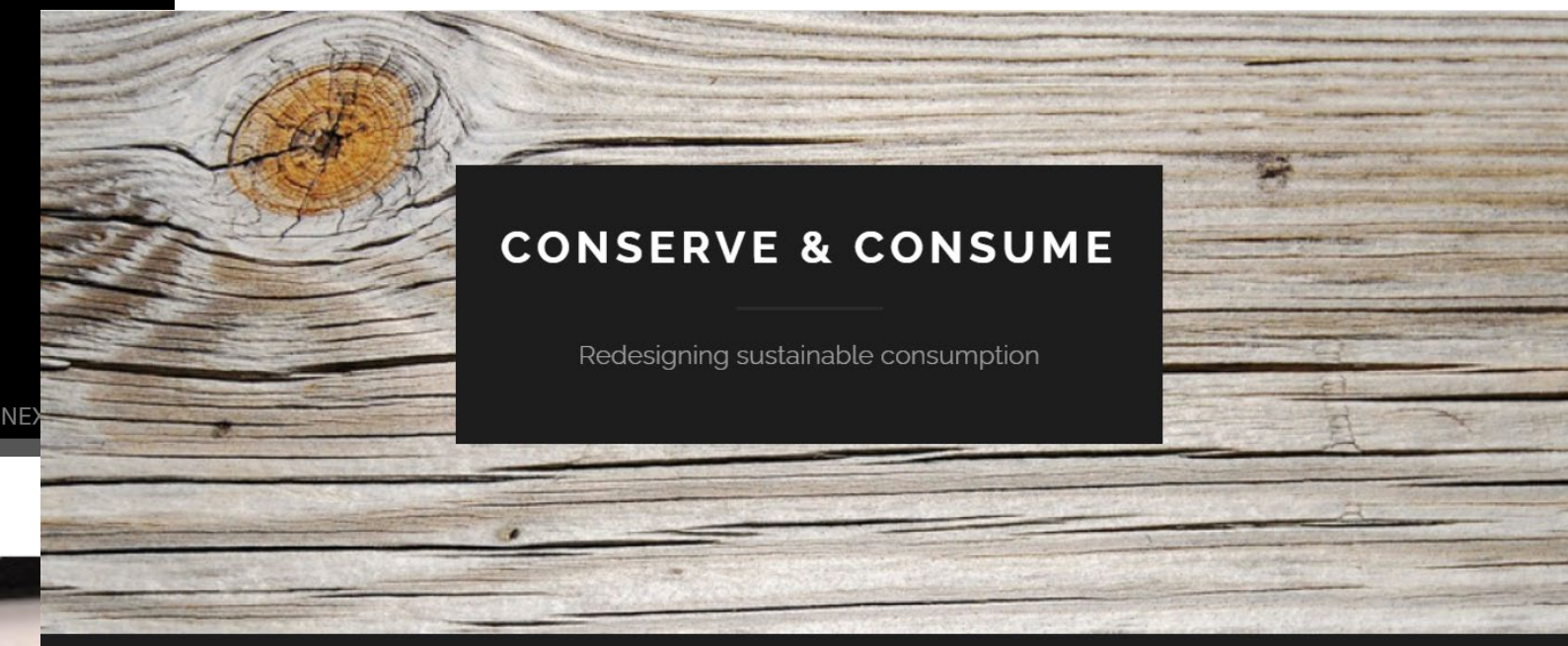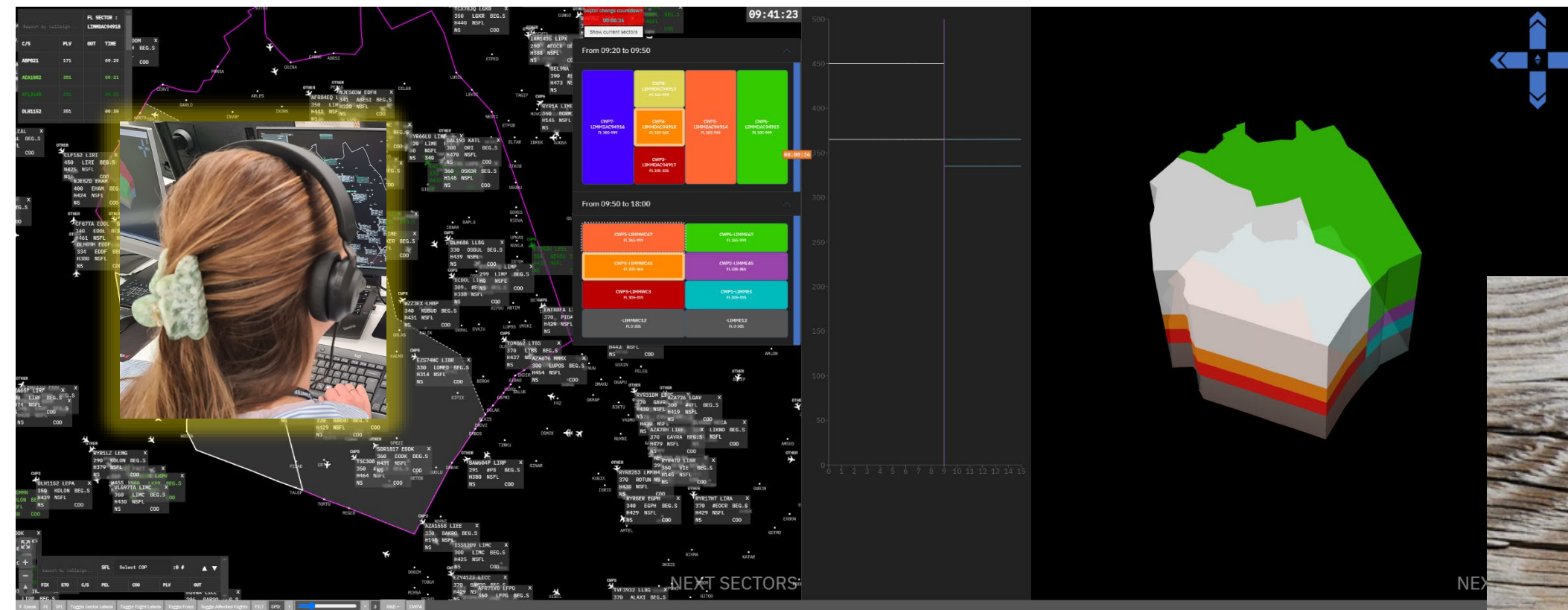# new ways of designing

Amela Karahasanović, SINTEF/UiO, 28/02/2024   amela@sintef.no

before we start

- What is designers' job? What do they design?

- How do they do it?

  [5 minutes]

what is designers' job? what do they design?

hwww.vitra.com/en-es/product/panton-chair
www.computerworld.com/article/3692531/evolution-of-apple-iphone.html
www.sintef.no/en/projects/2019/digital-network-management-services-pj.09-w2-dnms/
www.sintef.no/en/expertise/digital/sustainable-communication-technologies/user-journeys-and-customer-journey-modeling-language-cjml/
www.interaction-design.org/literature/article/how-designers-can-help-companies-design-for-the-circular-economy
conserveandconsume.wordpress.com

how do they do it?
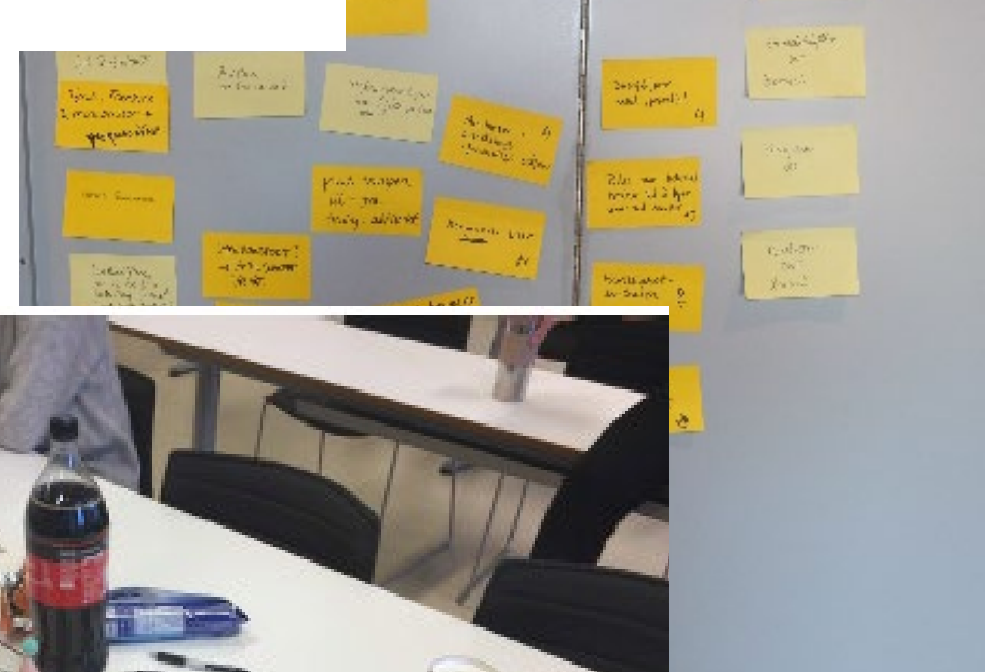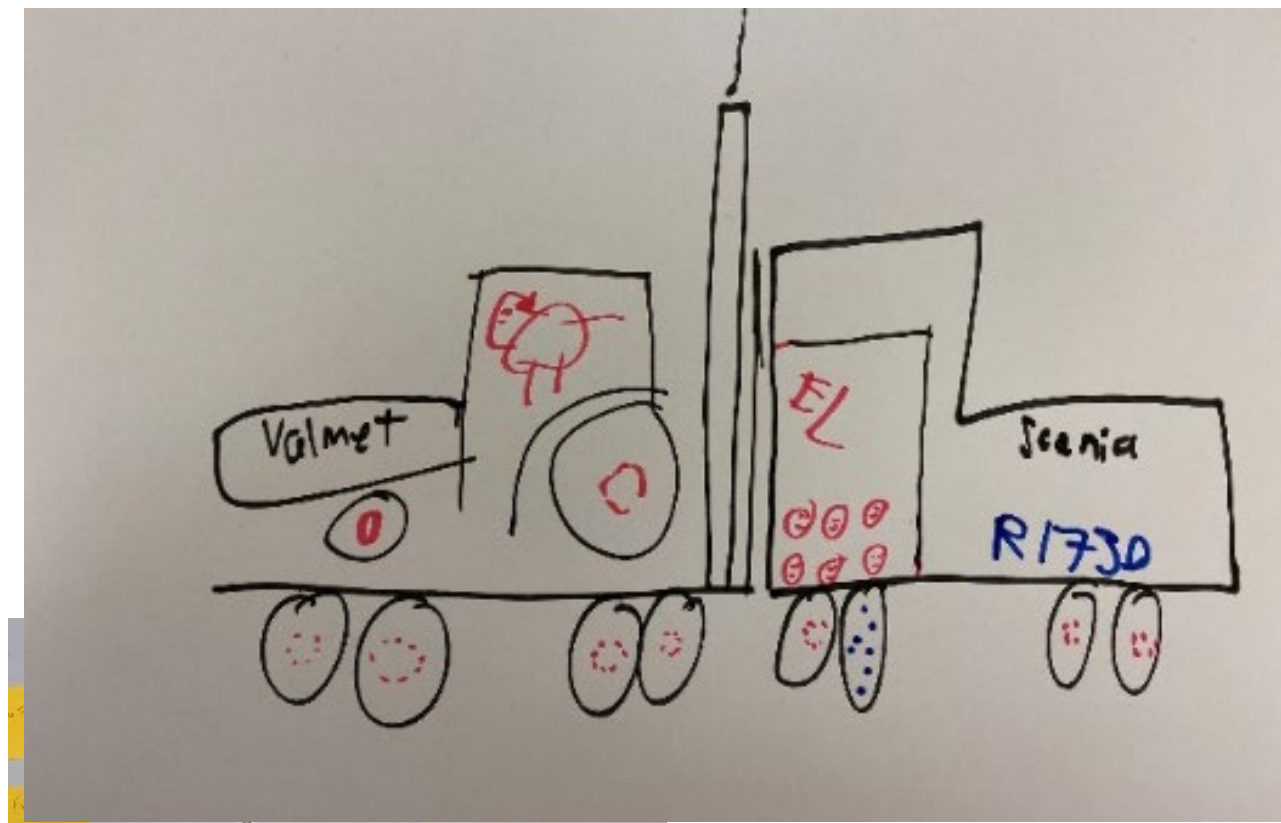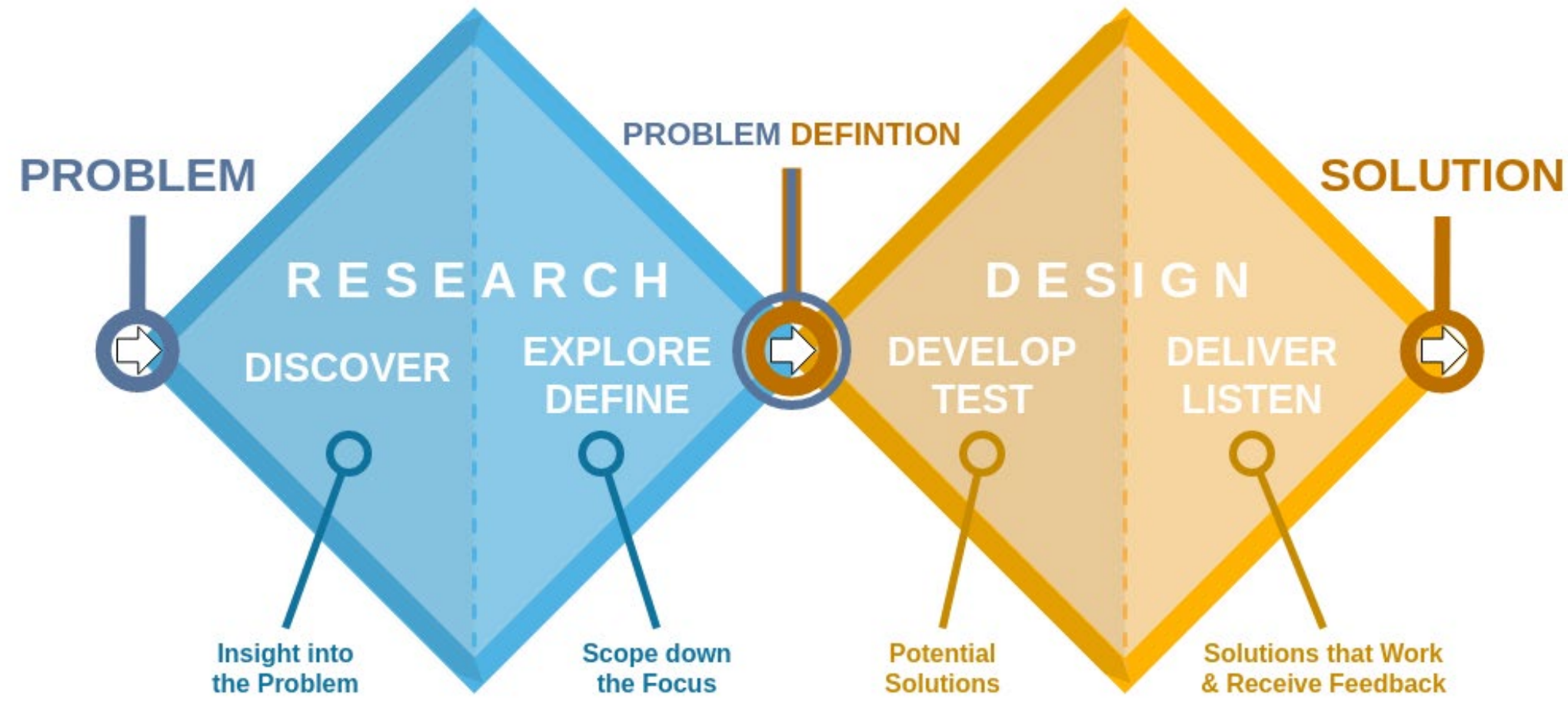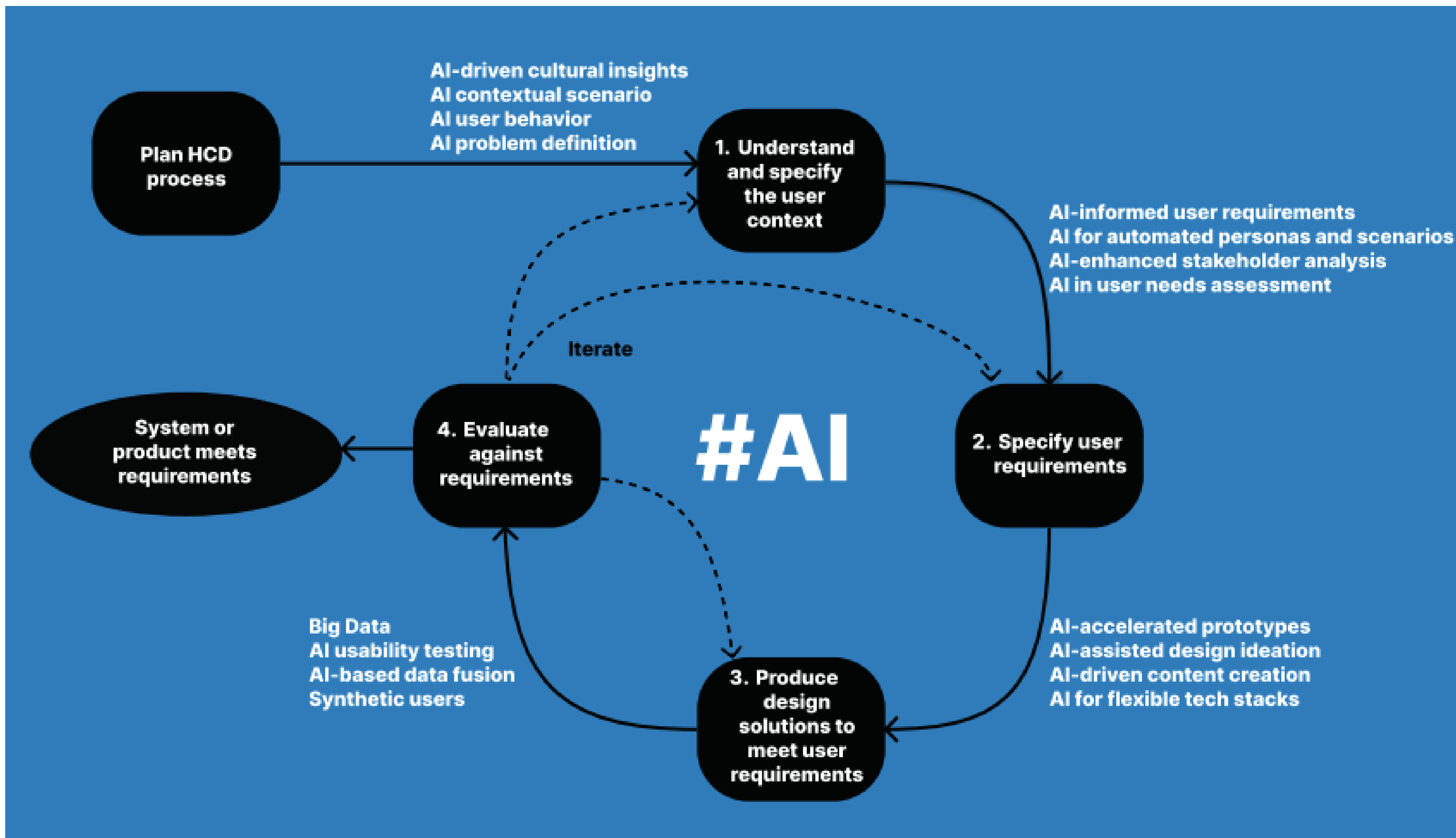
Figure 2. The human-centered design cycle according to ISO 9241-210:2019, with suggestions on how AI may be used in different steps.

Albrecht Schmidt, Passant Elagroudy, Fiona Draxler, Frauke Kreuter, and Robin Welsch. 2024. Simulating the Human in HCD with ChatGPT: Redesigning Interaction Design with AI. interactions 31, 1 (January - February 2024), 24-31

are designers important?

- How do the designers influence or might influence the society?

  [5 minutes]

BY 2050

100 million User Experience designers globally

CO2 emission down to ZERO

* www.nngroup.com/articles/100-years-ux

history of design

- **Based on the lecture by Nick Stevens, 7-03-2023**

designer / maker

A 17th century silver spoon by unidentified silversmith. Bukowskis auctioneers

product design

Sugar bowl, Elkington, electroplated nickel silver, designed Christopher Dresser 1885, private collection

industrial design

mass production

sony walkman

interaction design

iMac G3 1998

user centered design

service design

foodora app
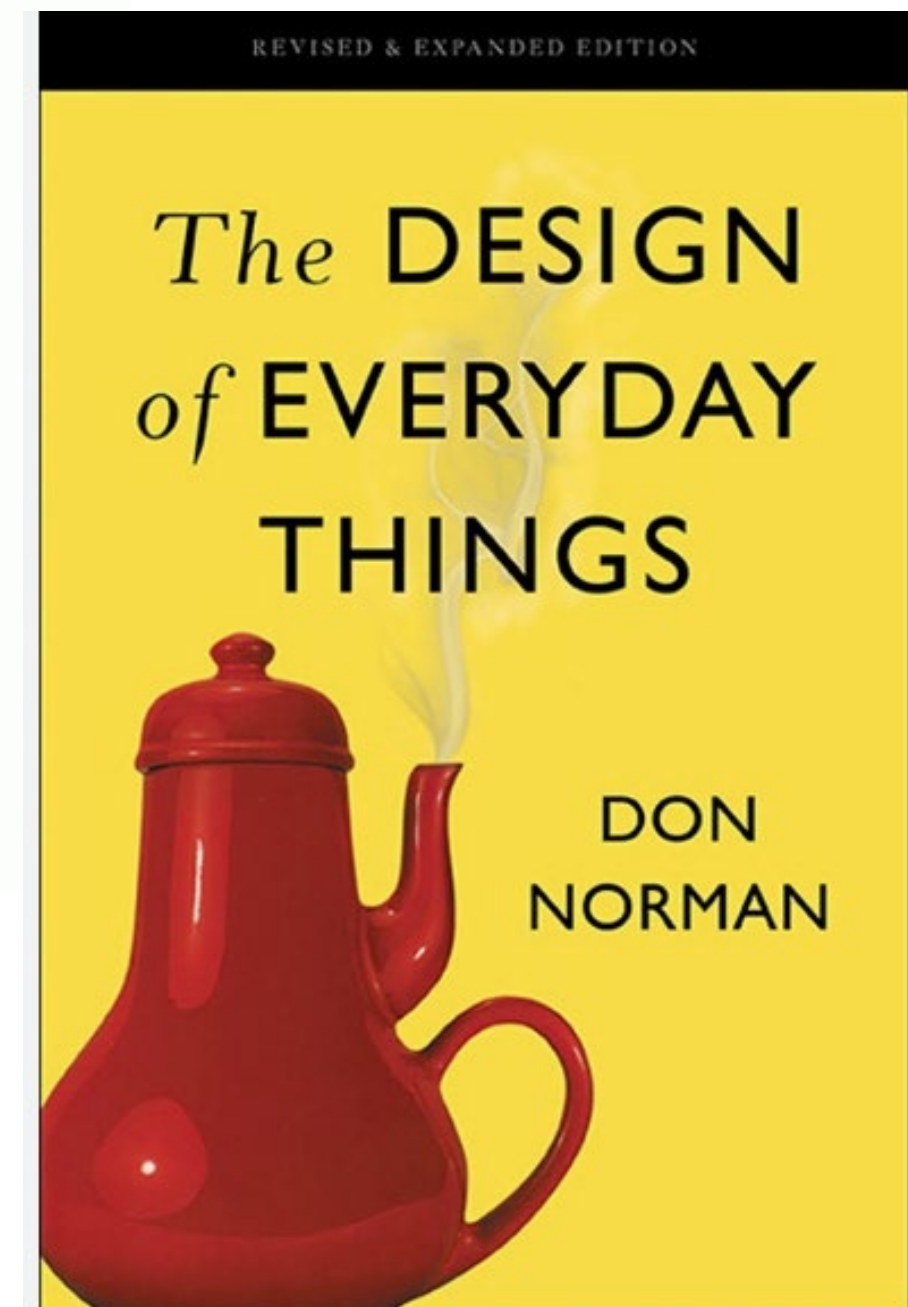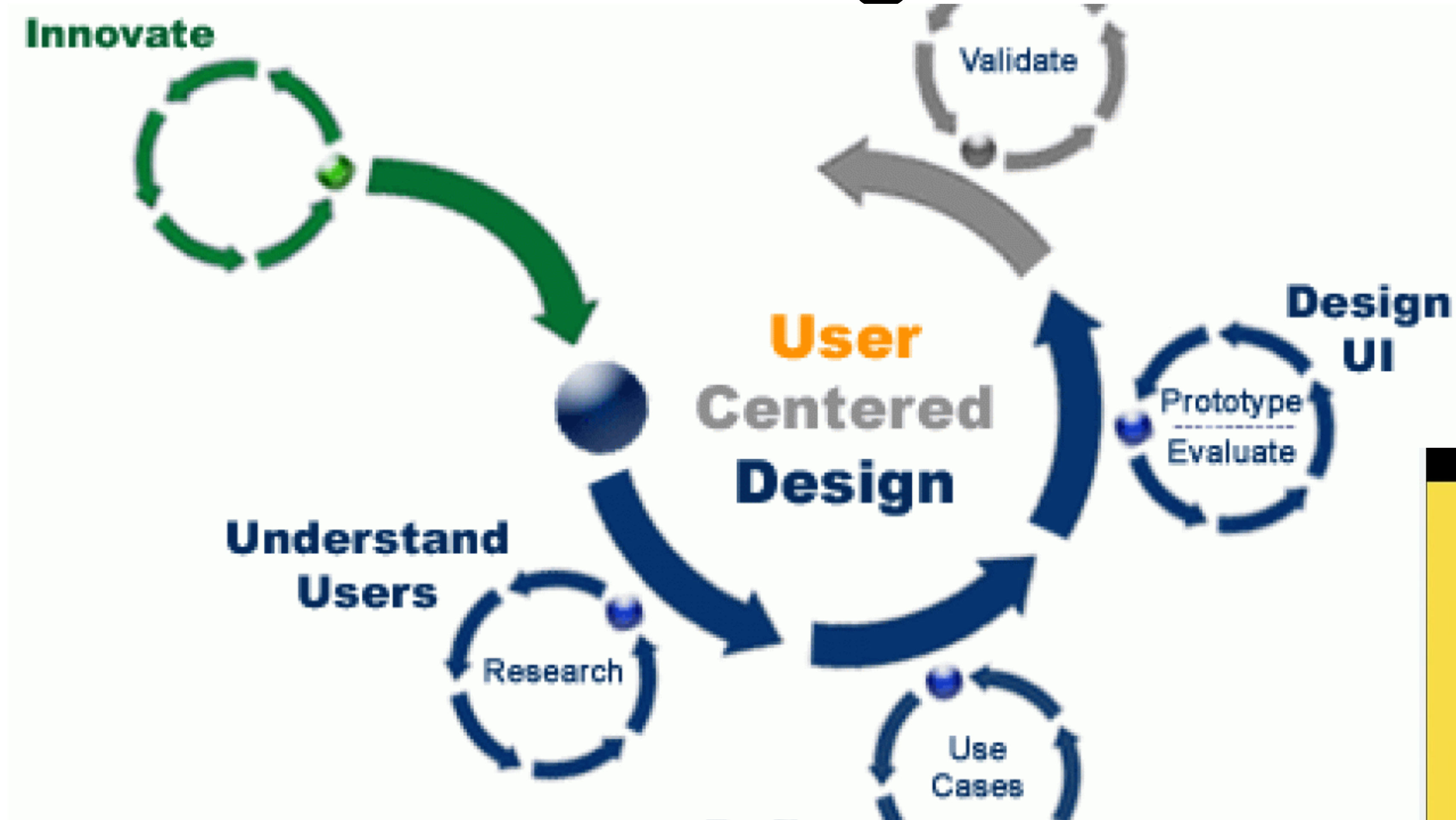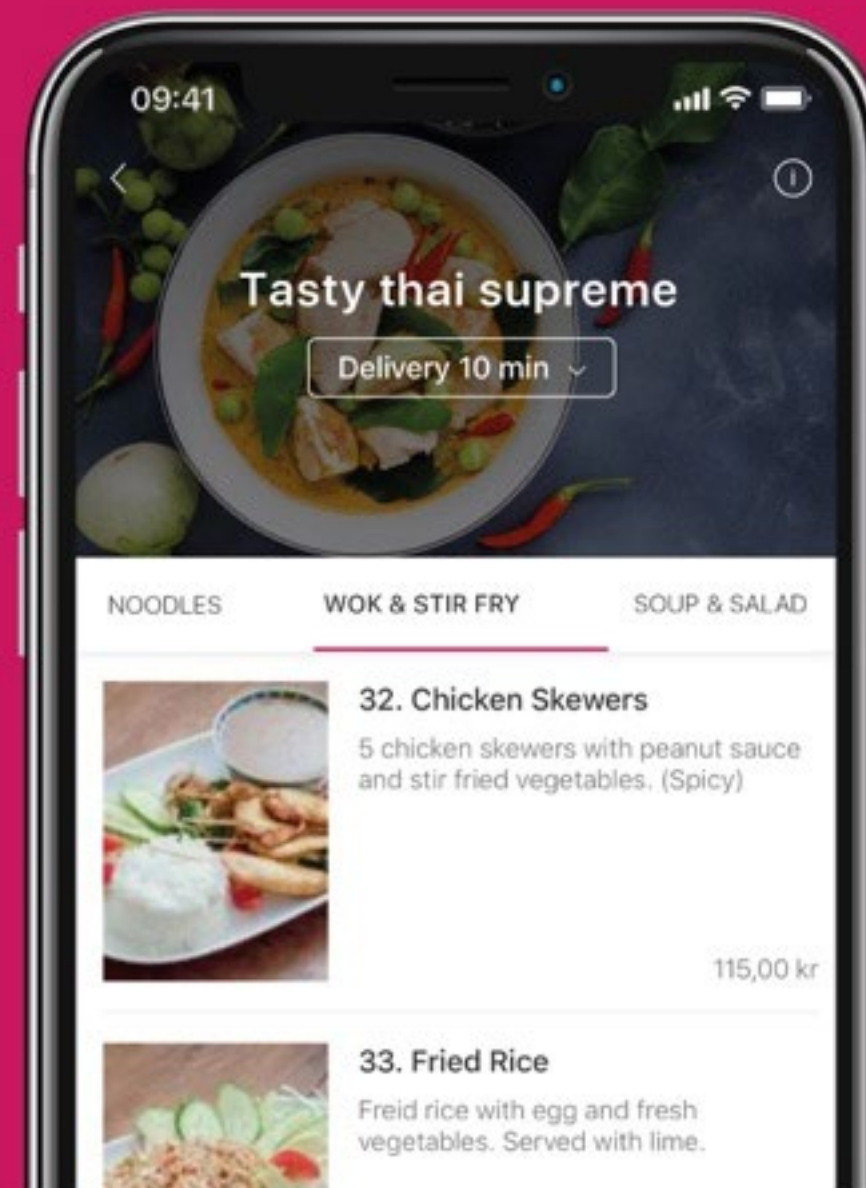
mass consumption of design

christy sugar bowl, Alessi

mass consumption of design

Tamagotchi

wide reaching impacts

foodora strike oslo

changing conditions in which design is practiced

- environmental issues

- societal issues

- technological shifts and acceleration

  - Digitilization of every sector

  - Huge impact/reach

  - Big Data

  - Surveillance Capitalism

  - AI

wicked problems

- 1) They do not have a definitive formulation.

- 2) They do not have a "stopping rule." In other words, these problems lack an inherent logic that signals when they are solved.

- 3) Their solutions are not true or false, only good or bad.

- 4) There is no way to test the solution to a wicked problem.

- 5) They cannot be studied through trial and error. Their solutions are irreversible so, as Rittel and Webber put it, "every trial counts."

- 6) There is no end to the number of solutions or approaches to a wicked problem.

- 7) All wicked problems are essentially unique.

- 8) Wicked problems can always be described as the symptom of other problems.

- 9) The way a wicked problem is described determines its possible solutions.

- 10) Planners, that is those who present solutions to these problems, have no right to be wrong. Unlike mathematicians, "planners are liable for the consequences of the solutions they generate; the effects can matter a great deal to the people who are touched by those actions.

Dilemmas in a General Theory of Planning Author(s): Horst W. J. Rittel and Melvin M. Webber Source: Policy Sciences, Vol. 4, No. 2 (Jun., 1973), pp. 155-169, Springer

There is design as it is practiced as a service industry within capitalist systems of distributing goods for ownership, and **there is design at its best, as a potential source of change in how we live and work, and even what we live and work for**.

tonkinwise

user centered design

beyond user centered

should causing someone to delight in their own exploitation be called good design?

erica hall mule design

impact

implications for design
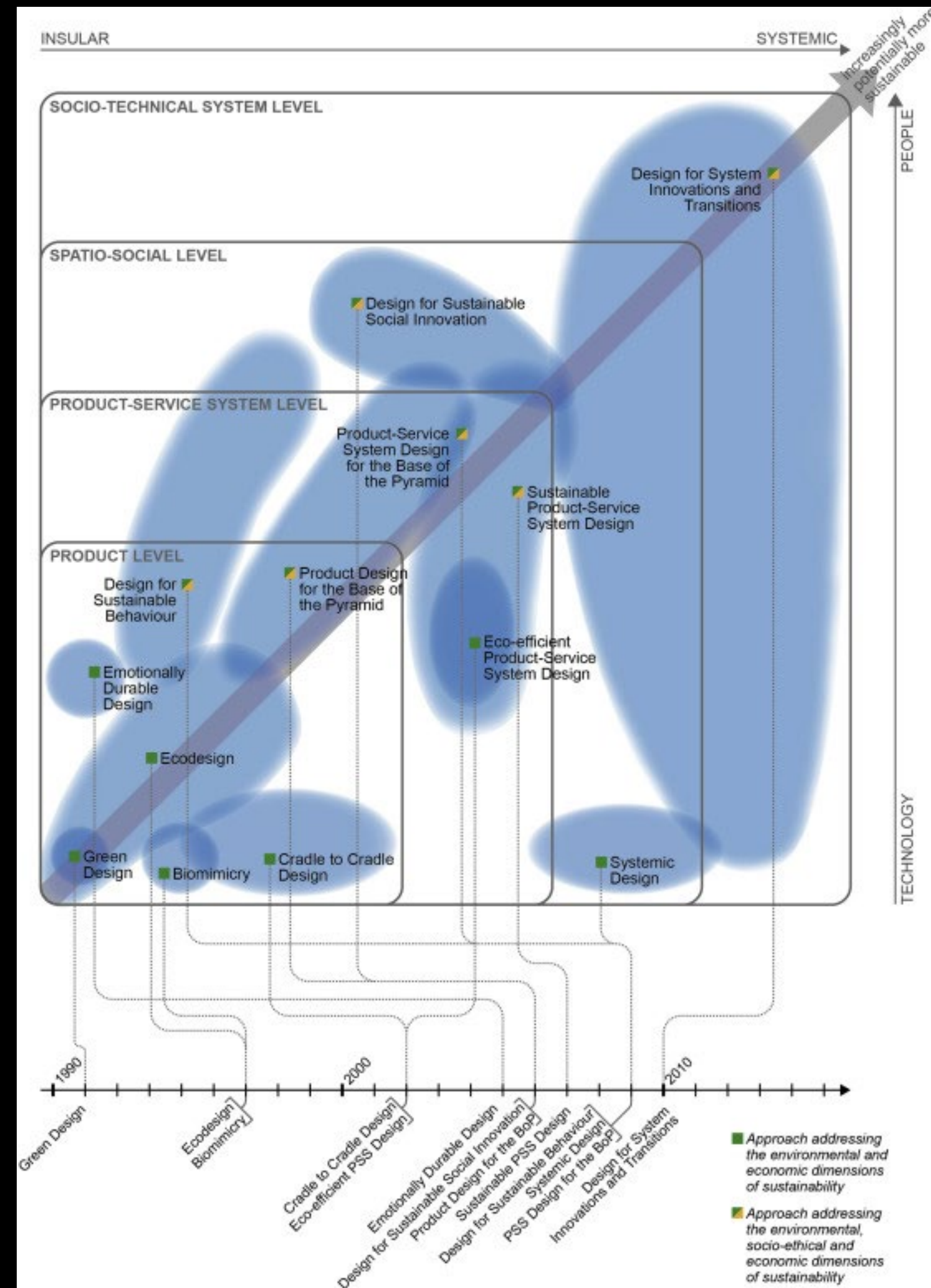
increasing scale design

Where is your project?

- Where is your project at this scale?
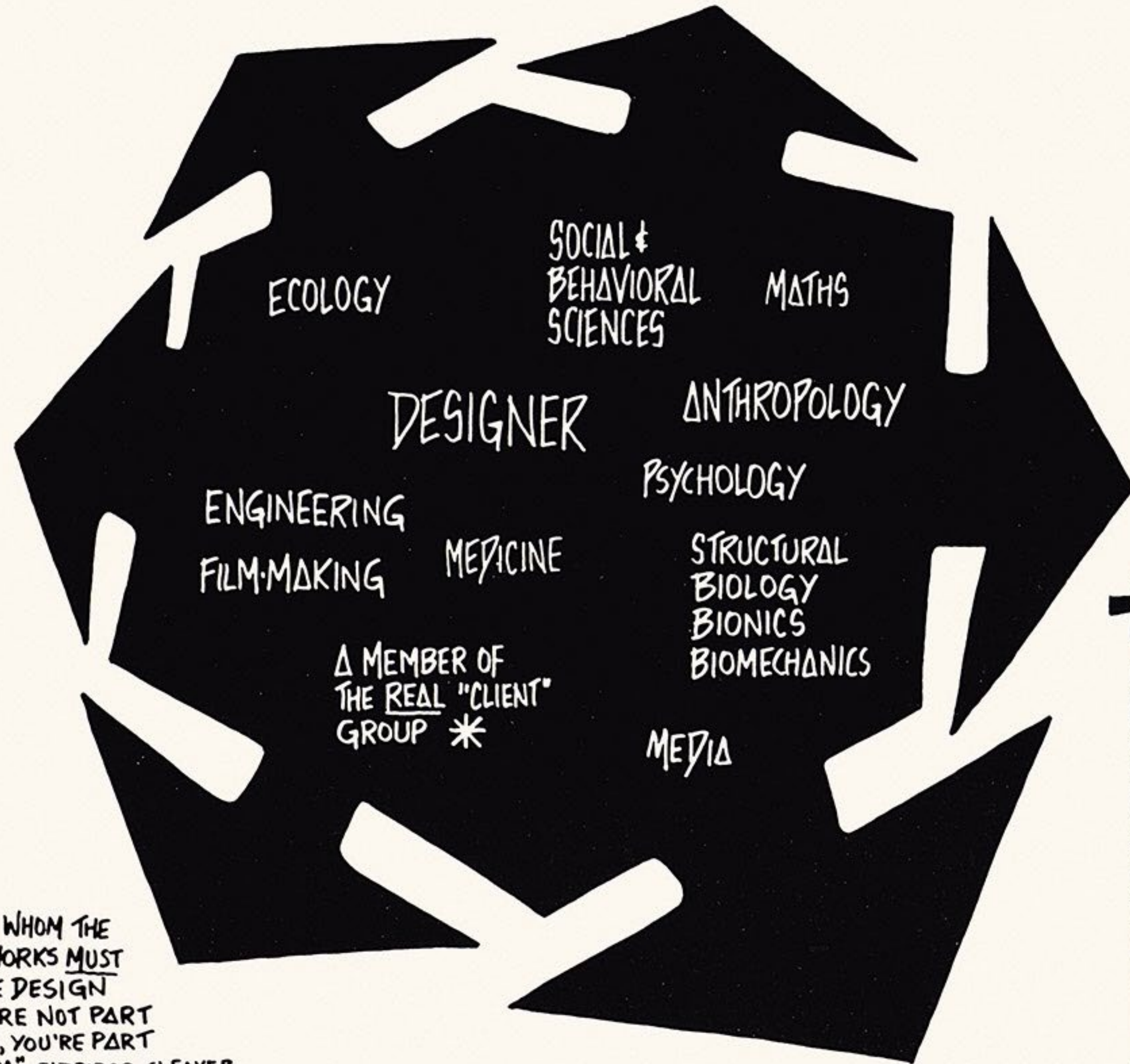
  [5 minutes]

increasing scale design

A transition designer discusses, conceives and plans, for example, a compost heap at the household, a citizen assembly at the city or ecological education at the regional levels, he/she is a multi faceted, place based activist

Gazíulusoy & Erdogan

The minimal Design Team:

SOCIAL & BEHAVIORAL SCIENCES

ECOLOGY

MATHS

DESIGNER

ANTHROPOLOGY

PSYCHOLOGY

ENGINEERING

FILM·MAKING

MEDICINE

STRUCTURAL BIOLOGY BIONICS BIOMECHANICS

A MEMBER OF THE REAL "CLIENT" GROUP *

MEDIA

+MAYBE:
COMPUTER SCIENCE
GAME THEORY
DEMOGRAPHY
ETHOLOGY
STATISTICS
ECONOMICS
POLITICS
LAW
CLIMATOLOGY
ERGONOMICS
AND MUCH ELSE....

* THE PEOPLE FOR WHOM THE DESIGN TEAM WORKS MUST BE PART OF THE DESIGN TEAM: "IF YOU'RE NOT PART OF THE ANSWER, YOU'RE PART OF THE PROBLEM". ELDRIDGE CLEAVER

Design, if it is to be ecologically responsible and socially responsive, must be revolutionary and radical

victor papanek

Design for the real world 1971

implications for design

•these old ways of design ++

 decolonizing design

 Design justice network

 Liberatory Design

•acknowledging multiple outcomes /pluriverse / multiple worlds

•design activism

•systems oriented design, systemic design, SOD

•participatory design

•biomimicry

•design for the circular economy

•everyone is a designer

•designer as facilitator

•projects/tools rather than products/services

•Less focus on novelty and innovation and more focus on appropriateness

•Amplifying and making use of existing initiatives

can designers contribute to addressing societal challanges?
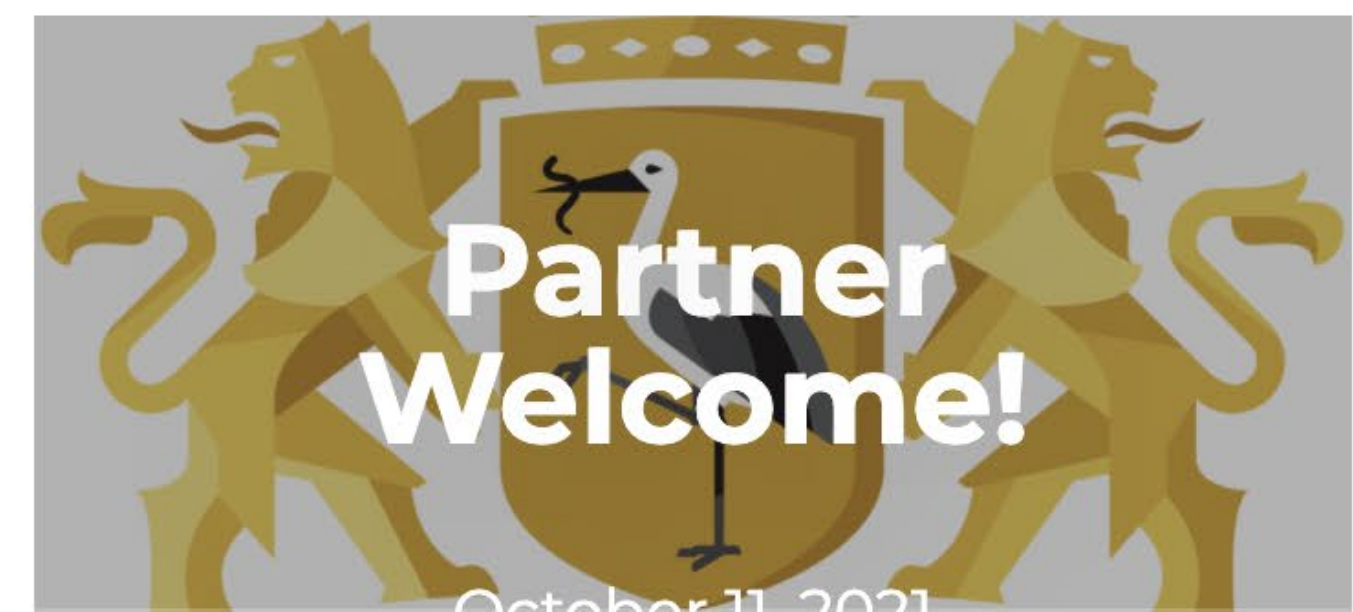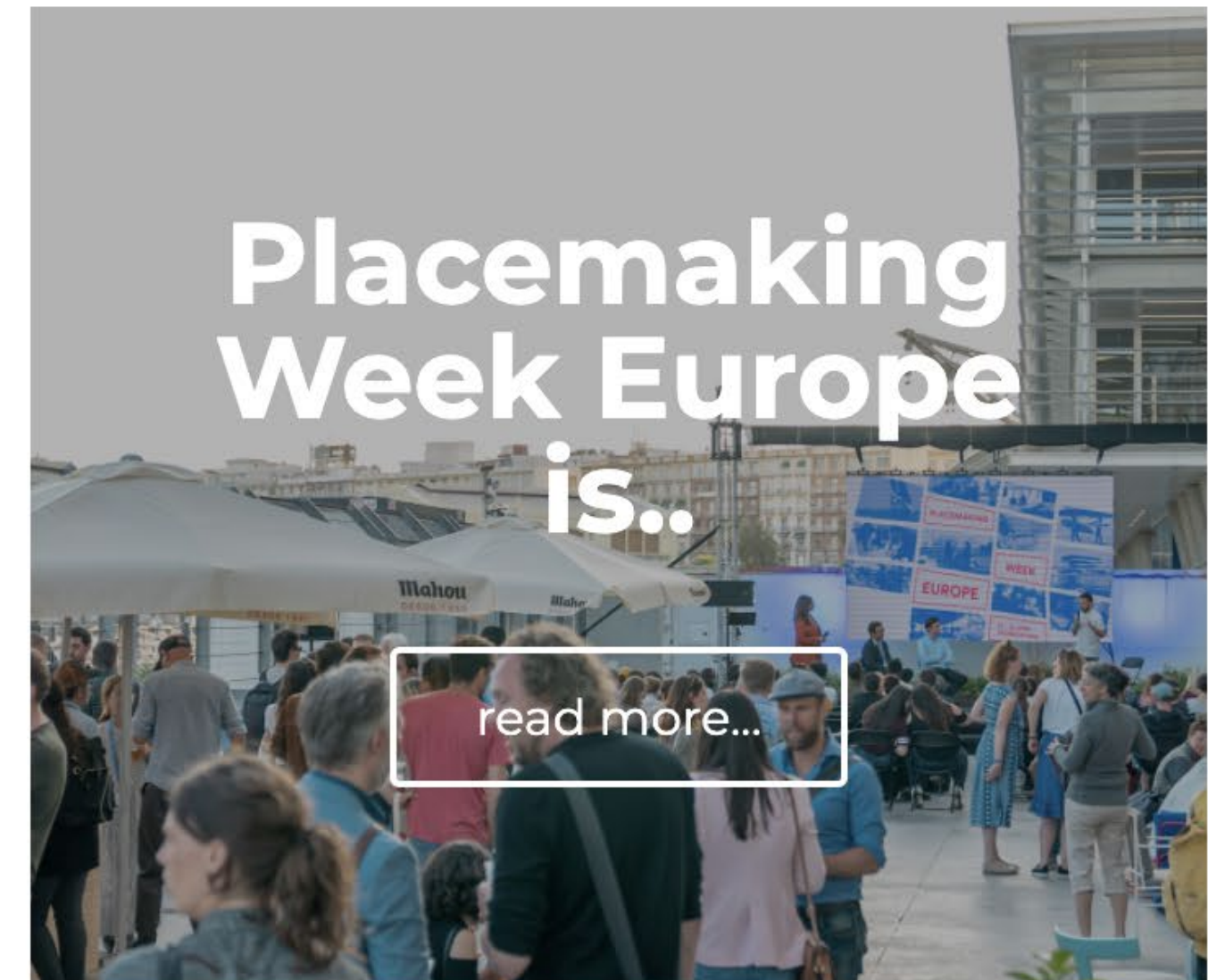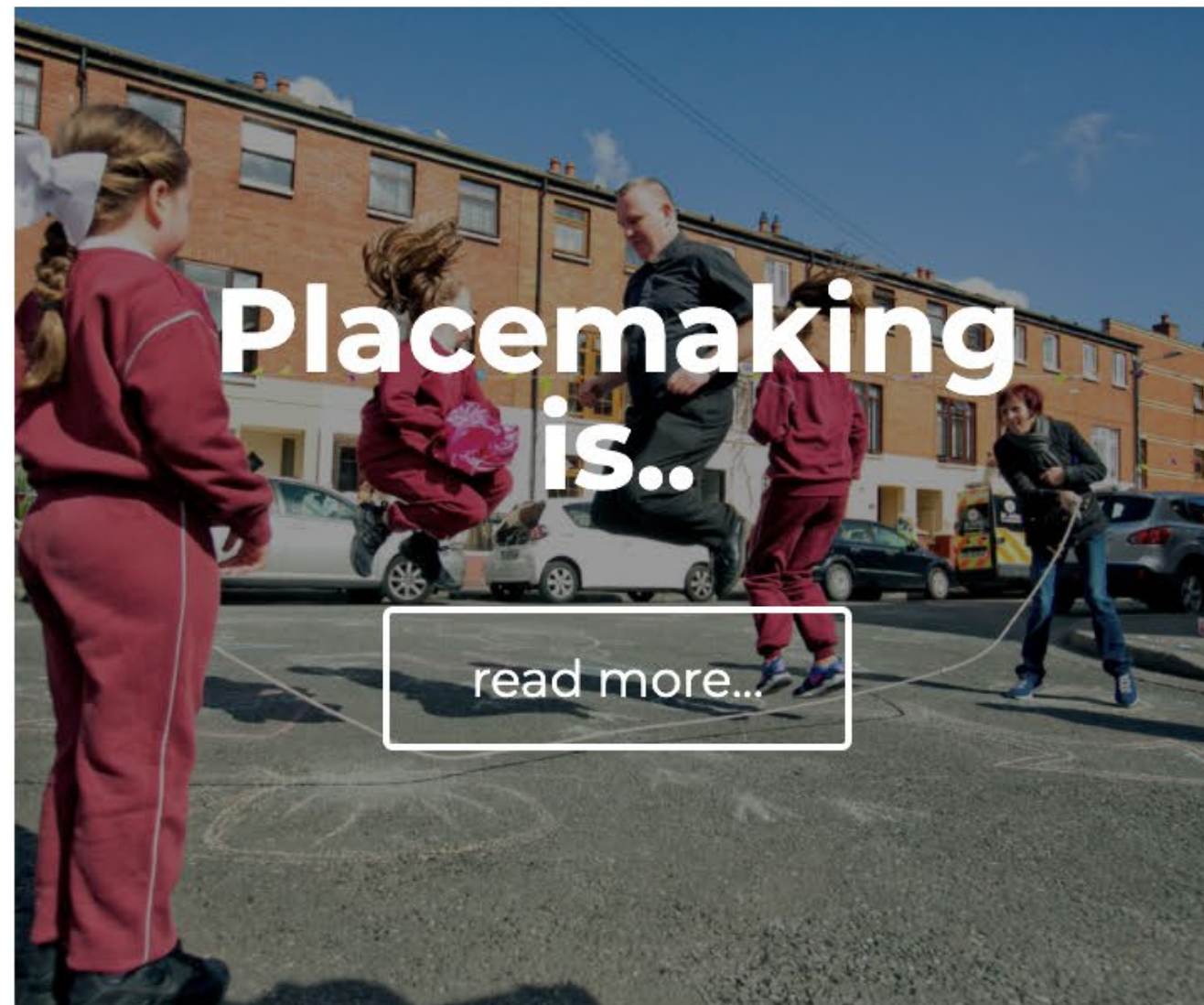
- Find some examples

[5 minutes]

examples

Of new ways of designing

Welcome to Placemaking Europe

We are delighted to welcome you to our European web-platform for placemakers and placemaking tools. We strongly believe that our members, publications, events and tools will help you through your placemaking journey.

We are a network of thousands of placemakers primarily based and working in Europe. We are the proud network behind **Placemaking Week Europe**. We connect to share our experiences, develop tools, champion each other, and work together to make great places. We are so excited to **welcome you to the community.**

Placemaking is..
read more…

Placemaking Europe is…
read more…

Placemaking Week Europe is..
read more…

Placemaking Week Europe 2022…!
The City of Pontevedra

After.Covid.City is…

Partner Welcome!
October 11, 2021

Find local and sustainable fabricators, material suppliers and workshop facilities

Search for manufacturers, materials, processes or tools   Go

How does it work?

ALL PROJECTS   BUILDING POWER   CO-OPERATIVE CHILDCARE   COMMUNITY BANKS   COMMUNITY BUSINESS

COMMUNITY ENERGY   COMMUNITY OWNERSHIP   COMMUNITY WEALTH   EMPLOYEE OWNERSHIP   GREEN TRANSITION

MUNICIPAL OWNERSHIP   SHORTER WORKING WEEK   SOCAL/COMMUNITY HOUSING   WORKER CO-OPERATIVES

COMMUNITY ENERGY

Co-operative and community-owned energy companies in all corners of the country are helping to tackle fuel poverty by generating clean, renewable energy locally.

Eckington Against Fracking

DERBYSHIRE

Local residents battle multinational chemicals giant Ineos to prevent fracking.

Energise Barnsley

BARNSLEY

Co-op is the largest local authority and community solar energy and battery storage project in the UK.


Hackney Energy

HACKNEY

Hackney Energy works with residents to build community-owned solar power.

DEMOCRACY POWERED BY PARTICIPATION

We believe in people! In the innovation power that resides in strong and active communities. We collaborate with people and organisations, who wish to play an active role in shaping our society. We activate and invite more voices, perspectives and resources in the decision that will shape our future.
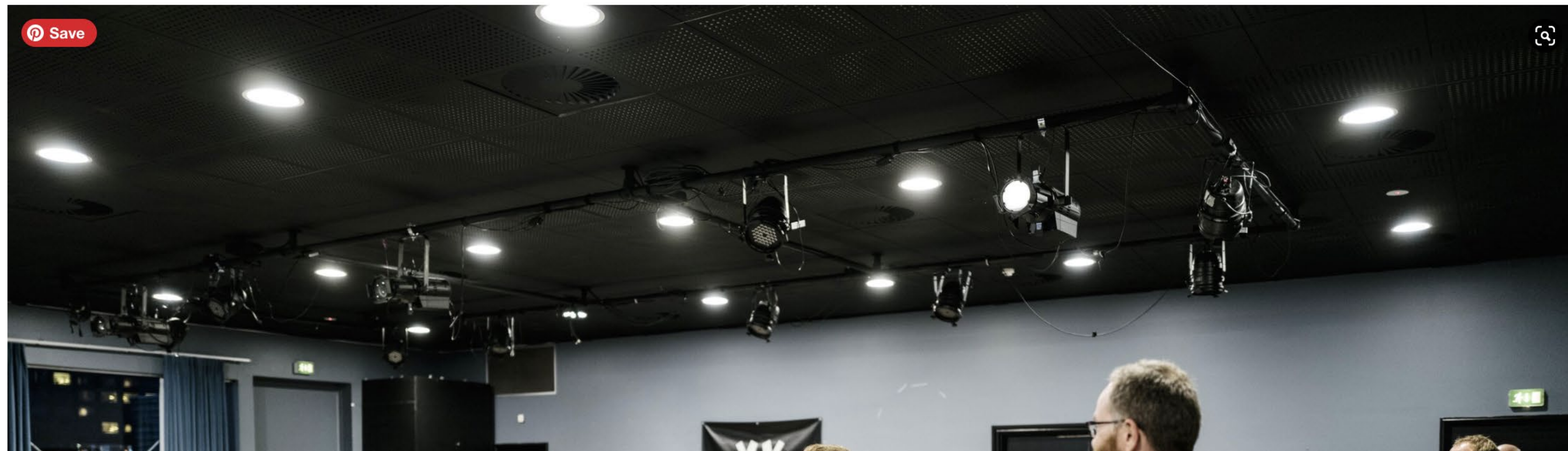
Trenger din bedrift ny vekst?

Vår ekspertise er strategisk innovasjon med bærekraft som utgangspunkt.

Vi tror at det å løse samfunnets viktigste utfordringer gir dette århundrets største forretningsmuligheter.

Kontakt oss

DRIFT sees the need & opportunities for fundamental changes towards sustainable futures. We have the insight, drive and experience to support **people,** cities, **sectors** and organisations to take action.

We develop and share **transformative knowledge,** apply new methods in practice, provide academic and professional **training** and engage in public **debate.** This way society benefits directly from our latest insights, and we continually advance our theories based on real challenges.

Together we accelerate transitions towards more just, sustainable and resilient **societies.**

more
about us →

upcoming
events →

DRIFT
news →

An open and inclusive approach to healthcare

This is the platform where care receivers, healthcare professionals and makers join forces to co-create Careables: tailor made solutions designed to better suit patients' needs.

SEE HOW IT WORKS

the end

- Questions?