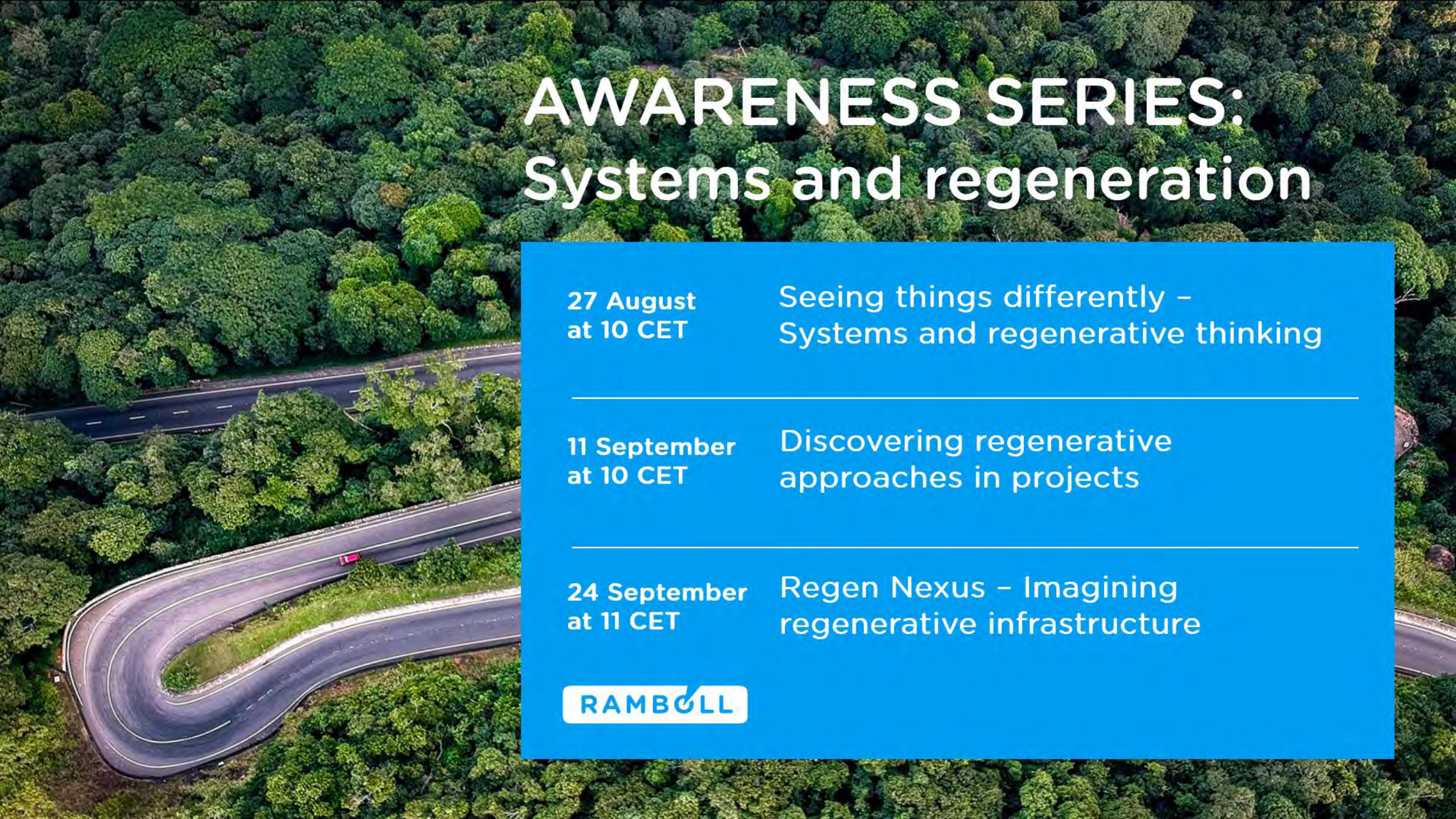




AWARENESS SERIES: Systems and regeneration

27 August
at 10 CET

Seeing things differently –
Systems and regenerative thinking

11 September
at 10 CET

Discovering regenerative
approaches in projects

24 September
at 11 CET

Regen Nexus – Imagining
regenerative infrastructure

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AWARENESS SERIES 2025: Systems and regeneration

WEBINAR 2: Thu, Sep 11 at 10 CET

Discovering Regenerative approaches in Projects



Hosted by:

Elina Kalliala,
Global Sustainability Director,
Ramboll Transport

TSK70 Highway - Identifying multifunctions



Julia Thörne,
Landscape
Architect,
Ramboll Sweden



Kirsten Syvertsen,
Head of Clients and
Sales,
Ramboll Norway

Development plan 2040 for Central City of Oulu



Inna Ampuja,
Lead of Systems
Change,
Ramboll Finland



Mika Uolamo,
City Planning
Architect,
City of Oulu

Design as Water - New thinking for projects



Trine Stausgaard Munk,
Global Sustainability
Director,
Ramboll Water



Johanne Bro Lindblad,
Regenerative leadership
MSc in Anthropology,
University of
Copenhagen

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AWARENESS SERIES 2025: Systems and regeneration

CASE 1

TSK70 Highway

– Identifying multifunctions

With:



Julia Thörne,
Landscape
Architect,
Ramboll Sweden



Kirsten Syvertsen,
Head of Clients
and Sales,
Ramboll Norway

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Multifunctions

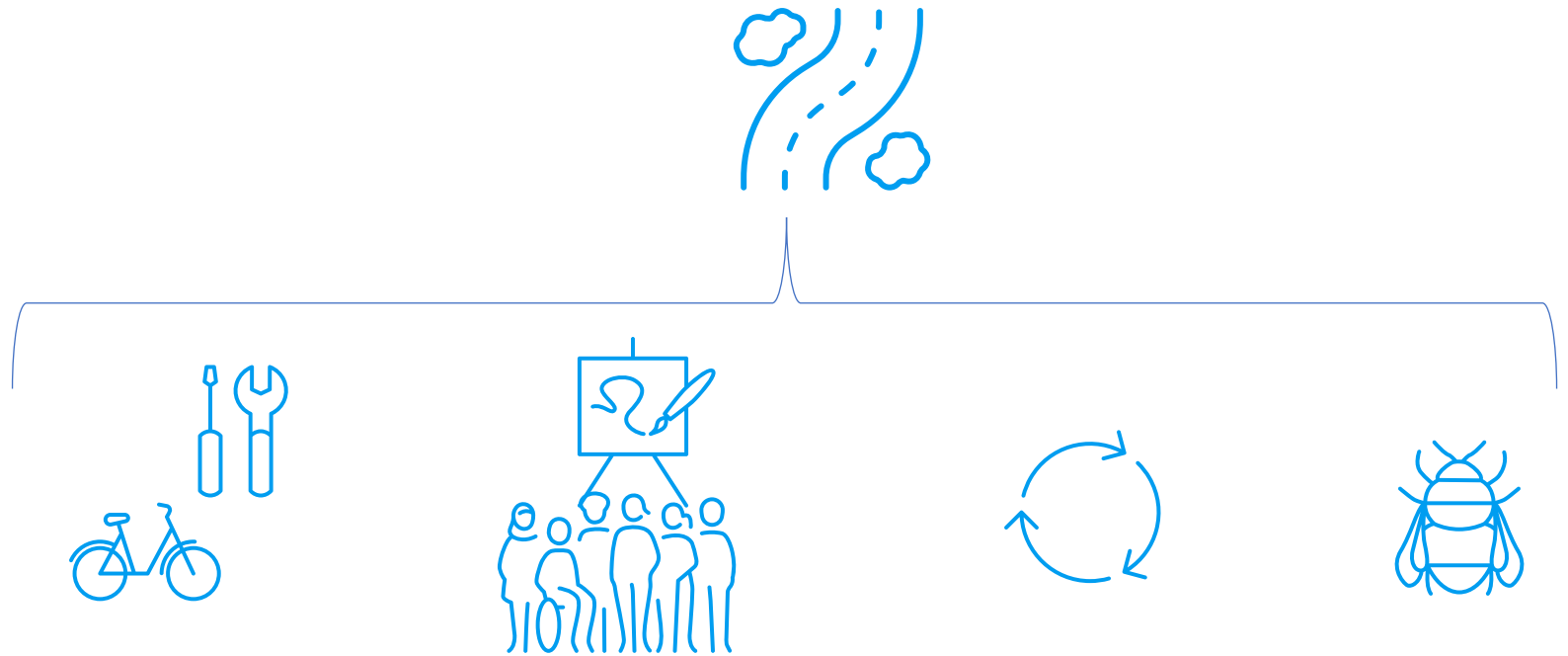
An example of a way to broaden your thinking

2025-09-11

Julia Thörne



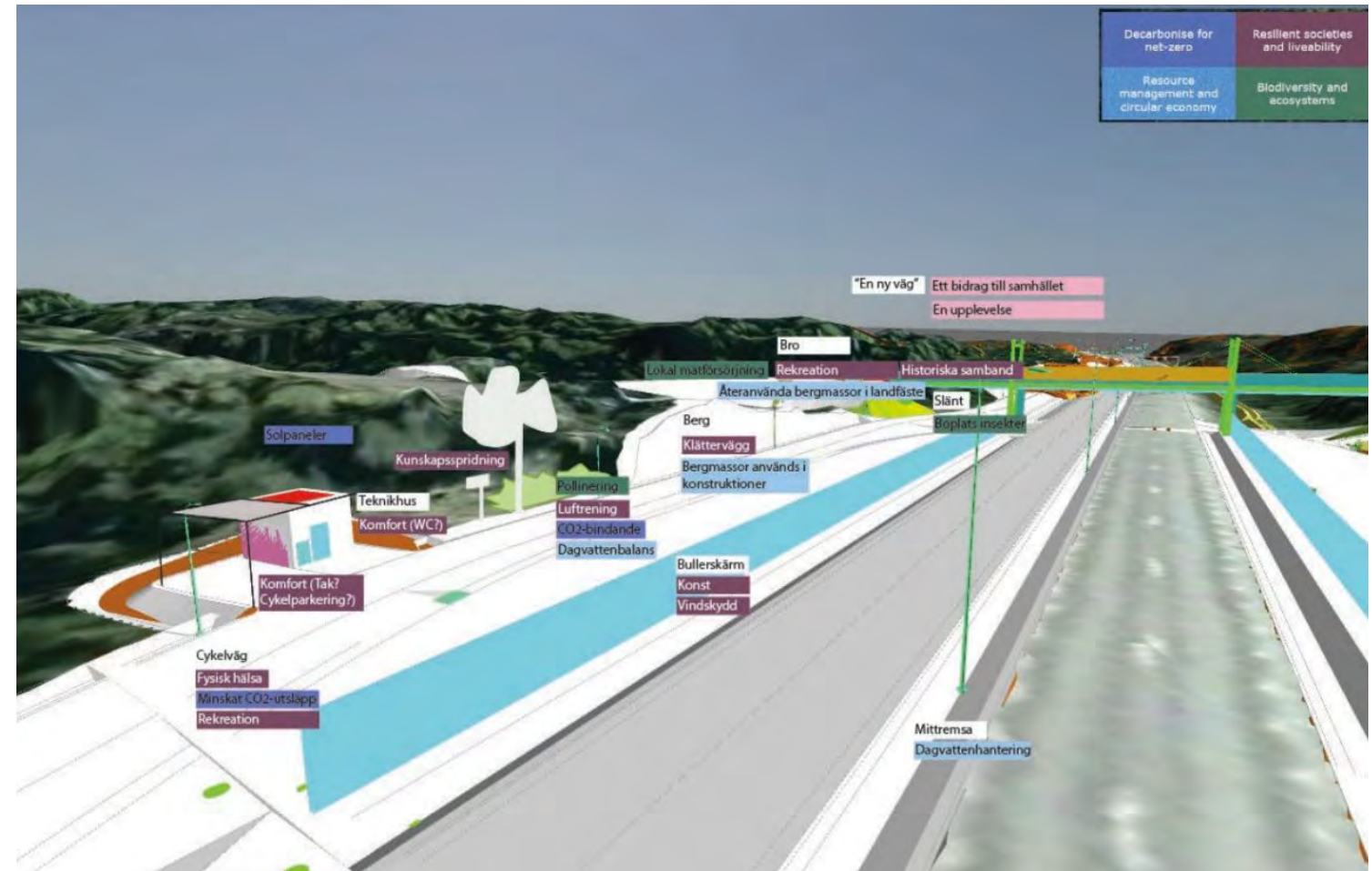
- Multifunctionality is about exploring how we can **add functionality** to everything that is designed, produced and built.



How can a road environment be impactful?

Everything that is built needs to meet **multiple needs**, that is resource efficiency.

The concept "Multifunctions" – is a workshop method that promotes and **highlight the good by making more out of it**.



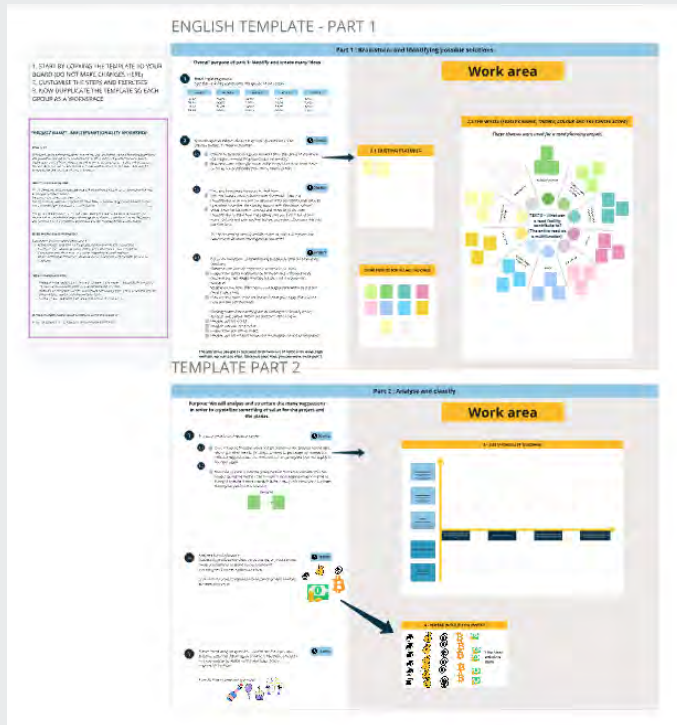
Decarbonise

Resilient society

Resource management

Biodiversity

Workshop



- Digital, 2 hrs
- 15 participants, 5 groups
- Multiple disciplines: (architecture, social sustainability, environment, landscape, climate, buildings, drainage, innovation, electrical engineering, utilities coordination)
- The workshop was interdisciplinary and involved the client too

Step 1: Ideation



- Matching exercise

Match a theme with an existing function. For example, “Energy + Bridge”

What ideas arise?



- Role play

Imagine that...

- You will live in the nearby area in the future.
- You are a child walking home from school
- You are a butterfly



What a project could contribute with;

Environments for animals

- Places for birds
- Improved passages
- Protection measures for animals
- Fostering biodiversity

Resource efficiency

- Efficient massmanagement
- Dismountable parts (e.g. bridges) that can be reused
- Use of existing materials (e.g. crushed stone)
- Possibility of coordination and exchange of resources

Vegetation that:

- Quieter road
- Windbreakers
- Adaptation to autonomous vehicles
- Noise protection
- Heat protection
- Air purification
- Directing water to slopes and planting areas
- Receiving water

Built elements with more functions:

- Noise barrier and guardrail combined
- Commuter parking + electric car charging
- Privacy protection as information screens
- Comfort at service kiosks
- The road as a silencer by itself

Data as proof of value:

- Provides xx energy through xx surface solar panels
- Provides xx cyclists with air, comfort, exercise

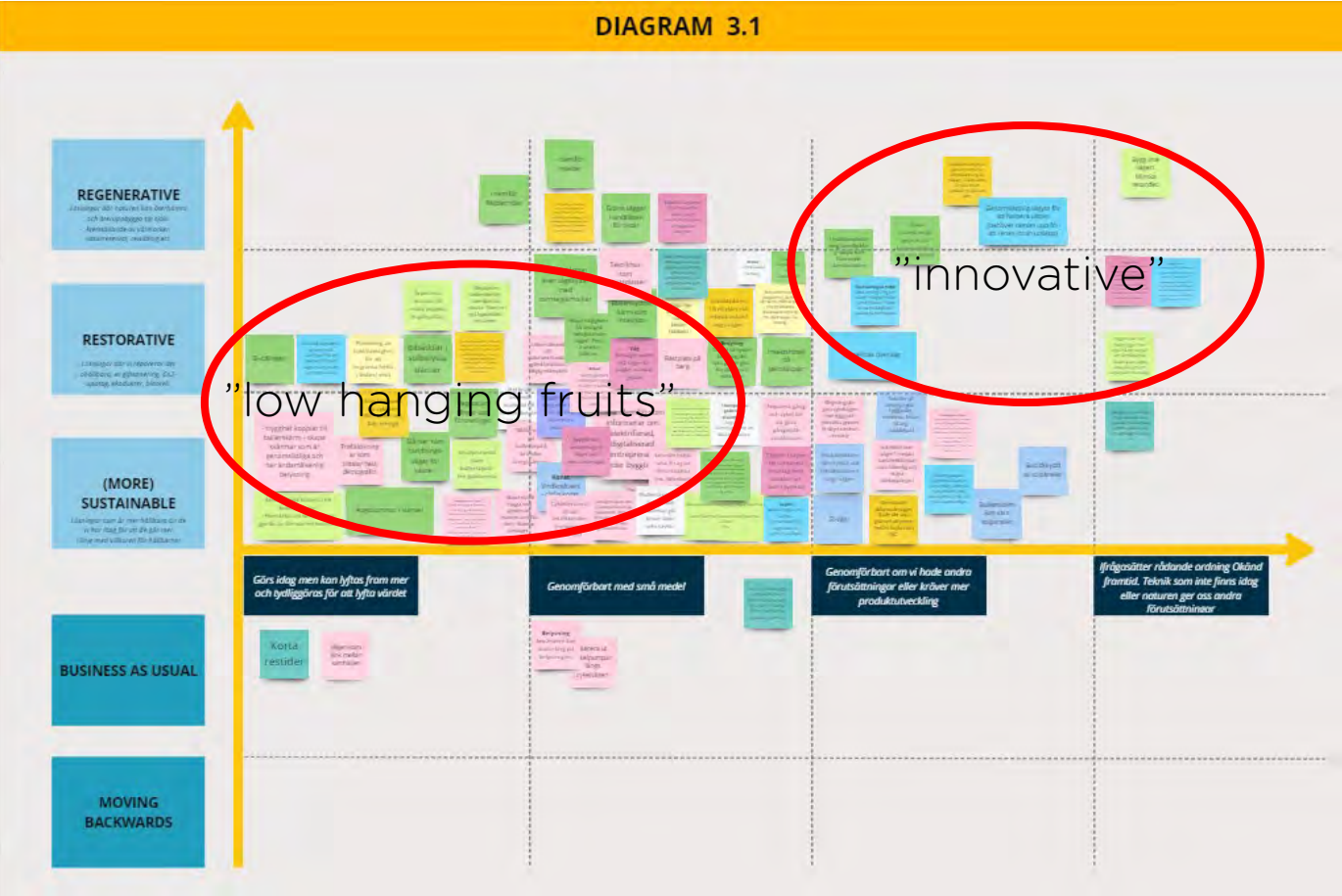
Human benefit

- Opportunities for co-creative art
- Places for bicycle services
- Space for information and education
- Place for experiences
- The route as a recreational environment
- Roads and bridges that connect (communities, animals, people)
- Safety-enhancing environments



Step 2: Organize

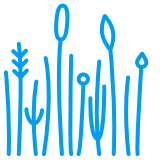
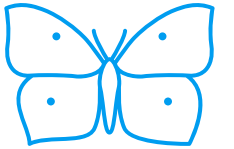
Sustainable impact and feasibility



What is the
project
about?

How could we talk about our projects?

- A project to build a 45 m wide wildlife corridor so that animals and people can move around safely
- A project to create 23 000 m² of meadowland, creating more habitat for vital pollinators
- A project with “Bicycle stations” instead of Petrol Stations - helping to raise the profile of cycling as a mode of transport even for commuting distances.



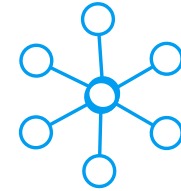
(And yes, the project also builds a road that enables safer traffic between regional city centers)



(simple) Key words to shift focus to wholeness and enduring values

Where to start?

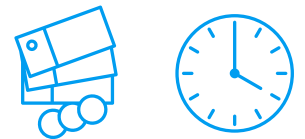
- Can you name 2-3 more functions?



- What do you want to remember when you retire?



- Can you allocate a few undefined hours?



Thank you

Curious to learn more? Don't hesitate to reach out

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peter.simonsson@ramboll.com



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AWARENESS SERIES 2025: Systems and regeneration

CASE 2

Development plan 2040 for Central City of Oulu

– From degenerative to
regenerative land-use planning

With:



Inna Ampuja,
Lead of Systems
Change,
Ramboll Finland



Mika Uolamo,
City Planning
Architect,
City of Oulu

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Sustainable change.

Development Plan 2040 for Central City of Oulu

Inna Ampuja

Project manager

Systems Change Lead

Ramboll Finland

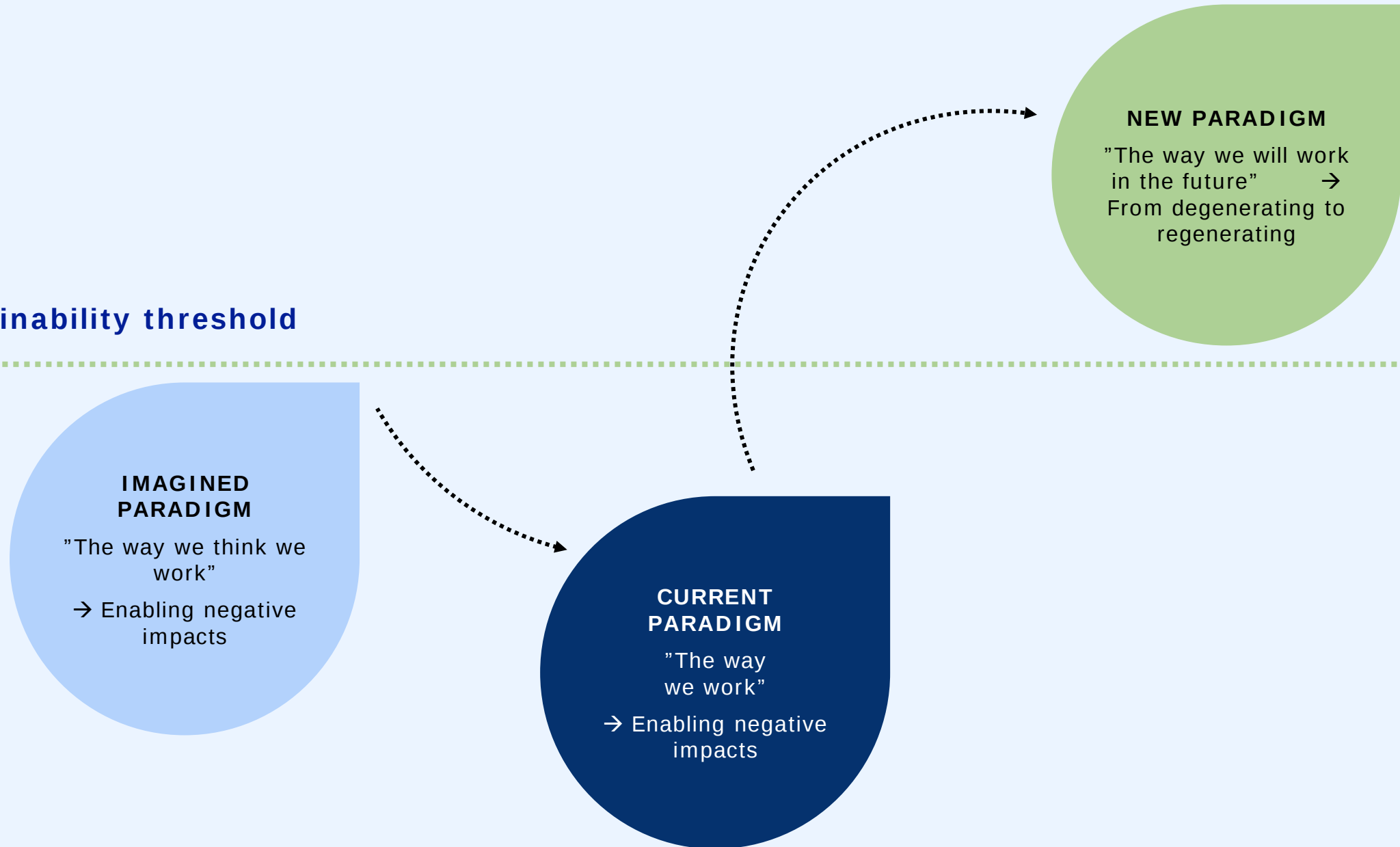


“Essential perspectives include sustainability goals, the need for systemic change in communities and land use, and the transition from urban planning and activities that destroy the environment to urban planning and operations that extensively renew and regenerate the environment.”

- Client, a quote from the tender inquiry

Current, imagined and new planning paradigm

Sustainability threshold



	IMAGINED PARADIGM <i>"The way we think we work"</i>	CURRENT PARADIGM <i>"The way we work"</i>	NEW PARADIGM <i>"The way we will work in the future"</i>
Mission	Driven by economic, ecological, and social sustainability, with a primary focus on current needs.	Driven by linear growth, human well-being through economic growth and technological development.	Driven by planetary well-being, addressing existential threats (polycrises), transformative framework, meaningfulness, and internalizing continuous change.
Mindset	Communicative	Rational, functional	Transformative, posthumanist, co-creative
Attitude	Relative; based on a broad knowledge and experience base (new modernism)	Absolute; established practices and methods that provide reliable information (functionalism)	Emergent; based on creativity and innovation, acknowledging uncertainty
Planning Focus	Visible and identified invisible aspects	Visible aspects	Visible, invisible, and unknown aspects (recognizing significance)
Time Horizon	Medium-term (life cycle)	Short-term (target years, quick wins)	Long-term (generational thinking, "7 generations ahead")
Key Stakeholders	Multiple stakeholders, citizens, politicians, businesses	Planning experts and other sectors	All beings
Collaboration Stakeholders	Co-operation	Participation	Collaboration
Process	Iterative	Linear	Systemic, networked
Perspectives	"Sector based planning": Land Use, Housing, Transport, Services, Economic Activities Sustainable development (ecological, social, economic) UN Sustainable Development Goals (SDGs)	"Sector based planning": Land Use, Housing, Transport, (Services, Economic Activities) Nature conservation, greenwashing	Regenerative development, well-being of living (socio-ecological) systems, planetary balance

From understanding the vital boundaries to creating concrete actions to different habitats and phenomenon

SUSTAINABILITY BOUNDARIES

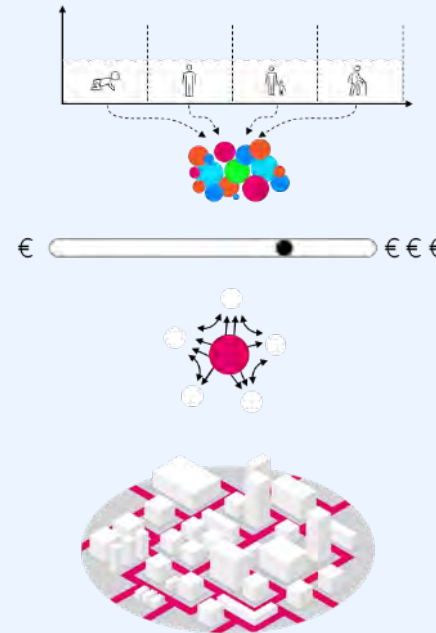


THINGS WE ARE STRIVING FOR

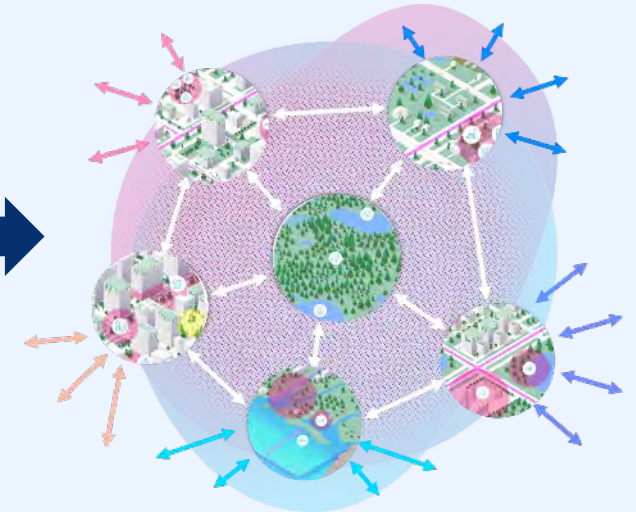
- We develop the urban structure by densifying and **relying on the existing building stock**
- We promote the **reduction of emissions** through urban structure, especially in transportation
- We strengthen the **identity and attractiveness of old residential areas**
- We create more **meaningful habitats** for a more diverse group of Oulu residents – **including all species**
- We are **rebuilding the city as nature**



SCENARIOS



LIVING ENVIRONMENTS, GOALS AND REGULATIONS FOR MASTER PLANNING



Liveability for all by rebalancing – more space for nature and life

AWARENESS SERIES 2025: Systems and regeneration

CASE 3

Design as Water

– New thinking for projects

With:



Trine Stausgaard Munk,
Global Sustainability
Director,
Ramboll Water



Johanne Bro Lindblad,
Regenerative leadership
MSc in Anthropology,
University of Copenhagen

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Design as water

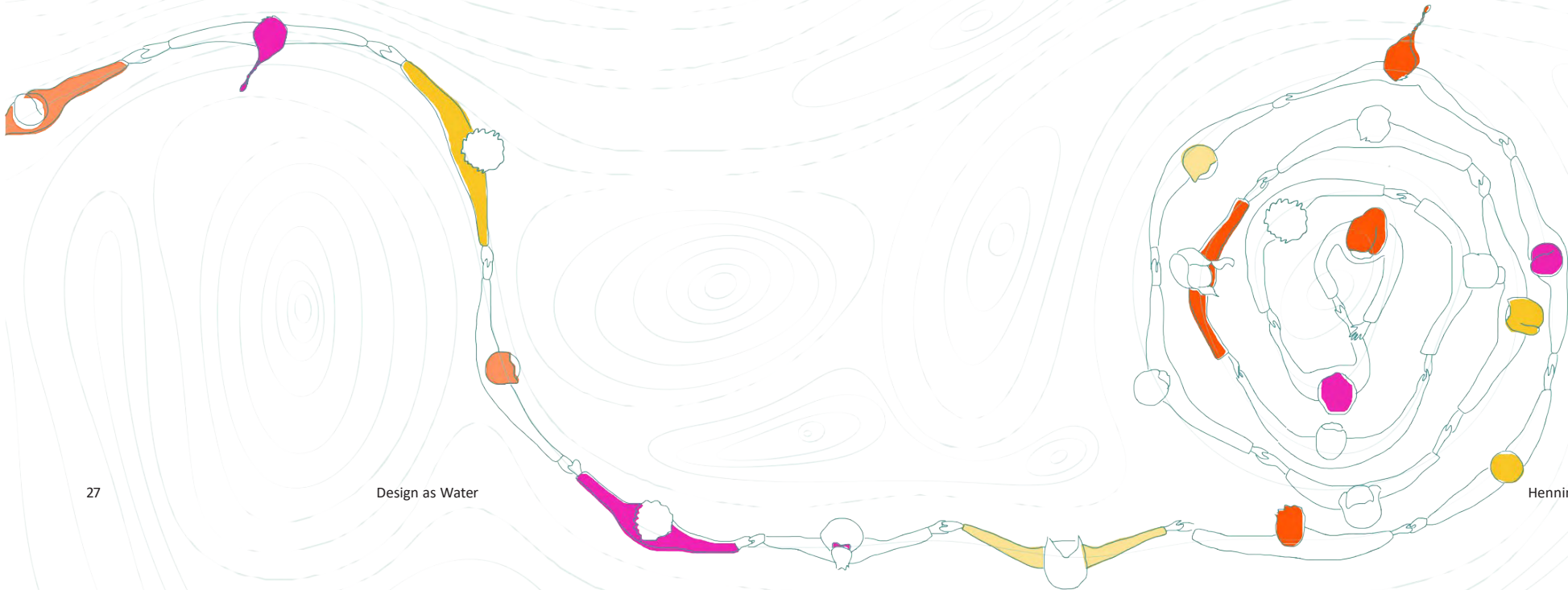
Embracing a new water paradigm



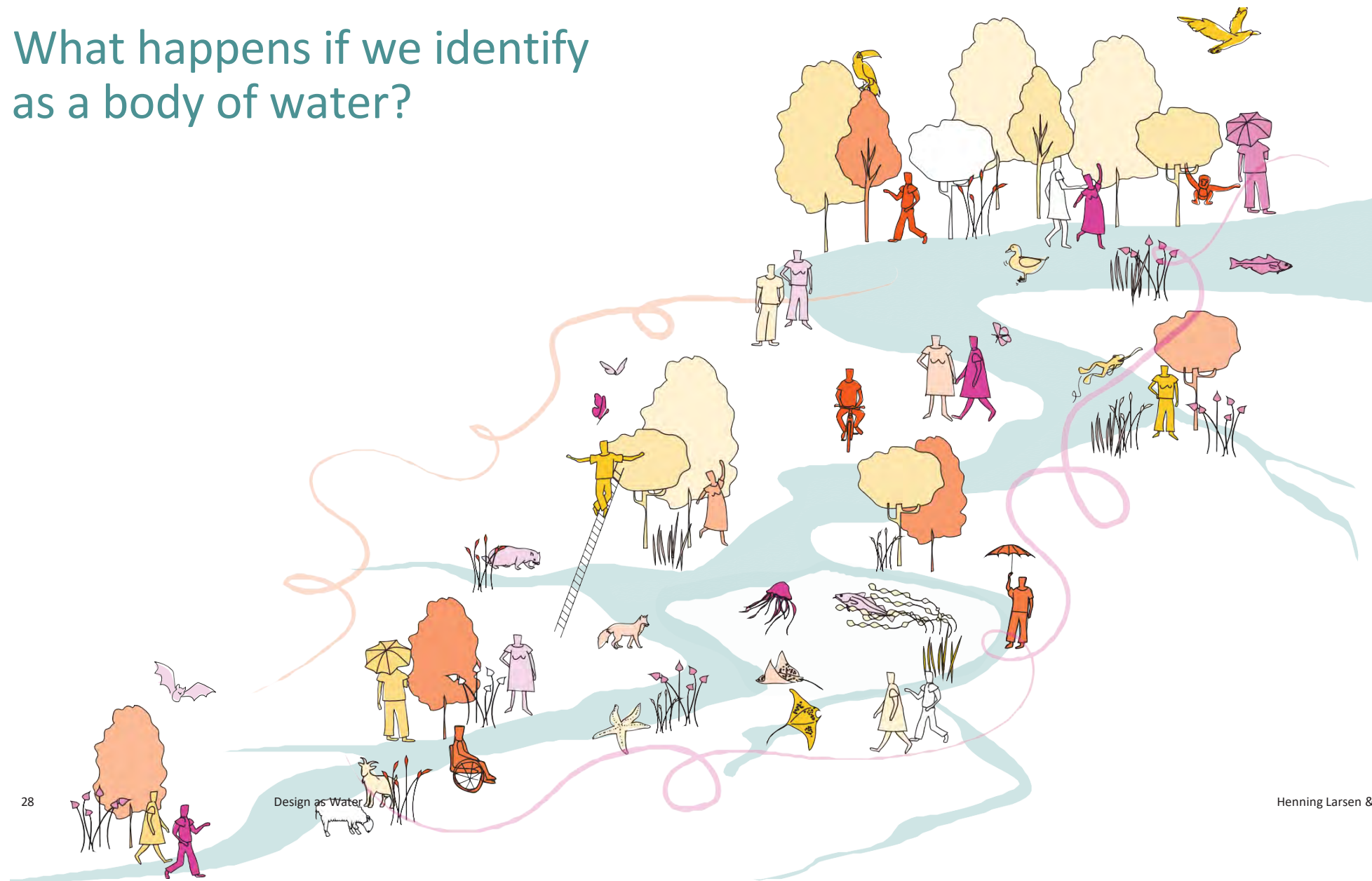
Henning
Larsen

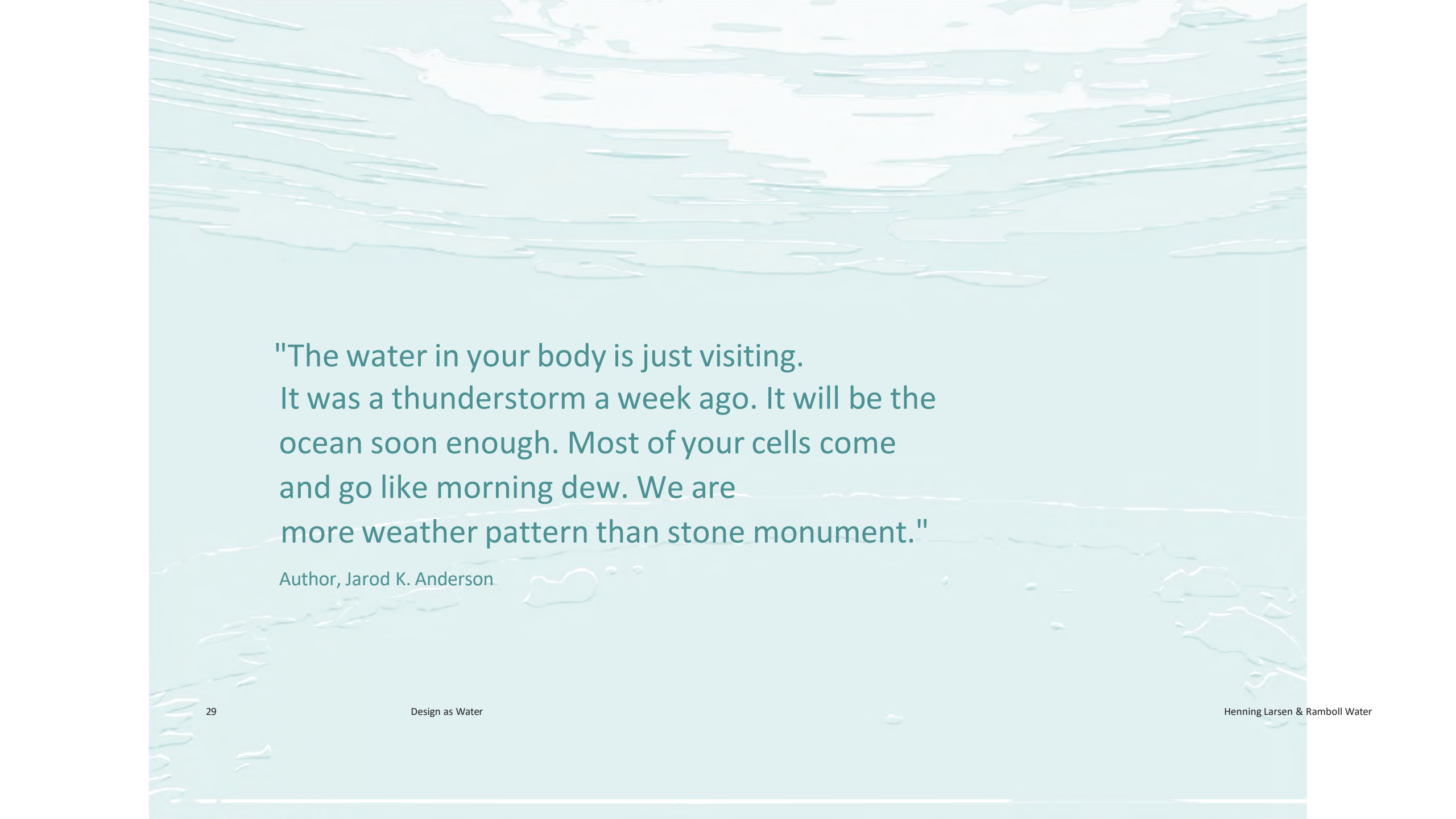
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We are all bodies of water in a water world. Every action we take has an impact on water and is impacted by water.



What happens if we identify as a body of water?



The background of the slide is a close-up photograph of water with gentle ripples, creating a textured, light blue-green surface.

"The water in your body is just visiting.
It was a thunderstorm a week ago. It will be the
ocean soon enough. Most of your cells come
and go like morning dew. We are
more weather pattern than stone monument."

Author, Jarod K. Anderson

What stories could water tell?



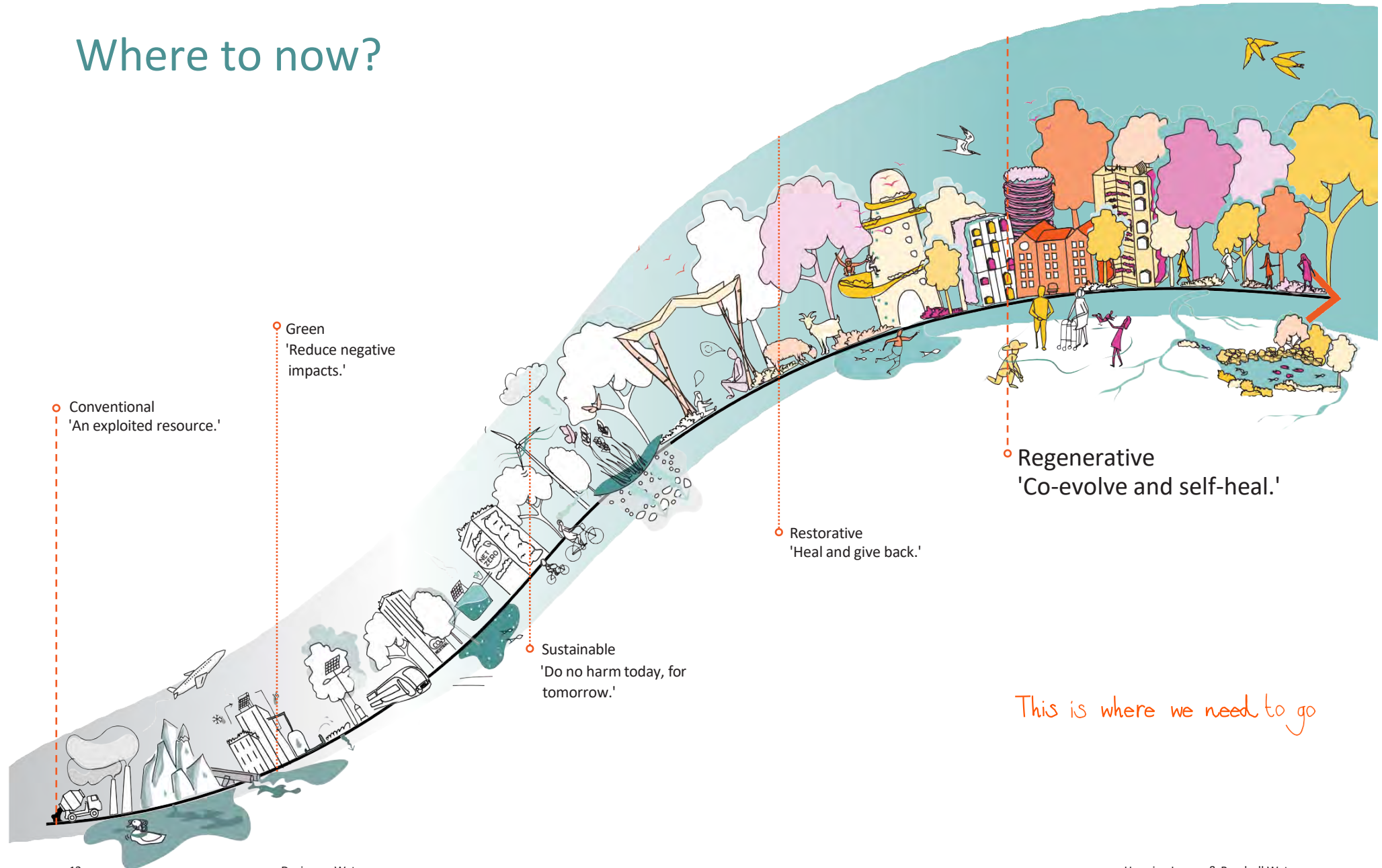
From co-existence
to control...



"The idea that we can control water
has always been a fantasy."

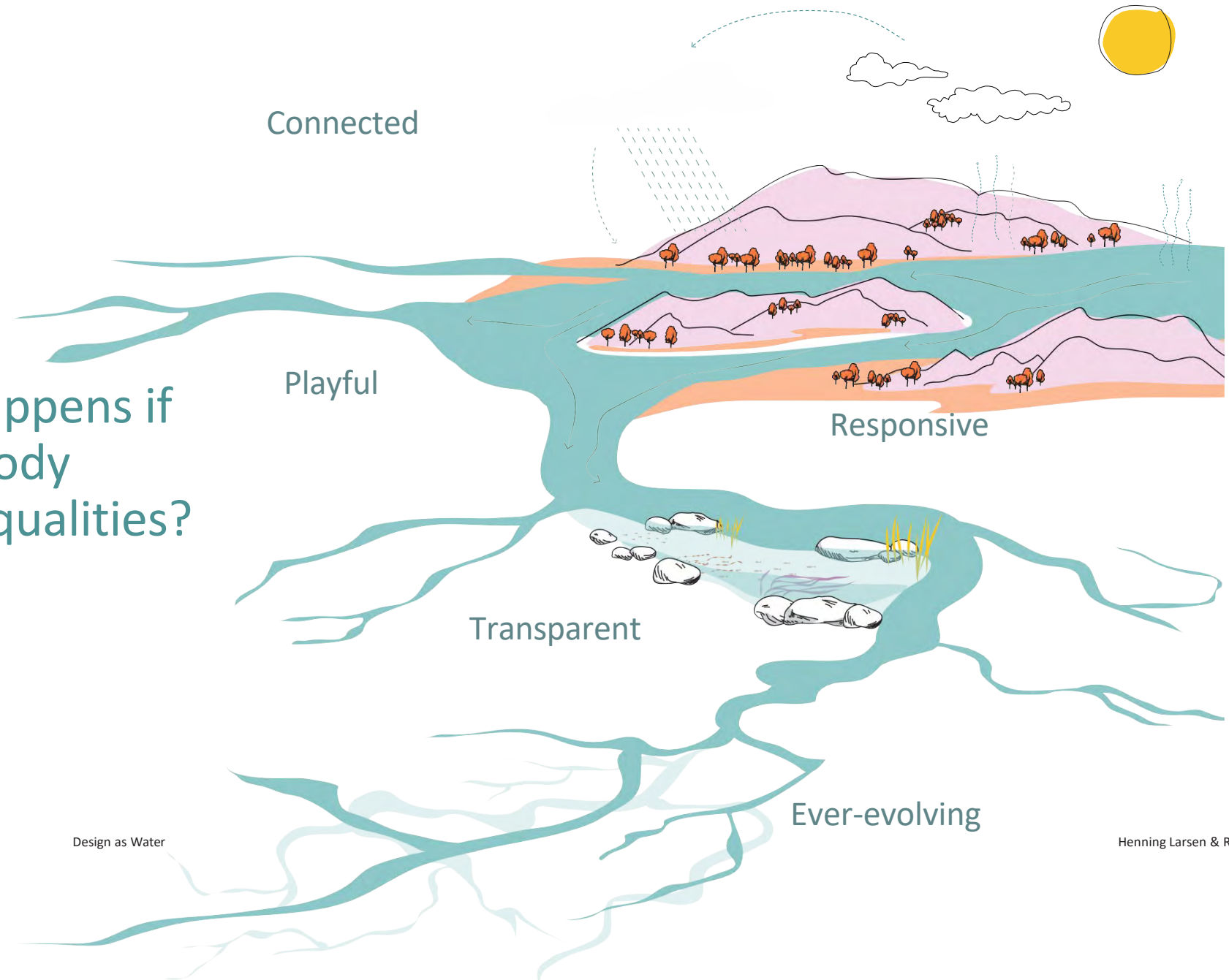
Author and journalist, Erica Gies

Where to now?



This is where we need to go

What happens if
we embody
water's qualities?



Connected

Playful

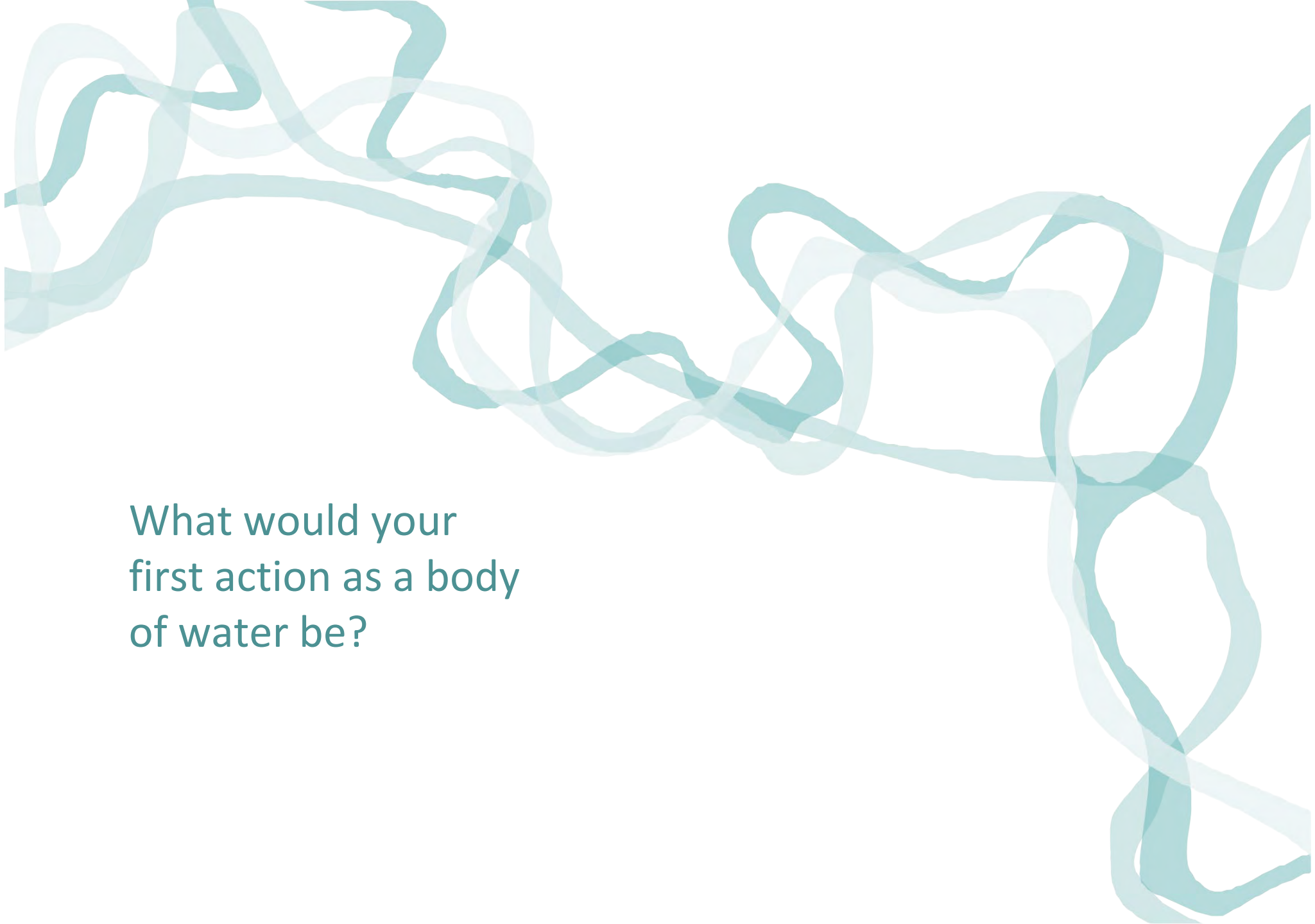
Responsive

Transparent

Ever-evolving

A flow of 8 concrete questions



The background of the slide features several overlapping, wavy, teal-colored lines that flow across the frame from left to right. These lines vary in opacity, with some appearing more solid and others more translucent, creating a sense of movement and depth. The lines are reminiscent of water currents or the flow of a liquid.

What would your
first action as a body
of water be?

Want to join our water stewardship journey?



Be the voice of water,
be a water steward

The illustration shows a woman with long blue hair, wearing a blue dress and a grey jacket, standing and gesturing towards a pink rectangular box. Behind the box, three people are seated: a woman with red hair, a woman with blonde hair, and a person with a purple headwrap. The scene is set against a background of stylized blue water puddles.

Reconnecting with our
own watery self,
interconnected with our
liquid environments

37

Design as Water

Henning Larsen & Ramboll Water

AWARENESS SERIES 2025: Systems and regeneration

NEXT
TIME

WEBINAR 3: Wed, Sep 24 at 11 CET

THE LAUNCH

Regen Nexus

– Imagining Regenerative Infrastructure

Sharing reflections from
Design Sprint with By & Havn
and Aalto University

Panel discussion with
Acciona, By & Havn and
Aalto University

Launch and call to action to
**join Regen Nexus co-
creation and platform**

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