



URBAN NATURE

MERGING URBAN PLANNING WITH NATURE

IN NORDICS

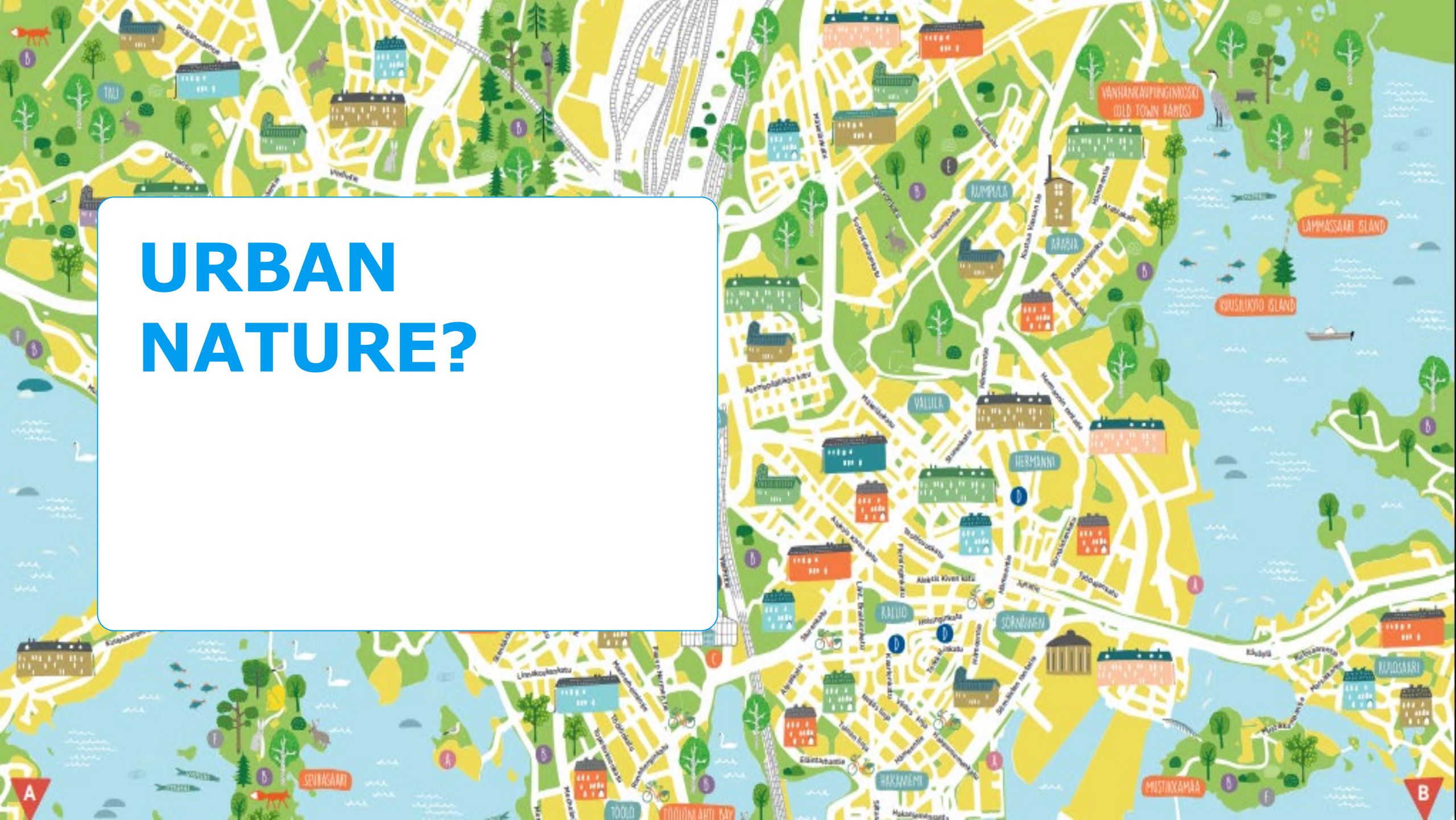
Kaisa Mustajärvi,

Regional service line leader, Ecological services, Nordics

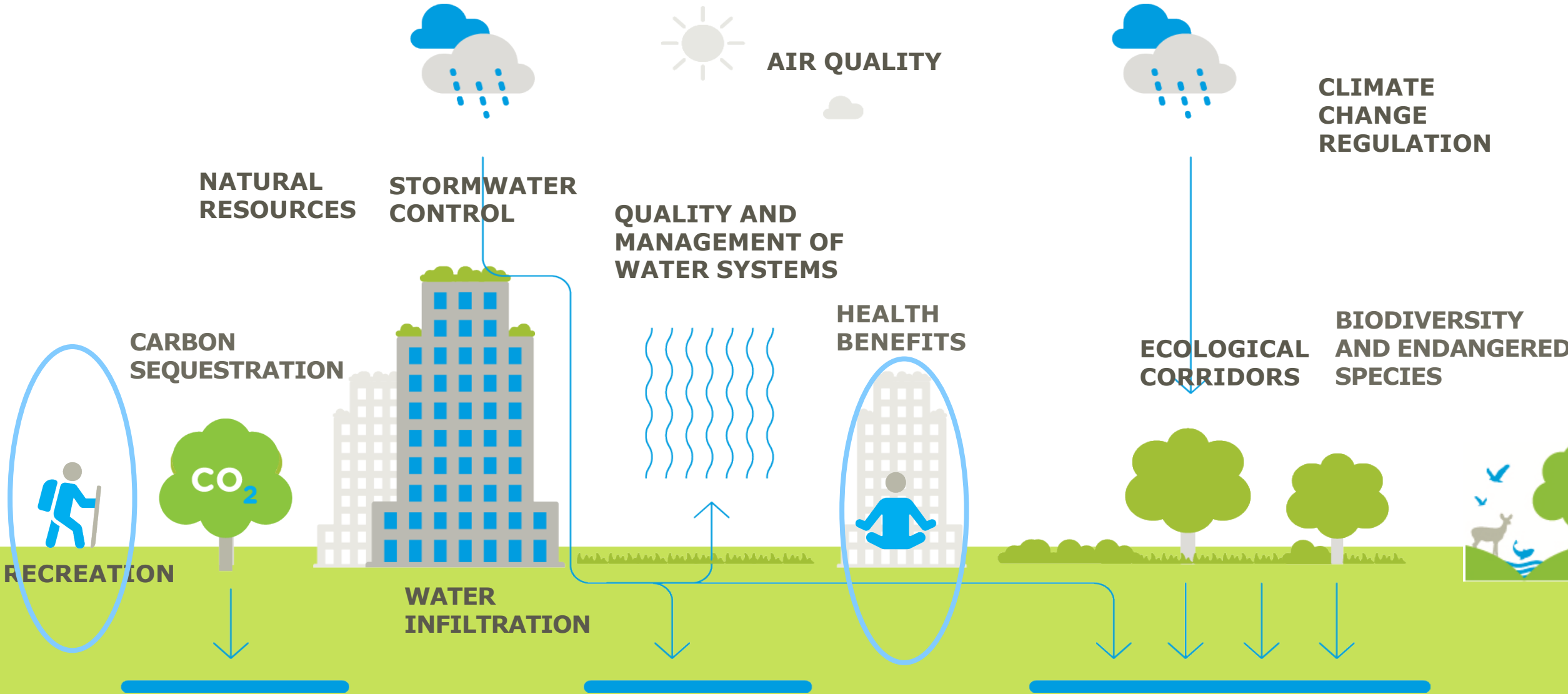
Ramboll



URBAN NATURE?



FUNCTIONALITY AND INTERACTIONS - ECOSYSTEM



DESIGN THINKING – DESIGNING ECOSYSTEM SERVICES – KERINKALLIO, LAHTI



EXPERIENCE PROBE TO IDENTIFY USER PROFILES

- Experience walk and mobile map app results were used to form 3 user profiles
- For all the profiles we did:
 - **User cards** to describe the touching point with the user and ecosystem service eg. The benefits the recreation are provides and the users wishes, need and worries in relation to them
 - **Service paths**, where you describe the touching points of the users with the actual ecosystem services, focus on the spots that are of special interest



USER CARD: ACTIVE SPORTSTER

CORE FUNCTIONS & MOTIVATION

- Getting around the area, jogging, running and skiing
- Passing through the area as part of their daily mobility

NEEDS

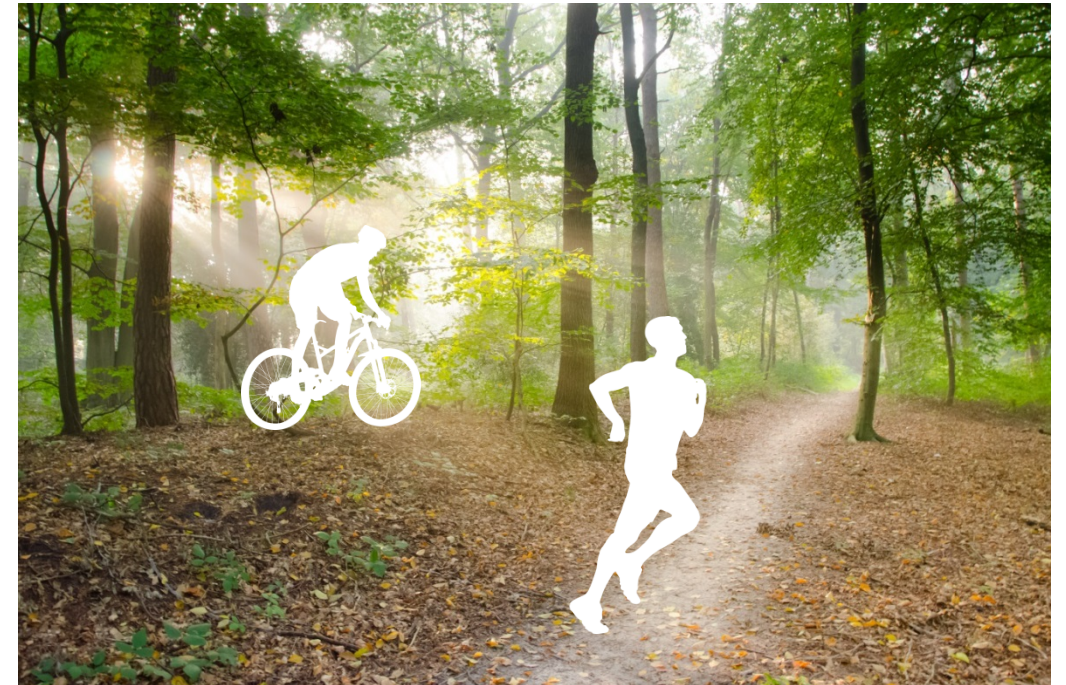
- Paths through the area as
- Opening the scenery along the paths
- Updated knowledge about the conditions- and management (snow blowing, cleaning storm damages, skiing tracks etc.)

WISHES

- Better facilities for winter sports (incorporating different user needs)
- New sorts equipment
- Ice to skate, playingfield

WORRIES

- Interruption of routes due to road development
- Increased traffic noise
- Accessibility (slopes, paving)

























"Paths are calling me to run, although the paths are not that long. Let's preserve this forest for me to breath."



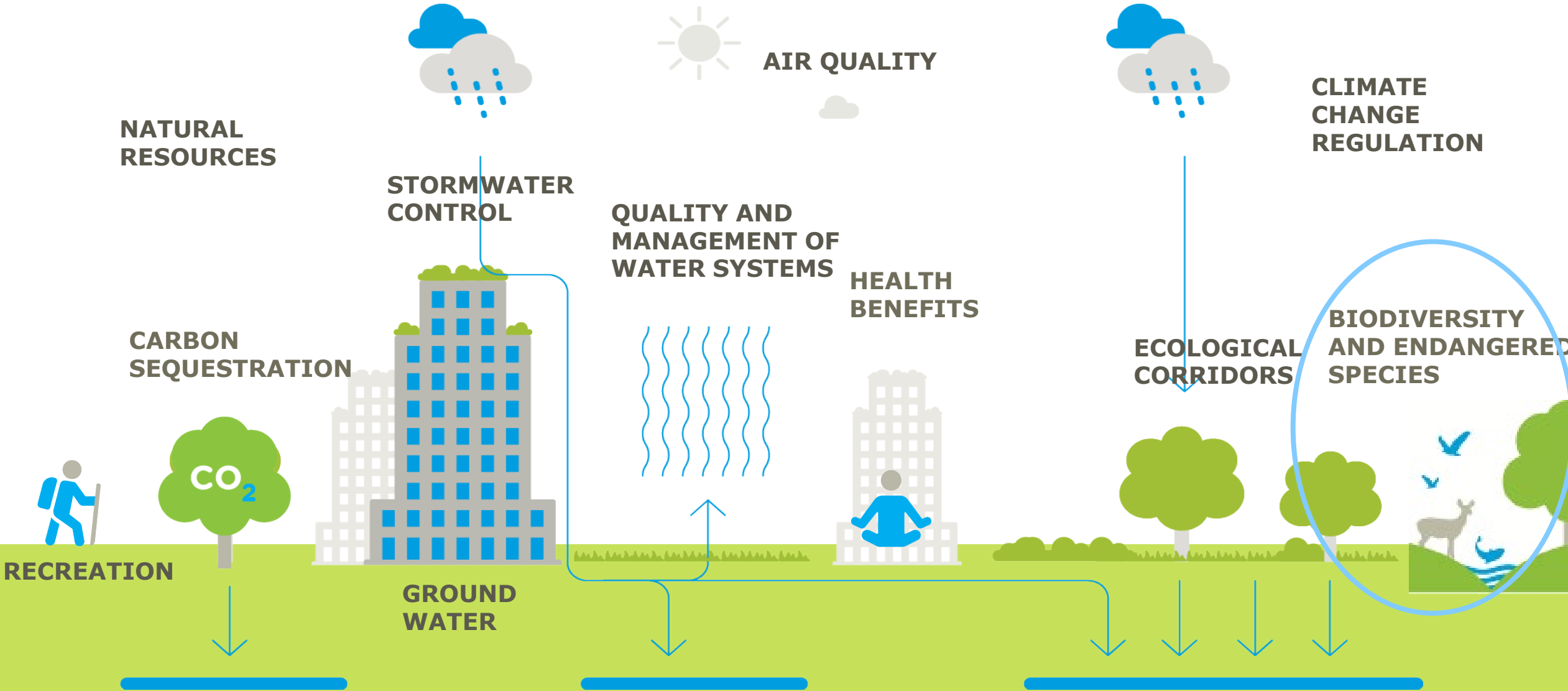
HIKERS SERVICE PATH

USERS ACTIVITY	Gathering ★	Nature observations ★	Hiking ★
<p>NEEDS (Physical structures)</p>	<ul style="list-style-type: none"> • Biotopes for berries, mushrooms • Paths / routes 	<ul style="list-style-type: none"> • Land scape /scenery • Diverse and healthy biotopes/habitats (vegetation, waters and animals) 	<ul style="list-style-type: none"> • Accessible but natural environment • Landscape/ scenery
<p>Critical factors of success</p>	<ul style="list-style-type: none"> • walkability (bush raking) • Environmental conditions that provide food berries, mushrooms etc. • Environmental health (safety of the food) 	<ul style="list-style-type: none"> • Nature based solutions • Accessable knowledge about biodiversity and values • Healthy forest - management • Noise control: barrier forests and noise barriers 	<ul style="list-style-type: none"> • Stormdamage management • Path management • Preservation of landscape values
<p>Actors & Responsibilities</p>	<ul style="list-style-type: none"> • Forest Management • Sports and recreation department • Communications 	<ul style="list-style-type: none"> • Forest management • Nature conservation department • Stakeholder, NGO:s, eg. Bird Life 	<ul style="list-style-type: none"> • Forest management • Sports and recreation department



-  Melun lieventäminen
-  Vedenkierron sääty (hulevedet)
-  Biodiversiteetti
- Kulttuuripalvelut**
- Symboliset arvot
 -  Kulttuuriperintö (laiduntamalla noidettava niitty tai haka)
- Fyysiset ja henkiset kokemukset
 -  Maisemallisesti merkittävä näkymä
 -  Uusi lähireitti
 -  harjuportaat
 -  Uusi luontopolku
 -  Kehitettävä metsä- tai suopolku
 -  Hiljentyvä alue
- Luonnon kokeminen
 -  Uimaranta
 -  Venepaikka
 -  Tiedon jako (kohdeopasteet ja infotaulut)
 -  Varusteiden vaihtopaikka
 -  Nuotiopaikka
 -  Esteetön pääsy rantaan
 -  Pääsy rantaan
 -  Järvilatu, yhdys- ja lenkkilatu
 -  Luistinrata
 -  Paikallisesti arvokas avoin alue
 -  Houkuttelevuus virkistyskäytön kannalta
 -  Suunnittelun alueen rajaus

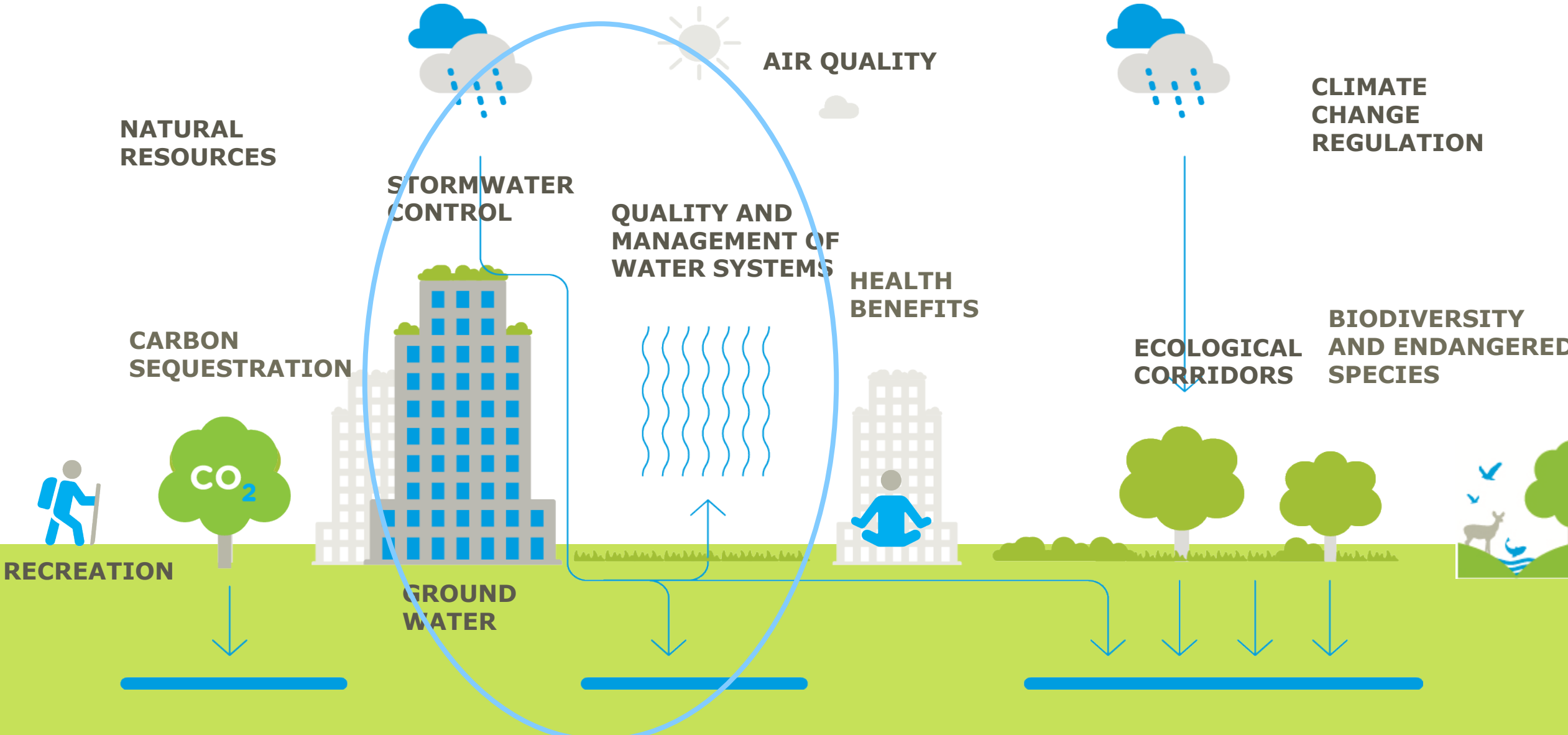
FUNCTIONALITY AND INTERACTIONS - ECOSYSTEM



BREEAM (BUILDING RESEARCH ESTABLISHMENT'S ENVIRONMENTAL ASSESSMENT METHOD)



FUNCTIONALITY AND INTERACTIONS - ECOSYSTEM



UNALAB – EU PROJECT TO PROMOTE THE USE OF URBAN NATURE BASED SOLUTIONS

← → ↻ <https://www.unalab.eu> 📄 ☆ 👤

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UNALAB'S DEMONSTRATION CITIES

NBS demonstration actions are planned in Eindhoven, Tampere and Genova

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Vuores

- ▶ A construction phase green district in the middle of natural waterbodies. Vuores storm water management system is one of the largest in Nordic countries and the most and the world's northest system of this size.

Series of Design Thinking workshops in both case areas
Visioning - Ideating - Testing
6 workshops - 258 active participants

Hiedanranta

- ▶ A planning phase brownfield area that aims to be smart, sustainable and dense centre of Western Tampere where new ideas, pilots and urban culture flourish.

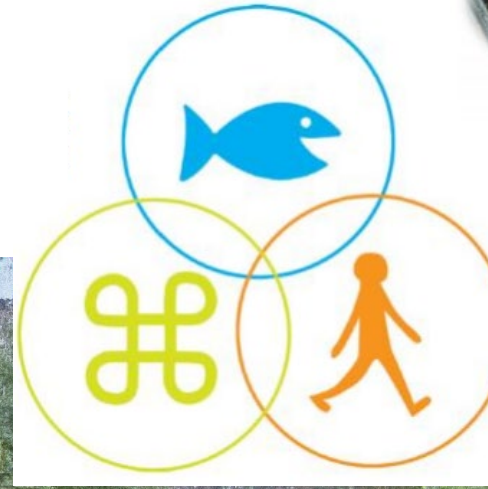




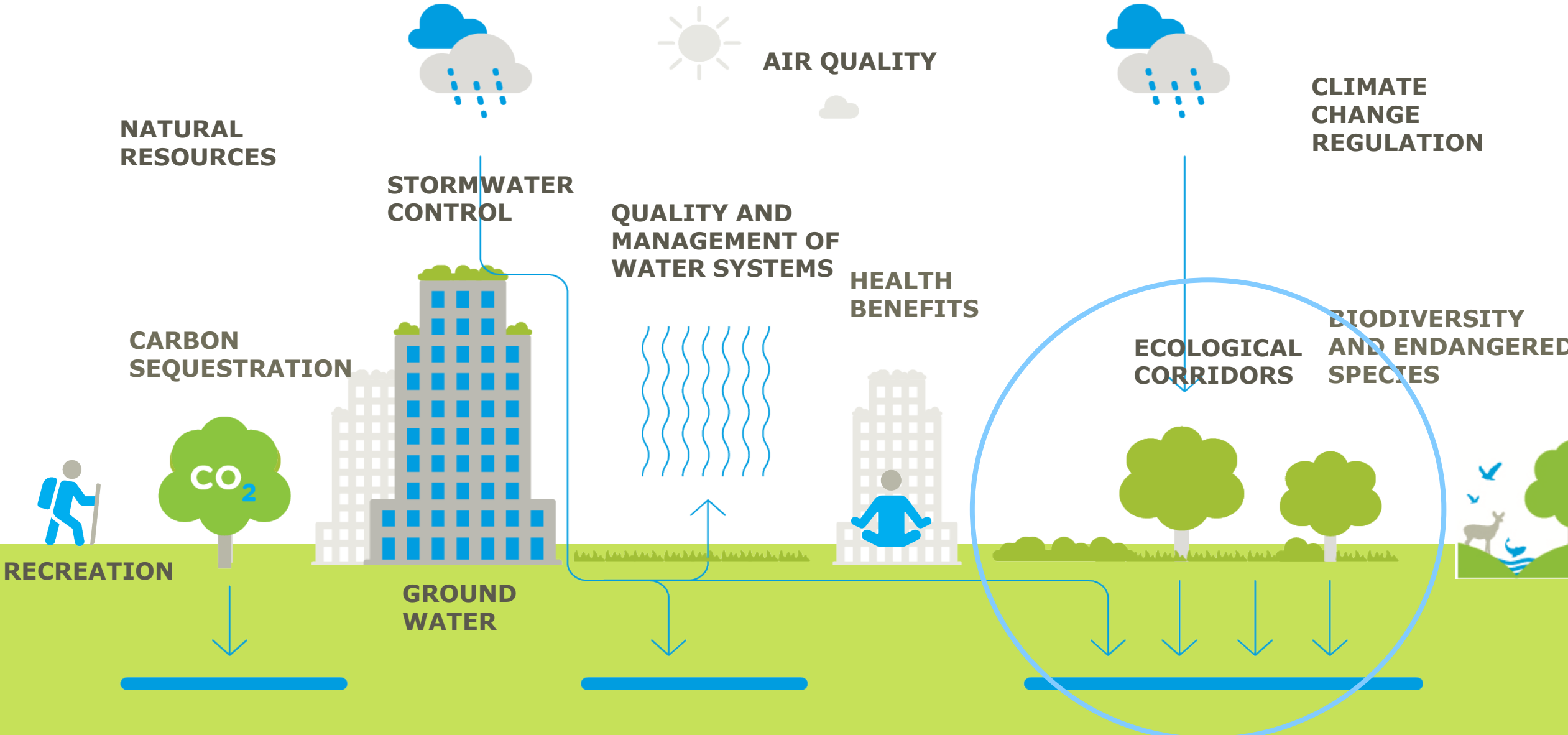
- 5. Tervaleppäkorpi-perintömaisä
- 6. Viivytytsaltaat
- 7. Vuoreksen keskusallas
- 8. Vuoreksen keskuksioston hulevesiuoma
- 9. Hulevesiuoman tulvaniitty
- 10. Ojanvarren kosteikkokasvit
- 11. Hupakankorven hulevesialtaat



REMOVAL OF TIKKURILA DAM - VANTAA



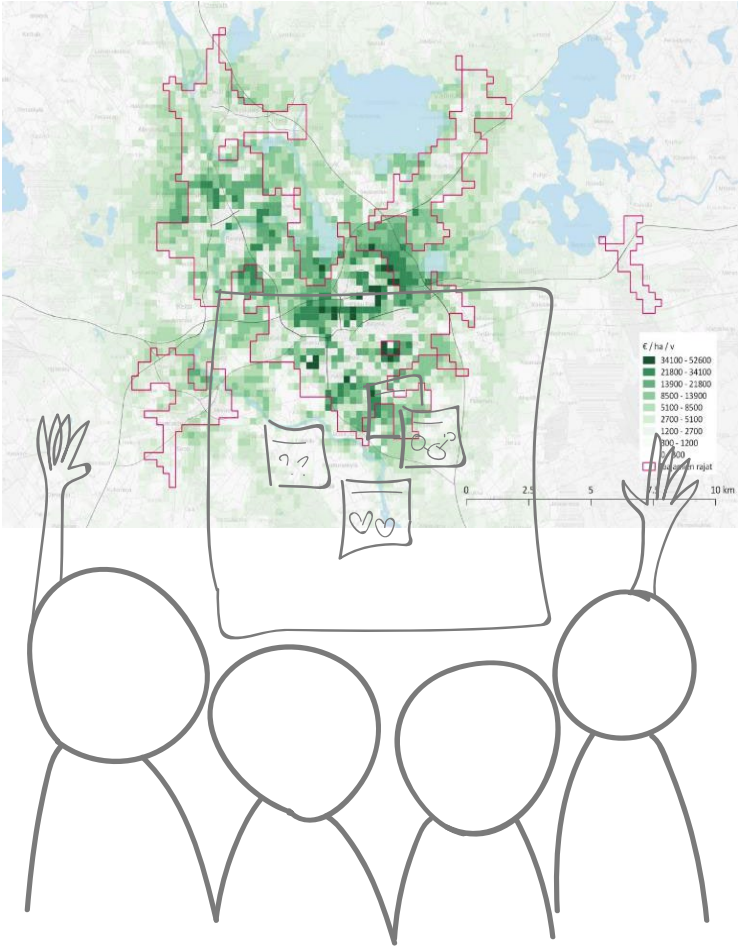
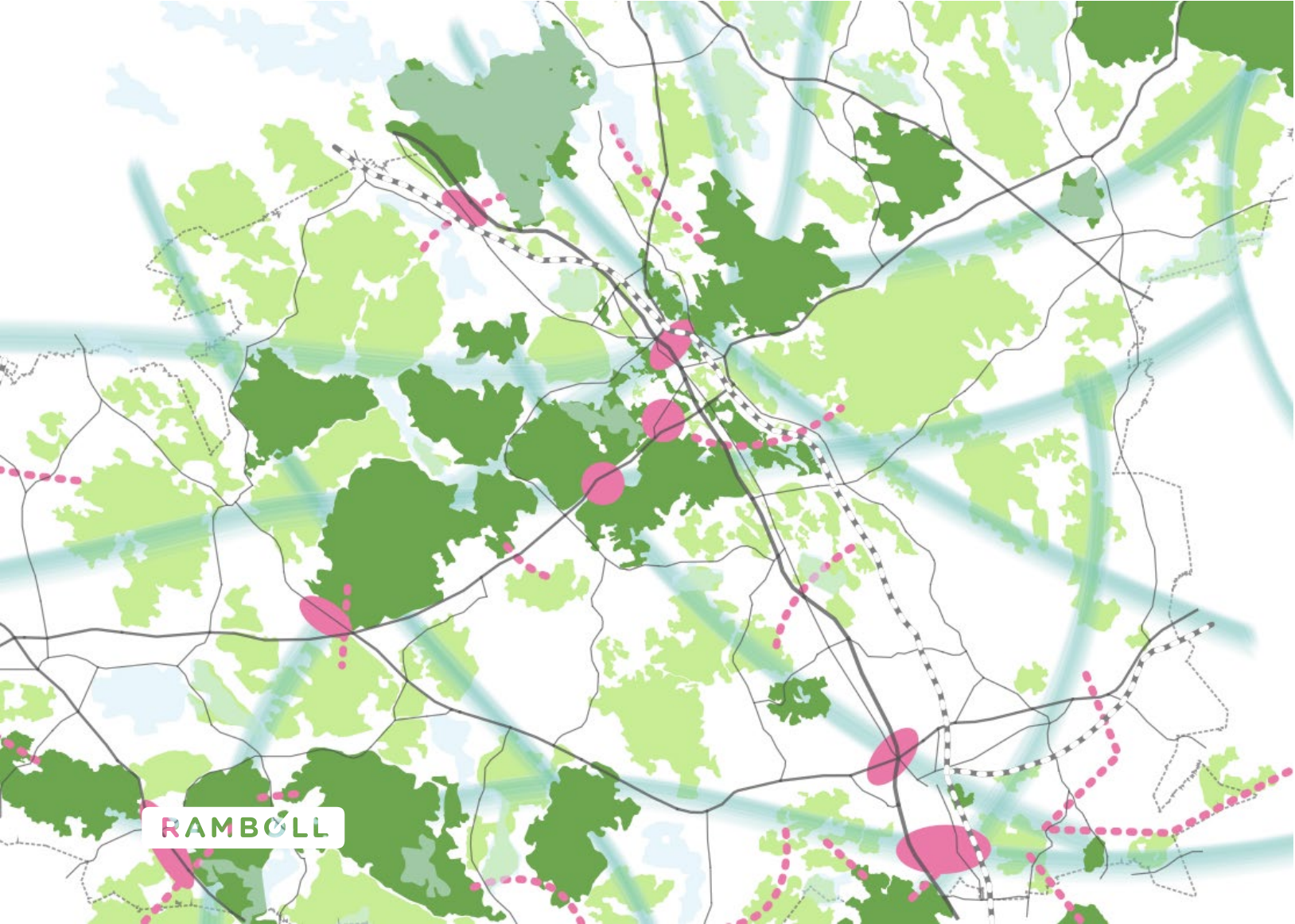
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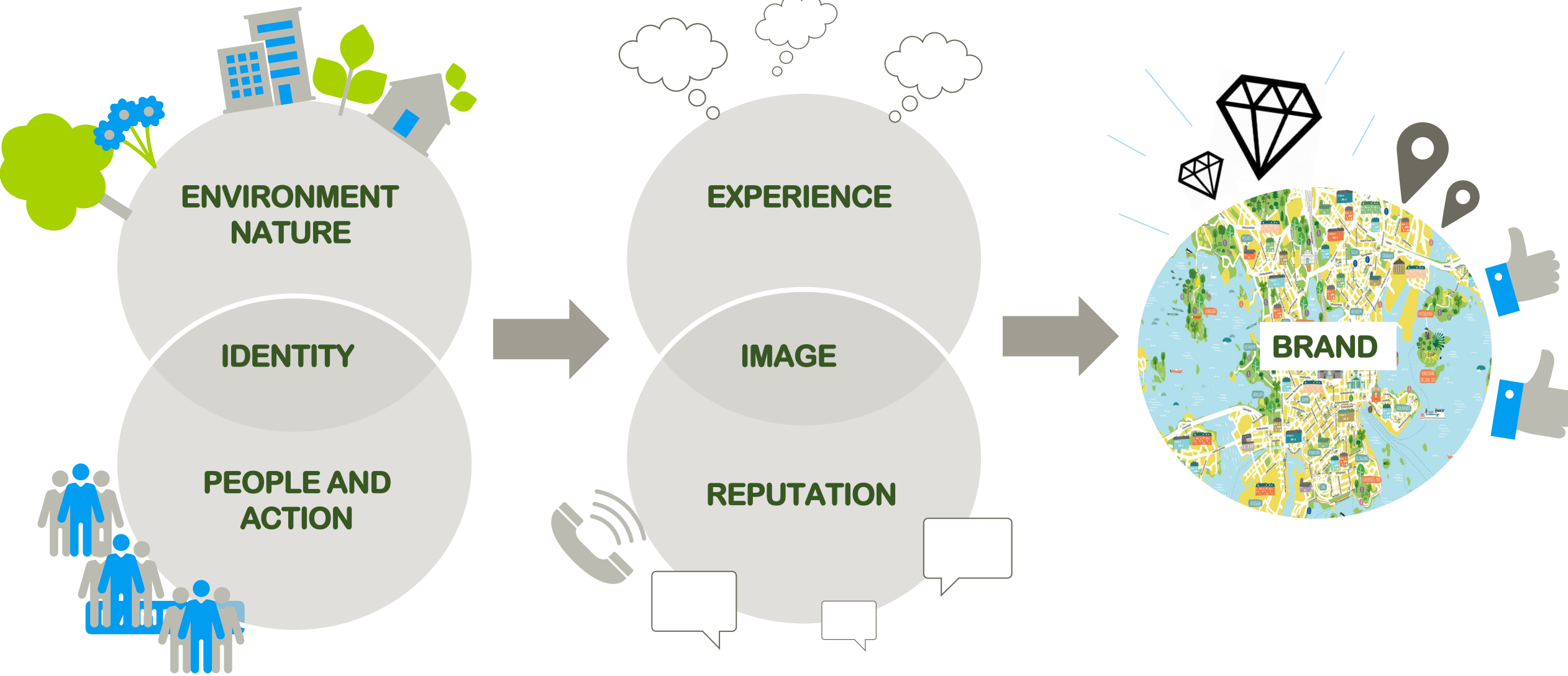
STRATEGIC PLAN TO PRESERVE THE POPULATION NETWORK OF SIBERIAN FLYING SQUIRREL



ECOLOGICAL NETWORK OF COUNTY TAVASTIA PROPER



URBAN NATURE IN REGIONAL BRANDING



BRANDING OF THE HELSINKI AREA GREEN CIRCLE OF NATIONALPARKS



THANK YOU!

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