

Sustainable Cities in the Nordic Baltic Regions 2022

22 000 ~~homes~~ habitats

What is Gullmarsplan's contribution?

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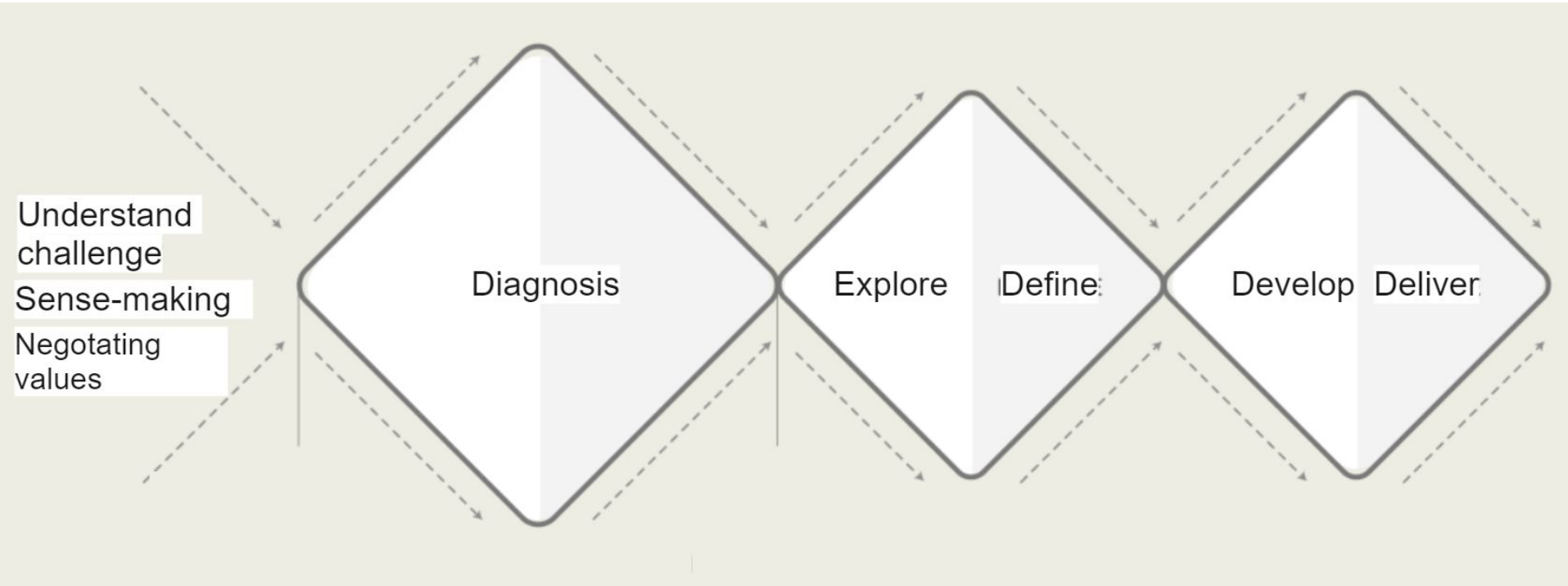
Stockholm 2022

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Triple diamond



User: otc-vesj
password: accurate - pointed - anchovy - aluminum

Method's & data
3 interviews
Multiple site visits
Guided tour
by local
Photo/video
documentation
What-if?
Affinity diagram
Suspension exercise



Stakeholder tree

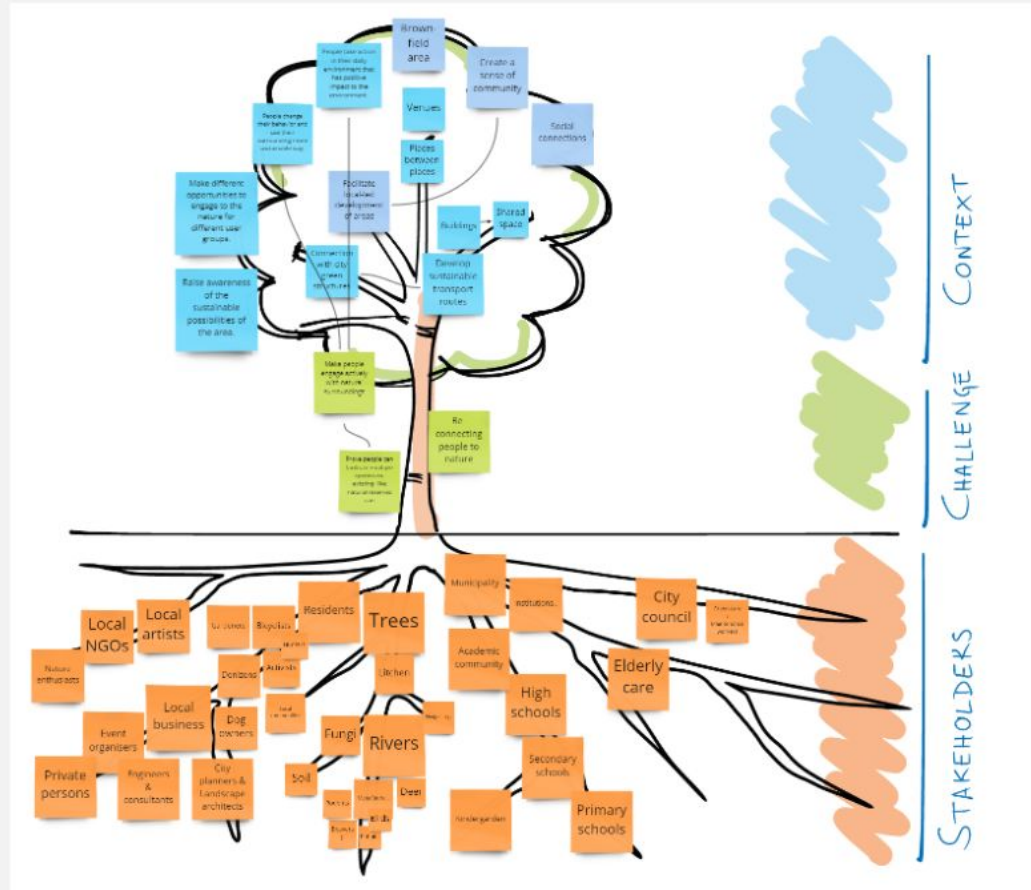
Understand challenge

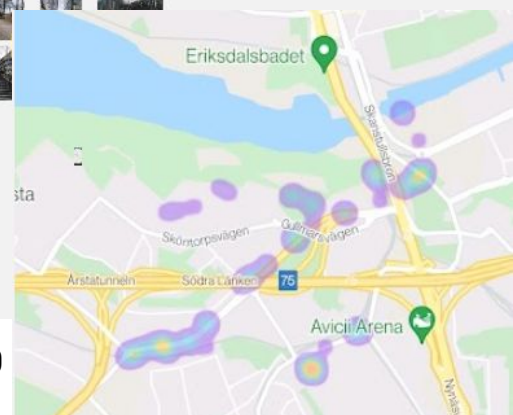
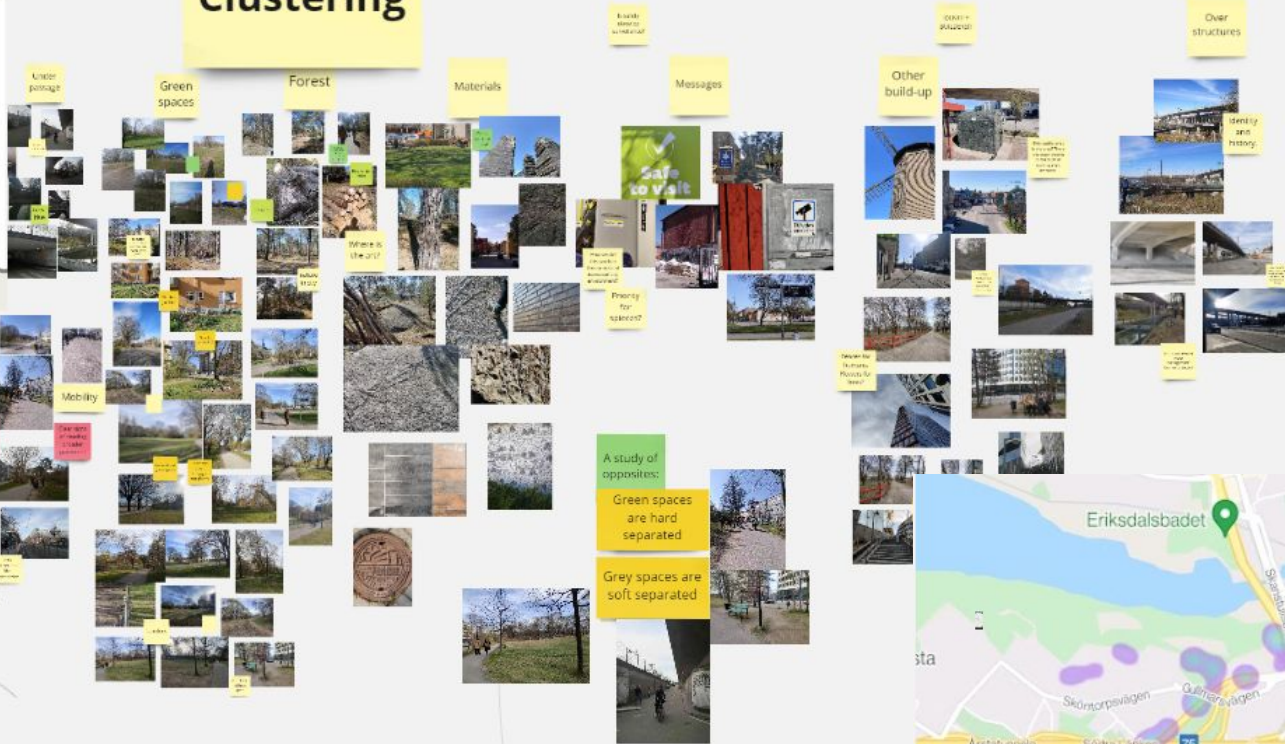
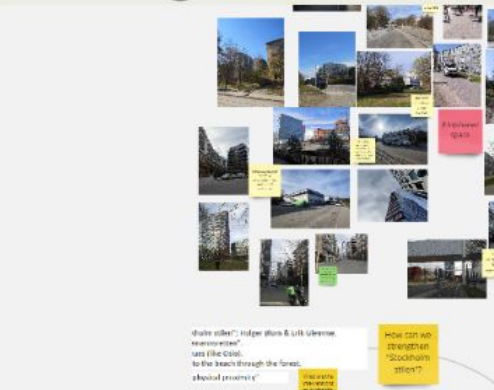
Sense-making

Negotiating values

Sense-making
Negotiating values

Negotiating values





Picture heat map

Findings



Guiding concepts

- Socio-ecological systems
- Connection
- Ecologies
- Place
- Resilience



Framework - Principles for Building Resilience



Principle 1 - maintain diversity and redundancy



Principle 2 - manage connectivity



Principle 3 - manage slow variables and feedbacks



Principle 4 - foster complex adaptive systems thinking



Principle 5 - encourage learning



Principle 6 - broaden participation



Principle 7 - promote polycentric governance systems



Example 1 “Seeds” (I)

Urban
transformation

Mobility

Integrated grey-
green
infrastructure

Culture as an
engine of
change and
vitalisation

Connections

Change
unpleasant
surprises to
pleasant
spaces

What if the small
initiatives / pop-up
places could be
used to
communicate the
goals for the future?

What if the
potential and skill
of the locals could
be used to build
the story of the
place.

Connect school
practices yearly to
planting / useable art
installations by the station

What if we let
people build
places for
animals, insects
and plants.

involve schools
into urban/green
classrooms

A collaboration
where students
have their
classroom in the
forest - also
teaching the locals

What if school
could be used
to educate the
local people in
the eco-social.

changing green
spaces -
different spaces
for different
culture groups

Example 1 “Seeds” (II)

Skanskvarn Schools Park for Bees

Pupils put up flowerbeds for bees, butterflies and other insects



Park becomes part of school and the ownership of the place is changing



People and animals enjoy the park more

Information signs for others to learn about the eco-social system of the site



Example 2 “Sprout” (I)

Urban
transformation

Mobility

Integrated grey-
green
infrastructure

Culture as an
engine of
change and
vitalisation

Connections

What if we thought of
mobility as integral to
grey-green-blue
infrastructure

What if we make
pedestrian
enjoy the
walking in the
environment.

That way you have a **green corridor
integrating blue infrastructure**,
offers a **safe space for
pedestrians**, gives space to form
community sense

What if all actions
could have
emphatic
approach to the
locals of the area.

What if we use
local culture to
build places
for the locals
to go!

desired paths
without huge
detours

Example 2 “Sprout” (II)



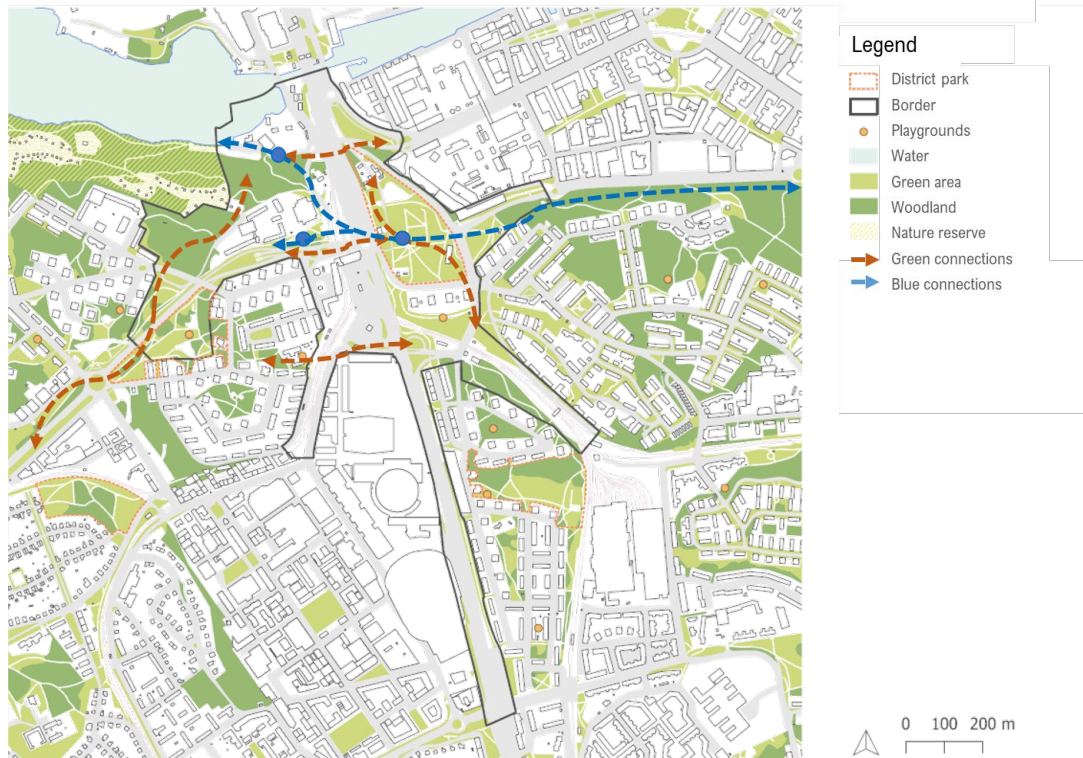
Blue connections



Underpassages



Green connections



Base map from presentation made by Urban planning office Gullmarsplan och Nynäsvägen

Example 2 “Sprout” (III)

Stormwater as a resource rather than an inconvenience

Retention pond

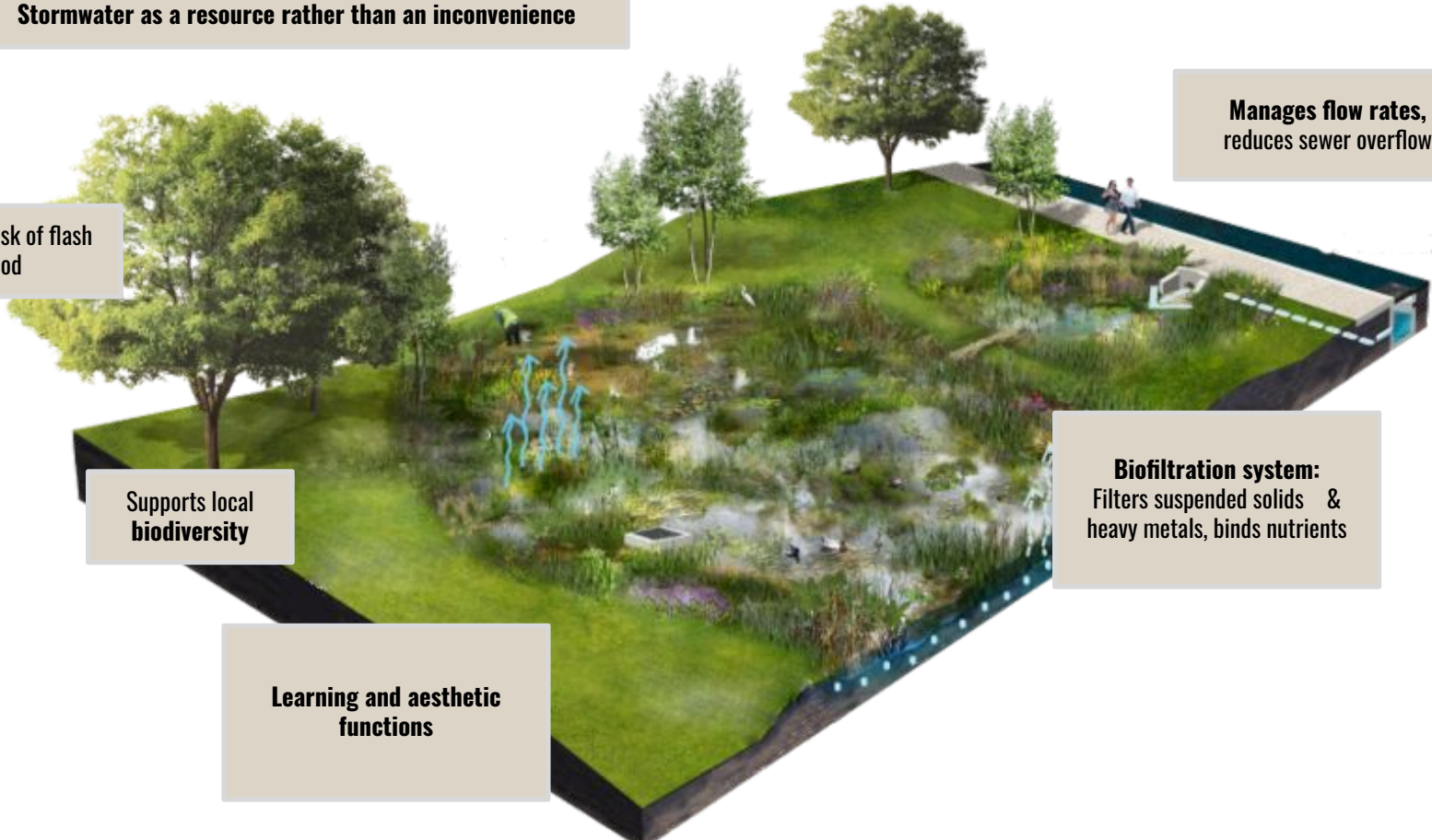
**Manages flow rates,
reduces sewer overflow**

**Reduces risk of flash
flood**

**Supports local
biodiversity**

Biofiltration system:
Filters suspended solids &
heavy metals, binds nutrients

**Learning and aesthetic
functions**



Opportunities

- Define new goals for making habitats, not just homes for people; one tool can be “planbestemmelse”.
- Use place specific materials and designs to strengthen identity of the place.
- Include people in place development, give them the tools, frameworks and “seeds” to contribute.
- Use the “procentprincip” from school development to fund place interventions (while including the local stakeholders).
- Holistic approach lead to more sustainable solutions.
- Always think who is not represented to ensure participation for all.
- Use co-working places like “Samverket” for specific policy opportunities.
- Make use of these student proposals from today, and collaborate with research





*Connect green areas and create a
bio-corridors with integrated blue-green
infrastructure, functional and safe mobility
and strong involvement of community, who
can co-create place identities.*

References

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[Storm water management in the city of Helsinki | BSR WATER](#)

[Nature-based solutions for stormwater management in the Helsinki Metropolitan Area, Finland – Prerequisites and good practices #cFZx8Y9zg4 \(hsy.fi\)](#)