

Sustainable Cities in the Nordic Baltic Region
27.04.2022



Developing a **NATUREHOOD**

Improving socio-ecological living in
Gullmarsplan area, Stockholm

Green Barz #no_cars

Tolkyn · Martin · Michael · Laurynas · Mariela





Our Vision

Themes



**Social and natural
connection**

**Symbiotic
CoHabitation**

**Socio-
ecological
living space**

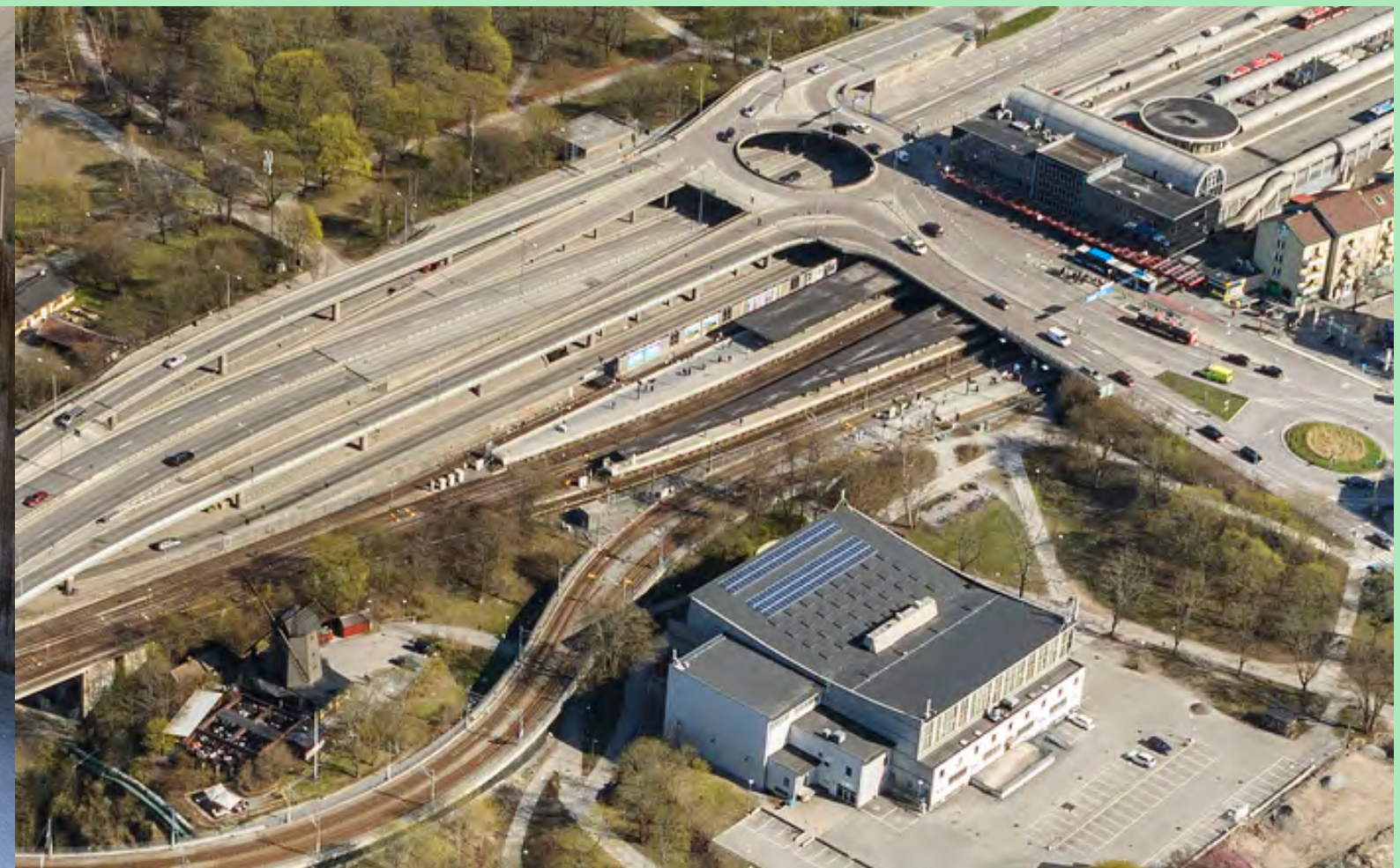
**Participatory
planning**

**An inviting
"naturehood"**

Theme 1: Social and natural connection

Main issues:

- Disfragmented socio-ecological networks.
- Infrastructre barriers separate communities.
- Dimly lit, unattractive underpasses connect the areas.



What we propose

- Attractive connections between the different areas
 - Better pedestrian and cycling infrastructure
 - Better green connectivity



Stockholm subway is the world's largest public art gallery



Located in downtown Stockholm, Kungsträdgården, roughly translated to "King's Garden" lies under a royal historical area rich in history and not only. **The station is a case study for historians or artists, but also of interest for biologists** as the

Naturehood Center

- Public gathering space for the community.
- Information centre for Årstaskogen.
- Variety of different facilities.
- Symbol of communal identity, bridge between nature and the build environment.



Duivenvoordes Courtyard Visitor Center, NL



Oodi, Helsinki



Community center,
Sõmeru, Estonia

Existing state of bridges



Solution – Bridges for All

Pathway Under Bridge

Pedestrian/Cycle access

Plants for Carbon Capture



Buildings Under Bridge

Amenities like Gym or Office Space



“Living Bridge”

District On-A-Bridge



Highway lid

*"Fostering Coexistence
Through Clever Design"*



**Reconnects Nature corridors
Reconnects Neighborhoods**

**Space for New Parks
Space for Housing**

Theme 2: An inviting “naturehood”

Main issues:

- Lack of sense of community.
- Lack of place identity - not a place to stay.
- Barriers for building a community.
- Future densification process.



What we propose

Example: Timber megaphones in Võrumaa, Estonia



Utilizing existing structures



Theme 3: Symbiotic cohabitation

Main issue:

- Disconnection between the natural and built environments.
- No sense of shared responsibility and ownership of Gullmarsplan
- Currently Gullmarsplan is a transit passing area



What we propose



- fostering seeds of stewardship at Värmdö gymnasium



- stewardship of nature



- nature walks in Årstaskogen, residents are guides for tourists

Ambassadors of Årstaskogen at Gullmarsplan station



+



=



Home in a Hill

Green Roof Harbour

Continues green structure along shore



Hill/Home Typology

Continues Wildlife corridor

Provides residential space

Pedestrian & Cycle Paths on roof

Citizen chosen amenities:

- 8-80 Recreation Areas

- Shared Permaculture Gardens

- Seating

- Local-inspired Art

Envelopes in action

Envelopes providing spaces for pollinators, birds, vegetation and social interaction.



Theme 4: Participatory planning



Main issues:

- Top-down approach
- Too formal public involvement in urban development

However: Positive examples exist, community wishes to be engaged in the process.

What we propose

- Surveys to understand public opinion.
- Public hearings at the Naturehood Center.
- Using apps and online solutions to engage the public in planning.



Pathway

- Social and natural connections
- Inviting Naturehood
- CoHabit
- Participatory planning

Short term

Long term

Today
2022

2024

2025

2026

2027

2030

Mid term

2032

2037

2040

Goal vision
2050 +

- Environmental studies
- Splash of green over bridges

- Temporary nature module
- Outdoor living room

- Tours by locals
- Little interventions in the forest

- Forest ambassadors in train stations

- Naturehood center

- Nature Highway cap. Phase 1

- Nature Highway cap. Phase 2

- Sustainable bridges for cars and people

Green bridge

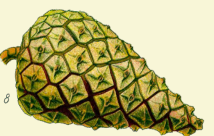
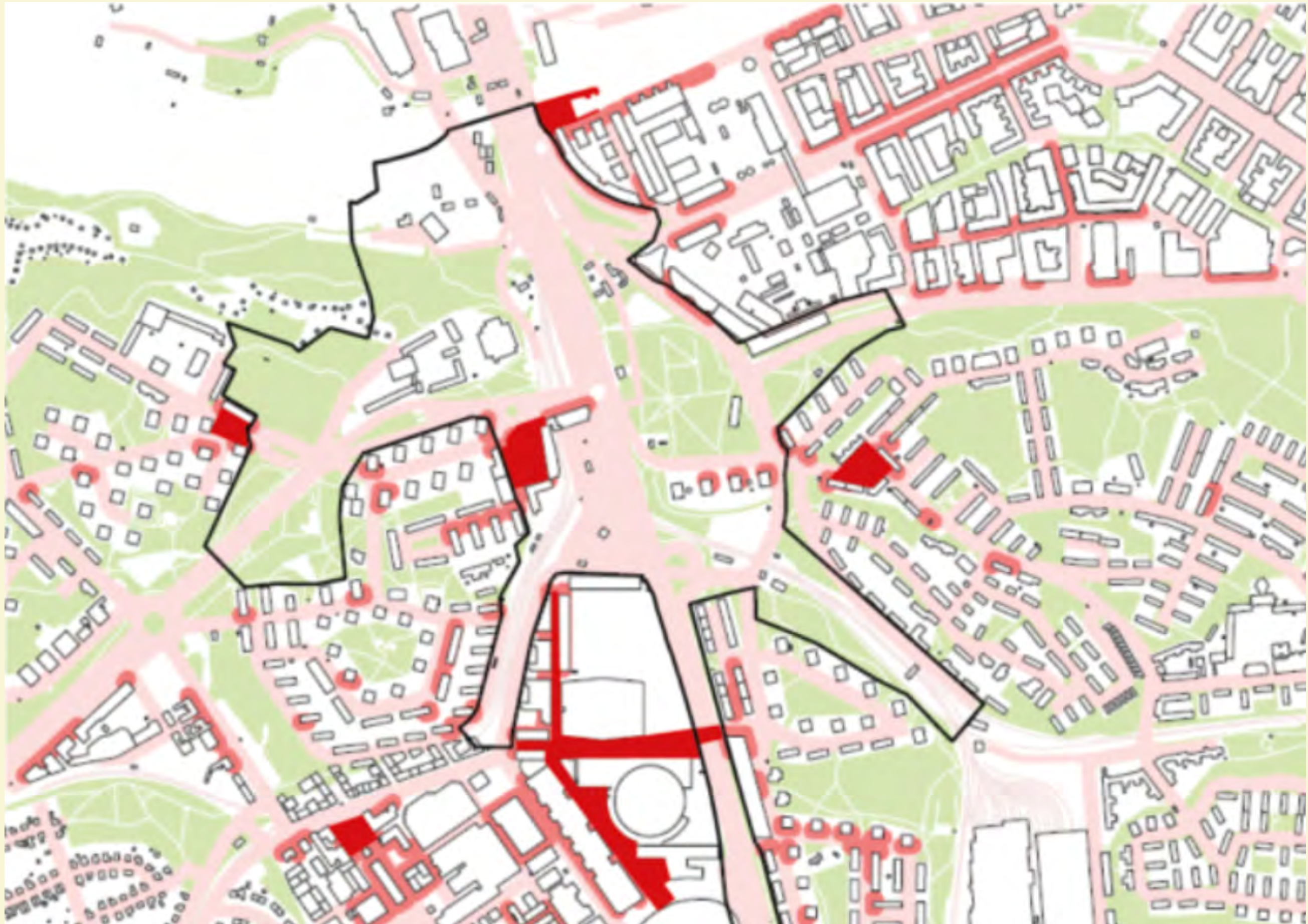
Less cars in Stockholm

- Bridges as sustainable housing

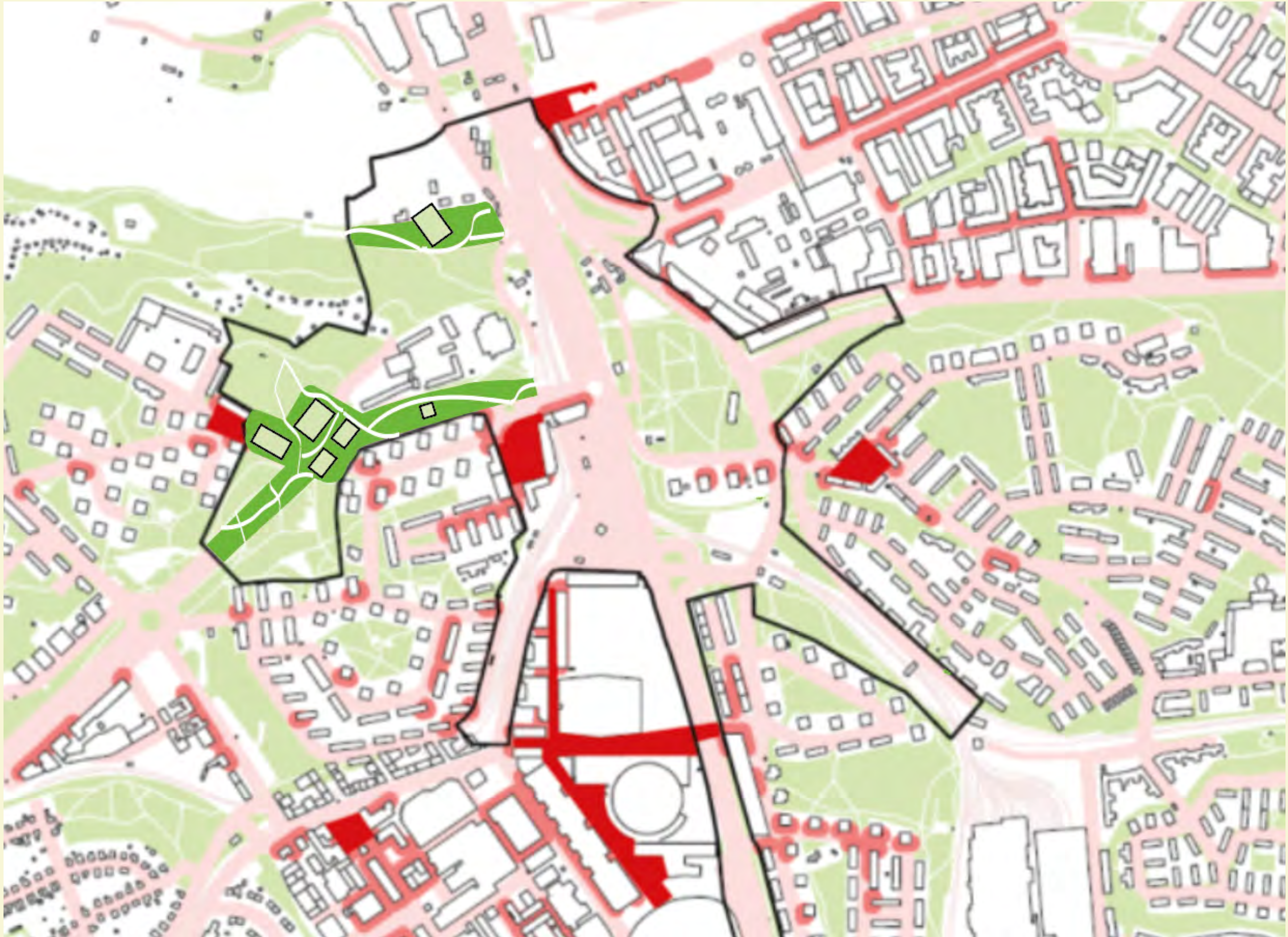
- Education programs
- Green roofs
- Local vertical artwork
- Improving existing underpasses
- Participatory platforms



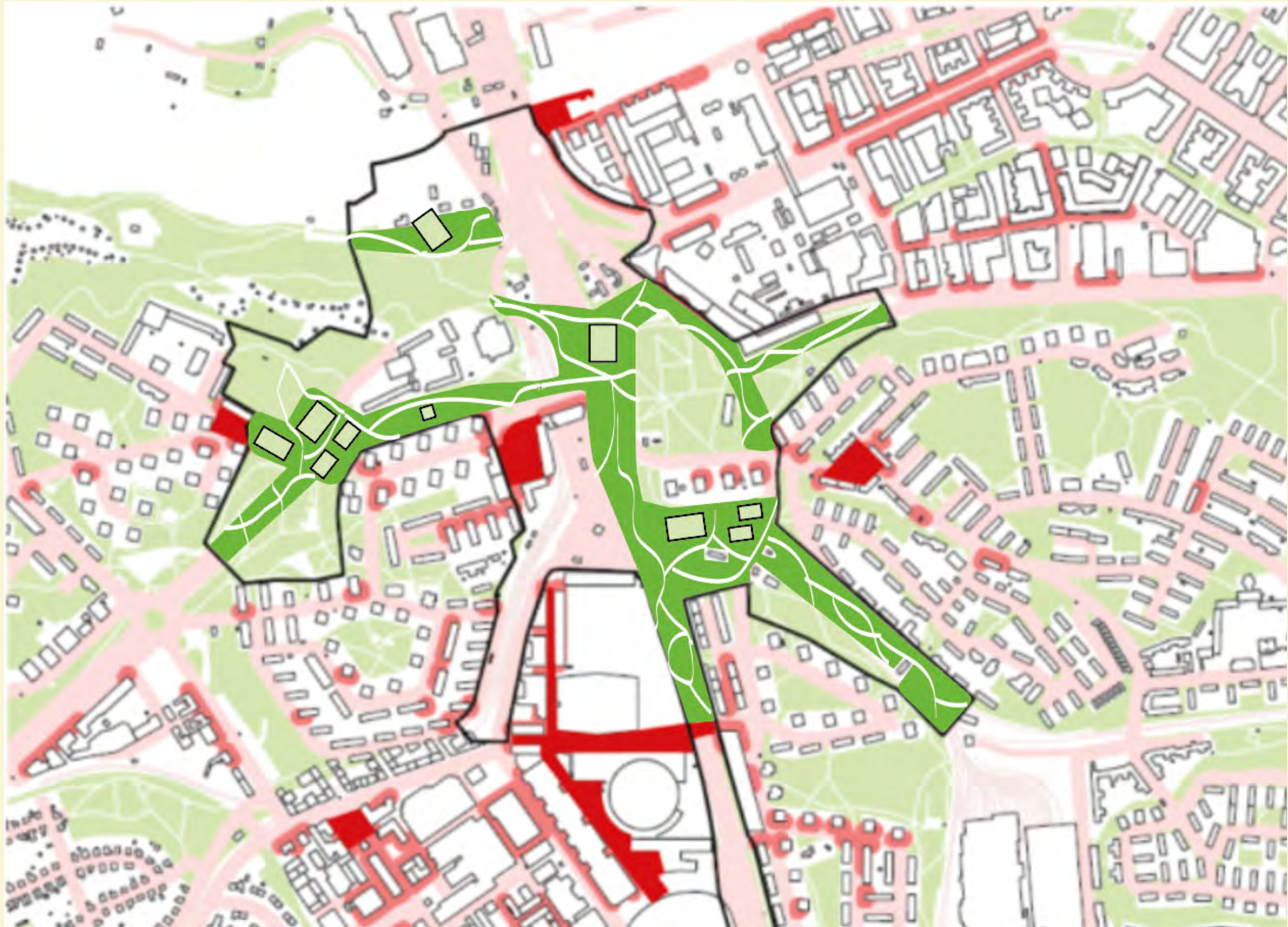
Existing Area



Phase 1



Phase 2



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