



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d'Arquitectura de Barcelona
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TECHNICAL DOSSIER

Title of the project Turku as an Organism
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Title of the course Green area planning
Academic year 2016-2017
Teaching Staff Juanjo Galan
Department/Section/Program of belonging Department of Architecture
University/School Aalto University

Written statement, short description of the project in English, no more than 250 words

The project "Turku as an organism" analyzed the different green types of the city. The work also studied the ecosystem services provided by green infrastructure of Turku. Moving further from traditional approach and considering both nature- and human-centric ecosystem services. Quality of green was measured by studying ecosystem services together with the quality and quantity of the green infrastructure. A green strategy was developed based on the analysis and findings. This strategy consisted of 2 levels – whole city and partial strategies for each urban fabric. To be a sustainable and resilient organism, the city must work both in its different parts and as a whole. The aim of the green strategy was to improve existing green infrastructure, create new if needed, and by this way increase the amount of ecosystem services too. The main and partial strategies are showed in action in the pilot site. These solutions will make Turku a better place for people and nature to live and be.

For further information

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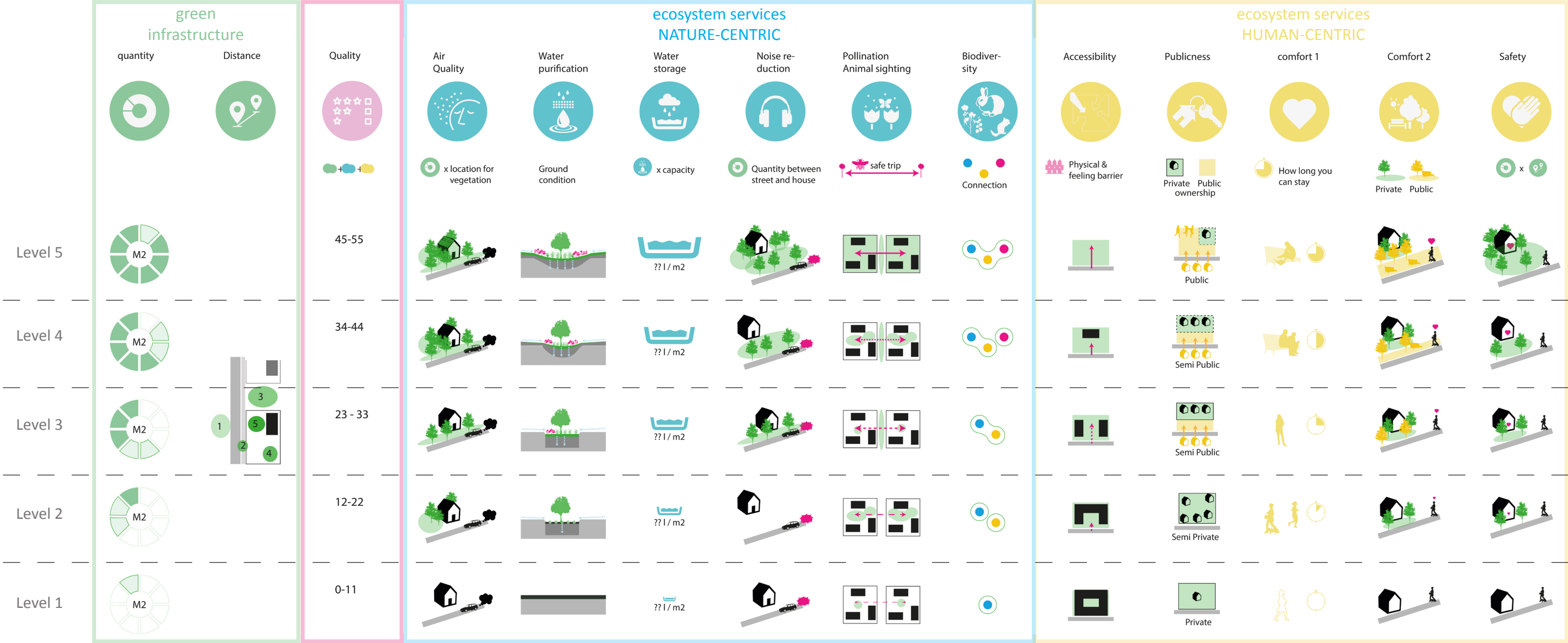
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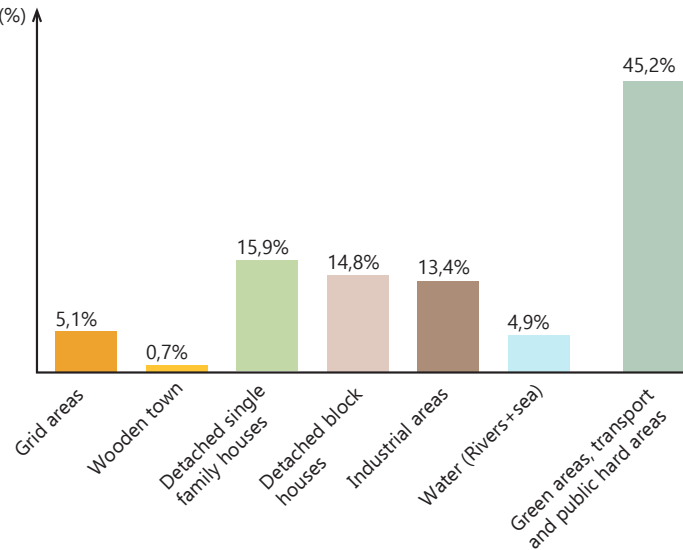
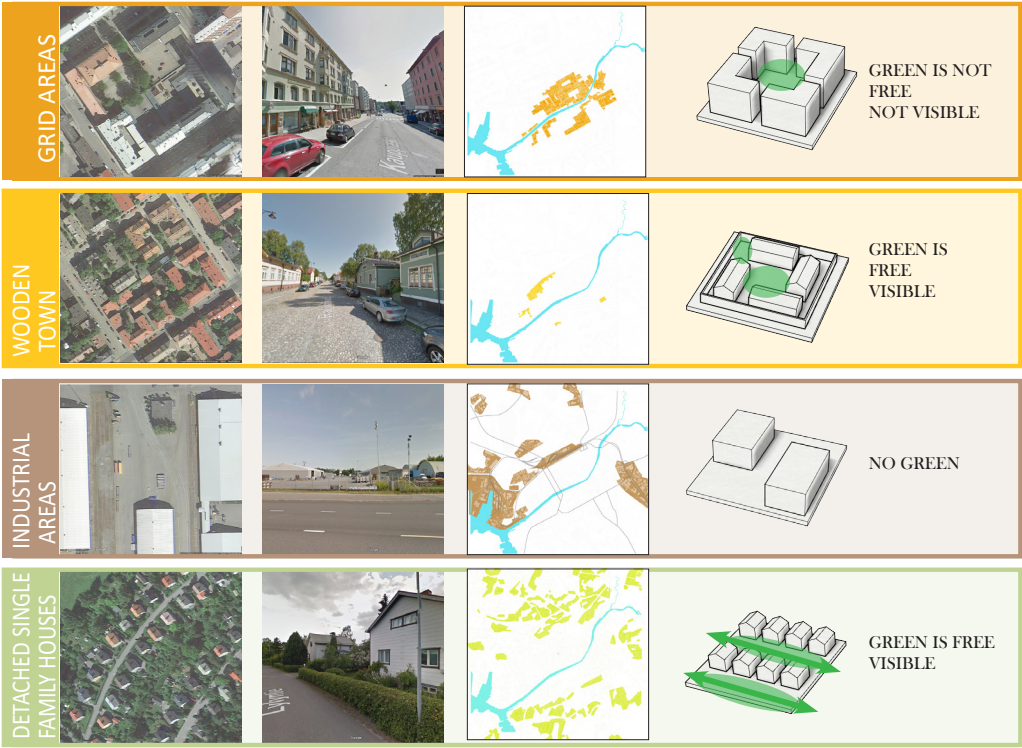
Consult the web page <http://landscape.coac.net/>

GREEN INFRASTRUCTURE, ECOSYSTEM SERVICES & QUALITY OF GREEN

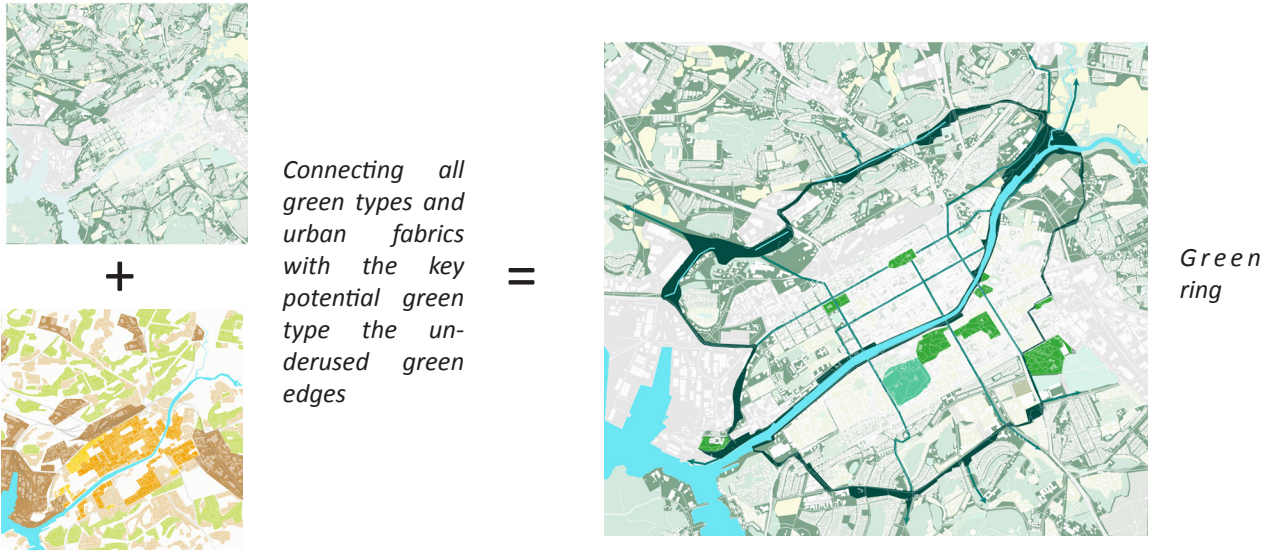
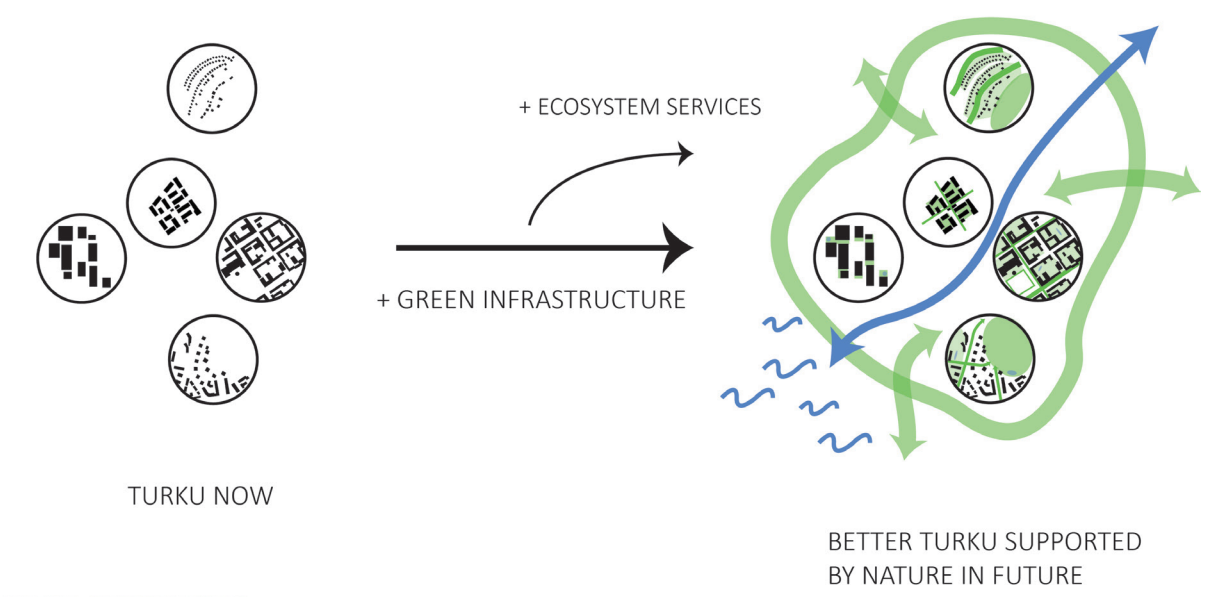
QUALITY OF GREEN based on GI & ES nature- and human-centric factors



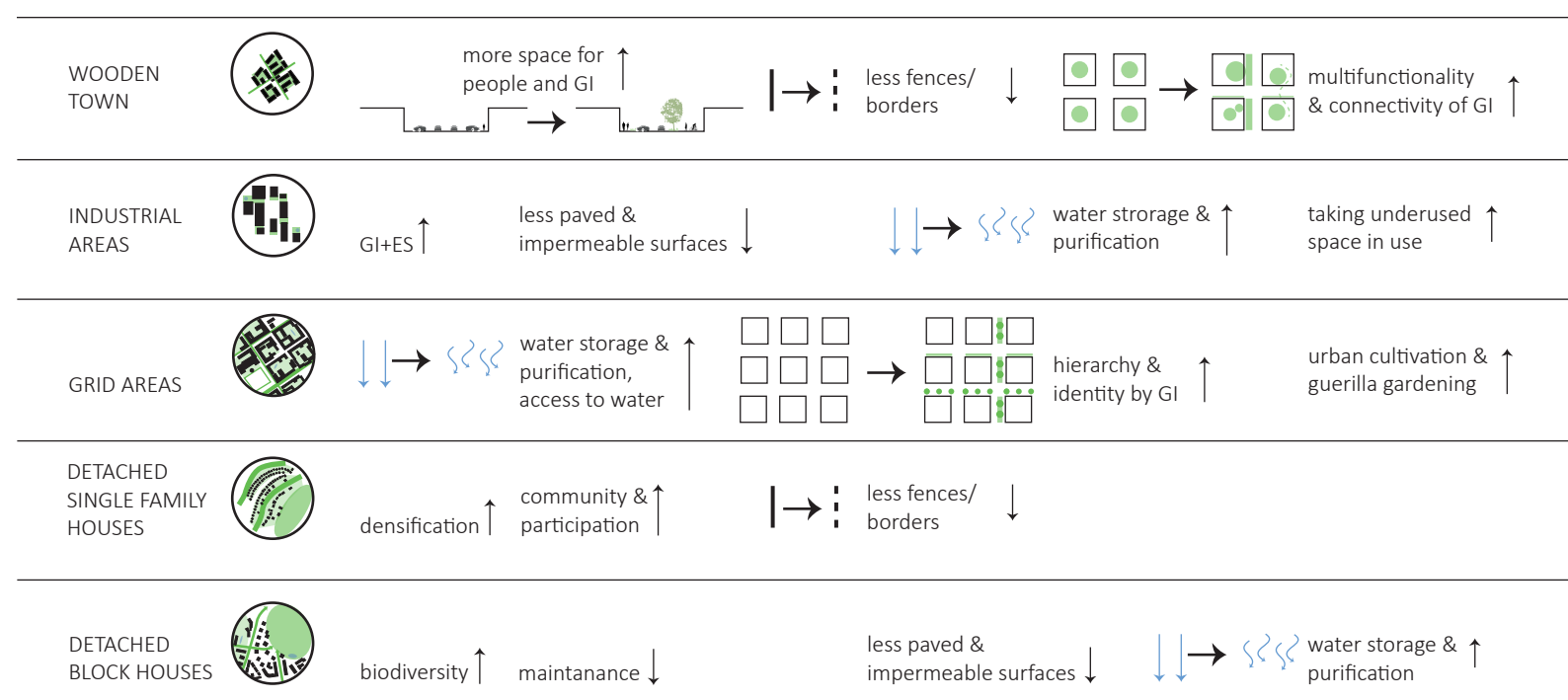
URBAN FABRICS



MAIN GREEN STRATEGY



PARTIAL GREEN STRATEGIES FOR URBAN FABRICS

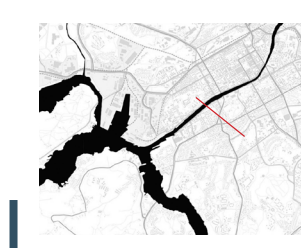
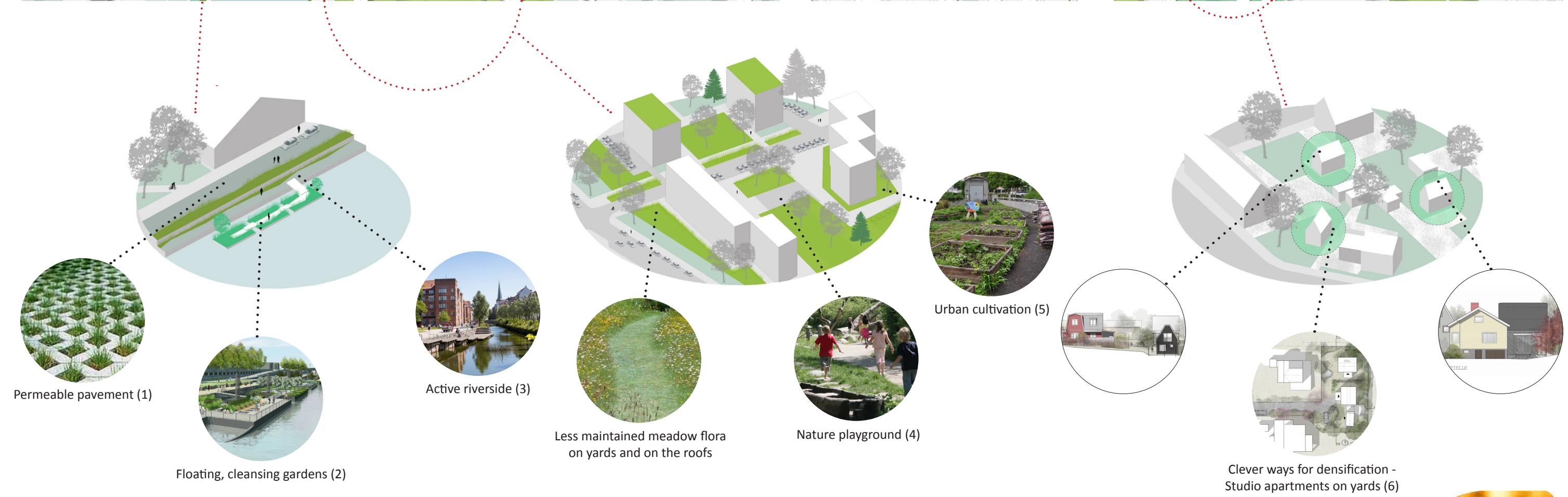


The strategy consists of 2 levels: Main and partial green strategies. Main green strategy connects all green types and urban fabrics with the key potential green type – the underused green edges. Green ring's 3 important aspects: green, water and society, for example it creates basis for green network and improves connections between scattered green types. Each of 5 different urban fabrics do have own potentials and problems because their distinctive characteristics. Therefore, those need individual partial green strategies that were conducted according to analysis of quality of green based on investigating green infrastructures and ecosystem services. Solutions are developed considering green, water and social point of view to find best solutions for each urban fabric.

With the green strategies Turku will be developed effectively to be better by nature's supports. All these improved urban fabrics including multiple green types create together the city of Turku which will be better – having greater quantity and quality of green infrastructures and thereby providing also more ecosystem services because it is using nature in a wiser and more effective way. The solutions will make Turku a working organism and a better place for people and nature to live and be.

CONCLUSION

	GRID AREAS	WOODEN TOWN	INDUSTRIAL AREAS	DETACHED SINGLE FAMILY HOUSES	DETACHED BLOCK HOUSES
Quantity	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Distance	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Accessibility	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Publicness	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Green connection	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Biodiversity	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■



- Image references
1. (http://4.bp.blogspot.com/_Vb2veVF7kUk/S8zW1myz9vi/AAAAAAAAARo/8WckU2CnSBQ/s1600/beautiful-grassy-pavers.jpg)
 2. JC Choblet (<http://www.apur.org/en/article/seine-embankment-floating-garden-taking-shape>)
 3. Monocle Issue 87 Dock star (<https://monocle.com/magazine/issues/87/dock-star>)
 4. Helle Nebelong (<http://www.hellenebelong.com/?portfolio=nature-playground>)
 5. Mitchercodesign (<http://mitchercodesign.wordpress.com/>)
 6. Yksiö puutarhassa (<http://yksiöpuutarhassa.fi/category/ajankohtaista>)