

Climate-neutral Tallinn

Tallinn Sustainable
Energy and Climate
Action Plan 2030



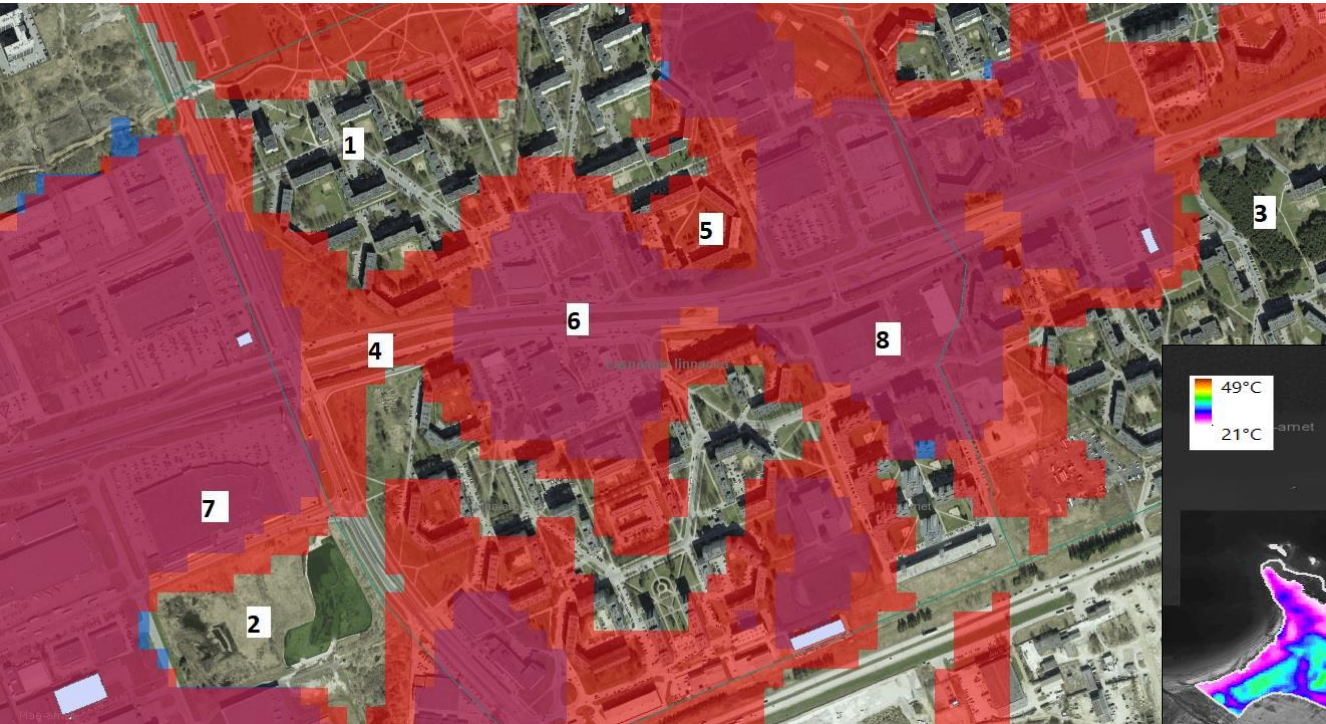
Climate adaptation activities in Tallinn

Airi Andresson
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Tallinn Strategic Management Office

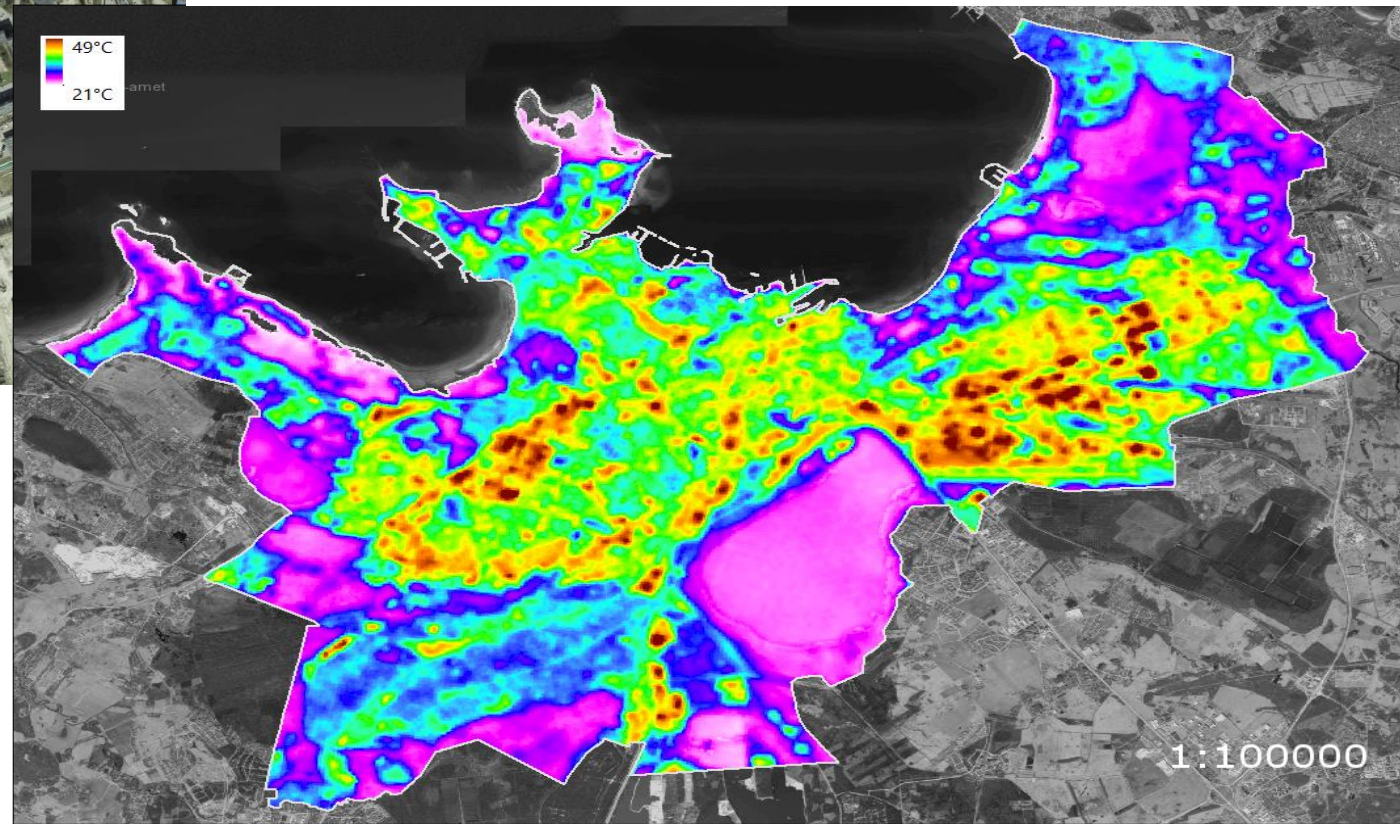
CLIMATE RISK	EXISTING RISK		FUTURE RISK		TIME OF MANIFESTATION
	Probability of manifestation	Extent of impact	Expected change in intensity	Expected change in frequency	
Heat wave	Medium	Medium			2020
Cold wave	Low	Low			2020
Sea level rise	Low	Low			2030
Storm surge	Low	Low			2030
Heavy rainfall	Medium	Medium			2020
Flood due to showers	Medium	Medium			2020
Storm	Medium	Medium			2020
Strong wind	Medium	Medium			2020
Drought and water scarcity	Low	Low			2030
Seawater intrusion into groundwater aquifers	Low	Medium			2030
Forest fire	Low	Low			2020
Vector prevalence	Medium	Medium			2020

Future risk: Growing Decreasing No change Change unknown

CHALLENGE: EXCESS HEAT



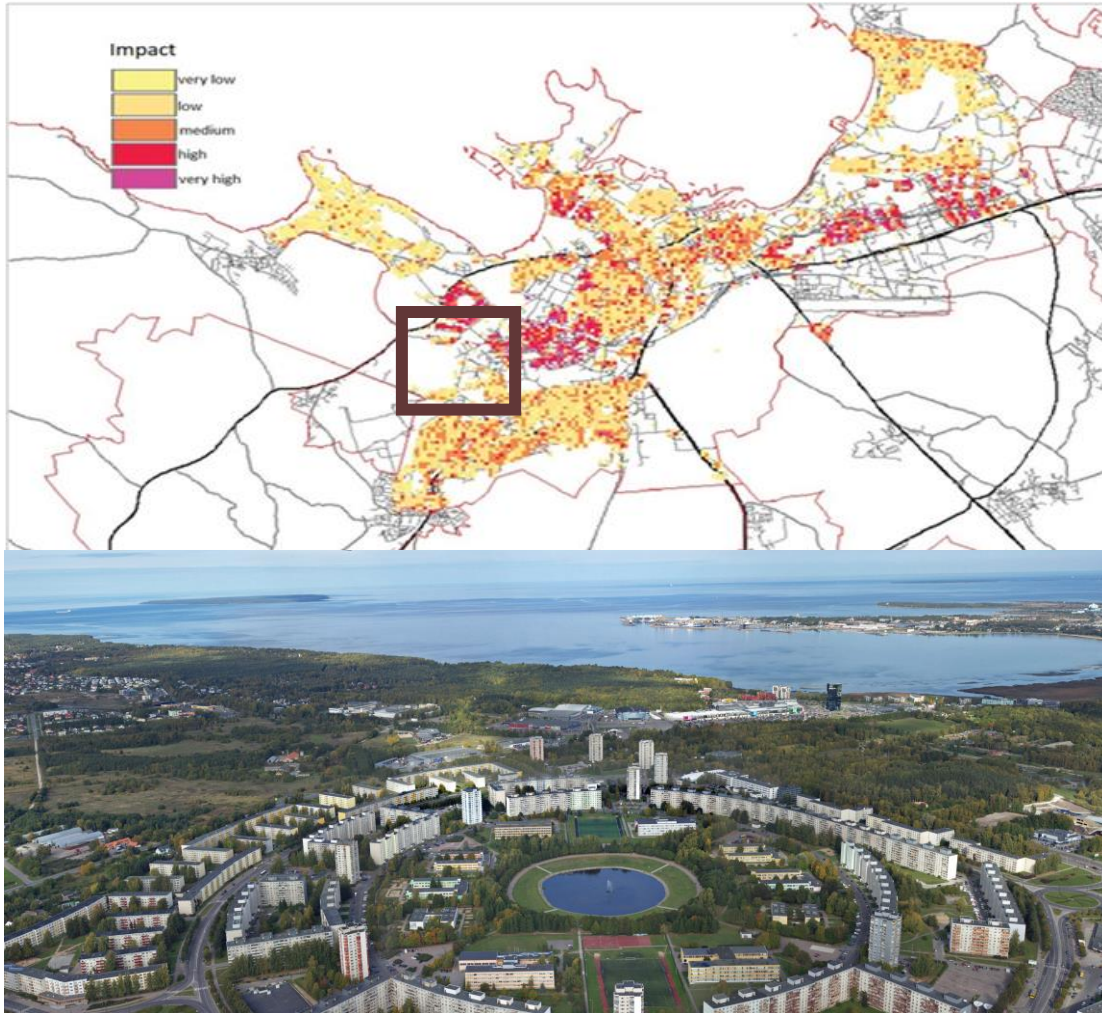
We need more targeted information about heat-islands.



[vt Tallinna soojusaarte kaardistus 2021. aastal](#)

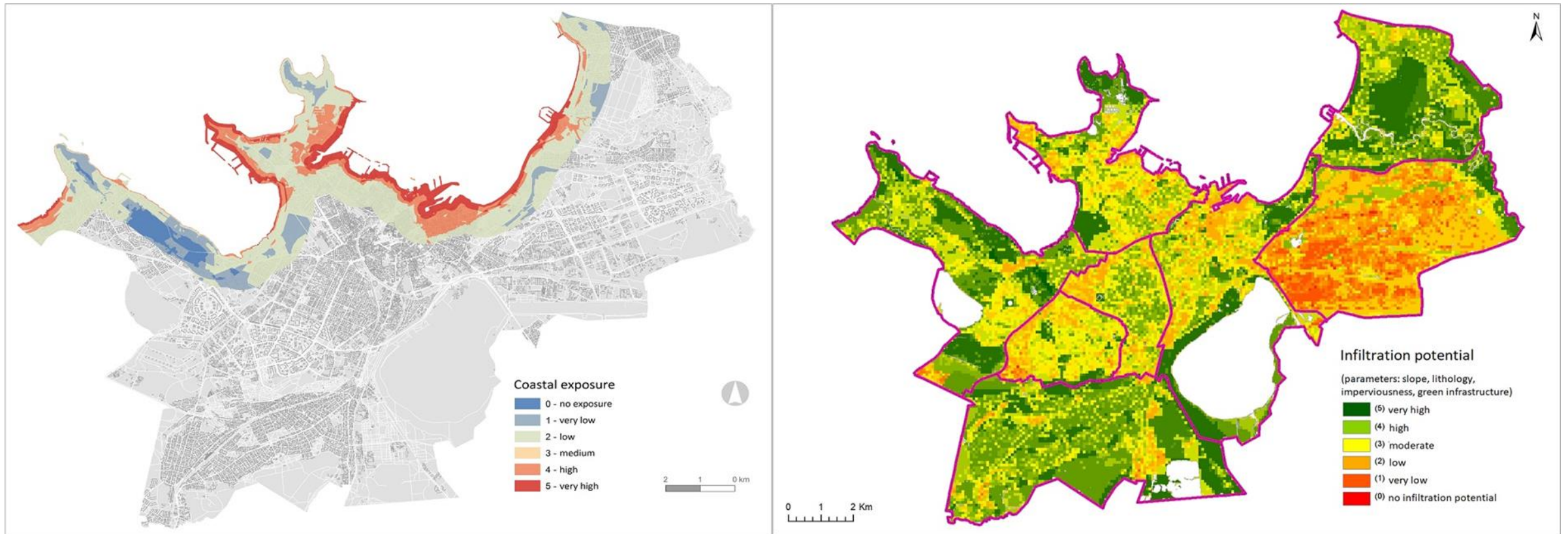


Tallinn Pilot Area of EU Knowing project



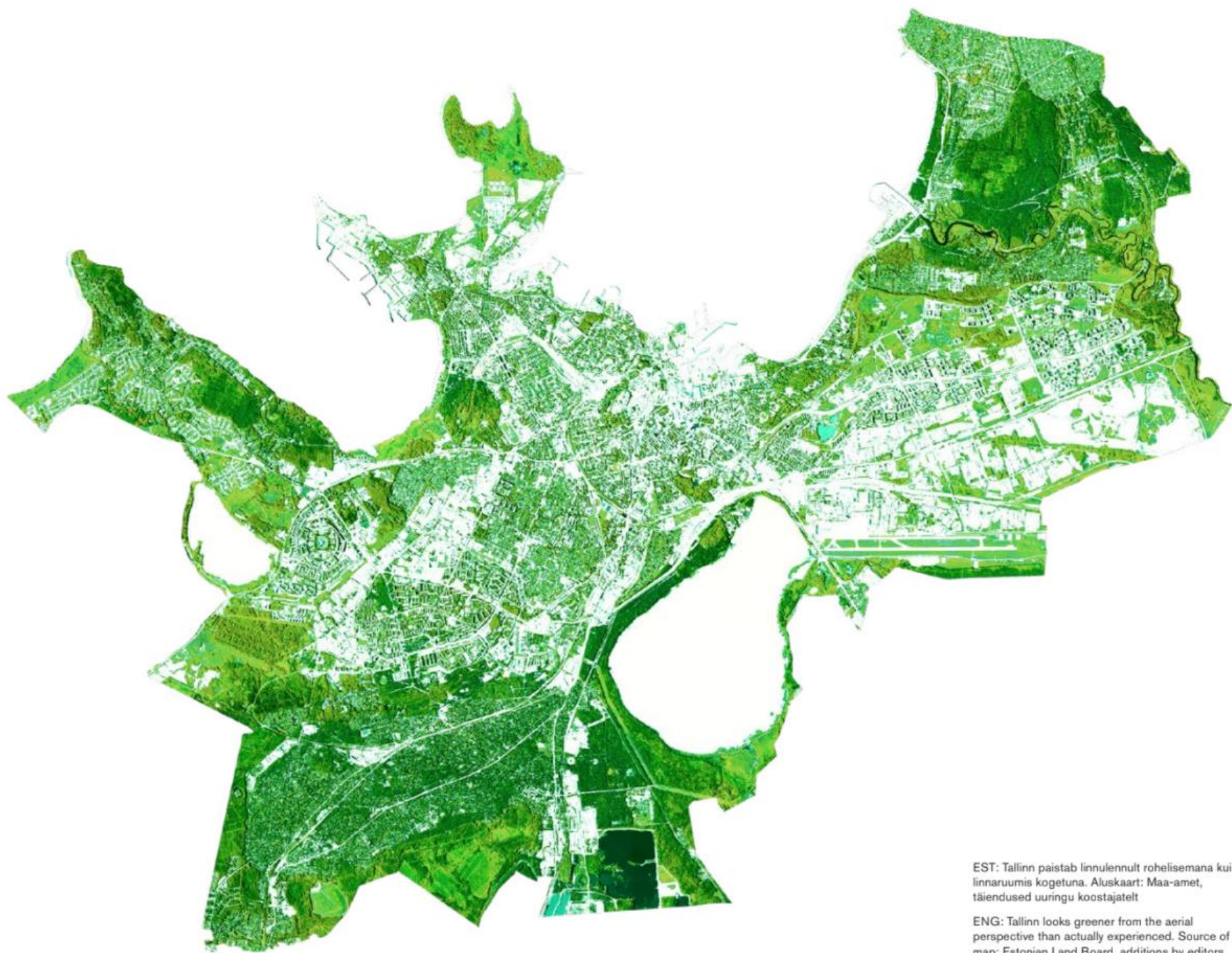
- For mitigating risks of heat islands and heatwaves and increasing awareness and coping skills.
- Pilot demonstration area in a soviet-time neighbourhood.

CHALLENGE: STORMS AND EXCESS WATER

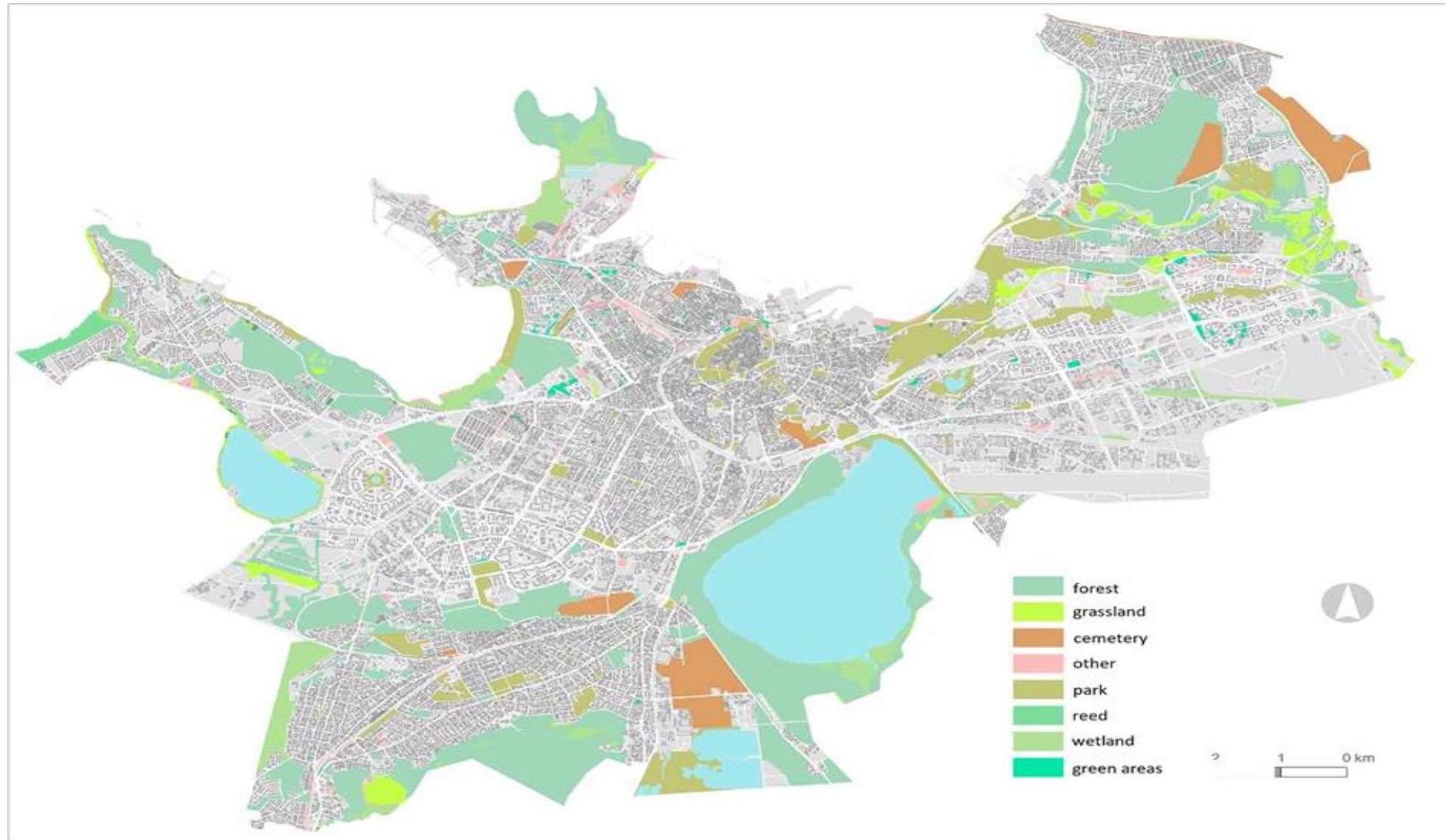


More nature-based solutions and less paved areas

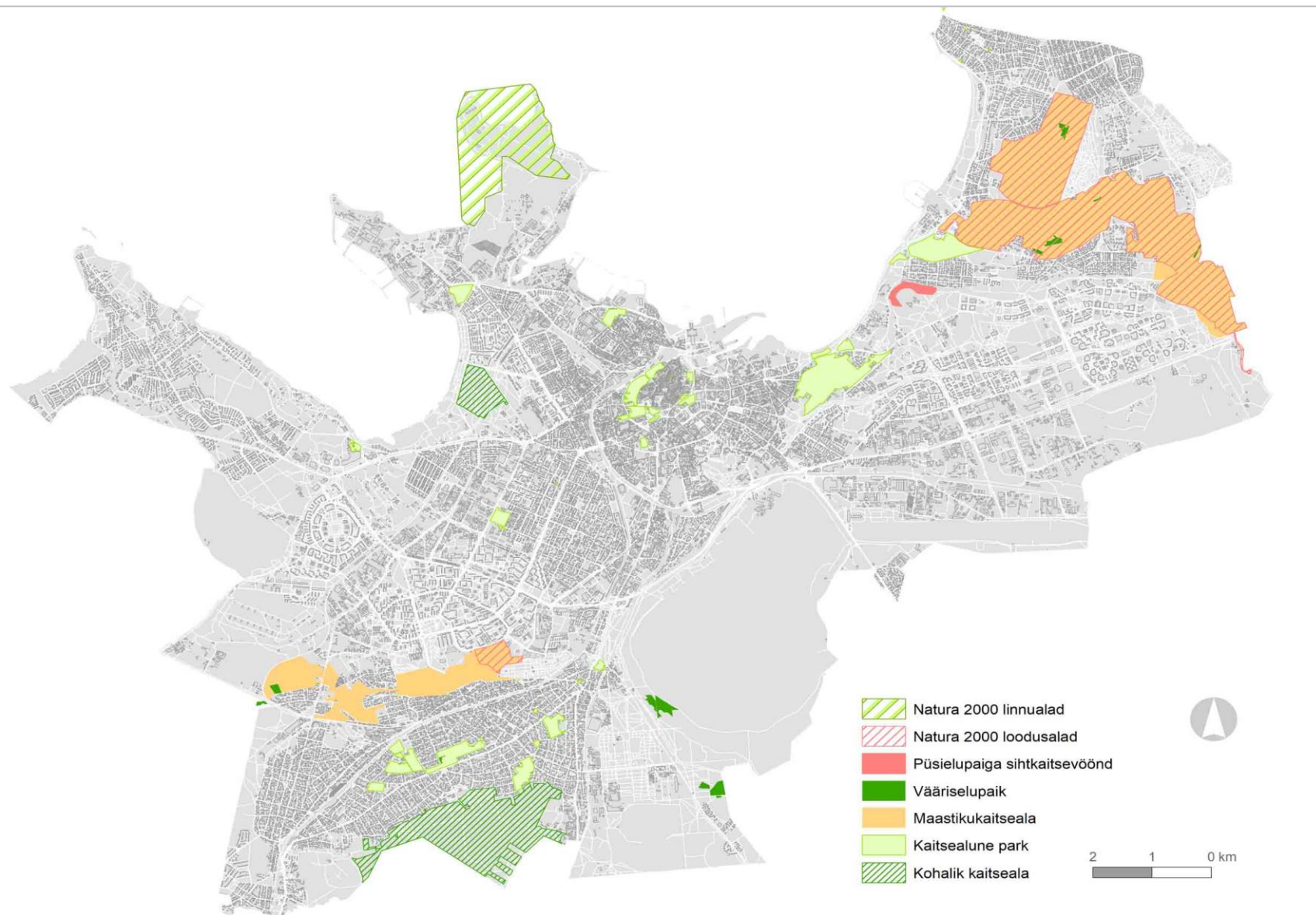




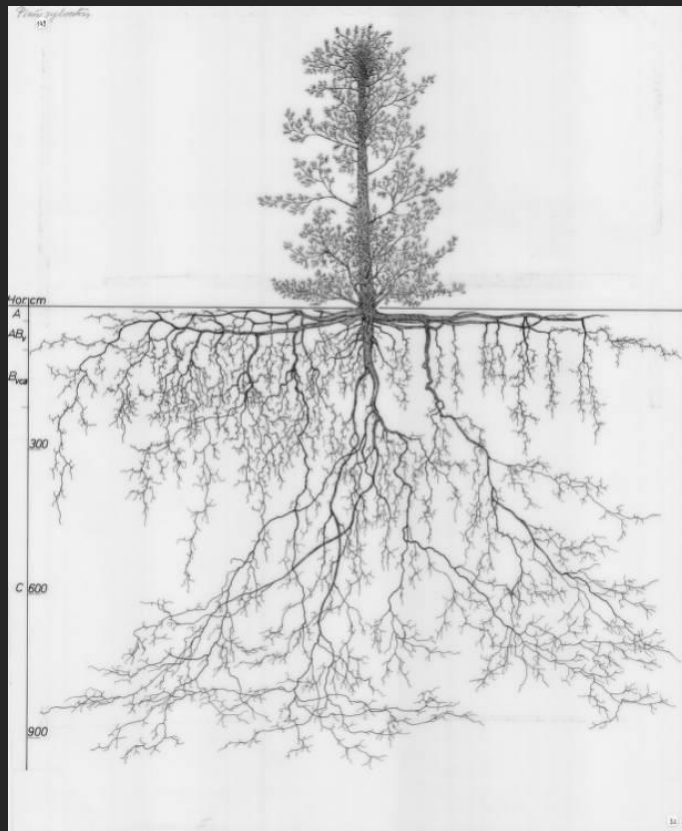
CHALLENGE: FRAGMENTATION OF GREEN AREAS



Protected areas in Tallinn



DILEMMAS WITH TREES



An example of use of the underground street space.
(Picture source: RWE-Magazin June 2006, modified by K. Schröder)



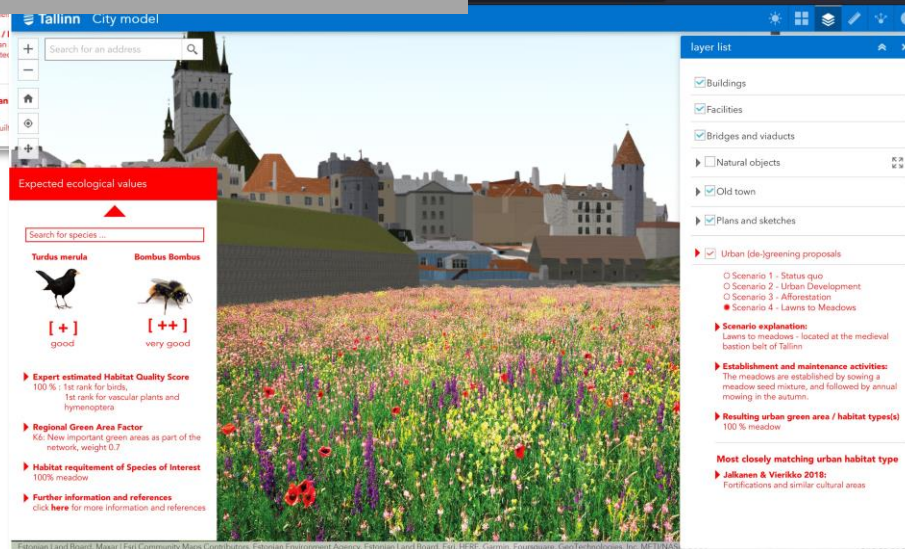
sponge city principle: use of the underground street space

Green Digital Twin

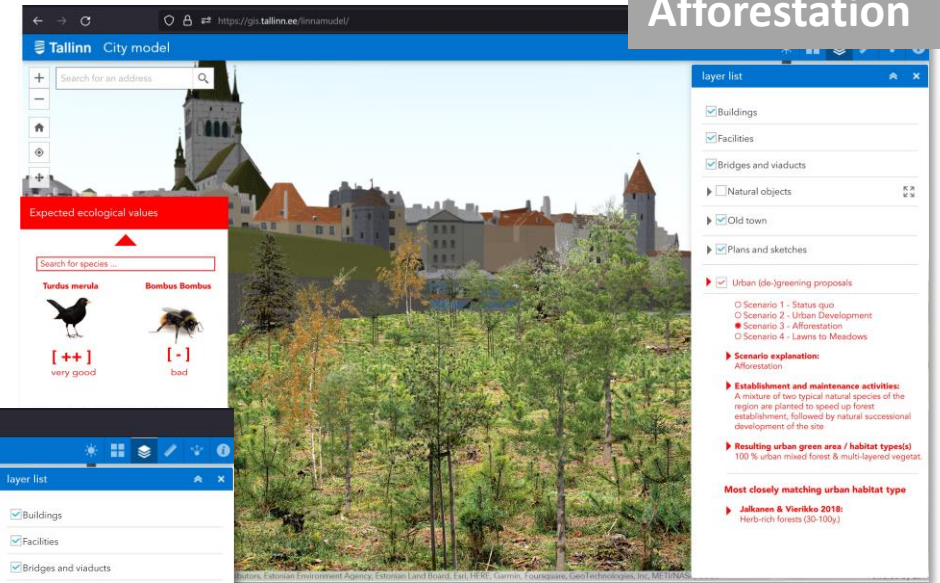
Dense Urban Development



Lawns to Meadows

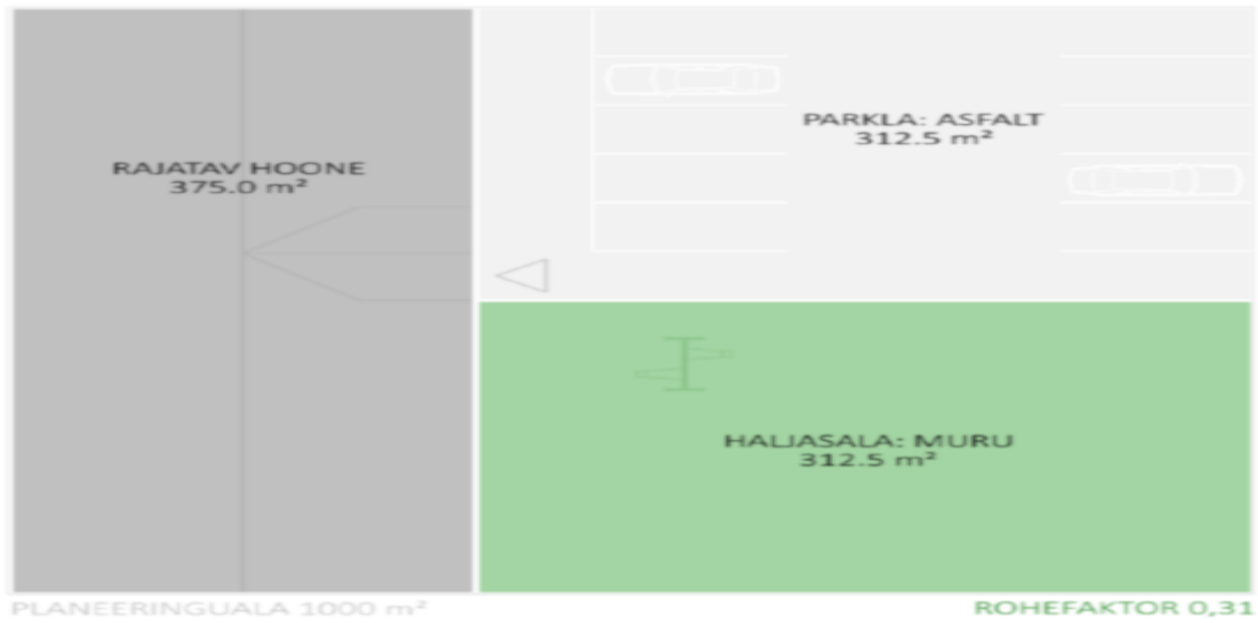


Afforestation



Images: Laura Mroska, Henna Fabritius

TALLINN's Green Area Factor



Action Plan Tallinn 2035 foresees that by 2035 Tallinn has retained at least 65% of natural soil layer.

