



2022 - 2027

**DEVELOPING AND DEMONSTRATING PORTFOLIO OF NATURE BASED AND SMART SOLUTIONS  
FOR IMPROVING URBAN CLIMATE RESILIENCE IN LATVIA AND ESTONIA**

LIFE sub-programme Climate Action  
Call: LIFE-2021-SAP-CLIMA  
Project Nr. 101074438



Co-funded by  
the European Union



REPUBLIC OF ESTONIA  
MINISTRY OF THE ENVIRONMENT



State Regional  
Development Agency  
Republic of Latvia

LIFE21-CCA-EE-LIFE LATESTadapt



VIIMSI  
VALLAVALITSUS



Ministry of Environmental  
Protection and Regional  
Development  
Republic of Latvia



BEF  
ESTONIA



BEF  
LATVIA



HAAPSALU  
1279



VÕRU

Rakvere linn

NARVA

VALMIERA



RĪGA

cēsis

VALMIERA

TALLINN UNIVERSITY OF  
TECHNOLOGY



RIGA TECHNICAL  
UNIVERSITY

nordicbotanical



BALTĪJAS KRĀSTI



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# Project LIFE LATESTadapt: Introduction

13.06.2023

Tanel Mätlik, Viimsi Municipality

A small green seedling with several leaves is growing out of a crack in a dark asphalt surface. The background is a soft, out-of-focus light color.

# Objectives & Scope

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- Overall objective - to increase resilience of Estonian and Latvian urban areas to extreme weather events, by focusing on 4 specific objectives:
  - **nature-based solutions** – greening, water infiltration, collection and (re)use, storm water, nature inspired environment
  - **digital change** – integrated decision support system to prevent/respond to floods
  - **quality of planning** – new urban green infrastructure plans
  - **engaged communities and skilled enablers** – workshops, training sessions and events, articles, leaflets, kids' education programmes, etc

# Demand driven approach - cities leading the change

.Viimsi  
Haapsalu  
Rakvere  
Võru  
Narva



Valmiera  
Riga  
Cesis

**Innovation partnership**

**DIGITAL**  
TAL TECH  
INSTITUTE FOR ENVIRONMENTAL SOLUTIONS  
RTU  
DIGITAL  
RESEARCH CENTER  
UNIVERSITY OF TARTU

**NBS**  
BEF  
nordicbotanica  
RESEARCH CENTER  
UNIVERSITY OF TARTU

**Monitoring partners**

TAL TECH  
nordicbotanica

**Awareness partners  
Replications partners**

BEF  
BEF

Capacity of cities to replicate the solutions

# Approach

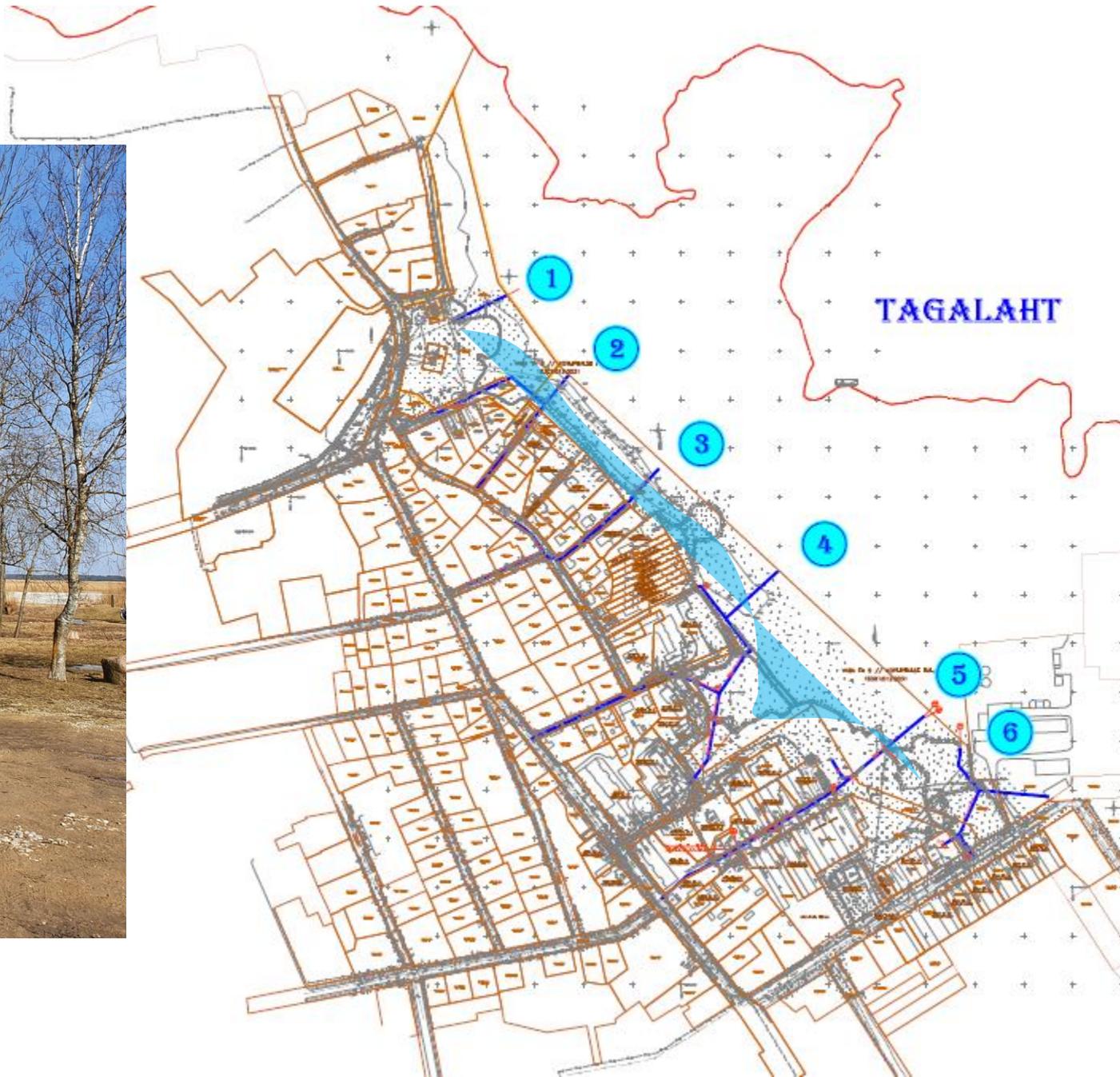
innovation for improving the climate resilience – joint development and testing by municipalities, universities/research, NGOs and SMEs

strong cross-border co-operation – implemented by 8 Latvian and 8 Estonian beneficiaries

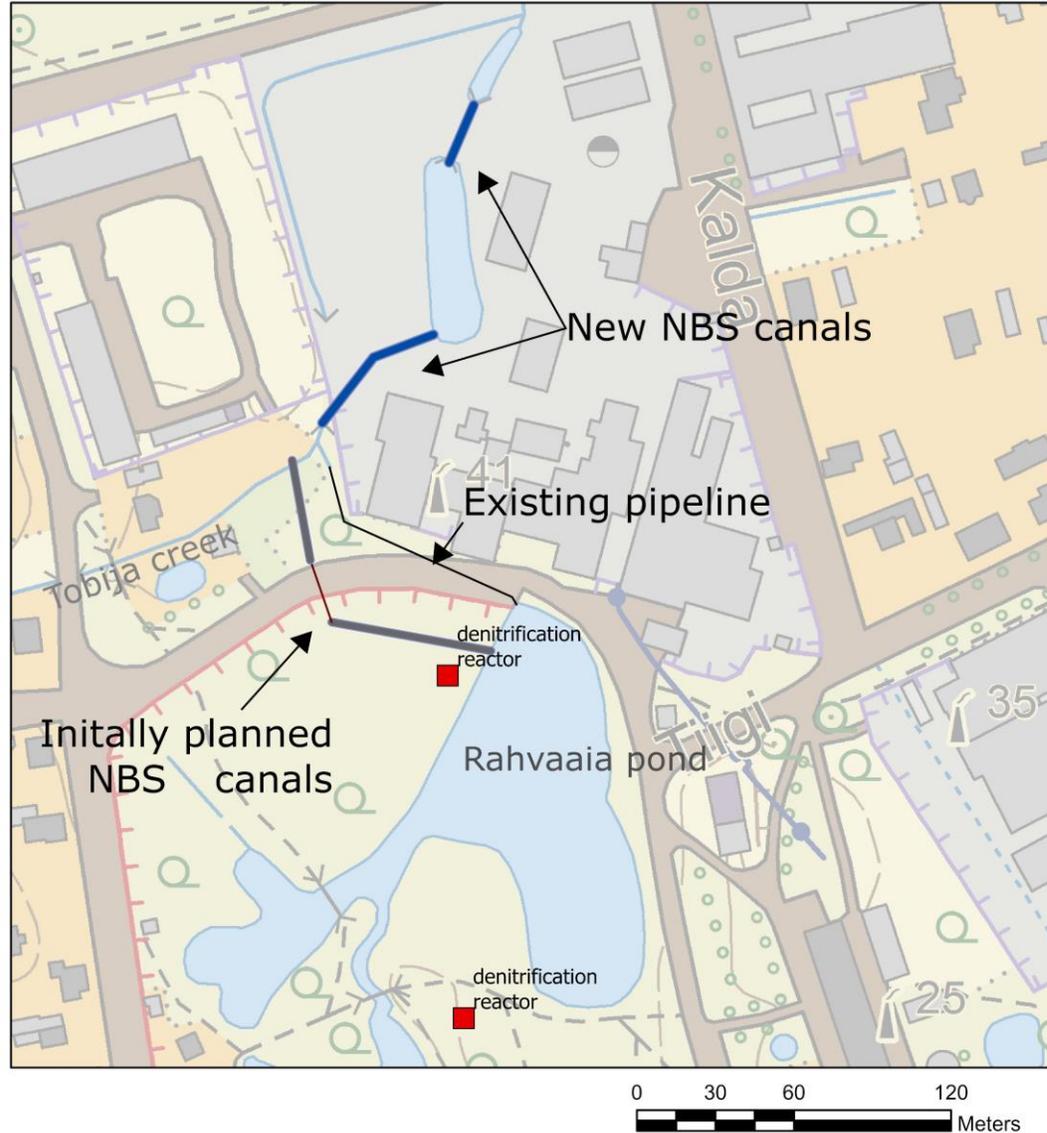
wide coverage – demo sites in 8 municipalities:



# Haapsalu demo site



# Rakvere demo site



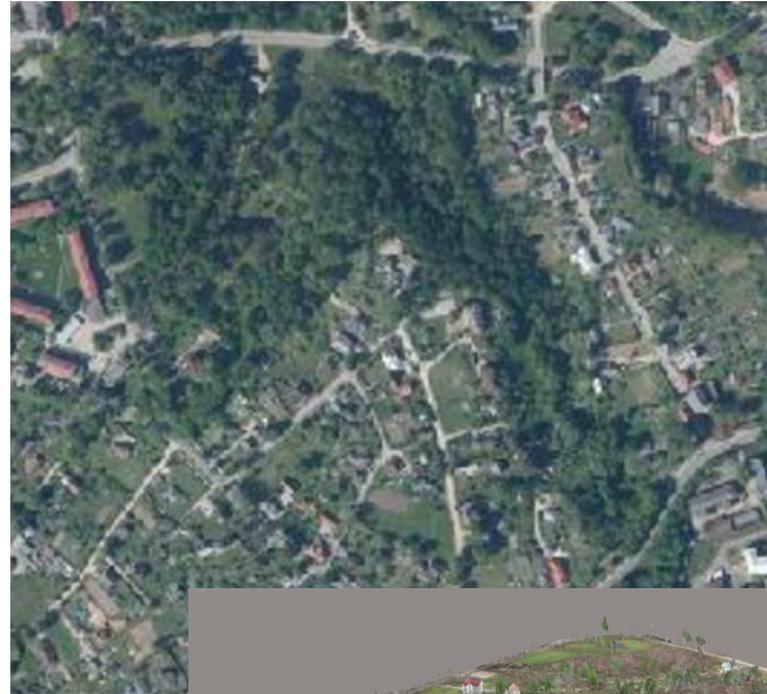
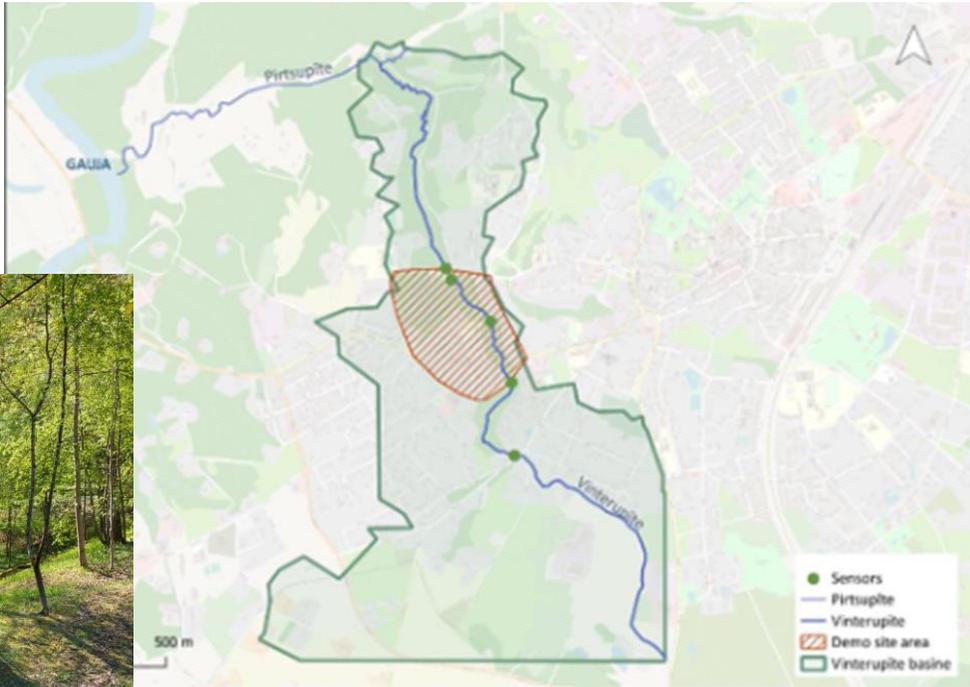
# Viimsi demo site



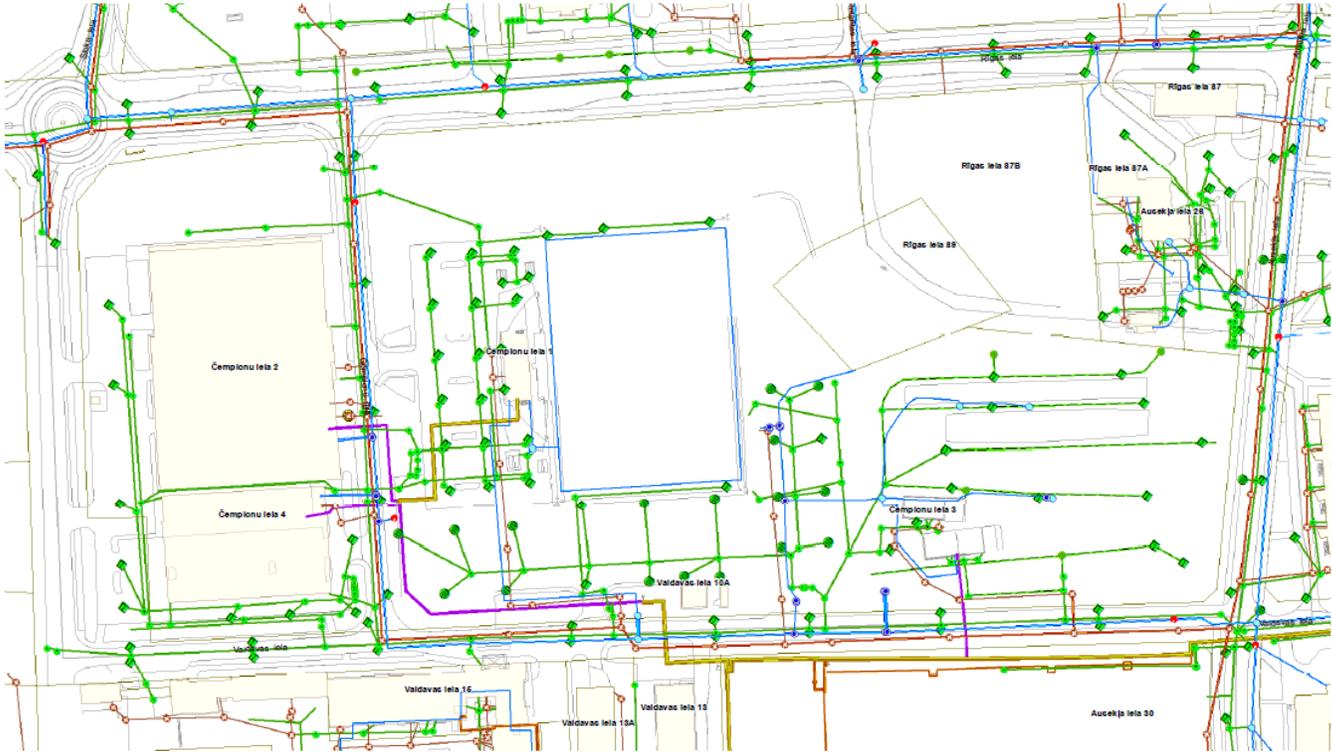
# Võru demo site



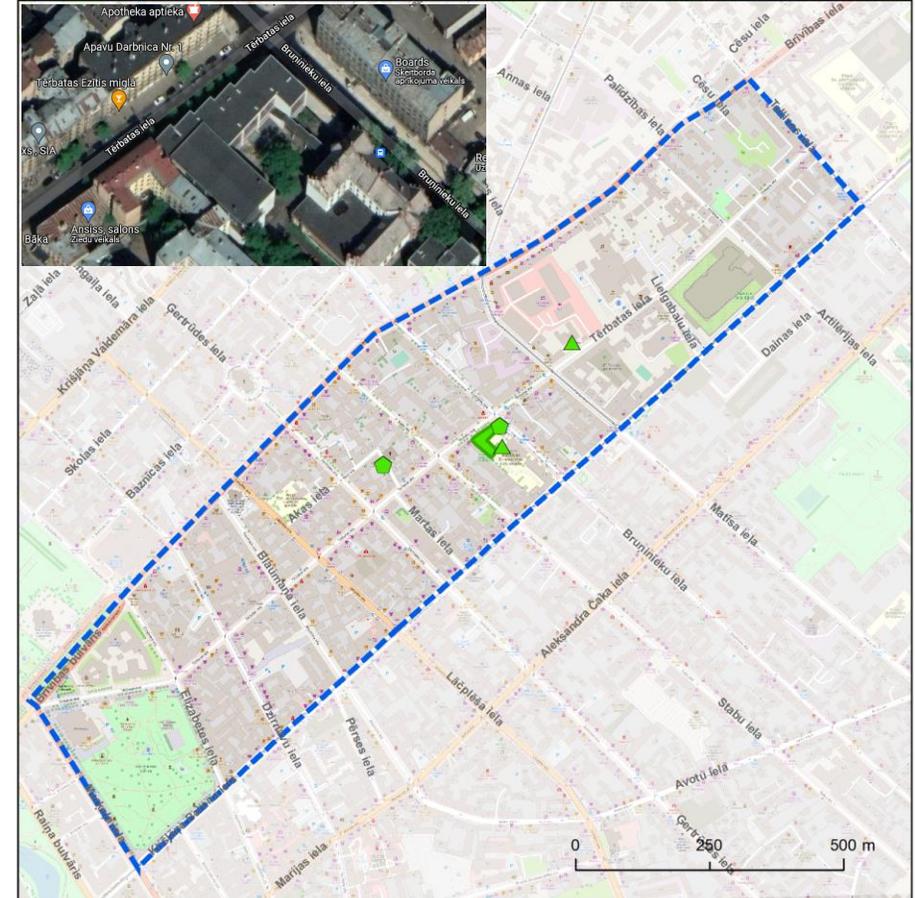
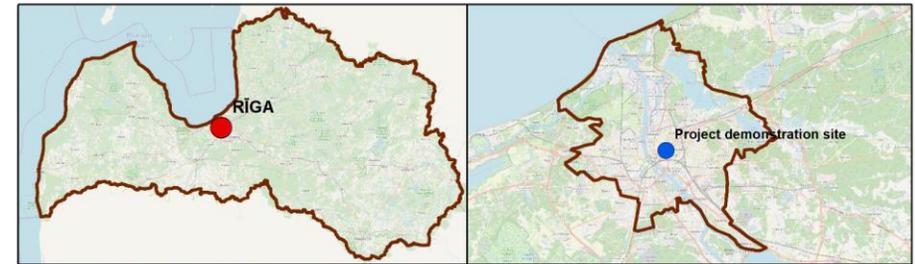
# Cesis pilot site



# Valmiera pilot site



# Riga pilot site



## Legend

- Green wall
- Rain garden
- Green roof
- Project demonstration site border

# Continuation after 2027

- flood resilience solutions with real-time monitoring will become integral part of urban infrastructure in other EE and LV local governments
- nature-based solutions (NBS) shall be set up as part of municipalities storm water management infrastructure
- developed methodology of assessment of green infrastructure (GI)/nature-based solutions (NBS) in territories of municipalities and development of urban thematic GI plans will be replicated in other Latvian and Estonian municipalities
- knowledge on planning, implementation and maintenance of NBS increased significantly among engineers, construction project designers, municipal specialists, local inhabitants



Thank you!  
Questions/ Comments?



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