

**Interreg**



**Co-funded by  
the European Union**

**Central Baltic Programme**

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**MUSTBE**

# Interreg CB MUSTBE

## 2/2

Siim Reinla

Ehitus- ja kommunaalosakond



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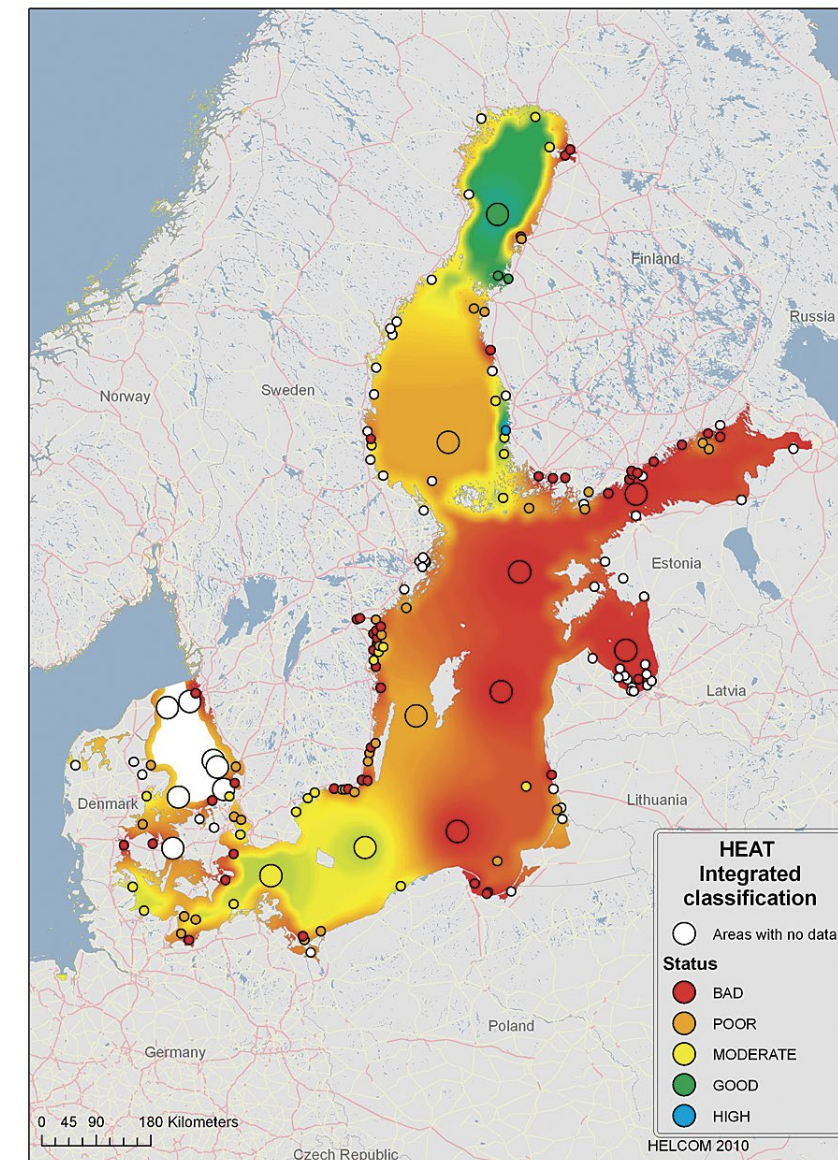
# The MUSTBE Project

## Multidimensional Stormwater Treatment in urban areas for cleaner Baltic SEA

- Funded by Interreg Central Baltic
- Duration – 36 months
- Budget – 3,9 MEUR. ERDF 80%, self-contribution 20%

## Challenge:

- Project aims to improve health of the Baltic Sea by Treating stormwater
  - Climate change
  - Densification of urban areas
  - Aging infrastructure
  - Lack of available solutions
    - Treatment
    - Digital



# Partnership



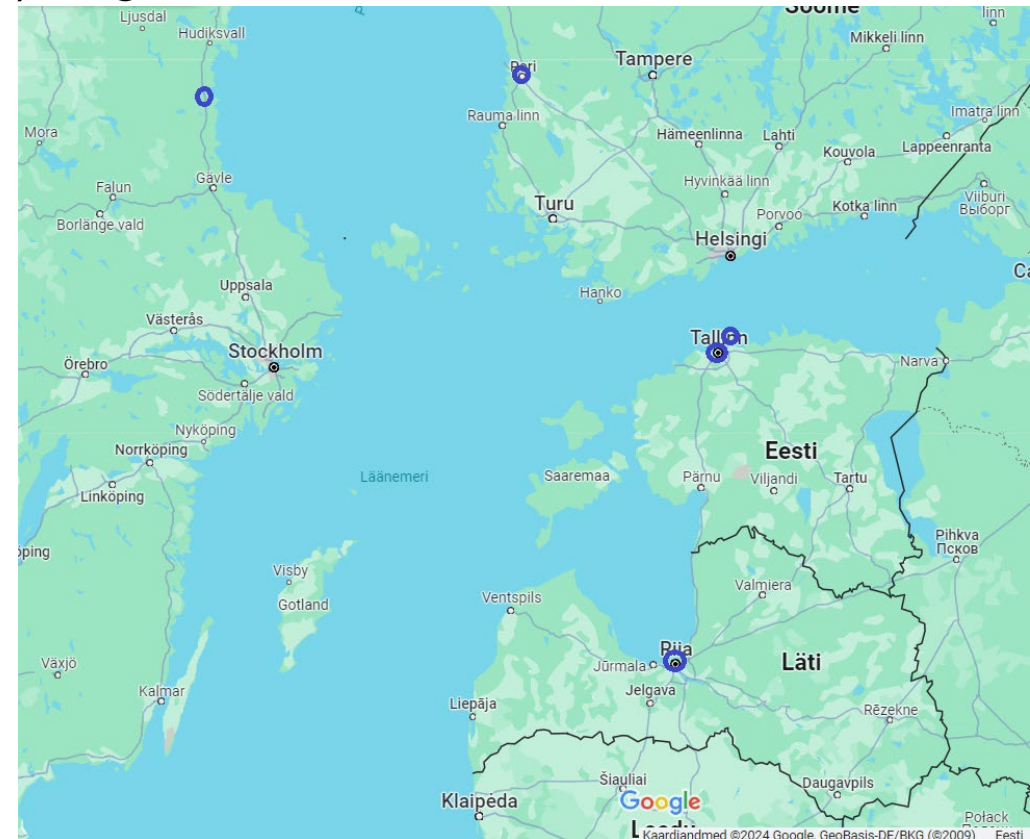
Lead partner: Viimsi

Demo site owners: Viimsi, Tallinn, Söderhamn (2), Pori (2), Riga,

Technical support and know how: TalTech, SAMK, RTU

Communication and dissemination of results: SAMK

Follow up project to Interreg CB CleanStormWater



# Expected results

- Construction of 7 pilot sites
- Decrease of pollutants reaching the Baltic Sea
- Increasing awareness of target groups and stakeholders
- Decrease of flooding risk
- More resilient urban environment
- Reuse of stormwater
- Data-based decision making and real time control



Substance:	Suspended solids	Nitrogen	Pathogens (e-coli)	Hydrocarbons (oil products)	Metals
Reduction:	60%	30%	60%	50%	40%

# WP1 – analysis and design

- Development of GIS database
- Field surveys
- Multi-objective analysis of the technical solutions for stormwater treatment
- Design of the solutions and of online monitoring system
- Maintenance program for designed NBS
- Experience exchange and modern communication tools of MUSTBE in WP1

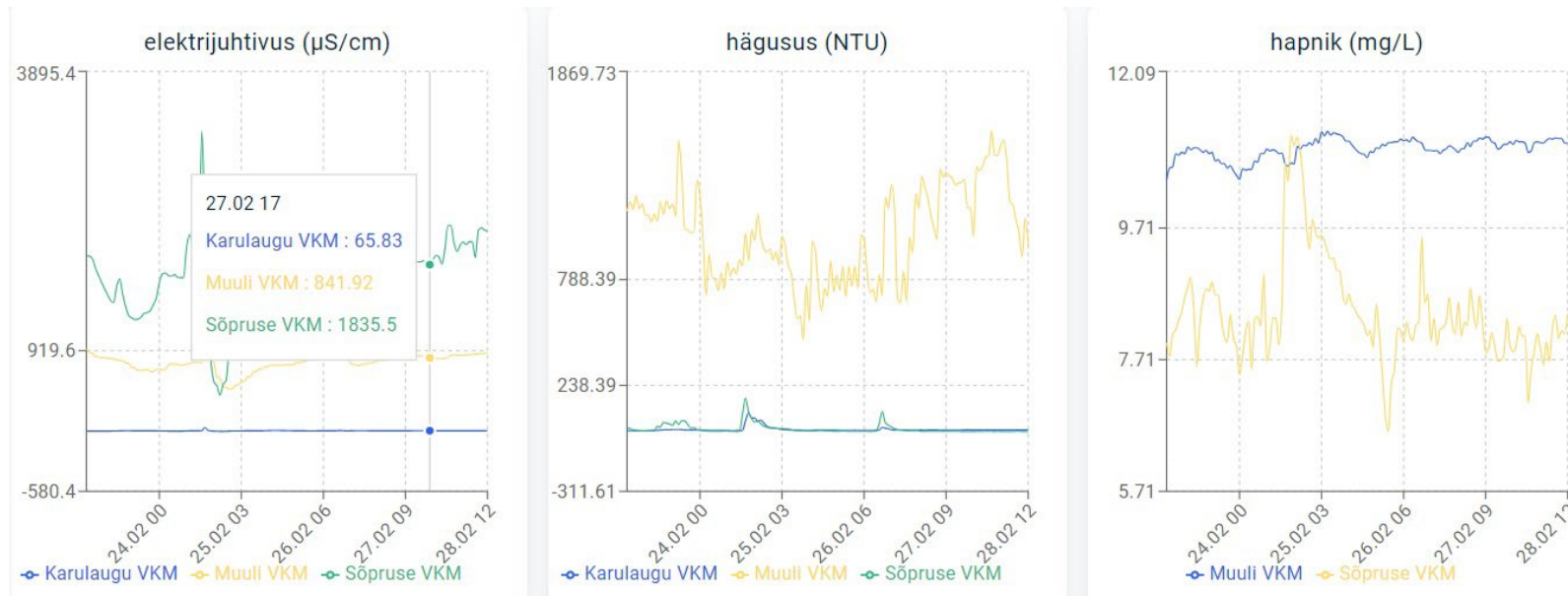


# WP2 – Installation of New Solutions

- Preparation of construction procurement documentations of pilot site
- Construction of Viimsi pilot site
- Construction of Tallinn pilot site
- Construction of Pori pilot sites 1 and 2
- Construction of Riga pilot site
- Construction of Söderhamn pilot sites 1 and 2
- Experience exchange and modern communication tools of MUSTBE in WP2

# WP3 – Monitoring of Pilot Investments

- Development of monitoring programme
- Initial water quality baseline establishment
- Monitoring of NBS efficiency
- Data presentation in online monitoring systems
- Experience exchange and modern communication tools of MUSTBE in WP3





# Kiitos!



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