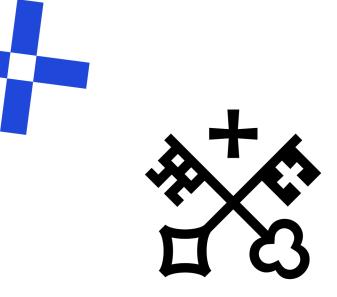


Project progress of the MUSTBE pilot site in Riga

Tallinn, 06.03.2024.

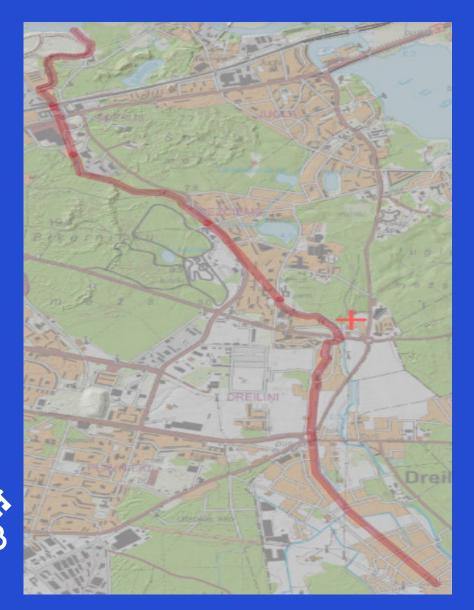




Co-funded by the European Union

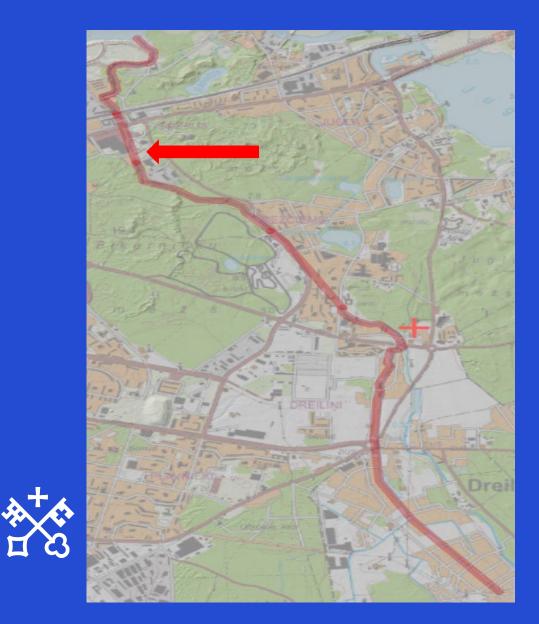
Central Baltic Programme

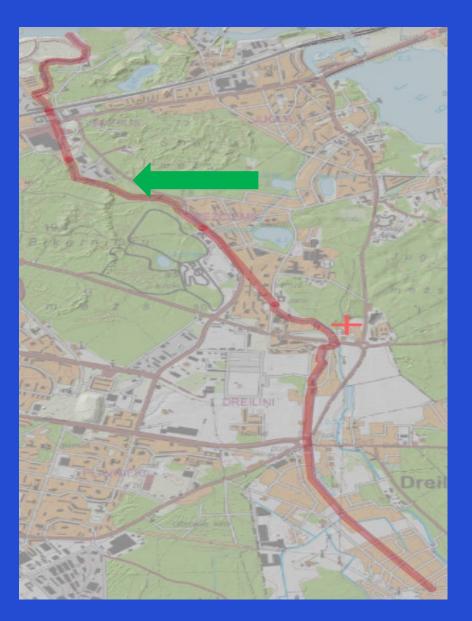
Pilot location



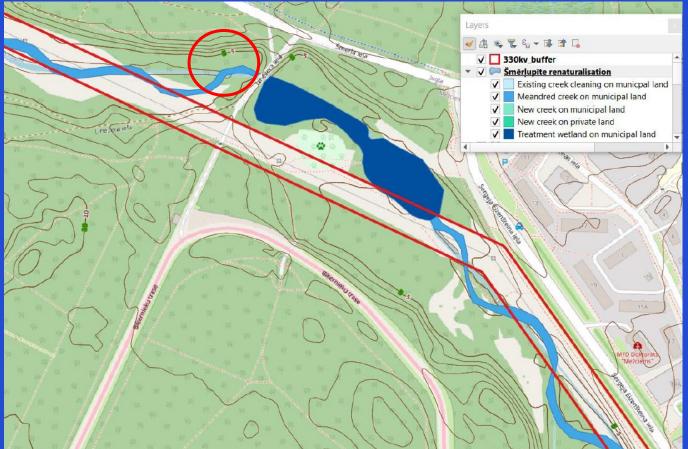
- Smerlupite or Šmerļupīte (Smerla river)
- Total length 7 km (Total 12 km)
- Surrounding mixed areas green spaces and densely built areas
- Šmerļupīte is straightened during the melioration process
- Parts of the Šmerļupīte flows underground through pipes
- Šmerļupīte collects stormwater from 3 neighborhoods (Mežciems, Pļavnieki, Dreiliņi)

(1) Pilot location specified





(2) Pilot location specified

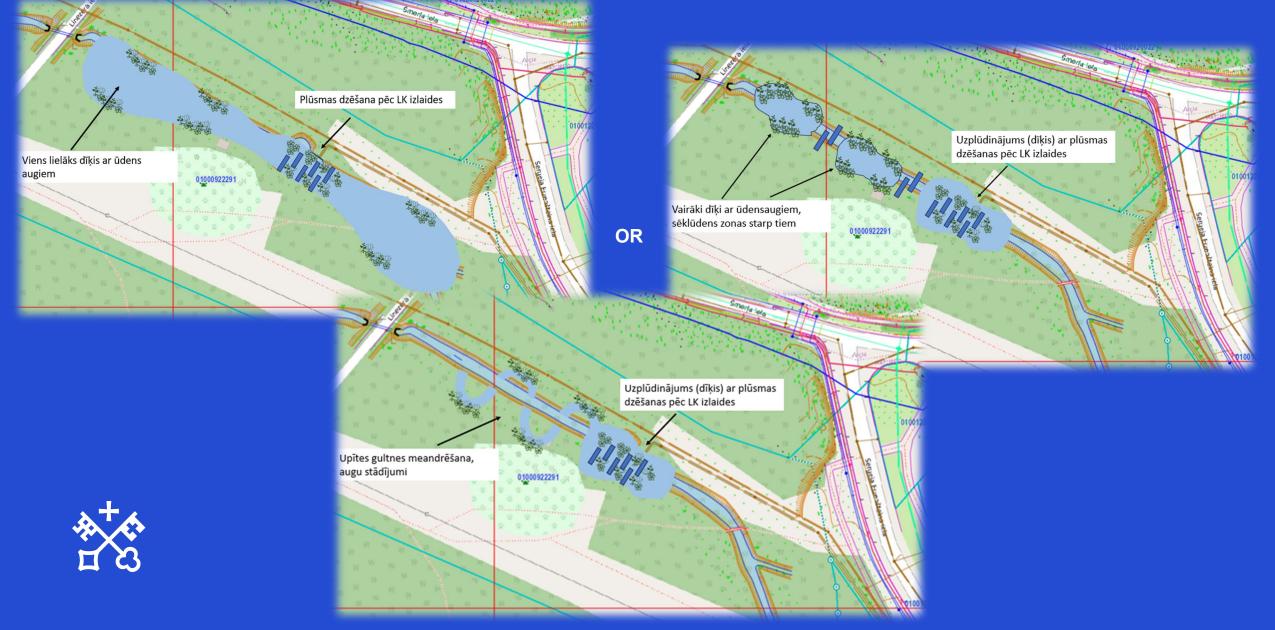




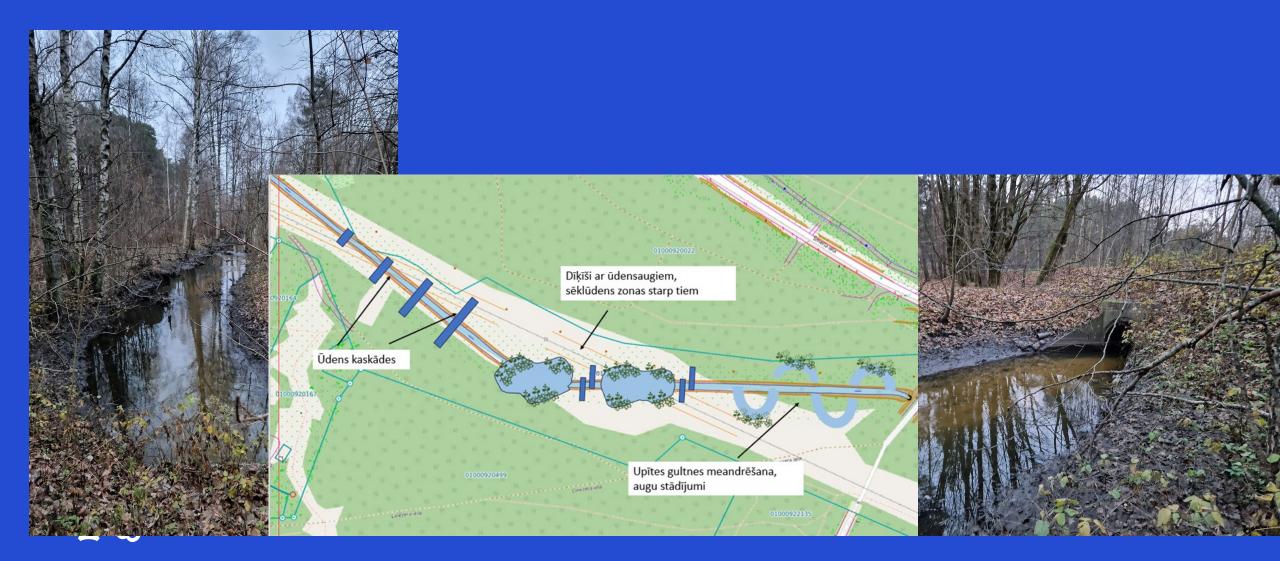




(1) Pilot solutions (right side)



(2) Pilot solutions (left side)



Monitoring results

	Pilot site		
	Baseflow		
	21.06.2023	Rain 07.07.2023	Rain 21.12.2023
Oil products hydrocarbon index, mg/L	< 0,072	< 0,072	<0,02
рН 20оС	7,5 ± 0,1	6,9 ± 0,1	7,5 ± 0,1
COD, mg/L	25,3 ± 1,1	38,8 ± 1,7	49,5 ± 5
BOD5, mg/L	3,2 ± 0,2	3,8 ± 0,3	7,5 ± 1,5
TSS, mg/L	4,2	20 ± 2	13,2 ± 1,3
Ntot, mg/L	<mark>2,75 ± 0,62</mark>	2,71 ± 0,61	1,99 ± 0,2
NH4+, mg/L	0,140 ± 0,007	1,61 ± 0,08	0,4 ± 0,05
Ptot, mgP/L	0,027 ± 0,001	0,039 ± 0,002	<0.1
Zink, ug/l			29 ± 3
Chromium, ug/l			<1
Cadmium, ug/l			<0,1
Lead, ug/l			1,35 ± 0.14
Copper, ug/l			<0,02
		high	
		Good	
		Average	
		Poor	
		Very poor	

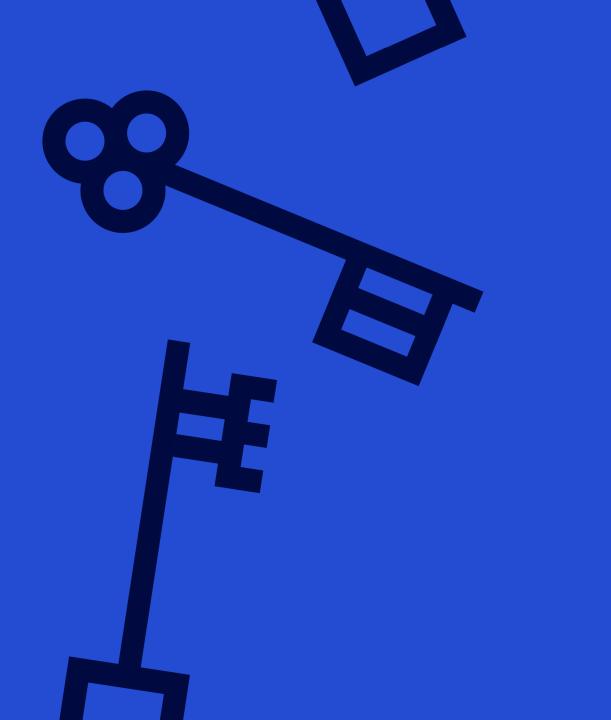


Current and further activities

- **Price survey for design procurement (March 2024)**
- **Procurement for design project (March 2024)**
- Contract for design works (April 2024)
- Developed design project (October 2024)
- Procurement for construction works (November 2024)



- Contract for construction works (January 2025)
- Start of construction (February 2025)



Thanks for attention!

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