

Turku University of Applied Sciences

HEAWATER - Achieving healthier water quality in urban small rivers of the Baltic Sea catchment by restoration of water bodies and preventing of nutrients and hazardous substances inflow from watersheds

Project duration

1.3.2018 - 28.2.2021

Operating sphere

International

Partners

Tallinn City Government
Tallinn University of Technology
Municipality of Söderhamn
Finnish Environment Institute

Source of funding

Interreg Central Baltic

Total funding

1 898 060 €

TUAS budget

302 745 €

Project website

<https://www.tallinn.ee/est/HEAWATER>

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HEAWATER - Achieving healthier water quality in urban small rivers of the Baltic Sea catchment by restoration of water bodies and preventing of nutrients and hazardous substances inflow from watersheds

HEAWATER aims to reduce the transport of nutrients, micro and macro litter from small urban streams to the Baltic Sea.

HEAWATER follows a novel approach of combining proven natural solutions and innovative filter solutions for load reduction. Further, the project will assess how much citizens are willing to contribute to achieving cleaner waters in urban streams and improving the ecological status of the Baltic Sea. The assessment will be based on a light cost-benefit analysis (CBA). The results of this assessment will be used for awareness rising and capacity building.

The results of the technical developments and implementations and the CBA will be integrated in a decision support tool that allows decision makers and planners to choose the optimal solution for urban stream restoration and protection.

The expected project results are:

- Application of different river restoration techniques on selected rivers of Finland, Sweden and Estonia
- Reduction of phosphorus, nitrogen, micro and macro litter and suspended solids from river water by 10%
- Calculation of cost-benefit ratio of implemented restoration works in Finland, Sweden and Estonia

- Tools that will help to identify potential techniques for urban river restoration and water cleaning projects within the Baltic Sea basin.



European Union

European Regional

Development Fund



Interreg
Central Baltic

