

BSR WATER

Platform on Integrated Water Cooperation

Bringing together knowledge and innovation potential on a transnational basis

Union of the Baltic Cities Sustainable Cities Commission

AGNIESZKA ILOLA

PLATFORM
BSR WATER

 **Interreg**
Baltic Sea Region


EUROPEAN UNION
EUROPEAN
REGIONAL
DEVELOPMENT
FUND

BSR WATER platform aims

to enhance cross-sectoral cooperation in sustainable water management by providing a possibility for

- transnational **experience exchange**,
- **sharing of good practices and solutions**,
- **developing regional policy recommendations** for storm water management, nutrient recycling and hazardous substances

Platform synthesizes results from seven projects:

IWAMA, BEST, iWATER, RBR, Manure Standards, Village Waters, CliPlive



Strategic background

EU Strategy for Baltic Sea Region cooperation in PA Nutri, PA Hazards (Climate and Neighbours)

HELCOM Baltic Sea Action Plan, Nutrient Recycling Strategy and HELCOM recommendations

UBC Sustainability Action Programme 2022 – 20230 – commitment to improve the ecological state of the Baltic Sea

European Green Deal – A zero pollution Europe – Clean Water Action Plan

The 2030 Agenda for Sustainable Development – achieving **Sustainable Development Goals**

BSR WATER

Platform on
Integrated Water
Cooperation



Duration:
1 October 2018 to
30 September 2021

10

Partners



19

Associated partners



Funding:
Interreg BSR
Programme
2014–2020



Budget:
EUR 1,1 million

9

Countries
from Baltic
Sea Region



www.bsrwater.eu

Project consortium

1. Union of the Baltic Cities (UBC), Sustainable Cities Commission, FI
2. Baltic Marine Environment Protection Commission - Helsinki Commission (HELCOM), FI
3. Technical University Berlin, DE
4. University of Tartu, EE
5. Gdansk University of Technology, PL
6. Environmental School of Finland (SYKLI), FI
7. Riga City Council, LV
8. City of Helsinki, FI
9. State Geological Unitary Company “Mineral” (SC Mineral), RU
10. State Autonomous Institution of the Kaliningrad region
“Environmental Center “ECAT-Kaliningrad”, RU

and 19 associated partners representing water associations, water utilities, municipalities, research institutes and policy makers (EUSBSR PA Nutri, PA Hazards, former HA Climate).

Synthesising solutions from projects – practise oriented approach

WP2. Collection, evaluation and dissemination of good practices, solutions and tools in the portal **Baltic Smart Water Hub**:

balticwaterhub.net

- **111 cases** published in the online portal **Baltic Smart Water Hub**
- **8 innovations** available for further uptake
- Improved outreach to over **26 experts** providing support in the Hub

WP3. **Capacity development and trainings**

- **over 40 events** (trainings, workshops and webinars) organized for various target groups
- **outreach to 6000** practitioners and decision makers in the region and beyond

Main outputs:

Baltic Smart Water Hub at www.balticwaterhub.net

- online portal enabling **exchange of practical experience** and promotion of **local achievements** in the region
- showcasing over **110 good practices, technical solutions, tools and innovations** in four water areas

International platform sharing your solutions with experts in the Baltic Sea Region



Fresh
water


Storm
water


Sea
water


Waste
water


As the majority of urban water management issues are cross-sectorial, in our city the Hub serves as an online knowledge portal to wide range of municipal specialists dealing with urban planning, environment, climate and urban infrastructure development issues.

— Nika Kotoviča, Urban Planning Expert, City of Riga, Latvia

Explore practices, solutions, tools and innovations

Synthesising solutions from projects – policy oriented approach

WP4. Outcomes and results from platform projects serve as a background for development of regional policy recommendations in four topics:

- nutrient recycling
- hazardous substances
- stormwater management
- Water-Sludge-Energy nexus

Main outputs:

Update of HELCOM Recommendation 23/5 on storm water management

- integrates and promotes the most up-to-date approaches to organization of storm water management in urban landscape
- serves for the implementation of HELCOM MD2018 commitments to make Baltic Sea Region climate resilient
- recommends sustainable solutions for prevention of contamination of aquatic environment

→ direct contribution of the project to the regional policy development



Baltic Marine Environment Protection Commission

HELCOM Recommendation 23/5-Rev.1

Adopted 6 March 2002
amended 4 June 2021
having regard to Article 20,
Paragraph 1 b) of the Helsinki
Convention

REDUCTION OF DISCHARGES FROM URBAN AREAS BY THE PROPER MANAGEMENT OF STORM WATER SYSTEMS

THE COMMISSION,

RECALLING paragraph 1 of Article 6 of the Convention on the Protection of the Marine Environment of the Baltic Sea Area, 1992 (Helsinki Convention), in which the Contracting Parties undertake to prevent and eliminate pollution of the Baltic Sea Area from land-based sources,

HAVING REGARD also to Article 3 of the Helsinki Convention, in which the Contracting Parties shall individually or jointly take all appropriate legislative, administrative or other relevant measures to prevent and abate pollution in order to promote the ecological restoration of the Baltic Sea Area,

RECALLING Article 5 of the Convention on the Protection of the Marine Environment of the Baltic Sea Area, 1992 (Helsinki Convention), in which the Contracting Parties undertake to prevent and eliminate pollution of the marine environment of the Baltic Sea caused by harmful substances,

RECALLING FURTHER commitments from the HELCOM Ministerial Declaration 2018 (Brussels) to develop cost-efficient measures addressing input of micro-plastics and hazardous substances in wastewater sector.

RECALLING ALSO HELCOM Recommendation 36/1 on the Regional Action Plan on Marine Litter, in particular actions RL4 on improvement of storm water management in order to prevent litter, including microlitter, to enter the marine environment from heavy weather events and RL 7 on compilation of available techniques as well as research and develop additional techniques in wastewater treatment plants to prevent micro particles entering the marine environment,

Main outputs:

Policy recommendations for implementing the sustainable stormwater management in BSR

- baseline report for environmental authorities regulating stormwater quality
- analysis of local stormwater management governance and practices
- recommendations for implementing integrated approach at EU, national and local level
- examples of local stormwater action plans and strategies

PLATFORM
BSR WATER

Interreg
Baltic Sea Region

EUROPEAN
REGIONAL
DEVELOPMENT
FUND
EUROPEAN UNION



Regional and national policy recommendations for implementing the integrated stormwater management in the Baltic Sea Region

BSR WATER – Platform on Integrated Water Cooperation
City Development Department of the Riga City Council, 2021

www.bsrwater.eu

Main outputs:

Report and policy messages on micropollutants in wastewater and sludge

- compilation of data on the concentration of micropollutants of high concern in wastewater and sludge (PFAS, pharmaceuticals, phenolic compounds, heavy metals)
 - discussion on measures to mitigate impact on environment
 - selection of technologies to remove micropollutants from wastewater
- implementation of HELCOM joint action “Micropollutants in WWTPs effluents”
- contribution to the EC ongoing work on revision of Urban Wastewater Treatment Directive.



Main outputs:

Palette of solutions for nutrient recycling

- offering selection of sustainable and safe measures suitable for various wastewater management systems and serving to increase recycling of nutrients from wwtp
- can be used as guidelines in the planning of national phosphorus recovery strategies, key technologies and potential applications by authorities, local practitioners and companies.

→ Inputs to HELCOM Nutrient Recycling Strategy

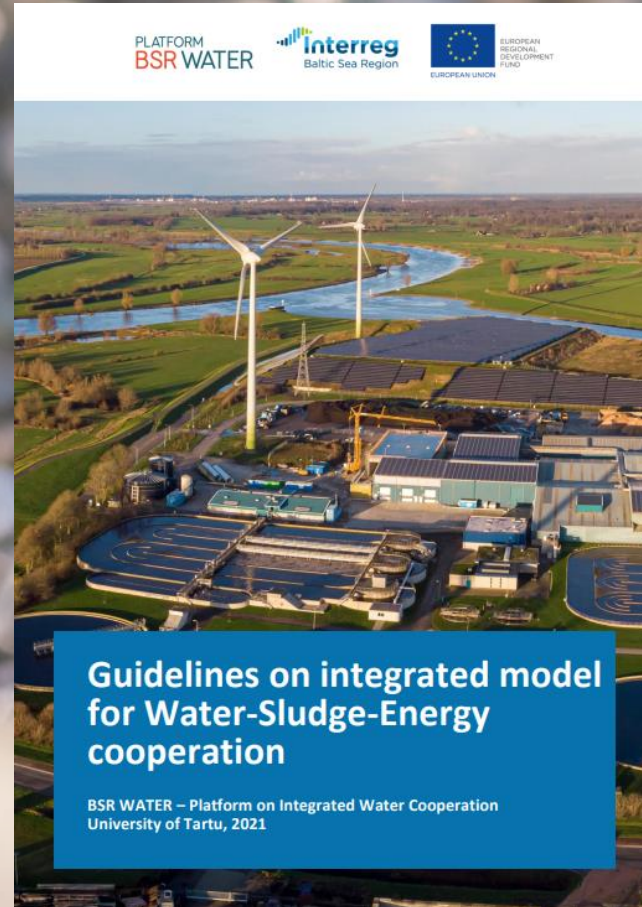
→ Policy messages for nutrient recycling from wastewater



Main outputs:

Integrated model for Water-Sludge-Energy cooperation

- the document demonstrates possible points of cooperation for the wastewater treatment plants to reach energy and climate neutrality
- each point of cooperation includes a description of the recommendation, potential financial balance and example of action
- model demonstrate changing of the paradigm in wastewater sector, transferring wastewater treatment plants towards resource recovery plants.



Thank you!

CONTACT

Agnieszka Ilola

Project coordinator

E-mail: agnieszka.ilola@ubc.net

www.bsrwater.eu

PLATFORM
BSR WATER

 **Interreg**
Baltic Sea Region



EUROPEAN
REGIONAL
DEVELOPMENT
FUND

twitter.com/BSRWater