Interreg
Baltic Sea Region

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SUSTAINABLE WATERS
ReNutriWater

ReNutriWater implementation in Jurmala

Warshaw | December 10th – 11th, 2025

interreg-baltic.eu/project/renutriwater

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Jūrmalas ūdens

Sloka WWTP – pilot place in Jurmala WP 2

Risk assessment, Step 3 – development of monitoring programm according to EU 2020/741 and Directive 91/271/EEC and main results

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Parameters

Microbiological indicators

Once a week
E. coli (number/100

Partially compliant
*High concentrations detected during bioreactor reconstruction
**Treated water after disinfection: E.Coli 0 CFU/100 ml

Physiochemical indicators (excl. micropollutants)

Online measurements:
Turbidity (NTU)

Once a week:
pH
Electroconductivi

Duļķainīb

O
B OD (mg/l)
Tot gen, TN
Ammonium nitrogen, NH_4/N
Nitrate nitrogen, NO_3/N
Nitrite nitrogen, NO_2/N
Total phosphorus, TN
Ortophosphate phosporus PO_4/P

Compliant

Micropollutants

Screening of micropollutan ater
Heavy metals
Pharmaceuticals

Partially compliant
*Heavy metals aren't detected
*Pharmaceuticals are detected

Main results

Drinking Water

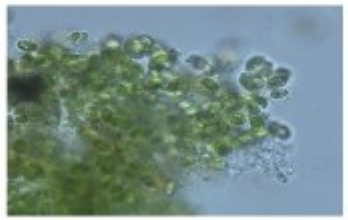
Safest option for irrigation with no biological concerns.

Disinfected Wastewater

Contains biogen elements with low algae growth.

Treated Wastewater

High algae growth and low biogen elements concentration.



Stored Surface Water

Low nutrient content still results in algae growth.

Stored Treated Wastewater

High nutrient content leads to rapid algae growth.

Fresh Water

Fresh water has low nutrient content and minimal algae growth.

Disinfected Treated Wastewater

Disinfection reduces algae growth despite high nutrient content.

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Cooperation with target groups

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Transfering good practicies

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Thank you for your attention!

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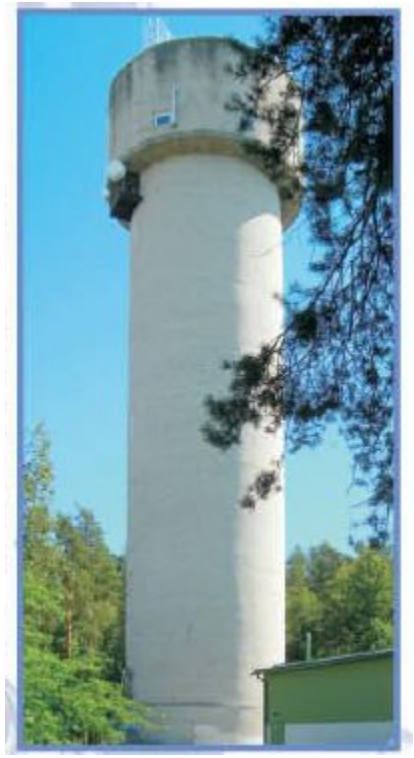

This **#MadeWithInterreg project** helps drive the transition to a green and resilient Baltic Sea region.