

# ReNutriWater

Closing local water circuits by recirculating  
nutrients and water and using them in nature.

Borlnholm | 8 November  
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[interreg-baltic.eu/project/renutriwater](http://interreg-baltic.eu/project/renutriwater)



# ReNutriWater

## ReNutriWater project answers to the challenges specified in the Programme objective Water-smart societies, priority 2.1. Sustainable waters.

The Programme supports actions that improve the state of water in the region and make its management more sustainable.

These waters include the Baltic Sea, coastal waters and inland waters like rivers, lakes and groundwater.

### Strategy and thematic focus

Four priorities including nine Programme objectives best reflect the needs for transnational cooperation identified by the Programme countries for the next seven years.

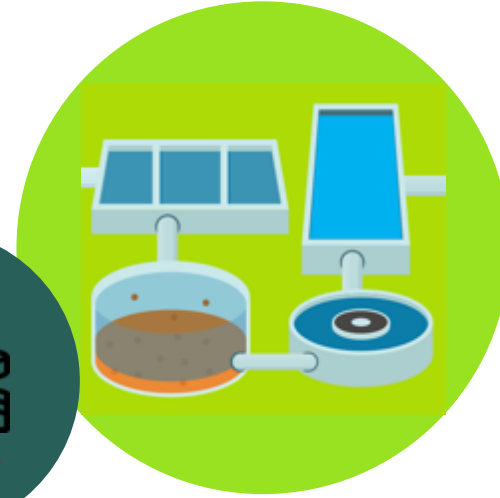
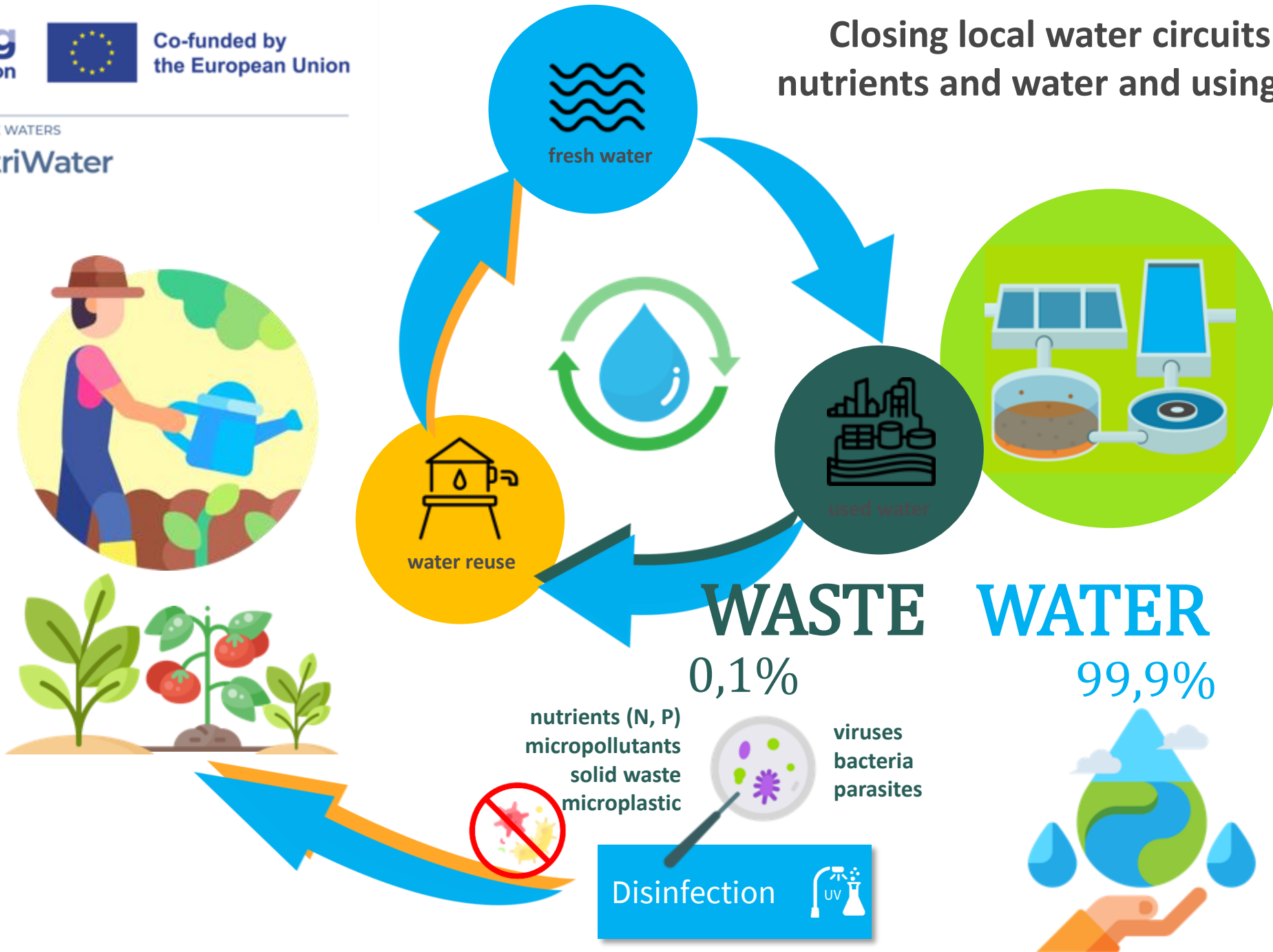


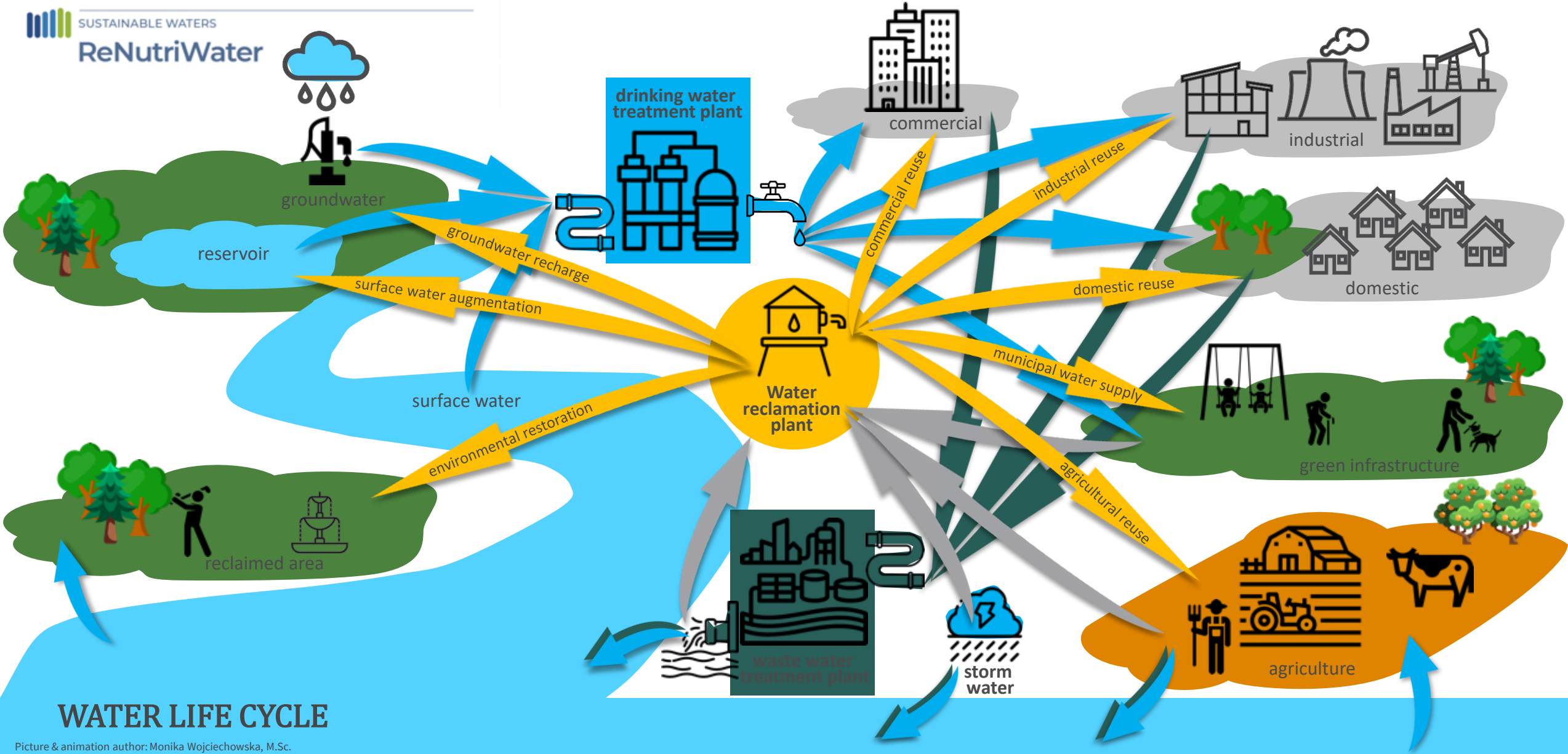


# Project Challenge

**Closing local water circuits by  
recirculating nutrients & water,  
and using them in nature.**

# Closing local water circuits by recirculating nutrients and water and using them in nature





**WATER LIFE CYCLE**

## Target groups

- National/ Regional/ Local public authorities
- **Infrastructure & public service providers**
- Interest groups
- SME's

# ReNutriWater

## Partnership

14 Project Partners representing 5 countries



22 Associated Organisations representing 8 countries



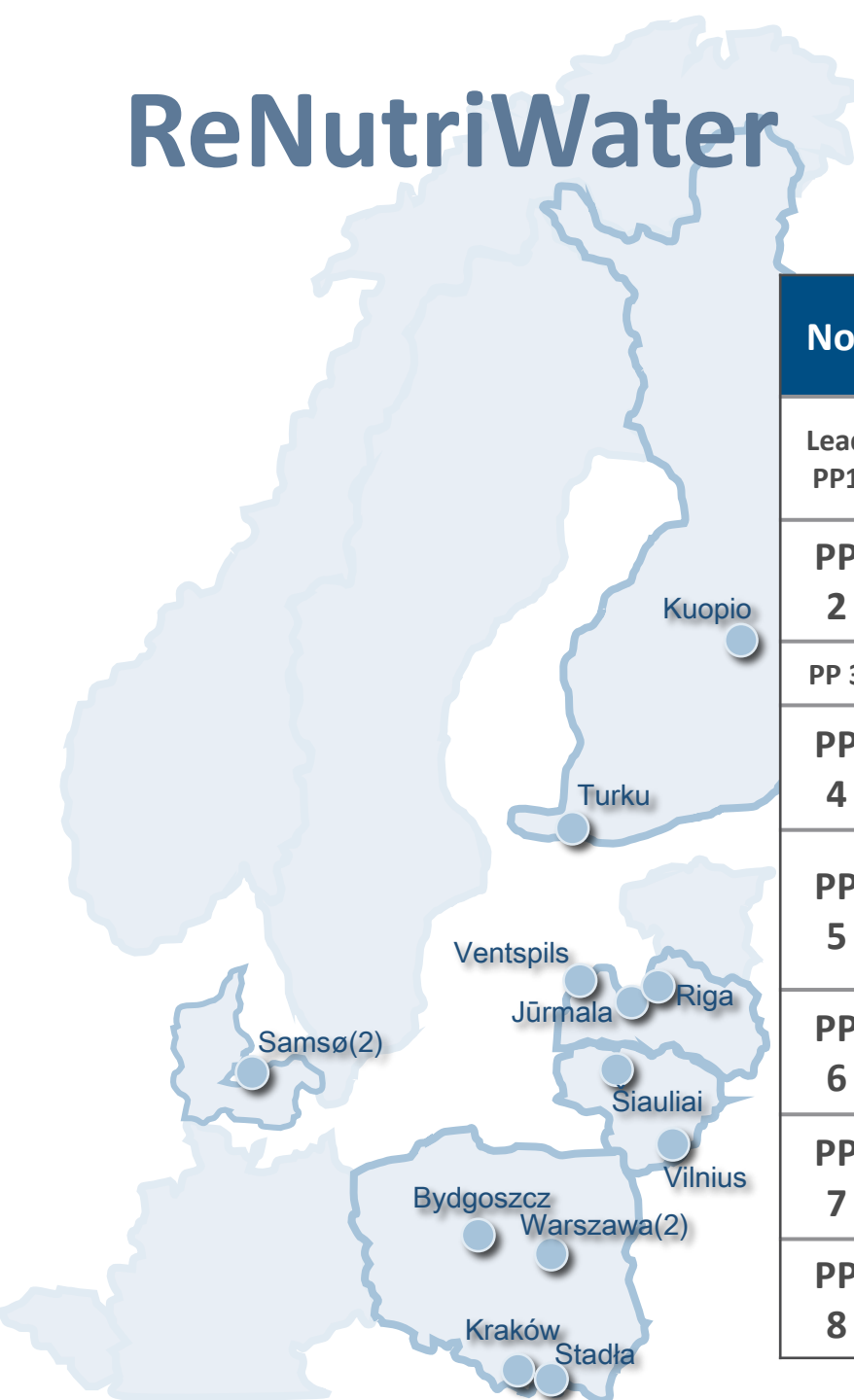
## Project leader



Chamber of Economy Polish Waterworks

# ReNutriWater

No.	Country	City	Organisation EN	Organisation Original	Type of Partner
Lead PP1	Poland	Bydgoszcz	Chamber of Economy Polish Waterworks	Izba Gospodarcza Wodociągi Polskie	Interest group
PP 2	Finland	Turku	Centrum Balticum Foundation	Centrum Balticum Foundation	Interest group
PP 3	Withdrawn				
PP 4	Latvia	Rīga	University of Latvia	Latvijas Universitāte	Higher education and research institution
PP 5	Poland	Kraków	Mineral and Energy Economy Research Institute of the Polish Academy of Sciences	Instytut Gospodarki Surowcami Mineralnymi i Energią Polskiej Akademii Nauk	Higher education and research institution
PP 6	Finland	Kuopio	Savonia University of Applied Sciences Ltd.	Savonia ammattikorkeakoulu oy	Higher education and research institution
PP 7	Poland	Warszawa	Warsaw University of Technology	Politechnika Warszawska	Higher education and research institution
PP 8	Denmark	Samsø	Samsø Municipality	Samsø Kommune	Local public authority





# ReNutriWater

Interreg  
Baltic Sea Region

















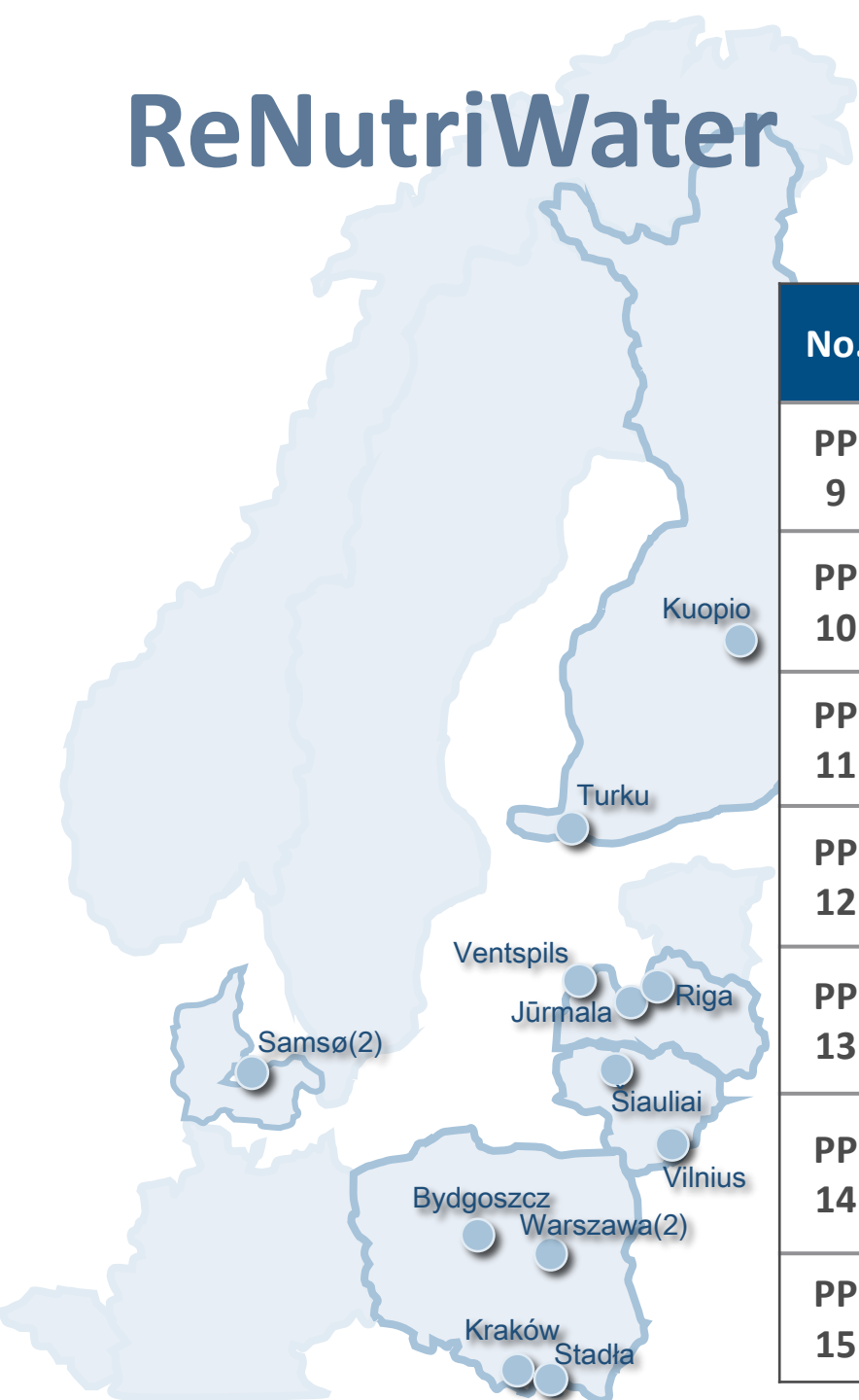
Co-funded by  
the European Union



SUSTAINABLE WATERS

ReNutriWater

No.	Country	City	Organisation EN	Organisation Original	Type of Partner
PP 9	Poland 	Stadła	Schwander	Schwander Polska sp. z o.o. spółka komandytowa	 Small and medium enterprise
PP 10	Poland 	Warszawa	Municipal Water and Sewerage Company in Warsaw	Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji w m.st. Warszawie	 Infrastructure and public service provider
PP 11	Denmark 	Samsø	Samsø Wastewater Utility	Samsø Spildevand A/S	 Infrastructure and public service provider
PP 12	Latvia 	Jūrmala	Jurmala Water Utility (Jūrmalas ūdens Ltd.)	sabiedrība ar ierobežotu atbildību "Jūrmalas ūdens"	 Infrastructure and public service provider
PP 13	Lithuania 	Šiauliai	Siauliai Chamber of Commerce, Industry and Crafts	Šiaulių prekybos, pramonės ir amatų rūmai	 Business support organisation
PP 14	Latvia 	Ventspils	VNK serviss, Ltd	SIA "VNK serviss"	 Infrastructure and public service provider
PP 15	Lithuania 	Vilnius	National Regions' Development Agency (NRDA)	Viešoji įstaiga Nacionalinė regionų plėtros agentūra	 Private and public sector service provider



# ReNutriWater

## Associated Organisations

1.	WWF Poland, PL	12.	Tahko Village Association, FI
2.	Estonian Water Works Association	13.	Tahko Development Oy, FI
3.	Regional Council of Pohjois-Savo, FI	14.	Ecoloop AB, SE
4.	Klaipeda Water, LT	15.	Water and sewerage company in Minsk Mazowiecki, PL
5.	Administration of Jurmala local government, LV	16.	Municipal and housing enterprise in Dzialdowo, PL
6.	Kursenu vandenys, LT	17.	Urban Waterworks and Sewerage in Bydgoszcz, PL
7.	Latvia Centre for Environment, Geology and Meteorology	18.	Hydrosphere Józefów, PL
8.	Samsø Farmers Association, DK	19.	Council of Oulu Region / EUSBSR PAC Tourism, FI
9.	EurEau, BE	20.	Tukums Municipality, LV
10.	VIA University College, DK	21.	The Pomeranian Regional Tourist Organization / PAC Tourism, PL
11.	Ministry of infrastructure, PL	22.	BANIA Limited liability company Limited partnership, Hotel Bania Thermal&Ski, PL

# ReNutriWater

## Project budget


Programme co-financing	3,077,787 €
PPs Own funding	769,447 €


## Project time frame


Project implementation **1.1.2023 – 31.12.2025**

Project closure ends 31.3.2026

**Total budget**  
**3,847,234 €**

GROUP OF ACTIVITIES (1-5)	 <b>Work Package 1: Preparing solutions</b>	
	WP1	Prepare
	Title of preparatory activities	Deliverables Components of the solution prepared
1	Determining preconditions for pilots	D: System boundaries defined (report)
2	Establishing the local target group networks	D: 5 local target group networks created
3	Validating final conditions for pilots	D: Final conditions for pilots defined – set of water & nutrients reuse techniques (report)
4	Determining a scope of the risk assessment for pilots	D: Validated scope of the risk analysis for pilots and other BSR regions (report)
5	Identifying business opportunities and defining scope of functionality of WaterSafe-tool	D: Sustainable and circular business models & determined functionality of WaterSafe-tool

GROUP OF ACTIVITIES (1-5)	 <b>Work Package 2: Piloting and evaluating solutions</b>	
	WP2	Tests
	Title of pilot activities	Output Solutions piloted, evaluated, adjusted
1	Pilot 1 (P1): Disinfection efficiency of reclaimed water	O: Efficient methods of disinfection of reclaimed water
2	Pilot 2 (P2): Composition adjustment of reclaimed water	O: Methods of selecting the composition of reclaimed water tailored to the needs
3	Pilot 3 (P3): Breaking barriers for reclaimed water use	O: Methods to ensure the safe use of reclaimed water
4	Implementing and testing WaterSafe IT Tool	O: WaterSafe IT Tool
5	Developing a Handbook on water reuse	D: Handbook on safe water reuse

GROUP OF ACTIVITIES (1-3)	 <b>Work Package 3: Transferring solutions</b>	
	WP3	Transfer solutions
	Title of transfer activities	Deliverables Solutions transferred to target groups
1	Transferring solutions - communication, activities and tools	D: Transferred solutions - final report
2	Conducting survey analysis to measure and expand awareness	D: Awareness survey – report
3	Developing and implementing a mentoring programme "Safe Water"	D: Mentoring programme "Safe Water" for target groups

# Location of the pilots



## PILOT 1

### Disinfection



1. PP6 | [Savonia's WaterLAB](#), Kuopio, Finland
2. PP10, WWTP Czajka / Pruszków / Południe, Warsaw, Poland with PP7 | Warsaw University of Technology, Warsaw, Poland

## PILOT 2

### Nutrients adjusting



1. PP6 | [Savonia's WaterLAB](#) with cooperation of WWTP Tahko, Finland
2. PP9 | [Schwander](#) with WWTP for Hotel Bania Thermal & Ski, [Wołkowya](#), Poland
3. PP12 | Jurmala Water Utility, Jurmala, Latvia with PP4 | University of Latvia, Riga, Latvia

## PILOT 3

### Green house



1. PP6 | Green house in Kuopio, [Savonia's SuperDMA](#), [Savilahti District](#), Finland
2. PP11 | Green house in [Samsø Wastewater Utility](#) [Samsøe Island](#), [Samsø](#), [Denmark](#)
3. PP14 | Greenhouse in [Ugāle](#), [Ugāle parish](#), [Ventspils county](#), Latvia with PP4 | University of Latvia, Riga, Latvia

WP2 Leaders:

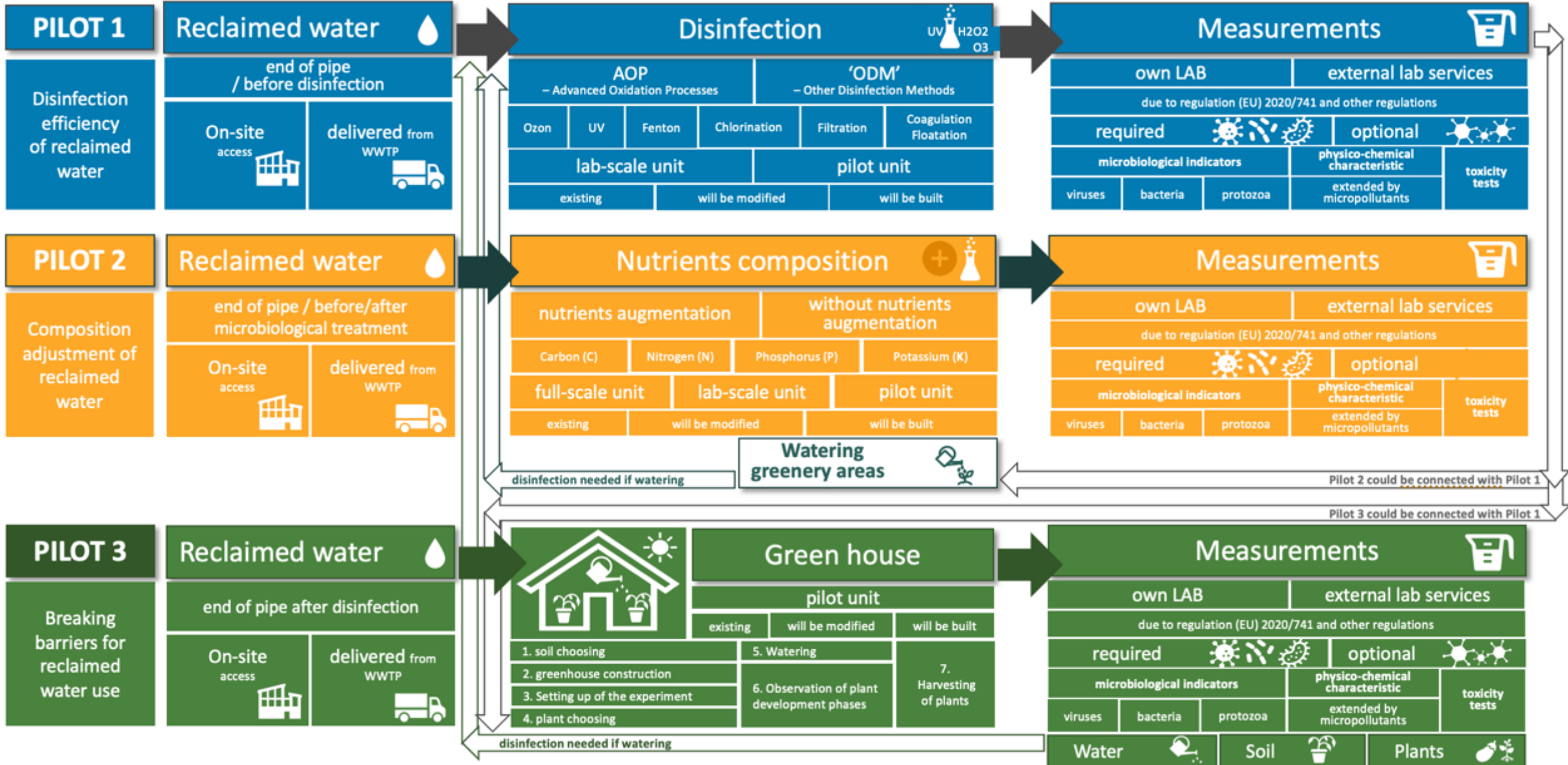
PP 6



PP 10



# WP2 – piloting





# Possible synergies with Waterman

**Determining a scope of the risk  
assessment for pilots**

**Identifying business opportunities and defining scope of  
functionality of WaterSafe-tool**

**O: WaterSafe IT Tool**

**D: Handbook  
on safe water reuse**

- ❖ Kalmar case study
- Berlin case study



# ReNutriWater

Closing local water circuits by recirculating nutrients and water and using them in nature.

Project website  
available at

[www.interreg-baltic.eu/project/renutriwater/](http://www.interreg-baltic.eu/project/renutriwater/)