1. Identification

Call	Date of submission
C1	25/04/2022

1.1. Full name of the project

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

90 / 250 characters

1.2. Short name of the project

ReNutriWater

12 / 20 characters

1.3. Programme priority

2. Water-smart societies

1.4. Programme objective

2.1 Sustainable waters

1.6. Project duration

Contracting start	22/09/2022	**Contracting end**	31/12/2022
Implementation start	01/01/2023	**Implementation end**	31/12/2025
		Duration of implementation phase (months)	36
Closure start	01/01/2026	**Closure end**	31/03/2026

1.7. Project summary

Climate change and environmental pollution make saving water resources crucial also in the BSR. Due to climate change and rising pollution of the environment, freshwater has become more valuable in the Baltic Sea Region. Despite the extensive initial treatment, freshwater is still being discharged after single use in many countries. This practice wastes money, energy, and human labour, which could be reduced with water recovery from wastewater. However, such practice poses some challenges due to specific requirements of reclaimed water quality. The goal is to reduce the risk of the potentially harmful impact of untreated WWTP effluent on the environment and human health. Reclaimed water can be used by local authorities and private entities for various purposes, like street cleaning, carwashes, fountains and pond recharge, recreational area watering, plant breeding, and, after proper treatment, also for domestic use or drinking. The key is to develop solutions for the recovery of safe water, free from pathogens and micropollutants, with the right amount of nutrients. Overcoming the “yuck factor” in society is also crucial. The risk assessment is a necessary tool to create effective protective barriers. This project is meant to tackle these challenges to accelerate policymaking, which would facilitate water reuse implementation in the cities of Europe. This good practice addresses circular economy and SDG #6 “Clean water and sanitation for all”.

1,467 / 1,500 characters

1.8. Summary of the partnership

The consortium is structured to cover all the necessary competencies and provide the critical mass to reach the BSR Interreg programme aim. Starting from wastewater treatment plant operators (infrastructure and public service providers), through institutions with knowledge of existing solutions (higher education and research institutions, business support organizations, interest groups, SMEs), to recipients who know their local needs (local authorities, SME). Local authorities, interest groups and business support organizations are the strategic target group. There are users with specific requirements that they will articulate during the project. The solutions will be checked and refined during pilots to make them duplicable in many places. This group will influence infrastructure and public service providers to apply the solutions resulting from the pilots. We want to create interaction and free the needs (operators of green areas, tourist facilities) and opportunities (operators of treatment plants) locally. The project partners represent five BSR countries: DK, FI, LT LV, and PL. Thanks to this, the project drive solutions in three international pilot cases. The pilots' cases purpose is not only direct reimplementation and upscaling but also to trigger innovation (that's why the project targets SMEs). Thanks to the experience gained during the pilots, a universal manual will be created, taking into account local aspects, such as specific legal requirements, location, or climate. We don't have all Baltic countries onboard; however, we would like to reach most countries. We invited several entities to the Advisory Council, composed of associated partners from different countries. The handbook (O 2.5), which is one of the three project outputs, is not only a technical and technological guide; it is also a guideline for risk management and a tool for popularizing knowledge and breaking taboos and stereotypes. The second output is a self-assessment tool. Thanks to the cooperation of partners and the support of associated partners, we will develop an IT tool (O 2.4) that is universal enough to be used in the entire BSR. The last output (O 5.1) summarises all project activieties, including project effectiveness implementation.

2,262 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	3,077,786.88
	Own contribution ERDF	0.00	769,446.73
	ERDF budget	0.00	3,847,233.61
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	**Total Programme co-financing**	0.00	3,077,786.88
	Total own contribution	0.00	769,446.73
	Total budget	0.00	3,847,233.61

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Chamber of Economy Polish Waterworks	Izba Gospodarcza Wodociągi Polskie	PL	Interest group	a)	319,152.00 €	Active	22/09/2022
2	PP	Centrum Balticum Foundation	Centrum Balticum Foundation	FI	Interest group	a)	310,610.00 €	Active	22/09/2022
3	PP	Klaipeda Chamber of Commerce Industry and Crafts	Klaipėdos prekybos, pramonės ir amatų rūmai	LT	Business support organisation	b)	172,376.00 €	Active	22/09/2022
4	PP	University of Latvia	Latvijas Universitāte	LV	Higher education and research institution	a)	317,820.00 €	Active	22/09/2022
5	PP	Mineral and Energy Economy Research Institute of the Polish Academy of Sciences	Instytut Gospodarki Surowcami Mineralnymi i Energią Polskiej Akademii Nauk	PL	Higher education and research institution	a)	296,507.30 €	Active	22/09/2022
6	PP	Savonia University of Applied Sciences Ltd.	Savonia ammattikorkeakoulu oy	FI	Higher education and research institution	b)	497,525.00 €	Active	22/09/2022
7	PP	Warsaw University of Technology	Politechnika Warszawska	PL	Higher education and research institution	a)	318,873.00 €	Active	22/09/2022
8	PP	Samsø Municipality	Samsø Kommune	DK	Local public authority	a)	110,420.00 €	Active	22/09/2022
9	PP	Schwander	Schwander Polska sp. z o.o. spółka komandytowa	PL	Small and medium enterprise	b)	137,507.64 €	Active	22/09/2022
10	PP	Municipal Water and Sewerage Company in Warsaw	Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji w m.st. Warszawie	PL	Infrastructure and public service provider	a)	399,322.30 €	Active	22/09/2022
11	PP	Samsø Wastewater Utility	Samsø Spildevand A/S	DK	Infrastructure and public service provider	a)	71,989.10 €	Active	22/09/2022
12	PP	Jurmala Water Utility (Jurmalas udens Ltd.)	sabiedrība ar ierobežotu atbildību "Jūrmalas ūdens"	LV	Infrastructure and public service provider	a)	490,000.00 €	Active	22/09/2022
13	PP	Siauliai Chamber of Commerce, Industry and Crafts	Šiaulių prekybos, pramonės ir amatų rūmai	LT	Business support organisation	b)	233,400.00 €	Active	22/09/2022
14	PP	VNK serviss, Ltd.	SIA "VNK serviss"	LV	Infrastructure and public service provider	a)	171,731.27 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	WWF Poland	WWF Polska	PL	NGO
AO 2	Estonian Water Works Association	Eesti Vee-ettevotete Liit	EE	Interest group
AO 3	Regional Council of Pohjois-Savo	Pohjois-Savo Liitto	FI	Regional public authority
AO 4	Klaipeda water	Klaipėdos vanduo	LT	Infrastructure and public service provider
AO 5	Administration of Jurmala local government	Jūrmala	LV	Local public authority
AO 6	Kursenu vandenys	Kuršėnų vandenys	LT	Infrastructure and public service provider
AO 7	Latvia Center for Environment, Geology and Meteorology	Latvijas Vides, ģeoloģijas, meteoroloģijas centrs	LV	National public authority
AO 8	Samsø Farmers Association	Samsø Landboforening	DK	Interest group
AO 9	EurEau	EurEau	BE	Interest group
AO 10	VIA University College	VIA University College	DK	Higher education and research institution
AO 11	Ministry of Infrastructure	Ministerstwo Infrastruktury	PL	National public authority
AO 12	Tahko Village Association	Tahkon kyläyhdistys ry	FI	Interest group
AO 13	Tahko Development Oy	Tahkon Kehitys Oy	FI	Business support organisation
AO 14	Ecoloop	Ecoloop AB	SE	Small and medium enterprise
AO 15	Water and sewerage company in Minsk Mazowiecki	Przedsiębiorstwo Wodociągów i Kanalizacji sp. z o.o. w Mińsku Mazowieckim	PL	Infrastructure and public service provider
AO 16	Municipal and housing enterprise in Dzialdowo	Przedsiębiorstwo Gospodarki Komunalnej i Mieszkaniowej Sp. z o.o. w Działdowie	PL	Infrastructure and public service provider
AO 17	Urban Waterworks and Sewerage in Bydgoszcz	Miejskie Wodociągi i Kanalizacja w Bydgoszczy	PL	Infrastructure and public service provider
AO 18	Hydrosphere Józefów	Hydrosfera Józefów	PL	Infrastructure and public service provider
AO 19	Council of Oulu Region/EUSBSR PAC Tourism	Pohjois-Pohjanmaan Liitto	FI	Regional public authority
AO 20	Tukums Municipality	Tukuma novada pašvaldības	LV	Local public authority
AO 21	The Pomeranian Regional Tourist Organization/ PAC Tourism	Pomorska Regionalna Organizacja Turystyczna	PL	Sectoral agency

2.2 Project Partner Details - Partner 1

LP/PP Lead Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Izba Gospodarcza Wodociągi Polskie

34 / 250 characters

Organisation in English Chamber of Economy Polish Waterworks

36 / 250 characters

Department in original language n/a

3 / 250 characters

Department in English n/a

3 / 250 characters

Partner location and website:

Address	J.Kasprowicza 2 (15 / 250 characters)	**Country**	Poland
Postal Code	85-073 (6 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Bydgoszcz (9 / 250 characters)	**NUTS2 code**	Kujawsko-pomorskie
Website	www.igwp.org.pl (15 / 100 characters)	**NUTS3 code**	Bydgosko-toruński

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5540312444
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL5540312444 (12 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs
Sector (NACE)	94.12 - Activities of professional membership organisations	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

The Chamber acts as a leader in accordance with the Program Manual. Thanks to a well-developed network of contacts (over 500 members of organizations that are Infrastructure and public service providers) and constant international cooperation with other organizations in BSR, the Chamber will actively participate in transferring solutions. It will also participate in the implementation of all WPs supporting the activities of the leaders. The Chamber will be involved in the work on risk assessment guidelines and will coordinate the preparation of all outputs, and the provision of solutions. The Chamber will take part in the mentoring program.

648 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 2

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Centrum Balticum Foundation (27 / 250 characters)

Organisation in English	Centrum Balticum Foundation (27 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Vanha Suurtori 7 (16 / 250 characters)	**Country**	Finland
Postal Code	20500 (5 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Turku (5 / 250 characters)	**NUTS2 code**	Etelä-Suomi
Website	www.centrumbalticum.org (23 / 100 characters)	**NUTS3 code**	Varsinais-Suomi

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	2112927-6
VAT Number Format	FI + 8 digits
VAT Number	N/A ☑ (0 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs
Sector (NACE)	70.21 - Public relations and communication activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Role of the partner organisation in this project:

Centrum Balticum will take care of leading WP3 and coordinating communication. Centrum Balticum will create communication strategy and plan, and communication materials (presentations, main messages, etc.) and establish external communication channels (digital) and update information distributed through these channels. All reports and other project results will be distributed via project website. Centrum Baltic will identify – with the help of partners – the relevant stakeholders and plan how to reach them. Workshops, field trips and dialogue sessions with stakeholders will be organised in cooperation with partners, but international information seminars and an international conference will be organised by Centrum Balticum. Centrum Balticum will also organise WP3 meetings in connection to project meetings and coordinate partners' communication activities. Mentors in mentoring programme.

902 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 3

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Klaipėdos prekybos, pramonės ir amatų rūmai (43 / 250 characters)
Organisation in English	Klaipeda Chamber of Commerce Industry and Crafts (48 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Naujoji Uosto str. 9-9 (22 / 250 characters)	**Country**	Lithuania
Postal Code	LT-92121 (8 / 250 characters)	**NUTS1 code**	Lietuva
Town	Klaipeda (8 / 250 characters)	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
Website	www.kcci.lt (11 / 100 characters)	**NUTS3 code**	Klaipėdos apskritis

Partner ID:

Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	110067781
VAT Number Format	LT + 9 digits
VAT Number	**N/A** ☐ LT110067781 (11 / 50 characters)
PIC	999779777 (9 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Business support organisation	Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
Sector (NACE)	82.99 - Other business support service activities n.e.c.	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Financial data

Reference period	01/01/2021 –	31/12/2021
Staff headcount [in annual work units (AWU)]		10.0
Employees [in AWU]		10.0
Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]		0.0
Owner-managers [in AWU]		0.0
Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]		0.0
Annual turnover [in EUR]		593,889.00
Annual balance sheet total [in EUR]		976,747.00
Operating profit [in EUR]		56,965.00

Role of the partner organisation in this project:

Regular project partner – acting as a business support organization.
WP3- responsible for dissemination activities, also the organization of the workshops, help in organizing the final conference, activities of strategies for policymakers' development, etc. Having a strong relationship with some wastewater operators also joins WP1. Disseminates surveys and indicates potential organizations for tests, invites associated partners.

434 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 4

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Latvijas Universitāte (21 / 250 characters)
Organisation in English	University of Latvia (20 / 250 characters)
Department in original language	Vides zinātnes nodaļa (21 / 250 characters)
Department in English	Department of Environmental Science (35 / 250 characters)

Partner location and website:

Address	Raina blvd 19 (13 / 250 characters)	**Country**	Latvia

Postal Code	LV 1586 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Riga (4 / 250 characters)	**NUTS2 code**	Latvija
Website	www.lu.lv (9 / 100 characters)	**NUTS3 code**	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90000076669
VAT Number Format	LV + 11 digits
VAT Number	N/A ☐ LV90000076669 (13 / 50 characters)
PIC	999871830 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	85.42 - Tertiary education	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

University of Latvia team will participate in the WP1, concentrating on the analysis of best praxis on nutrient emission reduction, nutrient (especially phosphorus) recovery, possibilities to apply results of original research done at UL as well as in surveys to identify most relevant solutions for local WWTP. Further, considering requests of local and other project partner UL team will participate in pilot studies, and monitoring programs as well as in analysis of obtained results and elaboration of recommendations on the best solutions for the nutrient loading reduction. UL will organize seminars for target groups, disseminate project results in international conferences and will participate in the development of recommendations for national level authorities. Project results will be used for training of students and elaboration of thesis works. Mentors in mentoring programme.

891 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 5

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Instytut Gospodarki Surowcami Mineralnymi i Energią Polskiej Akademii Nauk (74 / 250 characters)
Organisation in English	Mineral and Energy Economy Research Institute of the Polish Academy of Sciences (79 / 250 characters)
Department in original language	Pracownia Surowców Biogenicznych (32 / 250 characters)
Department in English	Division of Biogenic Raw Materials (34 / 250 characters)

Partner location and website:

Address	ul. Wybickiego 7A (17 / 250 characters)	**Country**	Poland
Postal Code	31-261 (6 / 250 characters)	**NUTS1 code**	Makroregion południowy
Town	Kraków (6 / 250 characters)	**NUTS2 code**	Małopolskie
Website	www.min-pan.krakow.pl/en/ (25 / 100 characters)	**NUTS3 code**	Miasto Kraków

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	6750001900
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL6750001900 (12 / 50 characters)
PIC	998501705 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	72.19 - Other research and experimental development on natural sciences and engineering	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Role of the partner organisation in this project:

MEERI PAS will coordinate the idetification of target group networks in WP1.2; identify and analyse the opportunities for developing circular business models for water resuse solutions in WP1.5. Moreover, MEERI PAS will lead the task related to idetification of the scope of functionality of WaterSafe Tool (WP1.5), which will be further verified by representatives of the target group networks. Based on the obtained results, the final veriosn of WaterSafe Tool will be developed. MEERI PAS will actively participate in disseminating knowledge about the project and its results (transferring solutions), including through scientific and non-scientific publications, participation in conferences, etc., coordinator of the mentoring programme (WP3).

748 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 6

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language: Savonia ammattikorkeakoulu oy
29 / 250 characters

Organisation in English: Savonia University of Applied Sciences Ltd.
43 / 250 characters

Department in original language: N/A
3 / 250 characters

Department in English: N/A
3 / 250 characters

Partner location and website:

Address: Microkatu 1
11 / 250 characters

Postal Code: 70201
5 / 250 characters

Town: Kuopio
6 / 250 characters

Website: www.kuopiowatercluster.com
26 / 100 characters

Country: Finland

NUTS1 code: Manner-Suomi

NUTS2 code: Pohjois- ja Itä-Suomi

NUTS3 code: Pohjois-Savo

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	2629463-3
VAT Number Format	FI + 8 digits
VAT Number	N/A ☐ FI26294633 (10 / 50 characters)
PIC	934620221 (9 / 9 characters)

Partner type:

Legal status	b) Private
Type of partner	Higher education and research instituti — University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	72.19 - Other research and experimental development on natural sciences and engineering

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Partly

VAT explanation

In the projects, the VAT in bookkeeping depends on whether the VAT is eligible or not in the project. Also it depends on if the Finnish tax administration office (Verohallinto) has given the VAT guidance for the project: if in the guidance of Verohallinto the projects actions are interpreted as business, then VAT is not eligible in the project funding, only the net sums of the costs.

386 / 1,000 characters

Financial data

Reference period	01/01/2021 –	31/12/2021
Staff headcount [in annual work units (AWU)]		502.0
Employees [in AWU]		502.0
Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]		0.0
Owner-managers [in AWU]		0.0
Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]		0.0
Annual turnover [in EUR]		56,551,499.00
Annual balance sheet total [in EUR]		76,844,545.00
Operating profit [in EUR]		4,288,555.00

Role of the partner organisation in this project:

Savonia will be leader and coordinator of joint partner efforts in WP2 – Piloting and evaluating solutions. The role will include coordinating interregional piloting efforts across selected participating countries. Savonia will use own testing and demonstrating facilities in Kuopio, Finland (WaterLAB and SuperDMA) for hands-on validation of candidate water reuse approaches (adapting and testing the chosen technologies in the local environment with relevant actors and international dimension). Savonia has long-term experience and an excellent track of RDI and commercial projects in which was responsible for the preparation and conducting of custom tests to demonstrate the feasibility of concepts in laboratory and/or pilot-scale (up to TRL 7). Savonia is an integral part of the innovation ecosystem in Kuopio, Finland - leading the Kuopio Water Cluster (KWC) and in this dimension will contribute to WP3 (A 3.1). Mentors in mentoring programme.

953 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 7

LP/PP	Project Partner
Partner Status	Active
Active from	22/09/2022
Inactive from	

Partner name:

Organisation in original language	Politechnika Warszawska (23 / 250 characters)
Organisation in English	Warsaw University of Technology (31 / 250 characters)
Department in original language	Wydział Instalacji Budowlanych, Hydrotechniki i Inżynierii Środowiska (69 / 250 characters)
Department in English	Faculty of Building Services, Hydro and Environmental Engineering (65 / 250 characters)

Partner location and website:

Address	pl. Politechniki 1 (18 / 250 characters)	**Country**	Poland
Postal Code	00-661 (6 / 250 characters)	**NUTS1 code**	Makroregion województwo mazowieckie
Town	Warszawa (8 / 250 characters)	**NUTS2 code**	Warszawski stołeczny
Website	www.pw.edu.pl (13 / 100 characters)	**NUTS3 code**	Miasto Warszawa

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5250005834
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL5250005834 (12 / 50 characters)
PIC	999884052 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	85.42 - Tertiary education	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

The role of WUT as a higher education/research facility will be to provide the knowledge of water reclamation technologies that are already well developed and those still in the research phase, prepare research plans and propositions of experiments. Its role will consist also on carrying out the research according to the plan, in the laboratory and on pilot stations, in terms of precise analysis of the samples and interpretation of the results. WUT can also offer its laboratories to collaborate with other Partners. University's role will also consist on preparation of research papers that can be published in journals from JCR list to share the results of experiments, as well as promotion of the project by participating in various international conferences on circular economy and water management, execution of workshops for kids and teenagers and running a campaign in social media targeted towards adult audience.

925 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 8

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Samsø Kommune

13 / 250 characters

Organisation in English Samsø Municipality

18 / 250 characters

Department in original language Teknisk Forvaltning

19 / 250 characters

Department in English Technical Administration

24 / 250 characters

Partner location and website:

Address Søtofte 10

10 / 250 characters

Postal Code 8305

4 / 250 characters

Town Samsø

5 / 250 characters

Website www.samsoe.dk

13 / 100 characters

Country Denmark

NUTS1 code Danmark

NUTS2 code Midtjylland

NUTS3 code Vestjylland

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	23795515
VAT Number Format	DK + 8 digits
VAT Number	N/A ☐ DK23 79 55 15 (13 / 50 characters)
PIC	919340878 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Partly

VAT explanation

In the projects, the VAT in bookkeeping depends on whether the VAT is eligible or not in the project.

101 / 1,000 characters

Role of the partner organisation in this project:

Samsø will be leader of pilot and partner in another pilots in WP2 – piloting and evaluating solutions.

103 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 9

LP/PP	Project Partner		
Partner Status	Active		
	Active from 22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Schwander Polska sp. z o.o. spółka komandytowa (46 / 250 characters)
Organisation in English	Schwander (9 / 250 characters)
Department in original language	N/A (3 / 250 characters)
Department in English	N/A (3 / 250 characters)

Partner location and website:

Address	Stadła 234 10 / 250 characters	**Country**	Poland
Postal Code	33-330 6 / 250 characters	**NUTS1 code**	Makroregion południowy
Town	Grybów 6 / 250 characters	**NUTS2 code**	Małopolskie
Website	www.schwander.pl 16 / 100 characters	**NUTS3 code**	Nowosądecki

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	7343516422
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL7343516422 12 / 50 characters
PIC	N/A 3 / 9 characters

Partner type:

Legal status	b) Private	
Type of partner	Small and medium enterprise	Micro, small, medium enterprises < 250 employees, ≤ EUR 50 million turnover or ≤ EUR 43 million balance sheet total
Sector (NACE)	33.20 - Installation of industrial machinery and equipment	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Financial data	**Reference period**	01/01/2020 –	31/12/2020
	Staff headcount [in annual work units (AWU)]		24.8
	Employees [in AWU]		0.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]		23.8
	Owner-managers [in AWU]		1.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]		0.0
	Annual turnover [in EUR]		6,593,230.41
	Annual balance sheet total [in EUR]		4,621,046.15
	Operating profit [in EUR]		573,254.18

Role of the partner organisation in this project:

Schwander will designate a wastewater treatment plant suitable for pilot installation, taking into account local opportunities for treated wastewater reuse, ensuring the design and implementation of the pilot technology intended to reclaim water from domestic/urban wastewater for combined irrigation and fertilization purpose.

Overall system will allow producing high-quality effluent meeting the European regulatory standards for irrigation of crops, while preserving the content of nutrients relevant for the fertilization effect (Regulation EU 2020/741 of European Parliament and of Council on minimum requirements for water reuse). The technology will combine Membrane Bioreactor and UV disinfection and will be equipped with a control and monitoring unit.

Partner will conduct systematic research to confirm the effectiveness of the pilot, collect and document test results for data analysis and ensure their translation into the languages of other partners. Mentors in mentoring programme.

999 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 10

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji w m.st. Warszawie

68 / 250 characters

Organisation in English Municipal Water and Sewerage Company in Warsaw

46 / 250 characters

Department in original language Biuro Badań i Nowych Technologii

32 / 250 characters

Department in English Research and New Technologies Office

36 / 250 characters

Partner location and website:

Address Plac Starynkiewicza 5

21 / 250 characters

Postal Code 02-015

6 / 250 characters

Town Warsaw

6 / 250 characters

Website https://www.mpwik.com.pl

24 / 100 characters

Country Poland

NUTS1 code Makroregion województwo mazowieckie

NUTS2 code Warszawski stołeczny

NUTS3 code Miasto Warszawa

Partner ID:

Organisation ID type Tax identification number (NIP)

Organisation ID 5250005662

VAT Number Format PL + 10 digits

VAT Number **N/A** ☐ PL5250005662

12 / 50 characters

PIC n/a

3 / 9 characters

Partner type:

Legal status	a) Public	
Type of partner	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)
Sector (NACE)	36.00 - Water collection, treatment and supply	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

We are the leader of a Pilot 1 in Work Package 2. Our task is to implement innovative solutions to achieve a closed water cycle. For this purpose, at one of our wastewater treatment plants, a pilot station will be set up to test various processes aimed at increasing disinfection efficiency, limit the formation of by-products and in order to increase the removal of micropollutants, including ozonation, coagulation and adsorption on various sorbents. We will prepare analysis of reclaimed water towards the reuse for needs. We will tackle every-day operation, sampling, physio-chemical analyzes and data collection. Thanks to many years of activity, we have extensive experience and can develop a technology that allows to obtain water meeting the most restrictive requirements - water for human consumption. At the same time, we are a target group due to our "Infrastructure and public service provider" status. Mentors in mentoring programme.

946 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 11

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Samsø Spildevand A/S (20 / 250 characters)
Organisation in English	Samsø Wastewater Utility (24 / 250 characters)
Department in original language	Teknik (6 / 250 characters)
Department in English	Technical Planning (19 / 250 characters)

Partner location and website:

Address	Slagterivej 28 (14 / 250 characters)	**Country**	Denmark
Postal Code	8305 (4 / 250 characters)	**NUTS1 code**	Danmark
Town	Brundby Mark (12 / 250 characters)	**NUTS2 code**	Midtjylland
Website	www.samsoespildevand.dk (23 / 100 characters)	**NUTS3 code**	Østjylland

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	32749429
VAT Number Format	DK + 8 digits
VAT Number	N/A ☐ DK32 74 94 29 (13 / 50 characters)
PIC	920442992 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)
Sector (NACE)	37.00 - Sewerage	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	Partly
VAT explanation	In the projects, the VAT in bookkeeping depends on whether the VAT is eligible or not in the project. (101 / 1,000 characters)

Role of the partner organisation in this project:

Samsø will be partner in pilot(s) in WP2 – piloting and evaluating solutions. Mentors in mentoring programme.

110 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 12

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	sabiedrība ar ierobežotu atbildību "Jūrmalas ūdens" (51 / 250 characters)
Organisation in English	Jurmala Water Utility (Jurmalas udens Ltd.) (43 / 250 characters)
Department in original language	Projekta ieviešanas vienība (27 / 250 characters)
Department in English	Project implementation unit (27 / 250 characters)

Partner location and website:

Address	1a Promenades iela (18 / 250 characters)	**Country**	Latvia
Postal Code	LV-2015 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Jurmala (7 / 250 characters)	**NUTS2 code**	Latvija
Website	www.jurmalasudens.lv (20 / 100 characters)	**NUTS3 code**	Pierīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	40003275333
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV40003275333 (13 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)
Sector (NACE)	37.00 - Sewerage	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

Project partner, main activity - pilot project realisation in WP2. Mentors in mentoring programme.

98 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 13

LP/PP	Project Partner		
Partner Status	Active		
	Active from 22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Šiaulių prekybos, pramonės ir amatų rūmai (41 / 250 characters)

Organisation in English	Siauliai Chamber of Commerce, Industry and Crafts (49 / 250 characters)
Department in original language	- (1 / 250 characters)
Department in English	- (1 / 250 characters)

Partner location and website:

Address	Vilniaus 88 (11 / 250 characters)	**Country**	Lithuania
Postal Code	LT-76285 (9 / 250 characters)	**NUTS1 code**	Lietuva
Town	Siauliai (8 / 250 characters)	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
Website	www.rumai.lt (13 / 100 characters)	**NUTS3 code**	Šiaulių apskritis

Partner ID:

Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	110067596
VAT Number Format	LT + 9 digits
VAT Number	N/A ☐ LT100675917 (11 / 50 characters)
PIC	940751300 (9 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Business support organisation	Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
Sector (NACE)	94.11 - Activities of business and employers membership organisations	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Financial data	**Reference period**	01/01/2020	–	31/12/2020
	Staff headcount [in annual work units (AWU)]			10.0
	Employees [in AWU]			10.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			0.0
	Owner-managers [in AWU]			0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			469,275.00
	Annual balance sheet total [in EUR]			186,760.00
	Operating profit [in EUR]			0.00

Role of the partner organisation in this project:

Siauliai Chamber of Commerce, Industry and Crafts will be an institution responsible for raising awareness and building the capacity of decision makers. SCCIC has knowledge and expertise in water microplastic pollution and capacity building of decission makers (Public authorities, businesses and community) gained during BSR Interreg project Fanplesstic – sea. https://www.swedenwaterresearch.se/en/projekt/fanplesstic-2/. SCCIC has a well-developed cooperation network of businesses, governmental, educational institutions and NGOs, so will communicate stakeholders and engage relevant organisations to address a common challenge, reach out to target groups in order to bring willingness to act for a real change. Mentors in mentoring programme.

747 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 14

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	SIA "VNK serviss" (17 / 250 characters)
Organisation in English	VNK serviss, Ltd. (17 / 250 characters)
Department in original language	N/A (3 / 250 characters)
Department in English	N/A (3 / 250 characters)

Partner location and website:

Address	Rūpnīcas iela 2-31 (18 / 250 characters)	**Country**	Latvia
Postal Code	LV-3615 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Ugāle (5 / 250 characters)	**NUTS2 code**	Latvija
Website	www.vnkserviss.lv (17 / 100 characters)	**NUTS3 code**	Kurzeme

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	41203017566
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV41203017566 (13 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)
Sector (NACE)	37.00 - Sewerage	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

Project partner, main activity - pilot project realisation in WP2. Mentors in mentoring programme.

98 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ◉ No

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language: WWF Polska (10 / 250 characters)

Organisation in English: WWF Poland (10 / 250 characters)

Department in original language: x (1 / 250 characters)

Department in English: x (1 / 250 characters)

Legal status: b) Private

Type of associated organisation: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Usypiskowa 11 (13 / 250 characters)

Country: Poland

Postal Code: 02-386 (6 / 250 characters)

Town: Warszawa (8 / 250 characters)

Website: www.wwf.pl (10 / 100 characters)

Role of the associated organisation in this project:

WWF provides knowledge about environmental risk by performing an advisory role for project partners. Supports activities related to WP3.
Member of Advisory board of the project. Mentors in mentoring programme.

209 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language: Eesti Vee-ettevotete Liit (25 / 250 characters)

Organisation in English: Estonian Water Works Association (33 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: a) Public

Type of associated organisation: Interest group — Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address: Jarvevana tee 3 (15 / 250 characters)

Country: Estonia

Postal Code: 10132 (5 / 250 characters)

Town: Tallinn (7 / 250 characters)

Website: www.evel.ee (11 / 100 characters)

Role of the associated organisation in this project:

The Estonian association will be consulted on the project deliverables. Because we don't have a partner from Estonia, EVEL will serve as a contact point with Estonian waste water plant operators.
Member of Advisory board of the project. Mentors in mentoring programme.

268 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language: Pohjois-Savo Liitto
19 / 250 characters

Organisation in English: Regional Council of Pohjois-Savo
32 / 250 characters

Department in original language: N/A
3 / 250 characters

Department in English: N/A
3 / 250 characters

Legal status: a) Public

Type of associated organisation: Regional public authority — Regional council, etc.

Associated organisation location and website:

Address: Sepänkatu 1
11 / 250 characters

Country: Finland

Postal Code: 70100
5 / 250 characters

Town: Kuopio
6 / 250 characters

Website: www.pohjois-savo.fi/en/
23 / 100 characters

Role of the associated organisation in this project:

Connecting new possible target groups, networking. Member of Advisory board of the project. Mentors in mentoring programme.
123 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language
Klaipėdos vanduo
16 / 250 characters

Organisation in English
Klaipeda water
14 / 250 characters

Department in original language
n/a
3 / 250 characters

Department in English
n/a
3 / 250 characters

Legal status
a) Public

Type of associated organisation
Infrastructure and public service provi
Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address
Ryšininkų str. 11
17 / 250 characters

Country
Lithuania

Postal Code
LT-91116
9 / 250 characters

Town
Klaipėda
8 / 250 characters

Website
https://www.vanduo.lt/
22 / 100 characters

Role of the associated organisation in this project:

The utility will facilitate the contact with other water utilities. Member of Advisory board of the project. Mentors in mentoring programme.
140 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language: Jūrmala
7 / 250 characters

Organisation in English: Administration of Jurmala local government
42 / 250 characters

Department in original language: Development department
22 / 250 characters

Department in English: Development department
22 / 250 characters

Legal status: a) Public

Type of associated organisation: Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address: Dubultu prospekts 2
19 / 250 characters

Country: Latvia

Postal Code: LV 2015
7 / 250 characters

Town: Jurmala
7 / 250 characters

Website: www.jurmala.lv
14 / 100 characters

Role of the associated organisation in this project:

The municipality will be cooperating with the Jurmala water utility and other municipalities. It will facilitate contact with other municipalities
146 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language: Kuršėnų vandenys (16 / 250 characters)

Organisation in English: Kursenu vandenys (16 / 250 characters)

Department in original language: - (1 / 250 characters)

Department in English: - (1 / 250 characters)

Legal status: a) Public

Type of associated organisation: Infrastructure and public service provi — Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address: Gergždelių g. 44 (16 / 250 characters)

Country: Lithuania

Postal Code: LT-81140 (8 / 250 characters)

Town: Kursenai (8 / 250 characters)

Website: www.kursenuvandenys.lt (22 / 100 characters)

Role of the associated organisation in this project:

Expertize in water quality, contamination and flows situation, needs of consumers and possibility of pilots practical application, network of water supply organisations in the region.

183 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language
Latvijas Vides, ģeoloģijas, meteoroloģijas centrs
49 / 250 characters

Organisation in English
Latvia Center for Environment, Geology and Meteorology
54 / 250 characters

Department in original language
Iekšzemes ūdeņu nodaļa
22 / 250 characters

Department in English
Department of inland waters
27 / 250 characters

Legal status
a) Public

Type of associated organisation
National public authority
Ministry, etc.

Associated organisation location and website:

Address
Maskavas iela 165
17 / 250 characters

Country
Latvia

Postal Code
LV - 1019
9 / 250 characters

Town
Riga
4 / 250 characters

Website
https://videscentrs.lvgmc.lv/
29 / 100 characters

Role of the associated organisation in this project:

As organisation, responsible about implementation of Water Framework Directive, LVGMC will be directly interested in the implementation of nutrient reduction activities
168 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language: Samsø Landboforening
20 / 250 characters

Organisation in English: Samsø Farmers Association
25 / 250 characters

Department in original language: n/a
3 / 250 characters

Department in English: n/a
3 / 250 characters

Legal status: a) Public

Type of associated organisation: Interest group — Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address: Museumsvej 1
12 / 250 characters

Country: Denmark

Postal Code: 8305
4 / 250 characters

Town: Samsø
5 / 250 characters

Website: velas.dk
8 / 100 characters

Role of the associated organisation in this project:

Early involvement, networking and connecting solutions with relevant target-groups. Samsø Landboforening is managed with Velas consulting group.
144 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language: EurEau (6 / 250 characters)

Organisation in English: EurEau (6 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: b) Private

Type of associated organisation: Interest group — Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address: Rue du Luxembourg 47-51 (23 / 250 characters)

Country: Belgium

Postal Code: B-1050 (6 / 250 characters)

Town: Brussels (8 / 250 characters)

Website: www.eureau.org (14 / 100 characters)

Role of the associated organisation in this project:

Eureau is an organization of water operators in Europe. It has a strong representation of the countries of the Baltic Sea region. Competence building is a very important task of EurEau. EurEau has a working group on water reuse that exchanges knowledge about good practices and elaborates opinions and positions on the EU policy on water reuse (Regulation 2020/741, guidelines of the JRC). The results of WP2 will be presented during the working group meetings. Thanks to the holistic approach of the working group to the issue of water recovery (all of Europe), project partners can be inspired by solutions from other regions. Mentors in mentoring programme.

660 / 1,000 characters

2.3 Associated Organisation Details - AO 10

Associated organisation name and type:

Organisation in original language
VIA University College
22 / 250 characters

Organisation in English
VIA University College
22 / 250 characters

Department in original language
VIA Byggeri, Energi, Vand & Klima
33 / 250 characters

Department in English
Research Centre for Built Environment, Energy, Water and Climate
64 / 250 characters

Legal status
a) Public

Type of associated organisation
Higher education and research instituti
University faculty, college, research institution, RTD facility, research cluster, etc.

Associated organisation location and website:

Address
Chr. M. Østergaardsvej 4
24 / 250 characters

Country
Denmark

Postal Code
8700
4 / 250 characters

Town
Horsens
7 / 250 characters

Website
https://en.via.dk/research/built-environment-energy-water-and-climate
69 / 100 characters

Role of the associated organisation in this project:

VIA University College will provide support for pilot activities in WP2, connecting with all other ongoing water reuse projects to multiply ReNutriWater project impact.
168 / 1,000 characters

2.3 Associated Organisation Details - AO 11

Associated organisation name and type:

Organisation in original language: Ministerstwo Infrastruktury (27 / 250 characters)

Organisation in English: Ministry of Infrastructure (26 / 250 characters)

Department in original language: Departament Gospodarki Wodnej i Żeglugi Śródlądowej (51 / 250 characters)

Department in English: Department of Water Management and Inland Navigation (52 / 250 characters)

Legal status: a) Public

Type of associated organisation: National public authority — Ministry, etc.

Associated organisation location and website:

Address: Chałubińskiego 4/6 (18 / 250 characters)

Country: Poland

Postal Code: 00-928 (6 / 250 characters)

Town: Warsaw (6 / 250 characters)

Website: www.gov.pl (10 / 100 characters)

Role of the associated organisation in this project:

The Ministry is responsible for the implementation of the provisions of the EU regulation on water reuse (2020/741). It declares an interest in collecting good practices. Through its legislative obligations, it is also interested in organizational solutions and provisions related to risk assessment. The ministry will participate in workshops and consultations. We also intend to encourage it to fill in the questionnaire and establish cooperation with national authorities from other BSR countries.

500 / 1,000 characters

2.3 Associated Organisation Details - AO 12

Associated organisation name and type:

Organisation in original language: Tahkon kyläyhdistys ry (22 / 250 characters)

Organisation in English: Tahko Village Association (25 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: b) Private

Type of associated organisation: Interest group — Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address: Lukkarinkatu 3 B 14 (19 / 250 characters)

Country: Finland

Postal Code: 70100 (5 / 250 characters)

Town: Kuopio (6 / 250 characters)

Website: www.tahkonkylayhdistys.com (26 / 100 characters)

Role of the associated organisation in this project:

Tahko Village Association is a partnership of small touristic business in Tahko region. Tahko Village Association will be connected to the project (in WP1 and WP2) and allow for increase uptake of solutions proposed in the project.

232 / 1,000 characters

2.3 Associated Organisation Details - AO 13

Associated organisation name and type:

Organisation in original language: Tahkon Kehitys Oy (17 / 250 characters)

Organisation in English: Tahko Development Oy (20 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: b) Private

Type of associated organisation: Business support organisation

Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.

Associated organisation location and website:

Address: Tahkolaaksontie 4 A (19 / 250 characters)

Country: Finland

Postal Code: 73310 (5 / 250 characters)

Town: Tahkovuori (10 / 250 characters)

Website: https://www.tahkonkehitys.fi (28 / 100 characters)

Role of the associated organisation in this project:

Tahko Development is a partnership of companies operating for future development in smart and sustainable Tahko touristic region. Tahko Development will be connected to the project (in WP1 and WP2) and allow for increase uptake of solutions proposed in the project.

266 / 1,000 characters

2.3 Associated Organisation Details - AO 14

Associated organisation name and type:

Organisation in original language: Ecoloop AB (10 / 250 characters)

Organisation in English: Ecoloop (7 / 250 characters)

Department in original language: N/a (3 / 250 characters)

Department in English: N/a (3 / 250 characters)

Legal status: b) Private

Type of associated organisation: Small and medium enterprise

Micro, small, medium enterprises < 250 employees, ≤ EUR 50 million turnover or ≤ EUR 43 million balance sheet total

Associated organisation location and website:

Address: Ringvägen 100 (13 / 250 characters)

Country: Sweden

Postal Code: 11860 (5 / 250 characters)

Town: Stockholm (9 / 250 characters)

Website: www.ecoloop.se (14 / 100 characters)

Role of the associated organisation in this project:

Ecoloop is an environmental consulting company driving development for a sustainable use of water, materials and energy. Ecoloop is also a co-owner of VA-guiden AB, which is an independent company promoting knowledge transfer in water and sewage management. In this project, Ecoloop is a target group for communications and transferring solutions. Mentors in mentoring programme.

380 / 1,000 characters

2.3 Associated Organisation Details - AO 15

Associated organisation name and type:

Organisation in original language	Przedsiębiorstwo Wodociągów i Kanalizacji sp. z o.o. w Mińsku Mazowieckim (74 / 250 characters)
Organisation in English	Water and sewerage company in Minsk Mazowiecki (46 / 250 characters)
Department in original language	N/a (3 / 250 characters)
Department in English	N/a (3 / 250 characters)
Legal status	a) Public
Type of associated organisation	Infrastructure and public service provi — Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address	Józefa Mireckiego 20 (20 / 250 characters)	**Country**	Poland
Postal Code	05-300 (6 / 250 characters)		
Town	Mińsk Mazowiecki (16 / 250 characters)		
Website	pwikminsk.pl (12 / 100 characters)		

Role of the associated organisation in this project:

Organization will be sharing the results of the project to other wastewater treatment plants. It will be also interested in implementing project ideas at own WWTP. Member of Advisory board of the project. Mentors in mentoring programme.

236 / 1,000 characters

2.3 Associated Organisation Details - AO 16

Associated organisation name and type:

Organisation in original language
Przedsiębiorstwo Gospodarki Komunalnej i Mieszkaniowej Sp. z o.o. w Działdowie
78 / 250 characters

Organisation in English
Municipal and housing enterprise in Dzialdowo
45 / 250 characters

Department in original language
N/a
3 / 250 characters

Department in English
N/a
3 / 250 characters

Legal status
a) Public

Type of associated organisation
Infrastructure and public service provi
Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address
Gen. J. Hallera 32
18 / 250 characters

Country
Poland

Postal Code
13-200
6 / 250 characters

Town
Działdowo
9 / 250 characters

Website
www.pgkim.com.pl
16 / 100 characters

Role of the associated organisation in this project:

Organization will be sharing the results of the project with other wastewater treatment facilities, it will be also interested in implementing project solutions at own WWTP
172 / 1,000 characters

2.3 Associated Organisation Details - AO 17

Associated organisation name and type:

Organisation in original language
Miejskie Wodociągi i Kanalizacja w Bydgoszczy
45 / 250 characters

Organisation in English
Urban Waterworks and Sewerage in Bydgoszcz
42 / 250 characters

Department in original language
n/a
3 / 250 characters

Department in English
n/a
3 / 250 characters

Legal status
a) Public

Type of associated organisation
Infrastructure and public service provi
Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address
Toruńska 103
12 / 250 characters

Country
Poland

Postal Code
85-817
6 / 250 characters

Town
Bydgoszcz
9 / 250 characters

Website
www.mwik.bydgoszcz.pl
21 / 100 characters

Role of the associated organisation in this project:

This organization is in the target group. It declared involvement in all the WPs as consulting expert with experience and knowledge about the needs.
148 / 1,000 characters

2.3 Associated Organisation Details - AO 18

Associated organisation name and type:

Organisation in original language: Hydrosfera Józefów (18 / 250 characters)

Organisation in English: Hydrosphere Józefów (19 / 250 characters)

Department in original language: Dział Eksploatacji (18 / 250 characters)

Department in English: Operation Department (20 / 250 characters)

Legal status: a) Public

Type of associated organisation: Infrastructure and public service provi — Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Associated organisation location and website:

Address: Aleja Drogowców 20 (18 / 250 characters)

Country: Poland

Postal Code: 05-420 (6 / 250 characters)

Town: Józefów (7 / 250 characters)

Website: www.hydrosfera-jozefow.pl (25 / 100 characters)

Role of the associated organisation in this project:

This water utility was asked by a hotel and a golf course operator to supply it with reclaimed water for irrigation. Hydrosfera Józefów is looking for a solution and will follow our deliverables, consult and provide ideas.

222 / 1,000 characters

2.3 Associated Organisation Details - AO 19

Associated organisation name and type:

Organisation in original language: Pohjois-Pohjanmaan Liitto (25 / 250 characters)

Organisation in English: Council of Oulu Region/EUSBSR PAC Tourism (41 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: a) Public

Type of associated organisation: Regional public authority — Regional council, etc.

Associated organisation location and website:

Address: Poratie 5 A (12 / 250 characters)

Country: Finland

Postal Code: 90140 (5 / 250 characters)

Town: OULU (4 / 250 characters)

Website: www.pohjois-pohjanmaa.fi (24 / 100 characters)

Role of the associated organisation in this project:

PA Tourism is an important target group for project information and results. Pohjois-Pohjanmaan liitto will be invited to participate project activities, events and workshops, and requested to distribute project infomation if applicable to their target groups.

261 / 1,000 characters

2.3 Associated Organisation Details - AO 20

Associated organisation name and type:

Organisation in original language	Tukuma novada pašvaldības (25 / 250 characters)
Organisation in English	Tukums Municipality (19 / 250 characters)
Department in original language	Attīstības nodaļa (17 / 250 characters)
Department in English	Development Department (22 / 250 characters)
Legal status	a) Public
Type of associated organisation	Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address	Talsu iela 4 (12 / 250 characters)	**Country**	Latvia
Postal Code	LV-3101 (7 / 250 characters)		
Town	Tukums (6 / 250 characters)		
Website	www.tukums.lv (13 / 100 characters)		

Role of the associated organisation in this project:

The municipality will participate in workshops and consultationsvfrt. It will consider implementing one of the solutions.

121 / 1,000 characters

2.3 Associated Organisation Details - AO 21

Associated organisation name and type:

Organisation in original language
Pomorska Regionalna Organizacja Turystyczna
45 / 250 characters

Organisation in English
The Pomeranian Regional Tourist Organization/ PAC Tourism
57 / 250 characters

Department in original language
n/a
3 / 250 characters

Department in English
n/a
3 / 250 characters

Legal status
a) Public

Type of associated organisation
Sectoral agency
Local or regional development agency, environmental agency, energy agency, employment agency, etc.

Associated organisation location and website:

Address
Wały Jagiellońskie 2a, Brama Wyżynna
36 / 250 characters

Country
Poland

Postal Code
80.887
6 / 250 characters

Town
GDANSK
6 / 250 characters

Website
https://www.prot.gda.pl/
24 / 100 characters

Role of the associated organisation in this project:

PA Tourism is an important target group for project information and results.The Pomeranian Regional Tourist Organisation will be invited to participate project activities, events and workshops, and requested to distribute project infomation if applicable to their target groups.
279 / 1,000 characters

3. Relevance

3.1 Context and challenge

The drought of 2018 caused significant economic losses in many countries in the Baltic Sea region. This affects not only agriculture but also cities and recreational areas. Prolonged drought also reduces the amount of drinking water available to society, and water utilities may also need to regulate water use by consumers and industry. Therefore, the challenge is to save drinking water and groundwater by recovering water from wastewater. Using recovered, nutrient-rich effluent will also lead to a reduction in artificial fertilisation. However, this requires making local, regional, and national authorities aware that the requirements for the quality of treated wastewater (especially levels of nitrogen and phosphorus removal) must meet local needs. Properly prepared water can reduce fertilisation. So the general challenge is to save water, resources, and nutrients. A specific challenge is to propose solutions, popularise knowledge and break stereotypes, i.e. education. An important aspect is to show that water reuse can be an attractive economic activity and innovation driver. Hence the involvement of SMEs, which can commercialise new solutions in partnership with future end-users. With a population of over 60 mln, the BSR market size provides significant opportunities for local companies and widens cooperation with southern countries tackling water stress.

1,377 / 2,000 characters

3.2 Transnational value of the project

All Baltic Sea region countries are responsible for mitigating eutrophication of the Baltic Sea. We can do it by reducing the use of fertilisers and using appropriate wastewater treatment systems. If nutrients are not discharged into water, they can replace or supplement fertilisation. Adequate drinking water preparation techniques exist in many places. Still, since there are varied techniques, implementation processes, and needs, international knowledge transfer would significantly increase capacity building in the region. International cooperation can provide knowledge exchange, pilot different solutions and practices and give guidelines on how to increase the sustainability of local, regional and national water management. ReNutriWater will improve water reclamation in the BSR by harnessing the knowledge and identifying partners' needs from several countries, capitalising on the critical mass of international target groups engaged at the project proposal phase for successful implementation. The choice of partners reflects the diversification of challenges but also opportunities. Poland will provide a pilot case in the capital city and a case for an individual business, where specific needs for the maintenance of recreational areas (e.g. irrigation, production of artificial snow) with simultaneous care for the lake are needed. The Samsø island in Denmark will test solutions for local use in areas where groundwater is scarce. In Latvia, the pilot is located in a seaside tourist city. Incorporating cases in Finland supports the perspective of application in harsh environments and contrasting water management drivers. By collecting and analysing experience from these different pilots, ReNutriWater can provide extensive guidance to stakeholders with diverse challenges, regardless of the country.

1,825 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Local public authority	We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions. (460 / 500 characters)	The local public authorities (LPA) are the strategic target group for reclaimed water use in BSR regions. They are crucial for making decisions unlocking the enormous potential urban water reuse has - if only the need to maintain green areas, street maintenance, or dust control measures. LPA must conserve water resources, limit drinking water consumption, and ensure the well-being of cities today and in the future. However, they need to be familiar with and convinced of water reuse solutions. For this purpose, it is necessary to clarify risk management issues and build local competencies. International exchange and collaboration are essential. This target group need to understand the challenge and learn about the possibilities for the sewage treatment plant operators (another target group included in the ReNutriWater project). (838 / 1,000 characters)

Target group	Sector and geographical coverage	Its role and needs
Infrastructure and public service provid	The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany). 486 / 500 characters	The infrastructure and public service providers' (IPS) target group is crucial as it is responsible for wastewater treatment and can close the local water cycle. Wastewater treatment plant operators can implement, expand and maintain the water reclamation solutions proposed in this project. Providing infrastructure is crucial for building local solutions in WP2 and beyond. It is necessary to adapt and expand the technology to the local infrastructure thanks to applying the developed achievements. The pilots will prove that the solutions are technically and financially viable. It will be in the interest of this target group to maintain and continue to apply the solutions after the end of the project. This target group needs specific solutions and competencies related to risk management and business models (addressed in WP1). 835 / 1,000 characters
Small and medium enterprise	SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept. 489 / 500 characters	SMEs are interested in exploiting possibilities to offer full-scale solutions for interested end-users. SMEs include potential end-users i.e. hotels, golf course owners, touristic regions development companies and recreational establishment owners/managers. But also, water reuse is driving innovation and possibility for SMEs and large companies (e.g. service and technology providers, machinery and infrastructure vendors). 426 / 1,000 characters
Interest group	We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai chambers of commerce. Among the Associated Organizations is WWF (NGO), with whom we will work closely. 445 / 500 characters	The social impact is essential for the short- and long-term success of the ReNutriWater project. Interest Groups and other consumer organisations help us reach out to stakeholders who want to know with an understandable message. As part of WP3, we aim not only to inform about solutions but also to educate and provide tools for risk management or building business models. The participation of Interest Groups in building awareness is crucial. We will provide them with solutions, IT tools, and guidelines. In addition, interest Groups (as well as NGOs) can support sustainable measures, i.e. the use of reclaimed water, thereby helping the public gain greater awareness and acceptance of reclaimed water. 706 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Sustainable waters

The project provides adjusted solutions, ready-to-use thanks to the output which is composed not only of confirmed technologies but also guidelines on how to check local capacities and how to implement the water reuse system locally. Thanks to it they will take the challenge to reduce water and fertiliser use. Reclaimed water will also be safe due to its proven disinfection capabilities. The risk assessment will indicate possible sources of threats to mitigate.
The overall project goal is to support the sustainable water management in BSR by implementing various methods of water recovery. The specific project objectives include:
- development of an action plan (scope of pilots with procedures) focused on water reuse, that will support the sustainable and curcular water management in BSR,
- implementation of pilots (set of water resuse methods) supporting water reuse in selected regions of BSR,
- establishing the local target group networks which will actively participate in the implementation of project activities and pilots, and will be of a transnational nature, and their activities will take into account the activities of various entities depending on the region of their origin and thir needs,
- development of WaterSafe IT Tool, the that will be used by individual target groups to assess their water & nutrients saving potentials,
- development of Handbook on water reuse (including i.a. description of water resuse methods, risk assessment and sustainable & circular business models),
- transferring of set of solutions (water resuse methods indicated in pilots), WaterSafe IT Tool and Handbook on water reuse to target groups by various activities indicated in communication plan,
- development and implementation of "Safe Water" mentoring programme to support the target gropus in a prepartion of action plans dedicated to implementation of water reuse solutions in their organisations.
All above objectives will be achieved jointly by project partners.

1,980 / 2,000 characters

3.5 Project's contribution to the EU Strategy for the Baltic Sea Region

Please indicate whether your project contributes to the implementation of the Action Plan of the EU Strategy for the Baltic Sea Region (EUSBSR).

(•) Yes ( ) No

Please select which Policy Area of the EUSBSR your project contributes to most.

PA Nutri

Please list the action of this Policy Area that your project contributes to and explain how.

Action 3 indicates the need to properly manage nutrients. The project contributes to the reduction of the use of artificial fertilizers in favor of the use of reclaimed water, in which the content of nutrients is strictly defined. It is a solution in line with the circular economy. Promote solutions to recover and reuse nutrients in municipalities, and encourage new business models where recipients green areas operators) cooperate with water reclamation plants (mostly ww treatment plants operators).
Action 3 also supports the promotion and implementation of the HELCOM Regional Nutrient Recycling Strategy, which is in line with the Project.

649 / 1,500 characters

If applicable, please describe which other Policy Areas of the EUSBSR your project contributes to and how.

The Project contributes to Action 2 of PA Nutri reducing nutrient emissions from urban areas thanks to promoting to use of less fertilizer. Municipalities will be able to apply less fertilizer in parks or lawns by watering with the correct nutrients content. The Project also contributes to PA-Bio-economy, mainly Action 3 because promotes the reusing of water and nutrients strengthening a circular bio-economy. Drinking water requires energy, chemicals, and human work. The use of water that had to be treated in the ww treatment plant anyway can contribute to savings. The Project contributes to PA-Tourism, mainly Action 3 because of protecting natural resources in tourism destinations. Thanks to the opportunity to use reclaimed water in recreational areas (ski areas, golf courses, parks), freshwater resources are saved, and the amount of used drinking water is reduced

877 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents
Baltic Sea Action Plan (BSAP) Project will support BSAP by implementation environmental improvements such as a reduction in nutrient and pollutants inputs to the sea to increase good ecological status of the sea (counteracting eutrophication; counteracting sea pollution) & strengthening science-business-government cooperation to create solutions for municipalities, to adress the local needs and their transfer to other regions in baltic countries (environmentally sustainable sea-based activities) 500 / 500 characters
European Green Deal (EGD) Project will support BSAP by implementation of solutions that focus on reducing water pollution (reducation of nutrient-rich and unsufficently treated sewage to the sea); moving towards a circular economy (reuse of water for economic & agriculture purposes) and improving waste management (reduction of sewage indicated as waste and its and its recycling to the economic cycle & control of nutrients content in sewage sludge and sewage sludge ash). 474 / 500 characters
Integrated Nutrient Management Action Plan (INMAP) - integral part of 2nd CE Action Plan (2020) Project will support INMAP by engagement of wider community of stakeholders affected by nutrient pollution and implementation of solutions for sustainable water management, that can be used to fulfill policy gaps for a more coherent and integrated approach to reducing pollution throughout the nutrient cycles in Baltic Sea region. 427 / 500 characters

3.7 Seed money support

Please indicate whether your project is based on a seed money project implemented in the Interreg Baltic Sea Region Programme 2014-2020.

○ Yes ◉ No

3.8 Other projects: use of results and planned cooperation

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Monitoring of water and sewage management in the context of the implementation of the circular economy assumptions (acronym MonGOS) 131 / 200 characters	Polish National Agency for Academic Exchange (NAWA) under the International Academic Partnerships Programme (2020 - 2022) 121 / 200 characters	MonGOS project produced the Cirrcular Economy (CE) Monotoring Framework for water and wastewater sector in Europe, that proritises the solutions that can be implemented as a part of green transition in EU (six actions - Rethink, Reduce, Remove, Reuse, Recucle, Recover). Project summarizes sustainable and circular management strategies for use of water, nutrients and water-based wastes (sewage sludge, sludges, ashes, etc.). The list of good pratcises (Best practices descriptor “Circular economy in the water and sewage sector”) will be used for hierarchization of the most recommended wastewater treatment solutions in the proposed Intereg project. MonGOS also produced a set of indicators for evaluation of solutions of sustainable water and water-based management and treatment (set of environmental, scial and economic indicators for each area of MonGOS CE framework) Those indicators can be used for evaluation of the effectiveness of solutions implemented in the proposed Interreg proposal. 999 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Sustainable management of phosphorus in the Baltic region (acronym InPhos) 74 / 200 characters	Horizon 2020 program, European Institute of Innovation and Technology - Raw Materials (EIT RMs), under the Regional Innovation Scheme (RIS) Call (2018 - 2021) 158 / 200 characters	InPhos project produced a strategy for sustainable phosphorus (P) management in the Baltic Sea Region by a working group of experts from the Baltic countries – Poland, Germany, Sweden, Finland, Latvia, Lithuania, Estonia and Italy. This strategy is used for evaluation of the P needs/ restrictions in the areas (local and regional context) where pilots in the proposed Interreg proposal will be evaluated. Project InPhos also produced a international networking group (Phoshorus Friends Club) that will be involved in the stakeholders consultations (according to GDPR restrictions). Project InPhos also produced several education materials on sustainable P management in Baltic Sea Region that can be shared with partners of the current proposal, and also can be partly used during the meetings with stakeholders and education activities in the current proposal (raising environmental awareness of the inhabitants of the Baltic Sea Region). 941 / 1,000 characters
Sectoral skills council in water, waste water and reclamation 61 / 200 characters	EU Operational Programme Knowledge Education Development (2020 - 2023) 70 / 200 characters	The sectoral skills council is composed of experts of different specializations in the water sector. It provides knowledge about the necessary competencies in water services. Their description are useful when preparing solutions (WP1). Then we have to adapt the pilots to the local context, but with the possibility of the future expansion of applications in many places. Appropriate knowledge and competencies are key here. On the other hand, in WP3, by sharing the results, we will be able to define the necessary competencies and propose to the Council to include them in the Sectoral Qualifications Framework. The characteristics of international sectoral qualifications can be useful in all the BSR. Cooperation with the Council will be based on consultations and the participation of willing members of the Council as consultants. We will also propose that one meeting of the Council should be devoted to building competences in the activities of water reuse. 965 / 1,000 characters
Sustainable Manure and Nutrient management for reduction of nutrient loss in the BSR region (acronym SuMaNu) 108 / 200 characters	Interreg Baltic Sea Region Programme (2018 - 2021) 50 / 200 characters	SuMaNu project summarized and syntesized results from several international agri-environmental projects focusing on nutrient management. The policy recommendations based on that work were submitted as proposals for measures in the HELCOM's Baltic Sea Regional Nutrient Recycling Strategy and for the updating of the Baltic Sea Action Plan. The results of the SuMaNu project - recommendations for more sustainable use of manure and nutrients in the Baltic Sea Region, are the basis for taking action to protect water in the region under the proposed ReNutriWater project. The developed recommendations are international in nature, taking into account national conditions, and therefore ideally correspond to the challenges defined in the proposed ReNutriWater project. 767 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Water reuse policies advancement for resource efficient European regions (acronym AQUARES) 90 / 200 characters	Interreg Europe Programme (2018 - 2023) 39 / 200 characters	AQUARES addresses the issue of water reuse and aims at 'identifying viable strategies for water reuse' and 'promoting public dialogue to address conflicting interests. We analyzed good practices already elaborated during this project. We plan to cooperate with the project partners to learn from their experience and exchange ideas. The ReNutriWater project will support the implementation of action plans for water resuse, developed by AQUARES project. The collaboration between those two project will be a great networking and experience sharing opportunities on the specific identified topic (water reuse). The ReNutriWater project also will use the 5 joint thematic studies and analyses reports on territorial needs and opportunities for water reuse pathways, developed by the AQUARES project. 797 / 1,000 characters

3.10 Horizontal principles

Horizontal principles	Projects's direct impact
Sustainable development	positive
Non-discrimination including accessibility	neutral
Equality between men and women	neutral

4. Management

Allocated budget 10%

4.1 Project management

☑ **Please confirm that the lead partner and all project partners will comply with the rules for the project management as described in the Programme Manual.**

If relevant, please indicate any other important aspects of the project management, e.g. external entity supporting the lead partner in the management of the project, advisory board, steering committee, any other relevant working groups, etc.

The lead partner is fully responsible for the project's general management, with a delegated Project manager (to monitor and coordinate the project implementation/each month). An Advisory board with representatives of target groups, policymakers, industry organizations & individual experts in water/sewage sector is a body to support, advise, and suggest corrective activities for project strategy. Local working groups will be created for each pilot case study to work on case study implementation.

500 / 500 characters

4.2 Project financial management

☑ **Please confirm that the lead partner and all project partners will comply with the rules for the financial management and control as described in the Programme Manual.**

If relevant, please indicate any other important aspects of the financial management, e.g. external entity supporting the lead partner, positions planned for financial management, involvement of special financial experts (e.g. for public procurement), etc.

The lead partner is fully responsible for the financial management of the project. With the collaboration with project participants representing all partners and with the President of the lead partner, the delegated financial manager will be conducting all financial activities, including internal monitoring (every 6 months). All financial activities will be carried out and reported following public procurement regulations, Interreg call and internal regulations of project partners.

486 / 500 characters

4.3 Input to Programme communication

☑ **Please confirm that you are aware of the obligatory inputs to Programme communication that must be submitted along the pre-defined progress reports, as described in the Programme Manual.**

If relevant, please describe other important aspects of project communication that you plan to introduce, e.g. a communication plan, opening and closing events, social media channel(s) etc.

Centrum Balticum will assign manager&assistant to take care of planning and coordinating project communication. A project management tool will be established for internal communication. External communication will include project website (within Interreg), social media profiles, and project promotion materials (digital and printed). Comms Manager will coordinate interaction with stakeholders (face-to-face and digital). The kick-off event will be organised by lead partner, closing event by CB.

497 / 500 characters

4.4 Cooperation criteria

Please select the cooperation criteria that apply to your project. In your project you need to apply at least three cooperation criteria. Joint development and joint implementation are the obligatory ones you need to fulfill in your project.

Cooperation criteria	
Joint Development	☑
Joint Implementation	☑
Joint Staffing	☑
Joint Financing	☑

5. Work Plan

Number	Work Package Name
1	WP1 Preparing solutions

Number	Group of Activity Name
1.1	Determining preconditions for pilots
1.2	Establishing the local target group networks
1.3	Validating final conditions for pilots
1.4	Determining a scope of the risk assessment for pilots
1.5	Identifying business opportunities and defining scope of functionality of WaterSafe-tool

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilot 1 (P1): Disinfection efficiency of reclaimed water
2.2	Pilot 2 (P2): Composition adjustment of reclaimed water
2.3	Pilot 3 (P3): Breaking barriers for reclaimed water use
2.4	Implementing and testing WaterSafe IT Tool
2.5	Developing a Handbook on water reuse

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	Transfering solutions - communication, activities and tools
3.2	Conducting survey analysis to measure and expand awareness
3.3	Developing and implementing a mentoring programme "Safe Water"

Work plan overview

Period:	1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							**PP5**
A.1.1: Determining preconditions for pilots							PP4
D.1.1: System boundaries defined (report)		D					
A.1.2: Establishing the local target group networks							PP5
D.1.2: 5 local target group networks created	D						
A.1.3: Validating final conditions for pilots							PP7
D.1.3: Final conditions for pilots defined – set of water & nutrients reuse techniques (report)		D					
A.1.4: Determining a scope of the risk assessment for pilots							PP1
D.1.4: Validated scope of the risk analysis for pilots and other BSR regions (report)		D					
A.1.5: Identifying business opportunities and defining scope of functionality of WaterSafe-tool							PP5
D.1.5: Sustainable and circular business models & determined functionality of WaterSafe-tool		D					
WP.2: WP2 Piloting and evaluating solutions							**PP6**
A.2.1: Pilot 1 (P1): Disinfection efficiency of reclaimed water							PP10
D.2.1: Summary of results from pilots, data collection and analysis, reporting					D		
A.2.2: Pilot 2 (P2): Composition adjustment of reclaimed water							PP9
D.2.2: Gathering results from pilots, data collection and analysis, reporting					D		
A.2.3: Pilot 3 (P3): Breaking barriers for reclaimed water use							PP8
D.2.3: Demonstrating smart reclaimed water use and irrigation symbiosis					D		
A.2.4: Implementing and testing WaterSafe IT Tool							PP5
O.2.4: WaterSafe IT Tool					O		
A.2.5: Developing a Handbook on water reuse							PP1
O.2.5: Handbook on safe water reuse					O		
WP.3: WP3 Transferring solutions							**PP2**
A.3.1: Transfering solutions - communication, activities and tools							PP2
O.3.1: Transferred solutions - final report						O	
A.3.2: Conducting survey analysis to measure and expand awareness							PP1
D.3.2: Awareness survey - report					D		
A.3.3: Developing and implementing a mentoring programme "Safe Water"							PP5
D.3.3: Mentoring programme "Safe Water" for target groups						D	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	System boundaries defined (report)	Water system networks include various stages with specific tasks and isn't identical in BSR countries. In project main focus will be to effective use of water resources and re-use options of wastewaters. Since there is different quality of wastewaters, technologies and will be implemented different pilot sites it is necessary to estimate criteria of water flows, nutrients, pollutants, quality standards, size ect. in such systems. Therefore the deliverable will be detailed system boundaries for all pilots, elaborated considering local situation (topicalities, resources and problems) as well as analysis of best known technologies providing solutions for water reuse and recycling especially in respect to nutrient flows. The deliverable includes research framework and research procedures, including identification and description of analytical methods used, timetable of the analysis, reporting and responsibilities of parties and the technical set-up of pilot activity. The deliverable includes proposals from project partners for logistics and expected results for pilot scale demonstrations. Defined system boundaries allow to more precisely analyse system efficiency as well as provides opportunity to compare these systems. This approach allows choosing best available technologies in regard to environmental and economic factors. Deliverable of activity WP1.1.1. will be used to realize further project activities.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
D 1.2	5 local target group networks created	The local target group networks will be a gropus of key stakeholders in the regions covered by the project activities (PL, FL, LV, LT, DK) that will be involved in the verification of the technological solutions used in piloting phase (WP2) and for development of IT tool (WaterSafe-tool). The 5 target group networks will be established with the lokal stakeholders invited. The local target gropus networks will consist of a minimum of 20 representatives of local organizations (business, entrepreneurs, science, society) who may have a direct impact on the implementation of final solutions. Each network will have its own board (chairman, deputy, secretary) and will act as a body supporting the implementation of the project and actively participating in the improvement of solutions and the possibility of their adaptation to local conditions. The general regulation, outlining the roles and responsibilities of the members of the network, translated from the English language into the national language will be confirmed by all targert groups networks and the report of their activities will be provided. The results of networks activities will be integrated on international (project) level to support design of final outputs (O1 & O2). The establishment of local groups is crucial for the implementation of O1 and O2, which require the real involvement of their end-users. Cooperation with these groups will influence the development of final solutions that can be easily implemented in local conditions. The local target group networks will actively participate in the project until the end of its duration.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
D 1.3	Final conditions for pilots defined – set of water & nutrients reuse techniques (report)	Action's deliverable will be the final detailed research framework for all pilots, including precise identification and research procedures, that would take into account present and future water reclamation opportunities, especially those concerning partner countries of the project. The report will contain precise description of methodology and scope of research planned on every pilot station. For pilot station 1, disinfection systems for treated wastewater will be defined, depending on chosen disinfection method. Contact times and/or dosages will be defined, as well as duration of different stages of experiments. For pilot 2, maximum levels of nutrients in reused water will be defined, depending on its application. Methodology of phosphorus and nitrogen removal will be described. For pilot 3, an experimental use of reclaimed water will be explained, regarding watering edible and non-edible plants grown in glasshouses or setup fields. Minimal requirements for reclaimed water to be used for watering edible plants will be determined. Necessary equipment and utilities will be listed, so pilot operators will obtain a detailed description of each action. For each pilot, a schedule of testing and sampling frequency will be listed, considering the impact of seasonality. All indicators having to be checked will be described, together with their methods and frequency of analysis. Entire model of results presentation will be developed, to make gathered results coherent and easy to compare. Such model will allow not only to compare results obtained on different pilot stations, but also to elaborate multivariant conceptions of technological systems for water reuse.	O.2.5 Handbook on safe water reuse	

D 1.4	Validated scope of the risk analysis for pilots and other BSR regions (report)	It is impossible to check the effectiveness of pilots and make them multiplied if the risks related to the state of the environment, health, and well-being of people and the natural environment are not assessed. The result of the group of activities will be the development of guidelines for risk analysis in the future work in WP2. The guidelines will contain the necessary descriptions and definitions, indicate hazards and risks, and explain their importance in water recovery processes. The data in the report will be based on the already existing guidelines and the results from consulting the Target Groups and partners responsible for launching pilots. It will be the basis for the risk assessment conducted during the pilots. The aim of the deliverable is to prepare the outputs section, which will contain information on the risks associated with water recovery. It is part of education aimed at target groups, which aims to build awareness, but also provide tools for risk assessment and its mitigation in water recovery systems. Both the output IT tool and the Handbook will contain instructions related to risk assessment regardless of the location of the recovery system. Any work on the guidelines for risk analysis will involve partners, and at a later stage Target Groups in regions not covered by the project.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
D 1.5	Sustainable and circular business models & determined functionality of WaterSafe-tool	The purpose of this deliverable is to identify and organise the knowledge of business opportunities related to water recovery in the BSR and indicate the scope of the online tool functionality - WaterSafe IT Tool. This deliverable is divided into two sub-areas: 1) The first sub-area is dedicated to the description of the sustainable and circular business models that will be defined for all pilots. It will include a detailed description of different business opportunities (water - resources - energy savings) resulting from the implementation of different technologies of water reuse (P1 - disinfection of reclaimed water; P2 - adjusting the nutrients composition, mainly phosphorus, to the needs of target groups for intended use, e.g., irrigation for agriculture or landscaping; P3 - irrigation symbiosis). They will be integrated into so-called sustainable and circular business models, that will include nine specific areas: customer segments, value propositions, channels, customer relationships, revenue streams, key resources, key activities, key partnerships, and cost structure. 2) The second sub-area is dedicated to a description of the functionality of WaterSafe-tool, which aims to help European companies, especially SMEs, to save energy, material and water costs. This tool will include pathways in the field of water/nutrient recovery; options for the technology selection depending on local needs; initial costs estimations; benefits and risks; final recommendation for specific case studies). The tool will be legible, easy to use, with instructions (manual). The business models and IT tool will have a transnational level due to the integration of knowledge and engagement of local target groups networks from different countries, covered by the project. This deliverable is crucial for the implementation and testing of the IT WaterSafe-tool (O2.4) in piloting phase of the project (WP2.4). Based on this deliverable, the output "O2.4 - IT WaterSafe-tool" will be built.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
D 2.1	Summary of results from pilots, data collection and analysis, reporting	Pilot 1 deliverable will provide science-based recommendations for suitable disinfection processes for the conventional wastewater treatment chain (e.g. based on secondary treatment, disinfection and filtration) across three countries. The results of the individual pilot cases will be summarized individually and then consolidated into Handbook (O 2.5). Moreover, a description of model solutions to be implemented in municipalities and guidelines for implementing the tested solutions will be concluded for general dissemination in WP3. Some key results are necessary for finalizing WaterSafety Tool (O 2.4). The core international action group for P1 activities consists of Municipal Water and Sewerage Company in Warsaw, Warsaw University of Technology, University of Latvia, Savonia, VNK Serviss, Siauliai CCIC, Klaipeda CCIC. Concluded parameters of the system and reclaimed water usage and their quality criteria (defined in WP1) will be evaluated in pilot sites and supported by continuous laboratory tests in each participating country (due to the nature of some samples, measurements have to be done in-situ, not all can be preserved for storage). To meet optimal criteria for reuse of wastewater disinfection plays an essential role not only to provide water quality requirements but also due to use of chemicals or other applied methods, which can create costs for running pilot sites and include elements in defined water reclamation systems and their boundaries (technical feasibility and cost-effectiveness). The interregional dimension is secured within the realities of the planned budget frame, competencies, in-house expertise, and overall partner profile. Each project partner and associate organization were selected in the preliminary phase to complement each other for reaching the overall target with direct pilot activities, knowledge sharing and uptake or adaptation tasks.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	

D 2.2	Gathering results from pilots, data collection and analysis, reporting	This deliverable aims to confirm the pilot's effectiveness and ensure the stable level of nutrients in treated wastewater, supported by the development and implementation of a process control software to ensure meeting the expected parameters. The results of the pilot case will be consolidated into Handbook (O 2.5). This will specifically contribute to this outcome by demonstrating adjustment of the treated effluent quality parameters to the needs of the target groups. Moreover, P2 will provide a concrete example of water reclamation as an effective way to protect water resources. The core P2 action group consists of Schwander Polska, Savonia Jurmala water utility, University of Latvia, Warsaw University of Technology, VNK Serviss, Siauliai and Klaipeda CCIC etc. The core P2 actions are carried out in Poland (Białka Tatrzańska) - due to the full-scale implementation (not mobile unit), replicating a similar setup in other locations is not feasible. VNK serviss will enrich effluent with developed nutritional compositions (by other partners) and will deliver this enriched water for tests to target groups. Other partners and target groups involved will take an active role in planning, knowledge sharing, and assessing reapplication potential based on local requirements. Partners will provide intensive measurement campaigns to provide a seasonal characterization of wastewater effluents and evaluate possible technologies for nutrients adjustments with the technological partner (Schwander) in P2. Obtained real system boundary conditions (Poland), water quality requirements for specific usage of water will be tested in selected partner locations (Finland, Latvia) and reclaimed water will prepared with chosen technologies and tested their efficiency to reach deliverable. SMEs offering reclaimed water composition solutions will be connected by the lead of the Savonia and other interest groups offering a diverse network of partners in the Baltic region and EU.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
D 2.3	Demonstrating smart reclaimed water use and irrigation symbiosis	The purpose of the deliverable is to show that it is possible to reuse wastewater as irrigation and nutrient for agricultural purposes without significant investments into altering existing wastewater treatment systems. P3 is a logical extension to approaches piloted in P1 and P2 (focused on reclaimed water safety and risk assessment) to emphasise actual implementation in the form of demonstration sites which are easy to maintain and will last beyond the duration of the project - because, in most cases, the target group is preparing the site. The results of the individual pilot cases will be summarised individually and then consolidated into Handbook (O 2.5). In addition, some key results are necessary for WaterSafety Tool (O 2.4). The core international action group for P3 consists of Samsø Municipality, Samsø Wastewater Utility, Savonia, Warsaw University of Technology, Warsaw Waterworks, University of Latvia, and VNK Serviss. The diverse and international group in P3 will work together. Each partner was selected to complement the overall target with direct pilot activities, knowledge sharing, and uptake and adaptation tasks in the preliminary phase. Locating pilot greenhouses or city plots irrigated with reclaimed water in four countries (DK, FI, PL and LV) allows for direct exposure of these solutions to target groups and society and collecting hands-on experiences and practicals. Each country site brings a different perspective on the same challenge while securing the same outcome. The geographical spread of demonstration sites in the Baltics allows for convenient access among all members.	O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse	
O 2.4	WaterSafe IT Tool	The purpose of the WaterSafe IT Tool is to serve the knowledge on how much different measures and technological solutions would cost and how much money and resources they can save for unit that would like to implement water reuse method. This IT tool will support national, regional and local organisations across BSR that work with local governments, municipalities, sewage treatment plant operators, SMEs to improve their environmental performance, helping them to become more resource (including water) efficient. The WaterSafe IT Tool will contain a set of procedure algorithms that are to allow for self assessment of water resuse possibilities to help target groups save resources (incl. water) and reduce operating costs, enable the introduction of rational inventory management, effective organization of production, construction and design improvements. The final version of WaterSafe IT Tool will be published based on the scope proposed in WP1.3 and verified by target group networks, and real results coming from WP2.1-WP2.3. There is significant gap between laboratory and pilot or real scale solutions. Therefore closing this gap (based on results from real scale tested solutions in pilots in WP2.1, WP2.2.WP2.3) demands high risk investments for further interested target groups. The WaterSafe IT Tool will have transnational level, due to it will integrate the experiences from three different regions where pilots are conducted, as well as the results of interregional workshops during which the IT tool will be verified by local target group networks. This WaterSafe IT Tool will support the target groups, incl. decision makers & public authorities to improve the implementation of regional development policies and programmes regarding water efficiency (based on real tested technological solutions), generating green growth opportunities and jobs for businesses.		

O 2.5	Handbook on safe water reuse	An important element of the project are 3 pilots that provide solutions for Target Groups. However, the results of work on the development, matching, and universalization of pilots must be collected and properly described so that during WP3 they can be presented to the widest possible group of stakeholders. Besides the pilots themselves, ready for duplication, a Handbook is needed to facilitate further implementation activities. The purpose of developing a Handbook is therefore to organize the results of pilots and describe them in a way that is accessible to recipients. In fact, the Handbook is the main output of the project with several solutions and deliverables. Based on the local target group network created in WP1, the individual deliverables making up the Handbook will be systematically consulted. In this way, we will get an output that will already be reviewed and known to Target Groups. So it will be easier to present it to a wider group of stakeholders. Certain elements of the Handbook (deliverables) are targeted at a specific group. Thus, the risk assessment should be of interest to producers of reclaimed water (Infrastructure and public service providers), but also to local public authorities and some SMEs (recreational area operators). Risk assessment also needs to be presented in some respects to NGOs that care about the environmental and welfare context. In turn, sustainable and circular business models defined for pilots should be described in such a way as to facilitate their implementation through the cooperation of all Target Groups. The pilots developed in WP2 differ from each other, but they propose solutions depending more on the existing infrastructure than on the location in the BSR. All countries need to meet the challenges of fresh water conservation and wise nutrients management. This breaks down borders. However, it should be borne in mind that language may be a barrier in using the Handbook. That is why translation is necessary. The transnational aspect is crucial. All project partners will have their share of data collection or Handbook writing. This will allow us to look from different perspectives, both regarding regions, local conditions, and types of Target Group. The handbook will contain: - description of pilots and their deliverables, - guidelines for the risk assessment, - sustainable circular business models, - IT Water-safe bacis tool description, - chapters dedicated to selected Target Groups.		
O 3.1	Transferred solutions - final report	The purpose of this output is to provice the holistic knowledge generated during the project. This will be the final output of the project that will make it possible to evaluate the effectiveness of the entire project, all deliverables, and previous outputs. This output combines all the developed deliverables and will indicate the number and types of stakeholders involved in the project. The output will consist of a description of the communication plan and its implementation. It will contain information about the implementations undertaken by stakeholders, their plans, needs, successes, and barriers that they did not overcome. Thanks to this, a base will be created for further actions and improvements in order to promote safe water. reuse. The output will be an assessment of the quality of the outputs made in WP2 i.e. Handbook and IT tool. Thanks to transferring solutions, it will be possible to recommend changes to the Handbook and IT tool, plan improvements so that the tools developed in WP2 are interesting and useful for as many stakeholders as possible. The output will show how entities from different countries and different target groups were involved.		
D 3.2	Awareness survey - report	Based on the work on activity WP2 with local target groups, further identification and definition of national and transnational target groups will be provided. The survey will be carried out in the final phase of the project, when solutions from pilots in WP2 are already developed. The survey aims to expand target groups to include entities that need to start water reuse education from the very beginning. Thanks to the survey, we will build new capacities, and also obtain information about the lack of knowlegde and the needs of target groups. So we will obtain information from local governments and infrastructure operators about the barriers that prevent them from developing water reuse solutions. The survey will also provide information about doubts and questions the target groups have and which we will address with project communication (WP3.1.). Thanks to the survey, we will obtain a database of stakeholders who are looking for partners in other BSR locations. It will be an opportunity to revive international cooperation. The result of the survey will help to direct the activities in the last period (6) of the project to the target groups most in need. All partners will be involved.	O 3.1 Transferred solutions - final report	
D 3.3	Mentoring programme "Safe Water" for target groups	The purpose of the "Safe Water" mentoring programme is to develop the competences of employees of target gropus, based on the transferred knowledge and sharing experience by representatives of project partners, while building a partnership relationship. This mentoring programme will help the target groups to prepare an action plan dedicated to implementation of water reuse solutions in their organisations, with the support of the project partners (regular and accosiated). This deliverable will include the description of mentoring programme, roles & resonsibilities of project partners (Mentors and coordinators, and selection committee) and participants in mentoring programme (mentees - representatives of target groups). It will also include the list ans short description of the action plans developed by the target groups during the programme. This deliverable will be integral part of the last project output "O 3.1 Transferred solutions - final report", which will show the effectiveness of the entire project.	O 3.1 Transferred solutions - final report	

Work package 1

5.1 WP1 Preparing solutions

5.2 Aim of the work package

The aim of this work package is to prepare solutions to help address the identified challenge. You can either develop entirely new solutions or adapt existing solutions to the needs of your target groups. Prepare your solutions in a way that you can pilot them in Work Package 2. Consider how you involve your target groups in preparation of the solutions.
Organise your activities in up to five groups of activities to present the actions you plan to implement. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1	PP 5 - Mineral and Energy Economy Research Institute of the Polish Academy of Sciences
Work package leader 2	PP 1 - Chamber of Economy Polish Waterworks

5.4 Work package budget

Work package budget	20%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions. 460 / 500 characters	Local public authorities in most BSR countries have usually very solid connections with waterworks and sewage managing companies. Moreover, in many cases, municipalities have the majority stake in these companies. Therefore, it is planned to act using the fact that the project partnership and the group of associated organisations consist of several water and wastewater managing companies from various BSR countries. With this asset, the project partners will be able to reach key departments responsible for water and wastewater management and through them engage local public authorities and use their experience e.g. for determining preconditions for pilots (WP 1.1) and validating the risk analysis for pilots (WP 1.4). 725 / 1,000 characters
2	Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany). 486 / 500 characters	Infrastructure and public service providers are among key stakeholders in the transformation toward circular economy in the water and sewage sector. Therefore, the project plans to involve wastewater treatment plants from the BSR countries that are feasible for applying water recovery methods in terms of the used treatment technology (nutrient removal) and wastewater effluent quality (nutrient concentration and harmful substances content). By using the partnership and associated organisation that already represent Infrastructure and public service providers it is planned to extend the interest group by their activity in water/sewage associations trades and other important events for this sector. This target group will help the project partners to verify the preconditions for pilots elaborated in WP 1.1 and WP 1.3 by confronting them with the actual needs of infrastructure owners and operators. 906 / 1,000 characters
3	Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept. 489 / 500 characters	SMEs will be reached using the existing connections between the well-represent in the partnership infrastructure and public service providers that have been previously involved in the modernisation and development activities in wastewater treatment plants. Moreover, research-oriented partners will use their connections with SMEs that have been established during the implementation of other R&D projects. As the project involves the participation of chambers of commerce/economy from various BSR countries and innovative SMEs it is assumed to engage more SMEs that will be interested in developing sustainable and circular solutions in wastewater treatment plants in their countries. Leisure operators (hotels, golf courses, ski resorts), will be reached individually by project partners in each BSR country. SMEs will contribute to the identification of business opportunities and defining the scope of functionality of the WaterSafe-tool in WP 1.5. 952 / 1,000 characters
4	Interest group We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai chambers of commerce. Among the Associated Organizations is WWF (NGO), with whom we will work closely. 445 / 500 characters	The project aims to extend the network of already involved interest groups within the partnership and associated organisations. It is planned to use the bottom-up initiative by the members of such groups (associations, chambers of commerce/economy) in different BSR countries. Wastewater utilities involved in the project will aim to promote water reuse from treated wastewater concept by explaining the details of planned pilot actions in the projects. The involvement of interest groups will be useful to conduct a survey on the existing technological solutions in project partner countries (WP 1.1.). Moreover, the existing networks within the interest groups will help during the identification and hierarchisation of other methods of water reuse in WP 1.1. 762 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	Determining preconditions for pilots
1.2	Establishing the local target group networks
1.3	Validating final conditions for pilots
1.4	Determining a scope of the risk assessment for pilots
1.5	Identifying business opportunities and defining scope of functionality of WaterSafe-tool

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 4 - University of Latvia

A 1.1

5.6.2 Title of the group of activities

Determining preconditions for pilots

36 / 100 characters

5.6.3 Description of the group of activities

Objective of WP1.1. is to create system boundaries for the following pilot activities. To reach the aim a survey on the existing technological solutions in project partner countries will be done including analysis of existing technologies, already now functioning solutions for water reuse and recycling. The key attention will be dedicated to used practices on nutrient, especially phosphorous recovery and reuse. Besides to this task best available technologies for wastewater reuse will be analysed and their applicability for the possible piloting situations in the project partner countries will be done. Activity will be split into 2 sub-activities:
WP1.1.1. Preparation of detailed system boundaries that involves all pilots, dedicated to the local current situation and based on local expertise, provided by responsible project partners. Description of the existing technologies and solutions for water reuse & recycling (defined at the application stage), that will be adapted to local conditions of analysed pilots). Definition of system boundaries will include also analysis of legal boundaries (limitations) in respect to nutrient recovery in project partner countries as well as analysis of attitudes in respect to recover nutrients in waste streams. This part of the Work package tasks will help to identify major obstacles and risks in respect to implementation of technologically advanced solutions. This WP includes also identification and hierarchisation of other methods of water reuse that could also be used in the analysed regions, and comparison them with the methods that will be used in the pilotong phase of the project. Lead University of Latvia.
WP1.1.2. Preparation of the research framework and research procedures, including identification and description of analytical methods used for physico-chemical parameters (nutrients, pollutants, etc.), timetable of the analysis, internal reporting and responsibilities of parties. This sub-activity will provide the technical set-up of following piloting activity to convincingly demonstrate the feasibility of the pilot cases and significance of the obtained results. Lead Warsaw University of Technology.

2,183 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.1

Title of the deliverable

System boundaries defined (report)

34 / 100 characters

Description of the deliverable

Water system networks include various stages with specific tasks and isn't identical in BSR countries. In project main focus will be to effective use of water resources and re-use options of wastewaters. Since there is different quality of wastewaters, technologies and will be implemented different pilot sites it is necessary to estimate criteria of water flows, nutrients, pollutants, quality standards, size ect. in such systems. Therefore the deliverable will be detailed system boundaries for all pilots, elaborated considering local situation (topicalities, resources and problems) as well as analysis of best known technologies providing solutions for water reuse and recycling especially in respect to nutrient flows. The deliverable includes research framework and research procedures, including identification and description of analytical methods used, timetable of the analysis, reporting and responsibilities of parties and the technical set-up of pilot activity. The deliverable includes proposals from project partners for logistics and expected results for pilot scale demonstrations. Defined system boundaries allow to more precisely analyse system efficiency as well as provides opportunity to compare these systems. This approach allows choosing best available technologies in regard to environmental and economic factors. Deliverable of activity WP1.1.1. will be used to realize further project activities.

1,428 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Determining preconditions for pilots						
D.1.1: System boundaries defined (report)						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.2

5.6.1 Group of activities leader

Group of activities leader PP 5 - Mineral and Energy Economy Research Institute of the Polish Academy of Sciences

A 1.2

5.6.2 Title of the group of activities

Establishing the local target group networks

44 / 100 characters

5.6.3 Description of the group of activities

Objective of WP1.2 is to establish the local target group networks in the Baltic region, where the project activities (pilots) are conducted (PL, FL, LV, LT, DK) and involve representatives of these groups in creating and verifying solutions that should be adapted to local conditions and needs.
WP1.2.1. Establishing cooperation with local target groups in all regions covered by project (PL, FL, LV, LT, DK) that will be involved in verifying solutions proposed in WP1.1. This taks includes local target groups analysis that will be conducted in three stages: 1) local target groups identification (desk research method - revision of organization registers - national, regional and local; brainstorming, benchmarking & internal datasources of project partners); 2) local target groups assessment (developing a matrix of target grupus in a local area - based on two criteria - Interest / likelihood of conflict - understood as interest in the success / failure of project & Impact - understood as the stakeholder's influence on the project); 3) local target groups management (maintenance and management of local groups networks, including organisation of local target groups meetings, min.2 meetings/ semester / local network). One general regulation, outlining roles and responsibilities of the members of the network, translated from English language into the national language will be developed. Kick-off meeting will be organised by lead partner.
WP1.2.2. Development, distribution and collection of questionnaire aimed at identyfication of determinants influencing a possibility of usage of selected water resuse methods by target groups (including selection of most recommended for local conditions in a given target group unit). The questionaire will include set of legal, technological, social, environmental, economic factors, that are integral part of preconditions defined in WP1.1, as well as the initial scope of functionality of IT tool (WaterSafe-tool) to verify its understandability, usefulness and readability for recipients. Then, focus group interview and in-depth interviews will be conducted during local target groups meetings and individually with selected representatives (face-to-face & digital). These interviews aim to revision of solutions designed in WP1.1 by local target gropus, and verification of proposed condictions for the possible use of proposed solutions in local areas, covered by local target groups networks. This is to collect input from target groups to prepare the final solutions. The results of questionaire analysis and interviews will be utilised in WP1.3 for final desingning the framework of solutions and for final research scheme that will be conducted in pilots phase (WP2). This stage is crucial for the success of the project, as the developed solutions should be adapted to the real needs of these target groups (especially in regions where pilots will be conducted).

2,929 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.2

Title of the deliverable

5 local target group networks created

37 / 100 characters

Description of the deliverable

The local target group networks will be a gropus of key stakeholders in the regions covered by the project activities (PL, FL, LV, LT, DK) that will be involved in the verification of the technological solutions used in piloting phase (WP2) and for development of IT tool (WaterSafe-tool). The 5 target group networks will be established with the lokal stakeholders invited. The local target gropus networks will consist of a minimum of 20 representatives of local organizations (business, entrepreneurs, science, society) who may have a direct impact on the implementation of final solutions. Each network will have its own board (chairman, deputy, secretary) and will act as a body supporting the implementation of the project and actively participating in the improvement of solutions and the possibility of their adaptation to local conditions. The general regulation, outlining the roles and responsibilities of the members of the network, translated from the English language into the national language will be confirmed by all targert groups networks and the report of their activities will be provided. The results of networks activities will be integrated on international (project) level to support design of final outputs (O1 & O2). The establishment of local groups is crucial for the implementation of O1 and O2, which require the real involvement of their end-users. Cooperation with these groups will influence the development of final solutions that can be easily implemented in local conditions.
The local target group networks will actively participate in the project until the end of its duration.

1,617 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: Establishing the local target group networks						
D.1.2: 5 local target group networks created						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.3

5.6.1 Group of activities leader

Group of activities leader PP 7 - Warsaw University of Technology

A 1.3

5.6.2 Title of the group of activities

Validating final conditions for pilots

38 / 100 characters

5.6.3 Description of the group of activities

Objective of WP1.3. is to verify preconditions and establish a final research framework for all pilots, considering the system boundaries developed in WP1.1 and the results of surveys from local target group networks conducted in WP1.2. Detailed identification of pilots' assumptions will be carried out, including necessary physicochemical processes, equipment, materials, activities and systems that will lead to the planned outcomes. The aim of this action is to define three different types of pilot plants, that will be implemented in Partners' countries. One regarding disinfection of treated wastewater for municipal reuse, second regarding composition adjustment of reclaimed water for specific needs of touristic venue in mountain area and third one regarding barriers breaking for reclaimed water reuse for agricultural purposes.
For pilot 1, different disinfection methods will be listed, focusing on advanced oxidation methods, such as ozonation, hydrogen peroxide, UV, LED. Each pilot plant in WP2.1. will be assigned with different disinfection method. For pilot 2, various methods of treatment will be described, changing throughout the year, depending on different use of water. During summer months, methodology will present treatment and adjustments so water can be reused for slopes irrigation. During winter months, so that water could be reused for artificial snow production. Treatment aimed towards discharge to a river will also be considered. For pilot 3, experimental setup will be described, regarding the use of reclaimed water for irrigation of edible and non-edible plants. Each pilot plant in WP2.3. will obtain detailed description of water and soil sampling, depending on its specific use.
Specific guidelines for setup and operation of these pilot plants will be identified in the report, taking into account also the impact of seasonality. Detailed methodology of research activities will be described, pointing out which experiments are necessary to be carried out at each pilot station. Such identification will help to navigate through the entire work package 2, so the final results of experiments will be innovative and point out focus areas of possible further research. The outcome of these actions will be elaboration of preliminary research framework.
Next step will be the verification of developed report. It will be carried out during the workshop meeting with all of the Partners taking part in WP1 and WP2. Based on that, the final research framework will be defined.
The final research framework will describe unified methods of analysis and results presentation, obtained on each pilot plant. Common ties between different pilots will be defined, thanks to which it will be possible to create flexible water reuse systems, concerning different local needs, that will also provide water safe to use and, in case of agricultural use, will allow for intensification of nutrients recycle.

2,947 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.3

Title of the deliverable

Final conditions for pilots defined – set of water & nutrients reuse techniques (report)

88 / 100 characters

Description of the deliverable

Action's deliverable will be the final detailed research framework for all pilots, including precise identification and research procedures, that would take into account present and future water reclamation opportunities, especially those concerning partner countries of the project. The report will contain precise description of methodology and scope of research planned on every pilot station. For pilot station 1, disinfection systems for treated wastewater will be defined, depending on chosen disinfection method. Contact times and/or dosages will be defined, as well as duration of different stages of experiments. For pilot 2, maximum levels of nutrients in reused water will be defined, depending on its application. Methodology of phosphorus and nitrogen removal will be described. For pilot 3, an experimental use of reclaimed water will be explained, regarding watering edible and non-edible plants grown in glasshouses or setup fields. Minimal requirements for reclaimed water to be used for watering edible plants will be determined.
Necessary equipment and utilities will be listed, so pilot operators will obtain a detailed description of each action. For each pilot, a schedule of testing and sampling frequency will be listed, considering the impact of seasonality. All indicators having to be checked will be described, together with their methods and frequency of analysis. Entire model of results presentation will be developed, to make gathered results coherent and easy to compare. Such model will allow not only to compare results obtained on different pilot stations, but also to elaborate multivariant conceptions of technological systems for water reuse.

1,683 / 2,000 characters

Which output does this deliverable contribute to?

O.2.5 Handbook on safe water reuse

34 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Validating final conditions for pilots						
D.1.3: Final conditions for pilots defined – set of water & nutrients reuse techniques (report)						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.4

5.6.1 Group of activities leader

Group of activities leader PP 1 - Chamber of Economy Polish Waterworks

A 1.4

5.6.2 Title of the group of activities

Determining a scope of the risk assessment for pilots

53 / 100 characters

5.6.3 Description of the group of activities

EU Regulation 2020/741 requires a risk assessment in water reuse installations. Risk analysis and assessment are essential to ensure the safety of water recovery. However, these are difficult challenges for users of reclaimed water (Local public authorities, SME). The solution aims to present the problem in a way understandable to Target Groups and to develop guidelines that will be checked and refined within WP2.
Therefore, objective of WP1.4 is to determine a scope of the risk assessment for pilots. It will be conducted in the following steps:
WP 1.4.1. Assessing existing (collected during the application preparation) regulations and standards (guidelines from European Commission and other regions, ISO, etc.). Possible supplementing them, collecting them in a comprehensible for Target Groups form.
WP 1.4.2. Developing the scope of risk analysis for 3 pilots. This analysis will consist of the basis for the risk assessment provided during pilots' work in WP2. It is impossible to check the effectiveness of pilots and copy them in different locations if the risks related to the state of the environment, health, and well-being of people and the environment are not assessed.
WP 1.4.3. Involvement of the local Target Groups networks for the verification of the developed scope of the risk analysis for pilots, and validation of the final scope of the risk analysis for pilots. Consulting with representatives of Target Groups (partners, associated organizations), and collecting input. is part of building Target Groups awareness from the beginning of the project. It is to eliminate taboos and stereotypes and ensure confidence in the solutions developed.
WP1.4.4. Elaboration of the final scope of the risk analysis for pilots (1,2,3 as planned in WP2).
WP 1.4.5. Identification of conditions for the scope of the risk analysis in min. 5 other regions in the BSR region.
As a result of this group of activities, guidelines for risk analysis will be prepared, which will be carried out based on the results of the pilots' work. Target groups will be involved in the os process from the outset. This makes it easier for them to understand the entire process, but also to identify and assess risks. Work on these activities will lead to a deliverable, which will be the guidelines for water recovery risk analysis in pilots. The issue of international cooperation has been of key importance from the very beginning. So we will be based on the exchange of knowledge among all partners. All project partners will participate in the consultation on the scope of the risk analysis, regardless of their knowledge of the issue.

2,636 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☑

D 1.4

Title of the deliverable

Validated scope of the risk analysis for pilots and other BSR regions (report)

78 / 100 characters

Description of the deliverable

It is impossible to check the effectiveness of pilots and make them multiplied if the risks related to the state of the environment, health, and well-being of people and the natural environment are not assessed. The result of the group of activities will be the development of guidelines for risk analysis in the future work in WP2. The guidelines will contain the necessary descriptions and definitions, indicate hazards and risks, and explain their importance in water recovery processes. The data in the report will be based on the already existing guidelines and the results from consulting the Target Groups and partners responsible for launching pilots. It will be the basis for the risk assessment conducted during the pilots. The aim of the deliverable is to prepare the outputs section, which will contain information on the risks associated with water recovery. It is part of education aimed at target groups, which aims to build awareness, but also provide tools for risk assessment and its mitigation in water recovery systems. Both the output IT tool and the Handbook will contain instructions related to risk assessment regardless of the location of the recovery system.
Any work on the guidelines for risk analysis will involve partners, and at a later stage Target Groups in regions not covered by the project.

1,326 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.4: Determining a scope of the risk assessment for pilots						
D.1.4: Validated scope of the risk analysis for pilots and other BSR regions (report)						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.5

5.6.1 Group of activities leader

Group of activities leader PP 5 - Mineral and Energy Economy Research Institute of the Polish Academy of Sciences

A 1.5

5.6.2 Title of the group of activities

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

88 / 100 characters

5.6.3 Description of the group of activities

The objective of WP1.5 is to identify business opportunities resulting from the implementation of water reuse methods in specific conditions and define the scope of functionality of the WaterSafe-tool that will be one of the key outputs of the project. Currently, business opportunities, including financial value, are allocated for energy production but not for nutrient and water reuse. This gap will be fulfilled in WP1.5 and verified in WP3.4. The WP2 is divided into the following activities:
WP1.5.1. Identification of business opportunities with a more sustainable use of water and nutrients in a closed cycle in all pilots areas. It includes the identification of a business framework for the implementation of circular economy (CE) solutions dedicated to sustainable water management. The Strategic management tool to describe how an organization creates, delivers and captures value will be defined, in nine specific areas: customer segments, value propositions, channels, customer relationships, revenue streams, key resources, key activities, key partnerships, and cost structure. The three layers for the identified business model will be defined - economic, social and environmental, with specific indicators determined (based on Sustainable Development Indicators and EU CE monitoring framework), with the focus on energy, material and water areas. Water reuse can be a key way to promote resource efficiency in areas of BSR with water scarcity, to profit from opportunities in the expanding water market, and to alleviate the pressure on European water resources.
WP1.5.2. Determination of the scope of functionality of the IT tool (WaterSafe-tool) that will be used by individual target groups to assess their water & nutrients saving potentials. IT tool will provide information and define business opportunities that show new and better ways to be water and nutrients resource efficient and benefit from CE business models which turn waste water into an asset. This activity will also involve the local target gropus networks for the verification of the proposed scope of functionality of the WaterSafe-tool. This scope will be verified with the use of the focus groups method, which will meet in each region where pilots work will be carried out (min. 3 meetings of local target groups networks of at least 20 people). These activities will allow the engagement of target groups to create final solutions, and will also allow for the keeping the transnational level of the IT tool.

2,501 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.5

Title of the deliverable

Sustainable and circular business models & determined functionality of WaterSafe-tool

85 / 100 characters

Description of the deliverable

The purpose of this deliverable is to identify and organise the knowledge of business opportunities related to water recovery in the BSR and indicate the scope of the online tool functionality - WaterSafe IT Tool. This deliverable is divided into two sub-areas:
1) The first sub-area is dedicated to the description of the sustainable and circular business models that will be defined for all pilots. It will include a detailed description of different business opportunities (water - resources - energy savings) resulting from the implementation of different technologies of water reuse (P1 - disinfection of reclaimed water; P2 - adjusting the nutrients composition, mainly phosphorus, to the needs of target groups for intended use, e.g., irrigation for agriculture or landscaping; P3 - irrigation symbiosis). They will be integrated into so-called sustainable and circular business models, that will include nine specific areas: customer segments, value propositions, channels, customer relationships, revenue streams, key resources, key activities, key partnerships, and cost structure.
2) The second sub-area is dedicated to a description of the functionality of WaterSafe-tool, which aims to help European companies, especially SMEs, to save energy, material and water costs. This tool will include pathways in the field of water/nutrient recovery; options for the technology selection depending on local needs; initial costs estimations; benefits and risks; final recommendation for specific case studies). The tool will be legible, easy to use, with instructions (manual).
The business models and IT tool will have a transnational level due to the integration of knowledge and engagement of local target groups networks from different countries, covered by the project.
This deliverable is crucial for the implementation and testing of the IT WaterSafe-tool (O2.4) in piloting phase of the project (WP2.4). Based on this deliverable, the output "O2.4 - IT WaterSafe-tool" will be built.

1,996 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.5: Identifying business opportunities and defining scope of functionality of WaterSafe-tool						
D.1.5: Sustainable and circular business models & determined functionality of WaterSafe-tool						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

Work package 2

5.1 WP2 Piloting and evaluating solutions

5.2 Aim of the work package

The aim of this work package is to pilot, evaluate and adjust solutions. Plan one or several pilots to validate the usefulness of the solutions prepared in Work Package 1. Start Work Package 2 early enough to have time to pilot, evaluate and adjust solutions, together with your target groups. By the end of this work package implementation the solutions should be ready to be transferred to your target groups in Work Package 3.
The piloted and adjusted solution should be presented in one project output.
Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1	PP 6 - Savonia University of Applied Sciences Ltd.
Work package leader 2	PP 10 - Municipal Water and Sewerage Company in Warsaw

5.4 Work package budget

Work package budget	50%

5.4.1 Number of pilots

Number of pilots	3

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions. 460 / 500 characters	Local public authorities (LPA) are partners and associated partners of the project. Danish LPA is leading A 2.3. Thanks to interest groups and business support organizations more LPA will be involved in consultations and observation of pilots. A survey planned in WP3 will help to raise their awareness. Project consortium secured diverse associated partners representing public authorities. It is already good starting point, to connect many more when the project will be active with the help of cluster and relevant interest groups involved. Due to role of LPA, it is not expected that this target group will be active in hands-on pilot activities. However, site visits will play important role in convincing LPA to act on sustainable and smart water management practices in their region. Site visit is providing opportunity to access first-hand local experience and look for specific answers at the source. 909 / 1,000 characters
2	Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany). 486 / 500 characters	Infrastructure and service providers (ISP) participate in key project pilots and make their infrastructure available for research. ISPs from all participating countries in ReNutriWater are involved. They adapt it to the needs and equip it with additional equipment. Some ISPs are inherently and immediately interested in providing alternative water resources. ISPs from countries with less water scarcity want to prepare for future challenges and break the existing barriers. Polish ISP is leading A 2.1, Danish ISP is involved in A 2.2, Latvian ISP are involved in all pilot actions planned. ISPs were shaping content of the pilots since PIF stage of project proposal. During realisation of WP2 pilot documentations will be gathered and prepared to reach target groups in best possible way, including demonstration site visits. To communicate results consortium will engage with water utility associations at every level - including EU (EurEau) using large scale events, newsletters etc. 988 / 1,000 characters
3	Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept. 489 / 500 characters	Small and medium enterprise (SME) is leading A 2.2 with close cooperation with end-user. Technology providers are directly interested in providing solutions to end-users. Involvement of SMEs is boosting promotion of good practices among entrepreneurs, raising interest of SMEs in the process of water reuse (holiday homes, ski lifts, agro-tourism farms, hotels, car washes), promotion of available solutions among agri-food producers. SMEs will be addressed through direct contact via cluster business network (e.g. Kuopio Water Cluster and other connected through S3P Water Smart Territories in the Baltic Sea Region) and interest groups. SMEs are proactively interested in exploring new markets or applications for existing solutions that might have a potential to improve solutions proposed by ReNutriWater project. We will make public relevant technical information that will allow matchmaking innovation potential and identification of market gaps. 953 / 1,000 characters
4	Interest group We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai chambers of commerce. Among the Associated Organizations is WWF (NGO), with whom we will work closely. 445 / 500 characters	Interest Groups (IG) are playing important role and are involved in project ideation and all actions planned in WP2. Project secured participation from significant number of Interest groups. It is proving that project consortium foresee important role for IG to connect wide network of members across Baltic Sea region (and beyond) to the solutions adapted and demonstrated by A 2.1-A 2.3. Role of Interest Groups is intertwined with other target groups as they are necessary bridge between diverse actors relevant for increased uptake of widespread use of reclaimed resources in smart and modern society. IG, NGO and clusters are regularly organising large scale events (international fairs, workshops, seminars) which are suitable vehicle for communication (WP1 and WP2), engagement (WP2) and promotion (WP3). 811 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilot 1 (P1): Disinfection efficiency of reclaimed water**
2.2	**Pilot 2 (P2): Composition adjustment of reclaimed water**
2.3	**Pilot 3 (P3): Breaking barriers for reclaimed water use**
2.4	**Implementing and testing WaterSafe IT Tool**
2.5	**Developing a Handbook on water reuse**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 10 - Municipal Water and Sewerage Company in Warsaw

A 2.1

5.6.2 Title of the group of activities

Pilot 1 (P1): Disinfection efficiency of reclaimed water

56 / 100 characters

5.6.3 Description of the group of activities

Pilot 1 (P1) is dedicated to adapting and evaluating the effectiveness of disinfection for reclaimed water based on concrete cases located in Poland, Finland and Latvia, providing diverse national perspectives and drivers for reclaimed water resources. Pilot activities planned for implementation are based on international cooperation within the project consortium. One of the key target groups (infrastructure and public service provider) is leading pilot actions and connecting other relevant stakeholders. Local public authorities are involved in the early planning phase and the transfer of practices for future uptake. SMEs offering disinfection solutions will be connected by the lead of Savonia and other interest groups offering a diverse network of partners in the Baltic region and EU. The pilot studies are necessary to evaluate the scale-up effects between laboratory and pilot-scale and validate disinfection efficiency for different municipal wastewater effluents. Testing will include various advanced oxidation processes (AOPs - e.g. ozonation, hydrogen peroxide, UV, LED). The mobile pilot will be placed within the budgetary limits in the selected location managed by Warsaw Waterworks (Poland) and project partners. Alternative or similar disinfection methods will be tested in Finland (Kuopio WaterLAB), Latvia (Tukums and Kurzeme regions) and Denmark (Samsø). Pilots are planned to be conducted for 12-18 months to allow for full-cycle seasonal and effect of weather conditions. Combined actions in WP2 and WP1 will provide information on important reclaimed water parameters to provide a clear path towards transfer to practical solutions that satisfy the target groups and meet regulations. These requirements will be used to monitor reclaimed water in terms of physico-chemical, organic and microbiological composition (focusing on regulation (EU) 2020/741 required: viruses, protozoa, bacteria, and optional identification of micropollutants). Deployment, adaptation and testing of various solutions will be in the relevant environment at a pilot scale (nominal capacity up to 1 m3/h). This approach allows to focus on specific applications of reclaimed water and assess the real advantage connected with the application of the proposed solution. The activities will be implemented in the transnational setting through the joint piloting effort to demonstrate and adopt concrete solutions to the requirements of the countries participating. Enriched with nutrition wastewater will be used again in selected cities (Latvia) grass and flowers watering (in dry season), washing the sports stadium (in autumn season), and also possibly for manufacturing companies equipment cleaning, etc. This practice will ensure the scalability and replicability of solutions. General conclusions from planned piloting activities will be a critical part of developing good practices that will be transferred in WP3.

2,923 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 2.1

Title of the deliverable

Summary of results from pilots, data collection and analysis, reporting

71 / 100 characters

Description of the deliverable

Pilot 1 deliverable will provide science-based recommendations for suitable disinfection processes for the conventional wastewater treatment chain (e.g. based on secondary treatment, disinfection and filtration) across three countries. The results of the individual pilot cases will be summarized individually and then consolidated into Handbook (O 2.5). Moreover, a description of model solutions to be implemented in municipalities and guidelines for implementing the tested solutions will be concluded for general dissemination in WP3. Some key results are necessary for finalizing WaterSafety Tool (O 2.4). The core international action group for P1 activities consists of Municipal Water and Sewerage Company in Warsaw, Warsaw University of Technology, University of Latvia, Savonia, VNK Serviss, Siauliai CCIC, Klaipeda CCIC. Concluded parameters of the system and reclaimed water usage and their quality criteria (defined in WP1) will be evaluated in pilot sites and supported by continuous laboratory tests in each participating country (due to the nature of some samples, measurements have to be done in-situ, not all can be preserved for storage). To meet optimal criteria for reuse of wastewater disinfection plays an essential role not only to provide water quality requirements but also due to use of chemicals or other applied methods, which can create costs for running pilot sites and include elements in defined water reclamation systems and their boundaries (technical feasibility and cost-effectiveness). The interregional dimension is secured within the realities of the planned budget frame, competencies, in-house expertise, and overall partner profile. Each project partner and associate organization were selected in the preliminary phase to complement each other for reaching the overall target with direct pilot activities, knowledge sharing and uptake or adaptation tasks.

1,899 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilot 1 (P1): Disinfection efficiency of reclaimed water						
D.2.1: Summary of results from pilots, data collection and analysis, reporting						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 9 - Schwander

A 2.2

5.6.2 Title of the group of activities

Pilot 2 (P2): Composition adjustment of reclaimed water

55 / 100 characters

5.6.3 Description of the group of activities

The main topic of the second pilot is adjusting the nutrients composition, mainly phosphorus, to the needs of target groups for intended use, e.g., irrigation for agriculture or landscaping such as parks, rights-of-ways, and golf courses, or production of artificial snow, as well as to the specific use cases of a municipality. Key to the success of this pilot demonstration is the involvement of target groups which are very well represented in the action group. This full-scale implementation has a significant re-implementation value and will be potentially used to provide a hands-on example of a concrete reclaimed water use case. The pilot plant will be located at the WWTP for Bania Hotel in Białka Tatrzańska (Poland) with complementary actions planned in Finland, Denmark and Latvia. The pilot aims to continuously operate in automatic mode and conduct wastewater treatment processes generated by the hotel facilities (domestic wastewater). Measurements will be made for the recycled water, which will serve two purposes: discharge into the river Białka, a direct tributary of Czorsztyn Lake and water supply for the artificial snow cannons in winter and irrigation of the slope in summer (to prevent progressive soil erosion). Depending on its purpose, the reclaimed water will have a different composition. The reclaimed water used for slope irrigation will contain nutrients, whereas the reclaimed water discharged directly into the Białka river will not. The pilot's proposed effluent composition testing frequency is once a month by accredited laboratories – for six months. The mobile equipment will record periodical data. Data collected by the probes and analyzers at the pilot will be archived and forwarded to the Project Partners for further analysis. Based on cooperation within P2, partners will collect measurements to provide a seasonal characterization of local wastewater effluents and evaluate possible technologies for nutrients adjustments with the prospective technology providers. In addition, participating partners are interested in obtaining results that evaluate the broader possibilities of reusing treated wastewater. This data is necessary to proceed with technical and economic studies for possible applications in a local setting, specifically the provision of a cost estimate for the water reclamation process or the impact of water reuse on the price of water and sewerage services. Hand-over of the materials for WP3 will include the process scheme of the pilot and test results; the data acquisition system will enable online data transfer for WP3 (The project partner will provide access to the database); the applied methods and solutions in P2 will be used to develop model installation designs, which will be transferred transnationally to interested parties for implementation (WP3).

2,836 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 2.2

Title of the deliverable

Gathering results from pilots, data collection and analysis, reporting

70 / 100 characters

Description of the deliverable

This deliverable aims to confirm the pilot's effectiveness and ensure the stable level of nutrients in treated wastewater, supported by the development and implementation of a process control software to ensure meeting the expected parameters. The results of the pilot case will be consolidated into Handbook (O 2.5). This will specifically contribute to this outcome by demonstrating adjustment of the treated effluent quality parameters to the needs of the target groups. Moreover, P2 will provide a concrete example of water reclamation as an effective way to protect water resources. The core P2 action group consists of Schwander Polska, Savonia Jurmala water utility, University of Latvia, Warsaw University of Technology, VNK Serviss, Siauliai and Klaipeda CCIC etc. The core P2 actions are carried out in Poland (Białka Tatrzańska) - due to the full-scale implementation (not mobile unit), replicating a similar setup in other locations is not feasible. VNK serviss will enrich effluent with developed nutritional compositions (by other partners) and will deliver this enriched water for tests to target groups. Other partners and target groups involved will take an active role in planning, knowledge sharing, and assessing reapplication potential based on local requirements. Partners will provide intensive measurement campaigns to provide a seasonal characterization of wastewater effluents and evaluate possible technologies for nutrients adjustments with the technological partner (Schwander) in P2. Obtained real system boundary conditions (Poland), water quality requirements for specific usage of water will be tested in selected partner locations (Finland, Latvia) and reclaimed water will prepared with chosen technologies and tested their efficiency to reach deliverable. SMEs offering reclaimed water composition solutions will be connected by the lead of the Savonia and other interest groups offering a diverse network of partners in the Baltic region and EU.

1,987 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.2: Pilot 2 (P2): Composition adjustment of reclaimed water						
D.2.2: Gathering results from pilots, data collection and analysis, reporting						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 8 - Samsø Municipality

A 2.3

5.6.2 Title of the group of activities

Pilot 3 (P3): Breaking barriers for reclaimed water use

55 / 100 characters

5.6.3 Description of the group of activities

The third group of pilot actions focuses on creating applications that will allow breaking barriers for the practical use of reclaimed water. We will demonstrate an approach that assumes minor investments into existing wastewater treatment systems providing smart and cost-effective decentralized solutions that have a potential for full-scale application across Baltic Sea regions. This case will capitalize on the long-standing experiences of Samsø Island in building Irrigation Symbiosis. Although allocated to a separate group of activities, this pilot is closely connected with pilots P1 and P2. Pilot 3 (P3) is about conducting variable trials growing different plants in greenhouses or plots (parks, medians) using reclaimed wastewater as a source of nutrients and irrigation. This is important for countries and regions where reclaimed water is still not commonly accepted and/or where typical external circumstances (e.g. water scarcity) are not the primary drivers for change to sustainable water resource use. The pilots are planned to be carried out in Denmark (Samsø), Finland (Kuopio), Latvia (Kurzeme) and Poland (Warsaw).The main target group will be local farmers, local public authorities and infrastructure and public service providers that have shown an interest in a potential trial (linking to WP1). They will be involved from the beginning, so it will be easier for them to scale up later if the trials show a positive outcome. The involvement of wastewater utility is securing the complete supply chain to build up possible long-term symbiosis ecosystems. Individual results from diverse test locations planned will be generalized and concluded in the project outcomes for widespread use by target groups. International cooperation is a crucial element for possible reapplication to other countries. Working together will allow for levelling the playing field for regions with less experience and practical applications of using the reclaimed water. To diversify and adapt the solution, it is planned to adjust the trial set up from one testing period (vegetation period) to another. This will test different technologies and methods (e.g. dilution, disinfection) and provide conclusions for future reapplication (WP3). It is beyond the project scope and budget to address the long-term effects of using reclaimed water. These issues are addressed by fundamental science, EU and national regulations. Specifically addressing concentrations (in effluent and soil) of heavy metals, pesticides, disinfection by-products, pharmaceuticals, and other substances of emerging concern, including micropollutants and microplastics or anti-microbial resistance. The physical pilots will allow soil testing before and after the pilot to show the consequences of using wastewater for irrigation. By connecting relevant partners to P3, the project will provide end-results material (e.g. plant and soil samples) for science-based approaches on the sidelines of the ReNutriWater project.

2,996 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 2.3

Title of the deliverable

Demonstrating smart reclaimed water use and irrigation symbiosis

64 / 100 characters

Description of the deliverable

The purpose of the deliverable is to show that it is possible to reuse wastewater as irrigation and nutrient for agricultural purposes without significant investments into altering existing wastewater treatment systems. P3 is a logical extension to approaches piloted in P1 and P2 (focused on reclaimed water safety and risk assessment) to emphasise actual implementation in the form of demonstration sites which are easy to maintain and will last beyond the duration of the project - because, in most cases, the target group is preparing the site. The results of the individual pilot cases will be summarised individually and then consolidated into Handbook (O 2.5). In addition, some key results are necessary for WaterSafety Tool (O 2.4). The core international action group for P3 consists of Samsø Municipality, Samsø Wastewater Utility, Savonia, Warsaw University of Technology, Warsaw Waterworks, University of Latvia, and VNK Serviss. The diverse and international group in P3 will work together. Each partner was selected to complement the overall target with direct pilot activities, knowledge sharing, and uptake and adaptation tasks in the preliminary phase. Locating pilot greenhouses or city plots irrigated with reclaimed water in four countries (DK, FI, PL and LV) allows for direct exposure of these solutions to target groups and society and collecting hands-on experiences and practicals. Each country site brings a different perspective on the same challenge while securing the same outcome. The geographical spread of demonstration sites in the Baltics allows for convenient access among all members.

1,621 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4 WaterSafe IT Tool and O.2.5 Handbook on safe water reuse

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Pilot 3 (P3): Breaking barriers for reclaimed water use						
D.2.3: Demonstrating smart reclaimed water use and irrigation symbiosis						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.4

5.6.1 Group of activities leader

Group of activities leader PP 5 - Mineral and Energy Economy Research Institute of the Polish Academy of Sciences

A 2.4

5.6.2 Title of the group of activities

Implementing and testing WaterSafe IT Tool

42 / 100 characters

5.6.3 Description of the group of activities

Objective of WP2.4 is to implement and test the developed WaterSafe IT Tool. This will include two stages:
WP2.4.1. Implementation of the scope of functionality of IT tool, that has been verified by the target group networks in WP1.5.2. The IT tool will have procedure paths (algorithms) for three different possibilities of water recovery (based on the results of pilots 1-3). The recipient (target group) will be able to choose the appropriate course of action (including the size of the sewage treatment plant, local conditions, the amount of recovered water, investment and operational costs, etc.). This activity also included the activities related to the launch of the IT system in which appropriate solutions for the paths will be introduced. This taks includes also development of the graphic design of the tool and the user manual. Moreover, elaboration of "risk" part of the IT Tool will be conducted. On the basis of the results of WP1 (action group 1.4) and the results of WP2 (3 pilots), it will be possible to include a part of the IT tool which will be devoted to hazard detection and simple (initial) risk assessment.
WP2.4.2. Testing of developed WaterSafe IT Tool. After the launched of the IT system, the access to this WaterSafe IT Tool will be shared with target groups networks. In order to test proposed IT tool 3 interregional workshops, will be organised. The delegated moderators will test with representatives of target groups networks will test the IT tool, along with verification of the usefulness of individual functions. Next, corrections will be made to the IT system. This will allow the validation of the developed IT tool, and then its transfer (in the WP3) to further target groups.

1,720 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☐

O 2.4

Title of the output

WaterSafe IT Tool

17 / 100 characters

Description of the output

The purpose of the WaterSafe IT Tool is to serve the knowledge on how much different measures and technological solutions would cost and how much money and resources they can save for unit that would like to implement water reuse method. This IT tool will support national, regional and local organisations across BSR that work with local governments, municipalities, sewage treatment plant operators, SMEs to improve their environmental performance, helping them to become more resource (including water) efficient.
The WaterSafe IT Tool will contain a set of procedure algorithms that are to allow for self assessment of water resuse possibilities to help target groups save resources (incl. water) and reduce operating costs, enable the introduction of rational inventory management, effective organization of production, construction and design improvements.
The final version of WaterSafe IT Tool will be published based on the scope proposed in WP1.3 and verified by target group networks, and real results coming from WP2.1-WP2.3. There is significant gap between laboratory and pilot or real scale solutions. Therefore closing this gap (based on results from real scale tested solutions in pilots in WP2.1, WP2.2.WP2.3) demands high risk investments for further interested target groups.
The WaterSafe IT Tool will have transnational level, due to it will integrate the experiences from three different regions where pilots are conducted, as well as the results of interregional workshops during which the IT tool will be verified by local target group networks.
This WaterSafe IT Tool will support the target groups, incl. decision makers & public authorities to improve the implementation of regional development policies and programmes regarding water efficiency (based on real tested technological solutions), generating green growth opportunities and jobs for businesses.

1,889 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
Target group 1 Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions.	Local public authorities will use the Tool to self-assess their own situation in the municipality. The tool will show them the strengths and weaknesses of local water recovery (where to use reclaimed water, why). The suggestions collected during the development of the Tool will be used to improve it. It will also be a tool to promote solutions. This will also be an opportunity to exchange ideas between stakeholders in BSR. 426 / 1,000 characters
Target group 2 Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany).	The operators will indicate the possibilities of using their infrastructure and solutions for the development of water recovery. They will participate in building this tool as infrastructure operators but also as service providers that know local needs. This will also be an opportunity to exchange ideas between stakeholders in BSR. 333 / 1,000 characters
Target group 3 Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept.	For SME - solution providers, it is a tool to promote the demand for solutions elaborated during the project. For SME-operators of recreational facilities, the tool will help to match the solution to the local needs. This will also be an opportunity to develop business models and cooperate with stakeholders in BSR. 316 / 1,000 characters

Durability of the output

This WaterSafe IT Tool will be available free of charge on the project's developed website during and after the end of the project duration. The website with IT tool will be supervised by Kuopio Water Cluster. If necessary, the content will be revised by the other project partners (including MEERI PAS, Chamber of Commerce, Schwander, and other partners from each country participating in the project).
This WaterSafe IT Tool will be presented during the dissemination events organised during the project duration, and after it ends, by all project partners.
The link to WaterSafe IT Tool will be shared to all members of target groups networks (defined in WP1) and further stakeholders (defined in WP3). IT tool will be hosted and maintained in Kuopio Water Cluster server for at least 10 years.

798 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Implementing and testing WaterSafe IT Tool						
O.2.4: WaterSafe IT Tool						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.5

5.6.1 Group of activities leader

Group of activities leader PP 1 - Chamber of Economy Polish Waterworks

A 2.5

5.6.2 Title of the group of activities

Developing a Handbook on water reuse

36 / 100 characters

5.6.3 Description of the group of activities

This set of activities is not a classic WP2 pilot. However, it is a key element of WP2, especially in the context of evaluation and adjusting solutions together with the Target Groups. The pilots' results need to be translated into Target Groups in an accessible way. Appropriate editing and presentation of results are therefore crucial for the success of WP3 and the entire project.
The following activities are planned:
2.5.1. Collecting reports and results - deliverables from WP1 and WP2 (3 pilots). During the handbook preparation, we will use defined post-conditions for pilots - a set of water and nutrient reuse techniques reported in WP2. Data collection will take place successively according to the schedule of WP1 and pilots in WP2.
2.5.2. Evaluate the results for their understanding and use by Target Groups. The communication plan launched in WP3 will make it possible to consult the deliverables parts and adapt them to the text of the handbook. The content must be understandable to the Target Groups, and useful in implementing local projects. Hence the necessity to work closely with them. The consultations will also cover associated organizations. The consultation days will complement the activities on transferring solutions. Workshops and consultations will improve our communication tools.
2.5.3 Digital handbook on water reuse in English. The full version of the handbook will be in English in digital.
2.5.6 Partial translations into local languages. Depending on local needs and partners' capabilities, selected issues will be translated, which will eliminate language barriers.
Completion of work on the handbook will only be possible when all activities related to WP1 and 3 pilots have ended. Activities 2.5.1. and 2.5.2 will therefore start before the WP1 ends.

1,796 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☐

O 2.5

Title of the output

Handbook on safe water reuse

28 / 100 characters

Description of the output

An important element of the project are 3 pilots that provide solutions for Target Groups. However, the results of work on the development, matching, and universalization of pilots must be collected and properly described so that during WP3 they can be presented to the widest possible group of stakeholders. Besides the pilots themselves, ready for duplication, a Handbook is needed to facilitate further implementation activities.
The purpose of developing a Handbook is therefore to organize the results of pilots and describe them in a way that is accessible to recipients. In fact, the Handbook is the main output of the project with several solutions and deliverables.
Based on the local target group network created in WP1, the individual deliverables making up the Handbook will be systematically consulted. In this way, we will get an output that will already be reviewed and known to Target Groups. So it will be easier to present it to a wider group of stakeholders.
Certain elements of the Handbook (deliverables) are targeted at a specific group. Thus, the risk assessment should be of interest to producers of reclaimed water (Infrastructure and public service providers), but also to local public authorities and some SMEs (recreational area operators). Risk assessment also needs to be presented in some respects to NGOs that care about the environmental and welfare context. In turn, sustainable and circular business models defined for pilots should be described in such a way as to facilitate their implementation through the cooperation of all Target Groups.
The pilots developed in WP2 differ from each other, but they propose solutions depending more on the existing infrastructure than on the location in the BSR. All countries need to meet the challenges of fresh water conservation and wise nutrients management. This breaks down borders. However, it should be borne in mind that language may be a barrier in using the Handbook. That is why translation is necessary. The transnational aspect is crucial. All project partners will have their share of data collection or Handbook writing. This will allow us to look from different perspectives, both regarding regions, local conditions, and types of Target Group.
The handbook will contain:
- description of pilots and their deliverables,
- guidelines for the risk assessment,
- sustainable circular business models,
- IT Water-safe bacis tool description,
- chapters dedicated to selected Target Groups.

2,477 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
Target group 1 Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany).	The handbook will allow reach a large number of operators, as it will contain useful knowledge and specific solutions. Throughout the project, the Handbook will be developed and improved with the active participation of this target group. Operators will be able to find guidelines for implementing the proposed solutions, cooperate in BSR, and adjust their business model. They will also be ambassadors to promote solutions developed during the project. Operators will implement selected solutions to use them in daily work. 524 / 1,000 characters
Target group 2 Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions.	The Handbook will reach a large number of operators as it will contain useful knowledge and specific solutions. So it will convey a clear message to administration employees who do not need to have technical knowledge. Throughout the duration of the project, the Handbook will be developed and improved with the active participation of this target group as well. Local authorities will be able to find guidelines for implementing the proposed solutions and cooperate in the BSR. They will also be ambassadors promoting solutions developed under the project. Local authorities will support operators in the implementation of selected solutions to use them for the needs of the municipality (e.g. street cleaning, watering green areas). 734 / 1,000 characters
Target group 3 Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept.	For SMEs, the handbook will be a tool for business development and searching for new solutions. It will be part of strategies supporting a sustainable economy. SMEs will multiply the solutions proposed in the Handbook and adjust business models in their daily work. 265 / 1,000 characters

Target groups	How will this target group apply the output in its daily work?
Target group 4 Interest group We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai chambers of commerce. Among the Associated Organizations is WWF (NGO), with whom we will work closely.	Interest groups are crucial in disseminating knowledge about the project. Therefore, they will have a compendium of knowledge to popularize among BSR stakeholders. They know the regional and national needs best and have a developed network of contacts. Interest Groups will therefore use the Handbook to build competence in the water sector. The handbook will contribute to the development of sustainable economy. 413 / 1,000 characters

Durability of the output

The handbook will be a compendium of knowledge on water recovery. It will contain a description of all deliverables and indicate the sources of knowledge (IT tool). It will provide guidelines on how to adapt solutions to local needs, and where to exchange experiences with other BSR stakeholders. It will be a sustainable output that the partners and stakeholders will popularize also after the end of the project. The handbook will be available free of charge on the project's developed website during and after the end of the project duration.
This handbook will be presented during the dissemination events organised during the project duration, and after it ends, by all project partners.
The file with The handbook will be shared to all members of target groups networks (defined in WP1) and further stakeholders (defined in WP3).

840 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.5: Developing a Handbook on water reuse						
O.2.5: Handbook on safe water reuse						

5.6.7 This deliverable/output contains productive or infrastructure investment

Work package 3

5.1 WP3 Transferring solutions

5.2 Aim of the work package

In Work Package 3, communicate and transfer the ready solutions to your target groups. Plan at least one year for this work package to transfer your solutions to the target groups, considering their respective needs. Select suitable activities to encourage your target groups to use the solutions in their daily work.
Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1 PP 2 - Centrum Balticum Foundation

Work package leader 2 PP 1 - Chamber of Economy Polish Waterworks

5.4 Work package budget

Work package budget 20%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions. 460 / 500 characters	The relevant stakeholders will be mapped with the help of all project partners. The relevant stakeholders will receive information about the project and its goals, and they will be invited to join dialogue sessions, where their needs and the solutions the project can offer, will be discussed. In locations where pilots exists, visiting trips will be organised. The awareness of the project and links to project handbook and IT tool will be made available by distributing the message via associations of local and regional authorities in partnering countries, and with direct emails to mapped stakeholders. A Q&A set of what kind of challenges the project can help municipalities to tackle will be published in the website, and when the pilots are running, a film/films will be created with a perspective of municipality. 825 / 1,000 characters
2	Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany). 486 / 500 characters	The relevant stakeholders will be mapped with the help of all project partners. The relevant stakeholders will receive information about the project and its goals, and they will be invited to join dialogue sessions, where their needs and the solutions the project can offer, will be discussed. In locations where pilots exists, visiting trips will be organised. Industry events will be attended and industry networks used to increase the awareness of the project. International/national information seminars will be organised. The links to the project handbook and IT tool will be made known by the stakeholders via their networks and via direct emails to mapped stakeholders. They will also benefit from mentoring progamme through active participation (open recruitment on equal terms) result will be jointly prepared action plans for those solution implementation in their units. 883 / 1,000 characters
3	Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept. 489 / 500 characters	SMEs are interested in taking advantage of the possibility of offering full-scale solutions to interested end-users. However, hotel operators, golf course owners, and leisure owners/managers must be provided with business solutions. That is why we will provide not only technical solutions but also guidelines and IT tools. The relevant stakeholders will be mapped with the help of all project partners and they will receive information about the solutions. They will be invited to join dialogue sessions. In pilots' locations, technical site visits will be organized. A film/animation from the perspective of SMEs will be created. Industry events will be attended and industry networks used to increase the awareness of the project. International/national information seminars will be organized. The links to the project handbook and IT tool will be made known by the stakeholders via their networks and via direct emails to mapped stakeholders. 948 / 1,000 characters

	Target group	How do you plan to reach out to and engage the target group?
4	Interest group We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai chambers of commerce. Among the Associated Organizations is WWF (NGO), with whom we will work closely. 445 / 500 characters	We will establish with Interest Groups their knowledge and concerns about water reuse. We will consult with them on the scope and form of the IT tool and the scope of the guidelines, in the context of their interest. 216 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	**Transfering solutions - communication, activities and tools**
3.2	**Conducting survey analysis to measure and expand awareness**
3.3	**Developing and implementing a mentoring programme "Safe Water"**

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 2 - Centrum Balticum Foundation

A 3.1

5.6.2 Title of the group of activities

Transfering solutions - communication, activities and tools

59 / 100 characters

5.6.3 Description of the group of activities

To introduce the solutions piloted in WP2 we need to elaborate and realize a communication plan with appropriate materials, and tools for target groups. Classic tools such as presentation templates, short films from pilots, animations, and materials for social media will be prepared. The communication plan will also include guidelines on how to interact with local, national, and transnational target groups.
Successful transfer of solutions requires interaction with the target groups. Interaction can aim to educate, raise awareness and change attitudes among target groups.
With the help of partners in countries in question, the local government authorities and public infrastructure and services providers will be informed about the benefits of local water reuse.
Local workshops will be organized to build awareness of local authorities. Local opinion-makers will be invited to participate. The workshop will be an opportunity to clarify doubts by presenting the benefits of pilots. Workshops will be organized at the pilots' sites.
We will also connect infrastructure operators and local authorities from different regions, but with similar problems and challenges. The survey results from A 3.2 will be used to link stakeholders. We will advice infrastructure operators on how to build educational paths.
SMEs will be invited to workshops to exchange good practices among entrepreneurs, and present cost-benefits analysis (IT tool). They will also be informed (workshops, handbook, IT tool) about business models in the process of water reuse (holiday homes, ski lifts, agritourism farms, hotels, car washes).
Target groups will be informed about IT tool and the Handbook thanks to mailings, workshops, and social media. We will also collaborate with associated partners to use their networks in transferring solutions.
We plan to interest selected business groups (SMEs), such as hotels, ski resorts, and golf course operators. An important element in disseminating knowledge about safe water recovery will be the IT tool (WP2), which will enable operators to provide an overall assessment of the benefits of developing a water recovery business.
Building partnerships will also be an important element of the activities. The results of the survey will make it possible to identify stakeholders from various target groups, that can perfectly complement each other in building solutions based on the results of WP2.
Thematic workshops and dialogue sessions will be organized by project partners (physical and online).
We plan to organize a workshop dedicated to all locations. In addition, we will organize a conference on the handbook and IT tool.
The Communication plan includes development of Communication products indicated in the Call & contributions to an EU-wide or European Commission's event and campaign.

2,829 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable

O 3.1

Title of the output

Transferred solutions - final report

36 / 100 characters

Description of the output

The purpose of this output is to provice the holistic knowledge generated during the project. This will be the final output of the project that will make it possible to evaluate the effectiveness of the entire project, all deliverables, and previous outputs. This output combines all the developed deliverables and will indicate the number and types of stakeholders involved in the project. The output will consist of a description of the communication plan and its implementation. It will contain information about the implementations undertaken by stakeholders, their plans, needs, successes, and barriers that they did not overcome. Thanks to this, a base will be created for further actions and improvements in order to promote safe water. reuse. The output will be an assessment of the quality of the outputs made in WP2 i.e. Handbook and IT tool. Thanks to transferring solutions, it will be possible to recommend changes to the Handbook and IT tool, plan improvements so that the tools developed in WP2 are interesting and useful for as many stakeholders as possible.
The output will show how entities from different countries and different target groups were involved.

1,176 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
Target group 1 Local public authority We will focus on local government units responsible for the maintenance of green and recreational areas in cities and departments supervising infrastructure and providers of public services. Representatives of this target group are not numerous, which is the best proof of how much there is to do in building awareness. We want to reach them through operators and local organizations like PP3 and PP13. This group should be presented with ready-made solutions.	This output is dedicated to all target groups. This target group will receive an IT tool for self-assessment, and determination of the state of knowledge, competencies, and needs. Local authorities will be encouraged to use the IT tool. Moreover, ready solutions and guidelines will be presented to local governments as ready for implementation. During WP3, we want to encourage several local governments to start the implementation process. 442 / 1,000 characters
Target group 2 Infrastructure and public service provider The infrastructure and public service providers' (IPS) activities are closely related to the local public authorities. Wastewater treatment plant operators are the most significant target group because they have the infrastructure and competencies to build solutions for water recovery. In the consortium, they come from Denmark, Poland, and Latvia. Thanks to the interest groups and Associated Organisations, we want to cover more BSR countries (Estonia, Lithuania, Finland, Germany).	This output is dedicated to all target groups. Infrastructure and public service providers need information about solutions in order to build solutions for water recovery. 172 / 1,000 characters

Target groups	How will this target group apply the output in its daily work?
Target group 3 Small and medium enterprise SMEs cover a wide range of stakeholders. However, we want to focus on two core groups: technology providers such as Schwander (Poland) and leisure operators - hotels, golf courses, ski areas, tourist regions associations etc. Reaching SMEs is possible thanks to interest groups and business organizations (Poland, Lithuania, Finland). SMEs are essential for promoting business solutions based on the closure of local water circuits - a practical expression of the circular economy concept.	This output is dedicated to all target groups. SMEs need information about solutions in order to create and develop their business solutions. 142 / 1,000 characters
Target group 4 Interest group We want to focus on Interest Group (IG) throughout the BSR, as building awareness and knowledge about the advantages and disadvantages of water reuse is crucial. We have a significant representation of IG (and one NGO) among our partners, including Centrum Balticum, IGWP, Kuopio Water Cluster (from Savonia ecosystem), Klaipeda, and Siauliai	This output is dedicated to all target groups. Awareness building of Interest groups is needed in order to present them advantages and disadvantage of water reuse, and to avoid resistance based on incorrect facts. 214 / 1,000 characters

Durability of the output

Project results will be gathered on the project website. The website will also offer free access to the WaterSafe IT Tool as well as the Handbook during and after the end of the project duration. The website with IT tool will be supervised by Kuopio Water Cluster. If necessary, the content will be revised by the other project partners (including MEERI PAS PP-5, IGWP - PP1, Schwander).
This Tool will be presented during the dissemination events by all project partners.
The link to WaterSafe IT Tool will be shared to all members of target groups networks (defined in WP1) and further stakeholders (defined in WP3). IT tool will be hosted and maintained in Kuopio Water Cluster server for at least 10 years.
General project communication will be taken care by PP2. All project partners will engage in communication activities and events with their local stakeholders.
PP7 will support in organising workshops in Poland and creation of Handbook.

951 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Transfering solutions - communication, activities and tools						
O.3.1: Transferred solutions - final report						

5.6.7 This deliverable/output contains productive or infrastructure investment

WP 3 Group of activities 3.2

5.6.1 Group of activities leader

Group of activities leader PP 1 - Chamber of Economy Polish Waterworks

A 3.2

5.6.2 Title of the group of activities

Conducting survey analysis to measure and expand awareness

58 / 100 characters

5.6.3 Description of the group of activities

This group of activities will involve more stakeholders by building their awareness. The survey will have modules depending on the Target group.
Based on the results in the WP2, we want to engage more stakeholders in the activities resulting in closing local water circuits. The aim of the survey is to reach target groups from solutions as widely as possible. For this, target groups need to be aware of the issue of water reuse. Online questions will be prepared within this group of activities. The questions will be tailored to each target group. Popularization and distribution of the survey will be carried out by partners, especially interest groups and business support organizations, mailing, information during meetings and workshops. The results of the survey will be used to create a list of stakeholders potentially interested in solutions. Respondents may be also Marketing Qualified Leads for SMEs. This deliverable will contribute to the output "Transferred solutions - final report."
All partners will be involved in this activity. The awareness of water recovery will also strengthen the need to use the IT tool and Handbook.

1,144 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☑

D 3.2

Title of the deliverable

Awareness survey - report

25 / 100 characters

Description of the deliverable

Based on the work on activity WP2 with local target groups, further identification and definition of national and transnational target groups will be provided. The survey will be carried out in the final phase of the project, when solutions from pilots in WP2 are already developed. The survey aims to expand target groups to include entities that need to start water reuse education from the very beginning. Thanks to the survey, we will build new capacities, and also obtain information about the lack of knowlegde and the needs of target groups. So we will obtain information from local governments and infrastructure operators about the barriers that prevent them from developing water reuse solutions. The survey will also provide information about doubts and questions the target groups have and which we will address with project communication (WP3.1.). Thanks to the survey, we will obtain a database of stakeholders who are looking for partners in other BSR locations. It will be an opportunity to revive international cooperation.
The result of the survey will help to direct the activities in the last period (6) of the project to the target groups most in need.
All partners will be involved.

1,205 / 2,000 characters

Which output does this deliverable contribute to?

O 3.1 Transferred solutions - final report

42 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: Conducting survey analysis to measure and expand awareness						
D.3.2: Awareness survey - report						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.3

5.6.1 Group of activities leader

Group of activities leader PP 5 - Mineral and Energy Economy Research Institute of the Polish Academy of Sciences

A 3.3

5.6.2 Title of the group of activities

Developing and implementing a mentoring programme "Safe Water"

62 / 100 characters

5.6.3 Description of the group of activities

Objective of this activity is to develop the mentoring programme that will support the representatives of target groups in assessing the possibility of implementing the selected technological water reuse solution (evaluated in pilots) and its implementation in their organisation and will support the development of action plan for those solution implementation in their units. The objectives of the monitoring programme will be:
- directing participants to the areas of water recovery and nutrients that can be implemented in their local territory,
- stimulating the creativity for participants,
- familiarising participants with the specifics of building new business models focused on implementing sustainable and circular solutions,
- raise awareness of water reuse and the importance of water,
- popularisation of the project results,
- assistance in the implementation of water reuse solutions in the organisations - target groups.

In the first stage, the assumptions of the mentoring programme will be proposed (scope, specific objectives, timetable will be determined, etc.). Then, the possible participants will be defined based on the results of the WP1.2 (members of target groups networks) and WP3.2 (further representatives of target groups in BSR). Then, the recruitment for the mentoring program will be carried out (the time frame will be determined, the selection committee, the number of possible participants will be determined depending on the number of identified target groups in WP1.2 and WP3.2. The recruitment will be carried out using the project's website. Project participants, both representing regular partners and associated partners, will be mentors in the mentoring programme. The course of the programme will include a minimum of 4 individual Mentee mentoring sessions (target groups) with Mentors; 2 workshops for Mentees devoted to conscious planning of the implementation of water reuse technologiies in the region; 2 substantive workshops for Mentors, supporting methodically conducting mentoring processes and building an effective relationship with Mentee; remote interventions for Mentors addressing current issues arising in the processes; a joint meeting of all Mentors and Mentees in the middle of the programme; Inauguration and completion of the Program; moderated networking sessions supporting building relationships between Program participants; access to substantive materials (Handbook, IT Tool, description of pilots, procedural documents); a diploma confirming participation in the program for Mentees.

The result of the programme for Mentees will be a developed action plan for their organisation aimed at implementing a water reuse solution along with an analysis of the sustainable and circular business model. This is a supporting activity for the IT tool developed in WP2.

2,832 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 3.3

Title of the deliverable

Mentoring programme "Safe Water" for target groups

51 / 100 characters

Description of the deliverable

The purpose of the "Safe Water" mentoring programme is to develop the competences of employees of target gropus, based on the transferred knowledge and sharing experience by representatives of project partners, while building a partnership relationship. This mentoring programme will help the target groups to prepare an action plan dedicated to implementation of water reuse solutions in their organisations, with the support of the project partners (regular and accosiated). This deliverable will include the description of mentoring programme, roles & resonsibilities of project partners (Mentors and coordinators, and selection committee) and participants in mentoring programme (mentees - representatives of target groups). It will also include the list ans short description of the action plans developed by the target groups during the programme.
This deliverable will be integral part of the last project output "O 3.1 Transferred solutions - final report", which will show the effectiveness of the entire project.

1,023 / 2,000 characters

Which output does this deliverable contribute to?

O 3.1 Transferred solutions - final report

42 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.3: Developing and implementing a mentoring programme "Safe Water"						
D.3.3: Mentoring programme "Safe Water" for target groups						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

6. Indicators

Indicators

Output indicators

Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).
RCO 84 – Pilot actions developed jointly and implemented in projects	3	N/A	N/A
RCO 116 – Jointly developed solutions	3	O.2.4: WaterSafe IT Tool	The purpose of the WaterSafe IT Tool is to serve the knowledge of how much different measures and technological solutions would cost and how much money and resources they can save for units that would like to implement the water reuse methods. This IT tool will support national, regional, and local organizations across BSR that work with local governments, municipalities, sewage treatment plant operators, SMEs to improve their environmental performance, helping them to become more resource (including water) efficient. 524 / 1,000 characters
		O.2.5: Handbook on safe water reuse	The handbook is a collection of solutions developed during the project. It is a compendium of knowledge on how to safely develop water reuse for the benefit of local communities, waters, and the Baltic Sea protection. It shows the possibility of safely adjusting water quality to the needs without losing valuable substances. From this result of the project, organisations will be able to directly take proposals for water reuse technologies, choose the business model that will be most suitable for them, as well as familiarise themselves with the risk assessment procedure, which will be obligatory throughout the EU for sewage and water treatment plants in the coming years. 677 / 1,000 characters

Result indicators

Result indicator	Total target value in number	Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.
RCR 104 - Solutions taken up or up-scaled by organisations	3	The variety of needs and ideas of target groups will be used to enrich solutions. As a result of workshops, consultations, and surveys, we will reach stakeholders from outside the project partners. They will be able to express themselves, exchange opinions, and observe the course of the pilot work. Due to the implementation of the EU Green Deal Strategy for the entire EU, organisations in the BSR must also participate in the green transformation. One of most important challenges is the implementation of sustainable water and raw materials management practices (especially critical raw materials for the EU, such as phosphorus), therefore these organisations need the results of the project - tested water and nutrients reuse technologies, as well as tools that will allow to assess which technological solution is the most recommended for them (self-assessment IT tool) and sustainable and circular business models that they will be able to successfully implement. Moreoever, a handbook with a description of how to make a risk analysis will be of key importance - in the coming years it will be obligatory for all treatment plants and water intakes. Moreover, thanks to the mentoring programme, the representatives of target groups will have the individual actions plans dedicated to implementation of water reuse solutions in their organisations, which can be directly used to upscale each solution (implement water reuse solutions). 1,443 / 2,000 characters

Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).
		O.3.1: Transferred solutions - final report	This will be the final output of the project that will make it possible to evaluate the effectiveness of the entire project, all deliverables, and previous outputs. Thanks to this, a base will be created for further actions and improvements in order to promote safe water. reuse. The output will show how entities from different countries and different target groups were involved. So it will consist of a database to use in future activities of Interest groups. 463 / 1,000 characters

Output indicators		Result indicators			
Output indicator	**Total target value in number**	**Result indicator**	**Total target value in number**	**Please describe what types of organisations are planned to actively participate in the project. Explain how this participation will increase their institutional capacity. These types of organisations should be in line with the target groups you have defined for your project.**	
RCO 87 - Organisations cooperating across borders	35	**PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders**	150	Project partners and associated organisations	The project partners represent the Infrastructure and public service providers' target group, which shows local authorities what can be done with water and how to close local water circuits. Therefore, local public authorities and the Infrastructure and public service providers are involved. There is one SME in the consortium, but thanks to the Interest group, business support organizations, and associated organizations, we will reach more of them. The interest group and business support organizations are crucial in building awareness and competence. Other organisations include also members of the advisory board (associated orgnaisations) from non-research organisations (including ministries, NGOs, intereted groups, etc.) that will support the project implementation by sharing the knowledge and assistance in advisory activities. By participating in meetings in target group networks, they will be able to increase their knowledge themselves through exchange with other target groups, as well as by sharing the preliminary results of the project with them. They will further disseminate the knowledge and skills gained in this project to their contacts, at home and abroad. Thanks to their participation in the project, they will also expand the network of contacts and will participate in the international network dedicated to sustainable anc circular water-nutrient management. 1,393 / 1,500 characters
				Other organisations	The higher education and research institutions will support pilots with experience and knowledge, shared during the several events organised as the part of the project, as well as provider of technical support for experiments. They will provide an analytical infrastructure and competencies in managing pilots. Moreover, they often combine the issues of scientific development with business implementations. They will be invited to the workshops and other events organised during the project. They will have opportunity to participate in target groups networks and share their technical and non-technical knowledge. Thanks to the new networks of contacts and participation in target groups networks, they will extend their institutional capacity - their experts will extended knowledge and skills, which will allow them to participate in subsequent projects as experts. 871 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

Would you like to apply for reimbursement of the preparation costs?	Yes

Other EU support of preparatory cost

Did you receive any other EU funds specifically designated to the development of this project application?	No

7.1 Breakdown of planned project expenditure per cost category & per partner

No. & role	Partner name	Partner status	CAT0 - Preparation costs	CAT1 - Staff	CAT2 - Office & administration
1 - LP	Chamber of Economy Polish Waterworks	Active 22/09/2022	3,000.00	217,040.00	32,556.00
2 - PP	Centrum Balticum Foundation	Active 22/09/2022	3,000.00	201,240.00	30,186.00
3 - PP	Klaipeda Chamber of Commerce Industry and Crafts	Active 22/09/2022	1,000.00	113,520.00	17,028.00
4 - PP	University of Latvia	Active 22/09/2022	2,000.00	206,400.00	30,960.00
5 - PP	Mineral and Energy Economy Research Institute of the Polish Academy of Sciences	Active 22/09/2022	3,000.00	204,621.00	30,693.15
6 - PP	Savonia University of Applied Sciences Ltd.	Active 22/09/2022	3,000.00	280,250.00	42,037.50
7 - PP	Warsaw University of Technology	Active 22/09/2022	2,000.00	207,210.00	31,081.50
8 - PP	Samsø Municipality	Active 22/09/2022	1,000.00	76,856.00	11,528.40
9 - PP	Schwander	Active 22/09/2022	1,000.00	55,775.10	8,366.27
10 - PP	Municipal Water and Sewerage Company in Warsaw	Active 22/09/2022	1,000.00	139,401.00	20,910.15
11 - PP	Samsø Wastewater Utility	Active 22/09/2022	1,000.00	42,711.00	6,406.65
12 - PP	Jurmala Water Utility (Jurmalas udens Ltd.)	Active 22/09/2022	1,000.00	150,000.00	22,500.00
13 - PP	Siauliai Chamber of Commerce, Industry and Crafts	Active 22/09/2022	1,000.00	126,000.00	18,900.00
14 - PP	VNK serviss, Ltd.	Active 22/09/2022	1,000.00	80,254.83	12,038.22
Total			24,000.00	2,101,278.93	315,191.84

No. & role	Partner name	CAT3 - Travel & accommodation	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	Chamber of Economy Pol	32,556.00	18,600.00	15,400.00	319,152.00
2 - PP	Centrum Balticum Found	30,186.00	42,998.00	3,000.00	310,610.00
3 - PP	Klaipeda Chamber of Co	17,028.00	23,800.00	0.00	172,376.00
4 - PP	University of Latvia	30,960.00	18,500.00	29,000.00	317,820.00
5 - PP	Mineral and Energy Econ	30,693.15	27,500.00	0.00	296,507.30
6 - PP	Savonia University of App	42,037.50	50,000.00	80,200.00	497,525.00
7 - PP	Warsaw University of Te	31,081.50	10,500.00	37,000.00	318,873.00
8 - PP	Samsø Municipality	11,528.40	9,507.20	0.00	110,420.00
9 - PP	Schwander	8,366.27	3,000.00	61,000.00	137,507.64
10 - PP	Municipal Water and Sew	20,910.15	108,447.00	108,654.00	399,322.30
11 - PP	Samsø Wastewater Utilit	6,406.65	5,896.00	9,568.80	71,989.10
12 - PP	Jurmala Water Utility (Jur	22,500.00	110,000.00	184,000.00	490,000.00
13 - PP	Siauliai Chamber of Com	18,900.00	64,500.00	4,100.00	233,400.00
14 - PP	VNK serviss, Ltd.	12,038.22	34,600.00	31,800.00	171,731.27
Total		315,191.84	527,848.20	563,722.80	3,847,233.61

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Chamber of Eco	Specialist support	CAT4-PP1-E-0	management support 18 / 100 characters	No	N/A	5,200.00	
2. Centrum Balticu	Communication	CAT4-PP2-C-0	video/animations etc. digital communication 44 / 100 characters	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 2.5 3.1 3.2	16,000.00	
2. Centrum Balticu	Events/meetings	CAT4-PP2-A-0	technical support on international digital information sessions 63 / 100 characters	No	1.4 1.5 2.1 2.2 2.3 2.4 2.5 3.1 3.2	9,166.60	
11. Samsø Wastew	Specialist support	CAT4-PP11-E-	support to organise and control the pilot during WP2 52 / 100 characters	No	2.1 2.2 2.3	5,896.00	
8. Samsø Municipali	Specialist support	CAT4-PP8-E-0	support in pilot development 28 / 100 characters	No	2.1 2.2 2.3	9,507.20	
2. Centrum Balticu	Events/meetings	CAT4-PP2-A-0	face-to-face events, information seminars, support to dialogue sessions etc. 78 / 100 characters	No	3.1 3.2	9,831.40	
1. Chamber of Eco	Communication	CAT4-PP1-C-0	communication with Polish stakeholders: press, mailing, internet 64 / 100 characters	No	3.1 3.2	2,100.00	
3. Klaipeda Chamb	Specialist support	CAT4-PP3-E-0	External expert support in conducting the questionnaire and in-depth interviews 79 / 100 characters	No	3.1 3.2	3,000.00	
	Total					527,848.20	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Chamber of Eco	Events/meetings	CAT4-PP1-A-0	2 meetings selected partners during WP2 (room, equipment) 58 / 100 characters	No	2.1 2.2 2.3	2,100.00	
5. Mineral and Ener	Specialist support	CAT4-PP5-E-1	External support in conducting the questionnaire and in-depth interviews 73 / 100 characters	No	1.1 1.2	15,500.00	
13. Siauliai Chambe	Specialist support	CAT4-PP13-E-	experts to training of stakeholders and decissionmakers, conducting the questionnaire, interviews 97 / 100 characters	No	1.1 1.2 1.4 3.1 3.2	6,000.00	
4. University of Latv	Events/meetings	CAT4-PP4-A-1	Project management meetings, conferences, workshops 51 / 100 characters	No	1.1 2.1 2.2 3.1	18,500.00	
5. Mineral and Ener	Events/meetings	CAT4-PP5-A-1	Organisation of local target groups meetings (6 in total, one per semester) 75 / 100 characters	No	1.2	12,000.00	
7. Warsaw Universi	Events/meetings	CAT4-PP7-A-1	meeting with project partners during WP1 (final framework discussion) 69 / 100 characters	No	1.3	1,200.00	
7. Warsaw Universi	Specialist support	CAT4-PP7-E-1	translations 12 / 100 characters	No	1.3 2.1 2.3	3,500.00	
10. Municipal Water	Events/meetings	CAT4-PP10-A-	face-to-face events, information seminars, conferences, local authority meeting 80 / 100 characters	No	1.3 2.1 2.2	9,523.00	
1. Chamber of Eco	Specialist support	CAT4-PP1-E-1	data management, technology assessment 38 / 100 characters	No	1.4	9,200.00	
10. Municipal Water	Communication	CAT4-PP10-C-	translations 12 / 100 characters	No	2.1	7,142.00	
	Total					527,848.20	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
10. Municipal Water	Other	CAT4-PP10-G-	Specialized sample testing for micropollutants and toxins 57 / 100 characters	No	2.1	87,021.00	
10. Municipal Water	IT	CAT4-PP10-B-	running social media 20 / 100 characters	No	2.1	4,761.00	
6. Savonia Universit	Other	CAT4-PP6-G-2	External laboratory services (external sample validation) 57 / 100 characters	No	2.1 2.2 2.3	25,000.00	
6. Savonia Universit	Other	CAT4-PP6-G-2	Advanced sample characterisation including selected micro-pollutants. Average cost 200 EUR/sample. 98 / 100 characters	No	2.1 2.2 2.3	25,000.00	
14. VNK serviss. Lt	Other	CAT4-PP14-G-	External laboratory services (external sample validation). Average cost 200 EUR/sample. 87 / 100 characters	No	2.1 2.3	21,600.00	
9. Schwander	Other	CAT4-PP9-G-2	External laboratory services 28 / 100 characters	No	2.2	3,000.00	
3. Klaipeda Chamb	Events/meetings	CAT4-PP3-A-2	Meetings with stakeholders, local information seminars, dialogue sessions. 74 / 100 characters	No	3.1	7,800.00	
13. Siauliai Chambe	Communication	CAT4-PP13-C-	communication campaigns: TV, press, social networks influencers 63 / 100 characters	No	3.1 3.2	20,000.00	
13. Siauliai Chambe	Events/meetings	CAT4-PP13-A-	events, information seminars, support to dialogue sessions: venue, promotional items 85 / 100 characters	No	3.1 3.2	20,000.00	
13. Siauliai Chambe	Other	CAT4-PP13-G-	travels of decisionmakers to pilot places 41 / 100 characters	No	3.2	8,500.00	
2. Centrum Balticu	Communication	CAT4-PP2-C-2	external visual/ad work for the presentation materials, reports etc. 69 / 100 characters	No	3.2	8,000.00	
	Total					527,848.20	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
3. Klaipeda Chamb	Communication	CAT4-PP3-C-3	Promotion of project material via SoMe, digital communication, press 68 / 100 characters	No	3.2	7,000.00	
13. Siauliai Chambe	Specialist support	CAT4-PP13-E-	Handbook, IT tool, other translation 37 / 100 characters	No	3.2	5,000.00	
13. Siauliai Chambe	National control	CAT4-PP13-F-	audit 6 / 100 characters	No	N/A	5,000.00	
3. Klaipeda Chamb	National control	CAT4-PP3-F-3	First level controller (audit) cost 35 / 100 characters	No	N/A	6,000.00	
14. VNK serviss. Lt	Communication	CAT4-PP14-C-	Digital communication, press releases, representation materials. 64 / 100 characters	No	2.3	3,000.00	
12. Jurmala Water	Other	CAT4-PP12-G-	sampling, necessary accessories, expert support and other 57 / 100 characters	No	2.1 2.2 2.3	40,000.00	
12. Jurmala Water	Communication	CAT4-PP12-C-	materials for preparation environmental education, public information, project publicity 88 / 100 characters	No	2.4 2.5 3.1 3.2	50,000.00	
12. Jurmala Water	Other	CAT4-PP12-G-	transportation of reused water 30 / 100 characters	No	2.1 2.2 2.3	20,000.00	
7. Warsaw Universi	Other	CAT4-PP7-G-3	service and calibration of equipment used in pilots 52 / 100 characters	No	2.1	5,000.00	
7. Warsaw Universi	Other	CAT4-PP7-G-3	samples external transportation 31 / 100 characters	No	2.1	800.00	
14. VNK serviss. Lt	Specialist support	CAT4-PP14-E-	support in pilot development 28 / 100 characters	No	2.3	6,500.00	
14. VNK serviss. Lt	Other	CAT4-PP14-G-	transportation of reused water 30 / 100 characters	No	2.3	3,500.00	
	Total					527,848.20	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Chamber of Eco	Furniture and fittings	CAT5-PP1-C-0	office furniture to organise a place for the project management office 70 / 100 characters	No	N/A	9,200.00	
1. Chamber of Eco	IT hardware and soft	CAT5-PP1-B-0	2xLaptop and software 21 / 100 characters	No	N/A	6,200.00	
2. Centrum Balticu	IT hardware and soft	CAT5-PP2-B-0	2xlaptop and software 21 / 100 characters	No	3.1 3.2	3,000.00	
4. University of Latv	Laboratory equipmen	CAT5-PP4-D-0	Laboratory consumables, gases, chemicals 40 / 100 characters	No	2.1 2.2	29,000.00	
13. Siauliai Chambe	Office equipment	CAT5-PP13-A-	Scanner/printer for project staff to implement project management and activities 80 / 100 characters	No	N/A	1,100.00	
13. Siauliai Chambe	IT hardware and soft	CAT5-PP13-B-	2 laptops with software to project staff to implement project management /activities 85 / 100 characters	No	N/A	3,000.00	
6. Savonia Universit	Other specific equip	CAT5-PP6-H-0	Small components for test-rig construction. 43 / 100 characters	No	2.1 2.2 2.3	50,000.00	
6. Savonia Universit	Other specific equip	CAT5-PP6-H-0	Laboratory and chemical consumables 35 / 100 characters	No	2.1 2.2 2.3	30,200.00	
7. Warsaw Universi	Laboratory equipmen	CAT5-PP7-D-0	Laboratory and chemical consumables 35 / 100 characters	No	2.1	31,400.00	
	Total					563,722.80	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
7. Warsaw Universi	IT hardware and soft	CAT5-PP7-B-1	2x laptop+software/license+monitor 34 / 100 characters	No	1.3 2.1 2.3 3.1	5,600.00	
11. Samsø Wastew	Laboratory equipmen	CAT5-PP11-D-	equipement needed to build the pilot 37 / 100 characters	No	2.3	9,568.80	
9. Schwander	Laboratory equipmen	CAT5-PP9-D-1	portable analyser needed to test the characteristics of wastewater samples at the pilot site 92 / 100 characters	No	2.2	61,000.00	
10. Municipal Water	IT hardware and soft	CAT5-PP10-B-	control and measurement apparatus for the pilot station 57 / 100 characters	No	2.1	35,714.00	
10. Municipal Water	Laboratory equipmen	CAT5-PP10-D-	glass and laboratory reagents 30 / 100 characters	No	2.1	5,084.00	
10. Municipal Water	Machines and instru	CAT5-PP10-E-	equipement needed to build the pilot 37 / 100 characters	No	2.1	61,904.00	
10. Municipal Water	Other specific equip	CAT5-PP10-H-	Laboratory tent with equipment 30 / 100 characters	No	2.1	5,952.00	
14. VNK serviss, Lt	Laboratory equipmen	CAT5-PP14-D-	Portable analyser needed to test the characteristics of wastewater samples at the pilot site 92 / 100 characters	No	2.1 2.2 2.3	12,000.00	
14. VNK serviss, Lt	Other specific equip	CAT5-PP14-H-	Laboratory reagents for internal tests, small laboratory equipment 66 / 100 characters	No	2.1 2.2 2.3	16,800.00	
14. VNK serviss, Lt	IT hardware and soft	CAT5-PP14-B-	Laptop and software 19 / 100 characters	No	2.1 2.2 2.3	1,500.00	
	Total					563,722.80	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
14. VNK serviss, Lt	Other specific equip	CAT5-PP14-H-	Small components for building up pilot greenhouse. (50 / 100 characters)	No	2.3	1,500.00	
12. Jurmala Water	Laboratory equipmen	CAT5-PP12-D-	Facilities, instalation, methods, reagents (42 / 100 characters)	No	2.1 2.2 2.3	184,000.00	
	Total					563,722.80	

7.1.3 Infrastructure and works

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
Please select	Please select	CAT6-PP--01	(0 / 100 characters)	Please select		0.00	
	Total					0.00	

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Chamber of Economy Polish Waterworks	Active 22/09/2022	PL	ERDF	80.00 %	319,152.00	255,321.60	63,830.40	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	Centrum Balticum Foundation	Active 22/09/2022	FI	ERDF	80.00 %	310,610.00	248,488.00	62,122.00	
3-PP	Klaipeda Chamber of Commerce Industry and Crafts	Active 22/09/2022	LT	ERDF	80.00 %	172,376.00	137,900.80	34,475.20	
4-PP	University of Latvia	Active 22/09/2022	LV	ERDF	80.00 %	317,820.00	254,256.00	63,564.00	
5-PP	Mineral and Energy Economy Research Institute of the Polish Academy of Sciences	Active 22/09/2022	PL	ERDF	80.00 %	296,507.30	237,205.84	59,301.46	
Total ERDF						3,847,233.61	3,077,786.88	769,446.73	
Total						3,847,233.61	3,077,786.88	769,446.73	

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
6-PP	Savonia University of Applied Sciences Ltd.	Active 22/09/2022	FI	ERDF	80.00 %	497,525.00	398,020.00	99,505.00	
7-PP	Warsaw University of Technology	Active 22/09/2022	PL	ERDF	80.00 %	318,873.00	255,098.40	63,774.60	
8-PP	Samsø Municipality	Active 22/09/2022	DK	ERDF	80.00 %	110,420.00	88,336.00	22,084.00	
9-PP	Schwander	Active 22/09/2022	PL	ERDF	80.00 %	137,507.64	110,006.11	27,501.53	
10-PP	Municipal Water and Sewerage Company in Warsaw	Active 22/09/2022	PL	ERDF	80.00 %	399,322.30	319,457.84	79,864.46	
11-PP	Samsø Wastewater Utility	Active 22/09/2022	DK	ERDF	80.00 %	71,989.10	57,591.28	14,397.82	
12-PP	Jurmala Water Utility (Jurmalas udens Ltd.)	Active 22/09/2022	LV	ERDF	80.00 %	490,000.00	392,000.00	98,000.00	
13-PP	Siauliai Chamber of Commerce, Industry and Crafts	Active 22/09/2022	LT	ERDF	80.00 %	233,400.00	186,720.00	46,680.00	
14-PP	VNK serviss, Ltd.	Active 22/09/2022	LV	ERDF	80.00 %	171,731.27	137,385.01	34,346.26	
Total ERDF						3,847,233.61	3,077,786.88	769,446.73	
Total						3,847,233.61	3,077,786.88	769,446.73	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Preparation costs	24,000.00	19,200.00	24,000.00	19,200.00
Period 1	500,000.00	400,000.00	500,000.00	400,000.00
Period 2	1,000,000.00	800,000.00	1,000,000.00	800,000.00
Period 3	400,000.00	320,000.00	400,000.00	320,000.00
Period 4	400,000.00	320,000.00	400,000.00	320,000.00
Period 5	1,000,000.00	800,000.00	1,000,000.00	800,000.00
Period 6	523,233.61	418,586.88	523,233.61	418,586.88
Total	3,847,233.61	3,077,786.88	3,847,233.61	3,077,786.88