1. Identification

Call	Date of submission
C1	25/04/2022

1.1. Full name of the project

Model Nutrients Reduction Solutions In Near-Coast Touristic Areas

65 / 250 characters

1.2. Short name of the project

NURSECOAST-II

13 / 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

Wastewater (WW) discharged from the near-coast Baltic tourist regions, often from very small treatment plants (TP) (<2000 Person Equivalent, PE), is characterized by a large variability of flow due to seasonality. Such conditions make it difficult to continuously obtain the required effluent quality parameters and may endanger the overall quality of the touristic place and satisfaction of the clients. Finding a different WW technological solution especially adapted to tourist areas would reduce the nutrients inputs to the sea across the BSR. The projects covers broader approach than only technological solutions as the umbrella goal is to reduce nutrients outflow from touristic areas. It may happen that a tourist site manages its discharge of nutrients ineffectively. The clear challenge is the ADAPTATION TO HIGH SEASONALITY. The project demonstrates the potential for a high macro-regional impact with regional focus, as the challenge implies different solutions eg. for sandy coasts of PL, DE, LT as compared to rocky archipelagos of SE, FI, EE. Below the novel approach divided into different places in water value chain, that will be examined in the main project and origins from the identified gaps: WW treatment technologies, treated WW reuse, using the nature to treat the excess of WW in the summer, greywater and sludge management, replication and reintroduction. The main target groups benefitting would be local public authorities and touristic objects owners and operators.

1,495 / 1,500 characters

1.8. Summary of the partnership

Composition:
The NURSECOAST-II consortium at its minimum of 7 partners (FI, PL, DK, LT) has already been formed during the NURSECOAST Seed Money project application in November 2019. Thank to the Seed Money stage, it has extended and was well established among 17 partners from all the BSR countries until mid 2021. This proves that partners have been well integrated and informed about their capabilities and competences, in spite of difficult COVID-19 times back then. The partnership consists of 5 research organisations (PL, DK, LT, EE, FI), 2 NGOs (LV, FI), 1 NGO/ touristic object (PL), 1 education organisation (FI), 1 SME (DK), 2 associations (DE, PL) and the final target groups: 3 near-coast municipalities with real-scale problems (SE, FI, PL) and 2 public water utilities (LT, DK). This shows that among us there are all necessary competences to fulfill the project activities and reach the given outputs.

Imabalance:
The little impalance is reflected in only one partner from Sweden and one partner from Germany, taking into account the size of these countries. However our partner - the Association of Polish Communes of Euroregion Baltic, covering 9 Baltic subregions and 38 communes would hopefully meet this imbalance by the tremendous networking with their participating members. The Euroregion Baltic is a solid network in the Southern shores of the Baltic Sea, composed by 10 members: EIGHT regions of Denmark (Bornholm), Sweden (Blekinge, Kalmar, Kronoberg, Poland (Warmia-Masuria and Pomerania), Lithuania (Klaipeda) and Russia (Kaliningrad), the Association of Polish Communes of Euroregion Baltic and Skane Association of Local Authorities (the latter since 01.01.2019).

Associated Organisations (AO):
Having 25 AOs on board makes the NURSECOAST-II project very rich in terms of impact and further replication. We had a very promissing engagement from many local public authorities representing touristic regions tackling with uncontrolled seasonality affecting the natural environment including the quality of waters. They were not only from the near-coast, but also from lake areas of the Baltic Sea Region. Among others, we managed to attract 9 NGOs and 7 new local public authorities, 2 infrastructure and public service providers, 1 business support organisation, 2 sectoral agencies, 1 research unit, 2 interest groups and 1 SME.

Target groups involvement:
Target groups, both from the consortium and from the AOs will be involved across all work packages. In WP2 they will be involved in the evaluation/ adjusting/ validating of the pilots whereas in WP3 they will be involved in activities of transfer and uptake of the finalised solution. Below their clear contribution to the following GoAs:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

3,000 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	3,536,944.17
	Own contribution ERDF	0.00	884,236.10
	ERDF budget	0.00	4,421,180.27
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	3,536,944.17
	Total own contribution	0.00	884,236.10
	Total budget	0.00	4,421,180.27

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	The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)	Instytut Maszyn Przepływowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN)	PL	Higher education and research institution	a)	538,137.78 €	Active	22/09/2022
2	PP	Kaunas University of Technology (KTU)	Kauno Technologijos Universitetas (KTU)	LT	Higher education and research institution	a)	165,526.33 €	Active	22/09/2022
3	PP	Natural Resources Institute Finland (LUKE)	Luonnonvarakeskus (LUKE)	FI	Higher education and research institution	a)	489,684.00 €	Active	22/09/2022
4	PP	SYKLI Environmental School of Finland (SYKLI)	Suomen ympäristöopisto (SYKLI)	FI	Education/training centre and school	a)	195,470.00 €	Active	22/09/2022
5	PP	Keep the Archipelago Tidy Association (KATA)	Pidä Saaristo Siistinä (PSS)	FI	NGO	a)	161,160.00 €	Active	22/09/2022
6	PP	Aalborg Univesity (AAU)	Aalborg Universitet (AAU)	DK	Higher education and research institution	a)	333,467.20 €	Active	22/09/2022
7	PP	The Bogdan Janski Bure Misie Community Foundation (BMCF)	Fundacja Wspólnoty Burego Misia im. Bogdana Jańskiego (FWBM)	PL	Interest group	b)	280,985.52 €	Active	22/09/2022
8	PP	Stockholm Environment Institute Tallinn Centre (SEI Tallinn)	Stockholmi Keskkonnainstituudi Tallinna Keskus (SEI Tallinn)	EE	NGO	b)	273,181.07 €	Active	22/09/2022
9	PP	NGO Cidonya	Biedrība Cidonya	LV	NGO	b)	415,452.00 €	Active	22/09/2022
10	PP	Municipality of Söderhamn	Söderhamns kommun	SE	Local public authority	a)	327,210.40 €	Active	22/09/2022
11	PP	Municipality of Ingå	Inkoon kunta	FI	Local public authority	a)	249,999.99 €	Active	22/09/2022
12	PP	Municipality of Smoldzino	Urząd Gminy Smołdzino	PL	Local public authority	a)	201,612.33 €	Active	22/09/2022
13	PP	JSC Neringa water	UAB Neringos vanduo	LT	Infrastructure and public service provider	a)	152,092.67 €	Active	22/09/2022
14	PP	Kilian Water	Kilian Water Aps	DK	Small and medium enterprise	b)	67,645.38 €	Active	22/09/2022
15	PP	NK forsyning	NK forsyning A/S	DK	Infrastructure and public service provider	a)	118,145.38 €	Active	22/09/2022
16	PP	Association of Polish Communes Euroregion Baltic	Stowarzyszenie Gmin RP Euroregion Bałtyk	PL	NGO	a)	210,754.22 €	Active	22/09/2022
17	PP	EUCC - The Coastal Union Germany	EUCC - Die Küsten Union Deutschland e.V	DE	NGO	b)	240,656.00 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Regional Fund for Environmental Protection and Water Management in Gdańsk	Wojewódzki Fundusz Ochrony Środowiska i Gospodarki Wodnej w Gdańsku	PL	Sectoral agency
AO 2	Municipality of Borgholm	Borghoms Kommun	SE	Local public authority
AO 3	City Commune of Elblag - Elblag Technology Park	Gmina Miasto Elbląg - Elbląski Park Technologiczny	PL	Business support organisation
AO 4	Baltic Sea Action Group	Baltic Sea Action Group	FI	NGO
AO 5	German Association for Water, Wastewater and Waste - North-East	DWA-Landesverband Nord-Ost	DE	NGO
AO 6	Association of Warmia and Mazury Borderland Communes	Stowarzyszenie Warmińsko Mazurskich Gmin Pogranicza	PL	NGO
AO 7	Union of Maritime Cities and Communes	Związek Miast i Gmin Morskich	PL	NGO
AO 8	WAMA-COOP Association for the Development of Local Cooperatives and Entrepreneurship	Stowarzyszenie na Rzecz Rozwoju Spółdzielczości i Przedsiębiorczości Lokalnej WAMA-COOP	PL	NGO
AO 9	Gdansk Water Foundation	Gdańska Fundacja Wody	PL	Interest group
AO 10	Association for water supply and sewage disposal on the island of Usedom	Zweckverband Wasserversorgung und Abwasserbeseitigung Insel Usedom	DE	Infrastructure and public service provider
AO 11	Association of Local Authorities in Lithuania	Lietuvos savivaldybių asociacija	LT	NGO
AO 12	Gdańsk University of Technology	Politechnika Gdańska	PL	Higher education and research institution
AO 13	Municipal Commune Nowe Miasto Lubawskie	Gmina Miejska Nowe Miasto Lubawskie	PL	Local public authority
AO 14	Association of Communes “Ekowod”	Związek Gmin „Ekowod”	PL	Infrastructure and public service provider
AO 15	Municipality of Braniewo	Gmina Miasta Braniewo	PL	Local public authority
AO 16	Tolkmicko Commune	Gmina Tolkmicko	PL	Local public authority
AO 17	The rural commune of Elblag	Gmina Wiejska Elbląg	PL	Local public authority
AO 18	Valonia	Valonia	FI	NGO
AO 19	The Association for Water and Environment of Western Uusimaa	Länsi-Uudenmaan vesi ja ympäristö ry (LUVY)	FI	NGO
AO 20	Municipality of Kimitoön	Kemiönsaaren kunta	FI	Local public authority
AO 21	Association of Great Masurian Lakes 2020	Stowarzyszenie Wielkie Jeziora Mazurskie 2020	PL	NGO
AO 22	The Commune of Koscierzyna	Gmina Kościerzyna	PL	Local public authority
AO 23	ELY-Centre for Southwest Finland	NTM-centralet i Egentliga Finland	FI	Regional public authority
AO 24	Latvian Water and Wastewater Works Association	BIEDRĪBA „LATVIJAS ŪDENSAPGĀDES UN KANALIZĀCIJAS UZŅĒMUMU ASOCIĀCIJA”	LV	Sectoral agency
AO 25	Surfcamp-Gardno campsite	Kemping Surfcamp-Gardno	PL	Small and medium enterprise

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 Instytut Maszyn Przepływowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN)

87 / 250 characters

Organisation in English	The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS) (85 / 250 characters)
Department in original language	Zakład Fizycznych Aspektów Ekoenergii (37 / 250 characters)
Department in English	Physical Aspects of Ecoenergy Department (40 / 250 characters)

Partner location and website:

Address	Fiszera 14 (10 / 250 characters)	**Country**	Poland
Postal Code	80-231 (6 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Gdańsk (6 / 250 characters)	**NUTS2 code**	Pomorskie
Website	https://www.imp.gda.pl/en/ (26 / 100 characters)	**NUTS3 code**	Trójmiejski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5840357882
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL5840357882 (12 / 50 characters)
PIC	999489650 (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:

Overall project leadership, WP2 leadership, WP1 co-leadership, and leadership of the following:

Groups of Activities:
GoA 1.2 PILOTS TECHNICAL PREPARATION
GoA 2.2 PILOT INVESTMENTS

Activities:
A1.1.1 GIS analyses of current small scale WWTP in chosen regions
A1.3.5 Identifying mitigation options and solutions
A2.1.4 Aeration optimization, effluent irrigation and local nutrients-rich substrates organic waste management paths at PILOT 5
A2.1.5 Hydrophyte biofilter treatment efficiency – design & technical support, seasonal loads effects on treatment, biomass valorisation and odours reduction at PILOT 6
A2.3.3 GIS analyses of the potential nutrients reductions in studied touristic regions
A3.1.1 Project communication strategy and plan
A3.1.4 Final conference in PL
A3.2.2 Creation of a technology suppliers / companies database for municipalities to foster WWTP investments

882 / 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 2

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

Partner name:

Organisation in original language	Kauno Technologijos Universitetas (KTU)
	39 / 250 characters
Organisation in English	Kaunas University of Technology (KTU)
	37 / 250 characters
Department in original language	Aplinkos Inžinerijos Institutas
	31 / 250 characters
Department in English	Institute of Environmental Engineering
	38 / 250 characters

Partner location and website:

Address	K. Donelaičio St. 73	**Country**	Lithuania
	20 / 250 characters		
Postal Code	44249	**NUTS1 code**	Lietuva
	5 / 250 characters		
Town	Kaunas	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
	6 / 250 characters		
Website	www.apinien.ktu.edu	**NUTS3 code**	Kauno apskritis
	19 / 100 characters		

Partner ID:

Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	111950581
VAT Number Format	LT + 9 digits
VAT Number	N/A ☐ LT111950581 (11 / 50 characters)
PIC	999844961 (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:

Leadership of the following:

Groups of Activities:
GoA 2.3 ENVIRONMENTAL and RISK Assessment

Activities:
A2.1.1 New methods for enhanced phosphorus at PILOT 1
A2.3.1 Environmental impact assessment using LCA

209 / 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 3

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

Partner name:

Organisation in original language	Luonnonvarakeskus (LUKE) (24 / 250 characters)
Organisation in English	Natural Resources Institute Finland (LUKE) (42 / 250 characters)

Department in original language	Biotalous ja ympäristö (BITA) (29 / 250 characters)
Department in English	Bioeconomy and Environment (BITA) (33 / 250 characters)

Partner location and website:

Address	Latokartanonkaari 9 (19 / 250 characters)	**Country**	Finland
Postal Code	FI-00790 (8 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Helsinki (8 / 250 characters)	**NUTS2 code**	Helsinki-Uusimaa
Website	www.luke.fi (11 / 100 characters)	**NUTS3 code**	Helsinki-Uusimaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	0244629-2
VAT Number Format	FI + 8 digits
VAT Number	**N/A** ☐ FI02446292 (10 / 50 characters)
PIC	n/a (3 / 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:

Leadership:
WP1

Groups of Activities:
GoA1.1 SEASONALITY MAPPING & ANALYSES

Activities:
A1.1.2 Identification of technological boundaries for selected pilots
A1.1.3 Survey of water use and possible water saving solutions in pilots
A2.1.7 Archipelago solution development at Skola Guest Habour
A3.1.2 Kick-off meeting in FI

326 / 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 4

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

Partner name:

Organisation in original language	Suomen ympäristöopisto (SYKLI) (30 / 250 characters)
Organisation in English	SYKLI Environmental School of Finland (SYKLI) (45 / 250 characters)
Department in original language	NA (2 / 250 characters)
Department in English	NA (2 / 250 characters)

Partner location and website:

Address	Malmin kauppatie 8 B, 4. krs. (29 / 250 characters)	**Country**	Finland
Postal Code	FI-00700 (8 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Helsinki (8 / 250 characters)	**NUTS2 code**	Helsinki-Uusimaa
Website	www.sykli.fi (12 / 100 characters)	**NUTS3 code**	Helsinki-Uusimaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	0681365-1
VAT Number Format	FI + 8 digits
VAT Number	N/A ☐ FI06813651 (10 / 50 characters)
PIC	N/A (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Education/training centre and school	Primary, secondary, pre-school, vocational training, etc.

Sector (NACE) 85.32 - Technical and vocational secondary 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:

Leadership of the following:

Activities:
A2.3.2 Risk assessment by using the “Impact tool” to demonstrate the nutrient reduction potential of the solution in a potential new area for municipalities. Includes initial SWOT analysis which feeds into GoA 1.3 and GoA 1.4
A3.1.7 Compiling & development of e-campaign for awareness raising

334 / 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 5

LP/PP Project Partner

Partner Status Active

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

Partner name:

Organisation in original language Pidä Saaristo Siistinä (PSS)

28 / 250 characters

Organisation in English Keep the Archipelago Tidy Association (KATA)

44 / 250 characters

Department in original language Ympäristöprojektit

18 / 250 characters

Department in English Dept. of Environmental Projects

31 / 250 characters

Partner location and website:

Address Linnankatu 16

13 / 250 characters

Postal Code 20100

5 / 250 characters

Town Turku

5 / 250 characters

Website www.pidasaaristosiistina.fi

27 / 100 characters

Country Finland

NUTS1 code Manner-Suomi

NUTS2 code Etelä-Suomi

NUTS3 code Varsinais-Suomi

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	0533315-4
VAT Number Format	FI + 8 digits
VAT Number	N/A ☐ FI05333154 (10 / 50 characters)
PIC	(0 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	NGO	Non-governmental organisations, such as Greenpeace, WWF, etc.
Sector (NACE)	94.99 - Activities of other membership organisations n.e.c.	

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:

Established in 1969, KATA is a Finnish environmental organisation for boaters and all those travelling in and around Finnish waterways. The Association serves the archipelago and coastal regions, as well as the network of lakes in the Finnish Lakeland region. The role for KATA in NURSECOAST-II is to function as the responsible party for all communication actions. Also, KAT is responsible for planning the overall work for the local dissemination events as well as pilot films. KATA will also support all work related to archipelago regions through its expertise on managing wastewaters from leisure boating in the Finnish archipelago. KAT will also manage dissemination actions to ensure work being promoted and stored accordingly.

Leadership of:
Activities:
A2.4.2 Creation of peer review documentation, incl. questionnaire and feedback template
A3.1.6 Development and promotion of project materials, incl. posters, rollups, broshures
A3.3.2 Cross project exchange / cooperation

985 / 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 6

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

Partner name:

Organisation in original language	Aalborg Universitet (AAU) (25 / 250 characters)
Organisation in English	Aalborg Univesity (AAU) (23 / 250 characters)
Department in original language	Institut for Kemi og Biovidenskab (33 / 250 characters)

Department in English	Department of Chemistry and Life Sciences (41 / 250 characters)

Partner location and website:

Address	Fredrik Bajers Vej 7K (21 / 250 characters)	**Country**	Denmark
Postal Code	9220 (4 / 250 characters)	**NUTS1 code**	Danmark
Town	Aalborg (7 / 250 characters)	**NUTS2 code**	Nordjylland
Website	www.bio.aau.dk (14 / 100 characters)	**NUTS3 code**	Nordjylland

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	29102384
VAT Number Format	DK + 8 digits
VAT Number	**N/A** ☐ DK29 10 23 84 (13 / 50 characters)
PIC	n/a (3 / 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:

Co-leadership of WP2, leadership of the following:

Groups of Activities:
GoA 2.1 PILOTS DEVELOPMENT SUPPORT & Validation

Activities:
A1.1.4 Options analysis: nutrient reducing and recycling, from wastewater to resource (eg. sludge mng, phytoremediation and biomass harvests for possible use, irrigation with WW)
A1.3.4 Predicting Impacts - Based on the analysis of information gathered
A2.1.2 Nano-bubbles aeration efficiency tests at PILOT 2
A2.1.3 New methods for enhanced phosphorus removal and membrane filtration tests at PILOT 3
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings

643 / 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	Fundacja Wspólnoty Burego Misia im. Bogdana Jańskiego (FWBM) (60 / 250 characters)
Organisation in English	The Bogdan Janski Bure Misie Community Foundation (BMCF) (56 / 250 characters)
Department in original language	N/A (3 / 250 characters)
Department in English	N/A (3 / 250 characters)

Partner location and website:

Address	Osadowa 7, Nowy Klincz (22 / 250 characters)	**Country**	Poland
Postal Code	83-400 (6 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Kościerzyna (11 / 250 characters)	**NUTS2 code**	Pomorskie
Website	www.buremisie.org.pl (20 / 100 characters)	**NUTS3 code**	Chojnicki

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5910004776
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL5910004776 (12 / 50 characters)
PIC	N/A (3 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs
Sector (NACE)	79.90 - Other reservation service and related activities	

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)]			32.9
	Employees [in AWU]			30.9
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			2.0
	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]			580,491.92
	Annual balance sheet total [in EUR]			1,239,992.65
	Operating profit [in EUR]			33,875.78

Role of the partner organisation in this project:

Leadership of the following, responsible for the PILOT 5 investment:

Activities:
A1.2.5 PILOT 5 (PL) BMCF. Waste water reuse via irrigation at the touristic settlement.
A2.1.6 Testing the IT system for remote management of the WWTP
2.2.5 PILOT 5 (PL) BMCF. Filtration, disinfection, irrigation and monitoring system for treated wastewater. CAUTION: Method from PILOT 3 tested at PILOT 5: Nano-bubbles aeration have been suggested as a method for membrane cleaning and can eventually be used to reduce size of reactors.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

753 / 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 8

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

Partner name:

Organisation in original language	Stockholmi Keskkonnainstituudi Tallinna Keskus (SEI Tallinn)
	60 / 250 characters
Organisation in English	Stockholm Environment Institute Tallinn Centre (SEI Tallinn)
	60 / 250 characters
Department in original language	Säästva arengu programm
	23 / 250 characters
Department in English	Sustainable development programme
	33 / 250 characters

Partner location and website:

Address	Erika 14 8 / 250 characters	**Country**	Estonia
Postal Code	10416 5 / 250 characters	**NUTS1 code**	Eesti
Town	Tallinn 7 / 250 characters	**NUTS2 code**	Eesti
Website	https://www.sei.org/centres/tallinn/about/ 42 / 100 characters	**NUTS3 code**	Põhja-Eesti

Partner ID:

Organisation ID type	Registration code (Registrikood)
Organisation ID	90000966
VAT Number Format	EE + 9 digits
VAT Number	**N/A** ☐ EE100539594 11 / 50 characters
PIC	999448425 9 / 9 characters

Partner type:

Legal status	b) Private	
Type of partner	NGO	Non-governmental organisations, such as Greenpeace, WWF, 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

Financial data

Reference period	01/01/2020	–	31/12/2020
Staff headcount [in annual work units (AWU)]			17.0
Employees [in AWU]			17.0
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]			1,173,645.00
Annual balance sheet total [in EUR]			592,773.00
Operating profit [in EUR]			11,514.00

Role of the partner organisation in this project:

Leadership of the following:

Activities:
A2.1.8 Survey on decentralised wastewater systems on Moonsund Archipelago in Estonia
A3.2.3 Identification and sharing of links to business innovation funding
A3.3.3 Promotion networking and exchange at relevent transnational conferences / events

289 / 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	Biedrība Cidonya (16 / 250 characters)
Organisation in English	NGO Cidonya (11 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Skaras (6 / 250 characters)	**Country**	Latvia
Postal Code	LV-3147 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Tukuma nov., Džūkstes pag., Džūkste (35 / 250 characters)	**NUTS2 code**	Latvija
Website	https://www.facebook.com/biedribacidonya/ (42 / 100 characters)	**NUTS3 code**	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	40008232716
VAT Number Format	LV + 11 digits
VAT Number	N/A ☑ (0 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	NGO	Non-governmental organisations, such as Greenpeace, WWF, etc.
Sector (NACE)	94.99 - Activities of other membership organisations 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	01/01/2020 –	31/12/2020
Staff headcount [in annual work units (AWU)]		0.0
Employees [in AWU]		0.0
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]		1,000.00
Annual balance sheet total [in EUR]		700.00
Operating profit [in EUR]		0.00

Role of the partner organisation in this project:

Leadership of the following:

Groups of Activities:
GoA 3.2 BARRIERS & INCENTIVES FOR BUSINESS

Activities:
A1.1.5 Final <2000 PE WWTP wastewater seasonality examination in the partnering countries for given touristic locations and pilots
A2.4.1 Peer review development workshop (at mid term meeting LV)
A3.1.3 Mid-term workshop in LV
A3.2.1 Identification of investor priorities and the development of transferable investors guidelines for BSR sites

450 / 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	Söderhamns kommun
	17 / 250 characters
Organisation in English	Municipality of Söderhamn
	25 / 250 characters
Department in original language	Sektor Styrning och Stöd
	24 / 250 characters
Department in English	Department for governance and support
	37 / 250 characters

Partner location and website:

Address	Västra storgatan	**Country**	Sweden
	16 / 250 characters		

Postal Code	82680 (5 / 250 characters)	**NUTS1 code**	Norra Sverige
Town	Söderhamn (9 / 250 characters)	**NUTS2 code**	Norra Mellansverige
Website	www.soderhamn.se (16 / 100 characters)	**NUTS3 code**	Gävleborgs län

Partner ID:

Organisation ID type	Organisation number (Organisationsnummer)
Organisation ID	212000-2353
VAT Number Format	SE + 12 digits
VAT Number	**N/A** ☐ SE212000235301 (14 / 50 characters)
PIC	N/A (3 / 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? Yes

Role of the partner organisation in this project:

As an only Swedish local public authority (target group) the involvement will be across all work packages, but the difference is that in wp2 involvement in the evaluation/adjusting/validating of the pilots whereas in wp3 in activities of transfer and uptake of the finalised solution.

Contribution and PPs support with Swedish background:
GoA 1.1.
A1.2.7 Compiling of articles and finalisation of Coastline Reports issue
GoA 1.3.
A1.4.1 Joint development of the co-design process for transnational exchange of ideas and learning
A1.4.3 Compiling of protocols and feedback report writing

GoA 2.3.
A2.4.2 Creation of peer review documentation, incl. questionnaire and feedback template
A2.4.4 Compiling of documentation and report writing

GoA 3.1.
A3.3.1 The compilation and dissemination of evidence-based policy recommendations - creation of policy brief
A3.3.2 Cross project exchange / cooperation

915 / 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	Inkoon kunta (12 / 250 characters)
Organisation in English	Municipality of Ingå (20 / 250 characters)
Department in original language	Tekninen toimiala (17 / 250 characters)
Department in English	Technical department (20 / 250 characters)

Partner location and website:

Address	Rantatie 2 (13 / 250 characters)	**Country**	Finland
Postal Code	10210 (6 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Inkoo (5 / 250 characters)	**NUTS2 code**	Helsinki-Uusimaa
Website	www.inkoo.fi (12 / 100 characters)	**NUTS3 code**	Helsinki-Uusimaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	0126293-4
VAT Number Format	FI + 8 digits
VAT Number	**N/A** ☐ FI01262934 (10 / 50 characters)
PIC	n/a (3 / 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?	No

Role of the partner organisation in this project:

Responsible for the PILOT 2 investment, leadership of the following:

Activities:
A1.2.2 PILOT 2 (FI) INGO. Grey water management at Skola Guest Habour, Bärösund
A2.2.2 PILOT 2 (FI) INGÅ. Dual Plumbing System for grey waters to be treated on site.

As a local public authority (target group) the involvement will be across all work packages, but the difference is that in wp2 involvement in the evaluation/adjusting/validating of the pilots whereas in wp3 in activities of transfer and uptake of the finalised solution.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

751 / 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 Urząd Gminy Smołdzino

21 / 250 characters

Organisation in English Municipality of Smoldzino

25 / 250 characters

Department in original language N/A

3 / 250 characters

Department in English N/A

3 / 250 characters

Partner location and website:

Address ul. Kościuszki 3

16 / 250 characters

Postal Code 76-214

6 / 250 characters

Town Smołdzino

10 / 250 characters

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

28 / 100 characters

Country Poland

NUTS1 code Makroregion północny

NUTS2 code Pomorskie

NUTS3 code Słupski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	8392045762
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL8392045762 (12 / 50 characters)
PIC	N/A (3 / 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? No

Role of the partner organisation in this project:

Responsible for the PILOT 6 investment, leadership of the following:

A1.2.6 PILOT 6 (PL) MoSmo. Hydrophyte wastewater treatment and biomass valorisation at the touristic near-coast, between lakes and close to Slowinski National Park, Łokciowe Village
A2.2.6 PILOT 6 (PL) MoSmo. Dual water plants bed system (horizontal/ vertical) close to Słowiński National Park

As a local public authority (target group) the involvement will be across all work packages, but the difference is that in wp2 involvement in the evaluation/adjusting/validating of the pilots whereas in wp3 in activities of transfer and uptake of the finalised solution.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

868 / 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	UAB Neringos vanduo (19 / 250 characters)
Organisation in English	JSC Neringa water (17 / 250 characters)
Department in original language	NA (2 / 250 characters)

Department in English	NA

2 / 250 characters

Partner location and website:

Address	G. D. Kuverto str. 11 (21 / 250 characters)	**Country**	Lithuania
Postal Code	LT-93123 (9 / 250 characters)	**NUTS1 code**	Lietuva
Town	Nida, Neringa (13 / 250 characters)	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
Website	https://nvanduo.lt (18 / 100 characters)	**NUTS3 code**	Klaipėdos apskritis

Partner ID:

Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	152767676
VAT Number Format	LT + 9 digits
VAT Number	**N/A** ☐ LT527676761 (11 / 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?	No

Role of the partner organisation in this project:

Responsible for the PILOT 1 investment, leadership of the following:

Activities:
A1.2.1 PILOT 1 (LT) JSC. New methods for enhanced phosphorus and other pollutants removal tests
A2.2.1 PILOT 1 (LT) NW. Application of the new technology for enhanced nitrogen and phosphorus removal. CAUTION: Method from PILOT 3 tested at PILOT 1: Nano-bubbles aeration have been suggested as a method for membrane cleaning and can eventually be used to reduce size of reactors.

As a public service provider (target group) the involvement will be across all work packages, but the difference is that in wp2 involvement in the evaluation/adjusting/validating of the pilots whereas in wp3 in activities of transfer and uptake of the finalised solution.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

967 / 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	Kilian Water Aps (16 / 250 characters)
Organisation in English	Kilian Water (12 / 250 characters)
Department in original language	Kilian Water (12 / 250 characters)
Department in English	Kilian Water (12 / 250 characters)

Partner location and website:

Address	Torupvej 4 (10 / 250 characters)	**Country**	Denmark
Postal Code	8654 (5 / 250 characters)	**NUTS1 code**	Danmark
Town	Bryrup (6 / 250 characters)	**NUTS2 code**	Midtjylland
Website	www.kilianwater.com (19 / 100 characters)	**NUTS3 code**	Østjylland

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	29325707
VAT Number Format	DK + 8 digits
VAT Number	**N/A** ☐ DK29 32 57 07 (13 / 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)	38.21 - Treatment and disposal of non-hazardous waste	

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)]		4.0
Employees [in AWU]		4.0
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]		171,416.00
Annual balance sheet total [in EUR]		164,620.00
Operating profit [in EUR]		-3,855.00

Role of the partner organisation in this project:

Responsible for the PILOT 4, Leadership of the Activities:

Activities:
A1.2.4 PILOT 4 (DK) KW. Kilian constructed wetland
A2.2.4 PILOT 4 (DK) KW. Improvement of water plant beds.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

Contribution to business oriented Activities:
GoA 3.2 BARRIERS & INCENTIVES FOR BUSINESS
A3.2.1 Identification of investor priorities and the development of transferable investors guidelines for BSR sites
A3.2.2 Creation of a technology suppliers / companies database for municipalities to foster WWTP investments
A3.2.3 Identification and sharing of links to business innovation funding
A3.2.4 Transnational business link event

836 / 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 15

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

Partner name:

Organisation in original language	NK forsyning A/S
	16 / 250 characters
Organisation in English	NK forsyning
	12 / 250 characters
Department in original language	NK-Spildevand
	13 / 250 characters
Department in English	NK-Spildevand
	13 / 250 characters

Partner location and website:

Address	Ærøvej 2 8 / 250 characters	**Country**	Denmark
Postal Code	4700 4 / 250 characters	**NUTS1 code**	Danmark
Town	Næstved 7 / 250 characters	**NUTS2 code**	Sjælland
Website	nk-forsyning.dk 15 / 100 characters	**NUTS3 code**	Vest- og Sydsjælland

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	32102611
VAT Number Format	DK + 8 digits
VAT Number	**N/A** ☐ DK32 10 26 11 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)	84.11 - General public administration 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:

Responsible for the PILOT 3 investment, leadership of the following:

Activities:
A1.2.3 PILOT 3 (DK) VR. Novel aeration at Vallenssved WWTP
A2.2.3 PILOT 3 (DK) VR. Application of the nano-bubbles aeration with high utilization of oxygen.

Hosting the study visits for other PPs within:
A1.4.2 Co-creation Workshops and study visits (CWSV) (ERB led)
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings (AAU led)

As a public service provider (target group) the involvement will be across all work packages, but the difference is that in wp2 involvement in the evaluation/adjusting/validating of the pilots whereas in wp3 in activities of transfer and uptake of the finalised solution.

745 / 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 16

LP/PP	Project Partner

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

Partner name:

Organisation in original language	Stowarzyszenie Gmin RP Euroregion Bałtyk (40 / 250 characters)
Organisation in English	Association of Polish Communes Euroregion Baltic (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	ul. Stary Rynek 25 (18 / 250 characters)	**Country**	Poland
Postal Code	82-300 (6 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Elbląg (6 / 250 characters)	**NUTS2 code**	Warmińsko-mazurskie
Website	https://eurobalt.org.pl (23 / 100 characters)	**NUTS3 code**	Elbląski

Partner ID:

Organisation ID type	Tax identification number (NIP)	
Organisation ID	5782449856	
VAT Number Format	PL + 10 digits	
VAT Number	**N/A** ☐	PL5782449856 (12 / 50 characters)
PIC	913455791 (9 / 9 characters)	

Partner type:

Legal status	a) Public	
Type of partner	NGO	Non-governmental organisations, such as Greenpeace, WWF, etc.
Sector (NACE)	82.11 - Combined office administrative service 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:

APC ERB's role spans 2 workpackages (WP1 as a 1.4 GoA and WP3 as a 3.1 lead + A3.2.4) with a focus on stakeholder involvement, information gathering & exchange for capacity building and communication for uptake / transfer. It will build on existing relationships within the Baltic community to help identify stakeholder needs, support co-design process for transnational exchange of ideas and learning, promote solutions dediated to challenges surrounding wastewater treatment in tourist areas, and bring together the necessary expertise and engagement with BSR Stakeholders, providing them with access to the developed results of the project. APC ERB will gather and input from project results and promote transfer of project findings on a national and local level. It will lead the awerness rasing campaign. APC ERB will be actively engaged with transnational & cross project activities and will help build awareness on the importance of improving wastewater treatment in Baltic Sea Region.

992 / 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 17

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

Partner name:

Organisation in original language	EUCC - Die Küsten Union Deutschland e.V (39 / 250 characters)
Organisation in English	EUCC - The Coastal Union Germany (32 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Friedrich-Barnewitz-Strasse 3 (29 / 250 characters)	**Country**	Germany
Postal Code	18119 (5 / 250 characters)	**NUTS1 code**	Mecklenburg-Vorpommern
Town	Rostock (7 / 250 characters)	**NUTS2 code**	Mecklenburg-Vorpommern
Website	www.eucc-d.de (13 / 100 characters)	**NUTS3 code**	Rostock, Kreisfreie Stadt

Partner ID:

Organisation ID type	Other registration number (Sonstige)
Organisation ID	VR1953 (6 / 50 characters)
VAT Number Format	DE + 9 digits
VAT Number	N/A ☐ DE248244159 (11 / 50 characters)
PIC	969444482 (9 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	NGO	Non-governmental organisations, such as Greenpeace, WWF, 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

Financial data	**Reference period**	01/01/2021 –	31/12/2021
	Staff headcount [in annual work units (AWU)]		6.0
	Employees [in AWU]		6.0
	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]		543,816.97
	Annual balance sheet total [in EUR]		85,309.33
	Operating profit [in EUR]		-16,181.05

Role of the partner organisation in this project:

EUCC-D's role spans all 3 workpackages (GoA 1.3, 2.4, 3.3 leads + A1.2.7 and A3.1.10) with a focus on stakeholder involvement, information gathering & exchange for capacity building and communication for uptake/transfer. It will build on existing relationships within the coastal community to help identify stakeholder needs, identify the socio-economic structure and challenges surrounding WW treatment in tourist areas, and bring together the necessary expertise to coherently compile a social considerations report. EUCC-D will gather and input relevant GIS mapping data for the DE Baltic coastline and promote transfer of project findings on a national and local level. It will lead the peer review process and will publish 1 issue of the Coastline Reports dedicated to pilot preparation work. EUCC-D will be actively engaged with transnational & cross activities and will help build awareness on the importance of improving WW treatment at tourist sites within the context of int. strategies.

997 / 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
Wojewódzki Fundusz Ochrony Środowiska i Gospodarki Wodnej w Gdańsku
67 / 250 characters

Organisation in English
Regional Fund for Environmental Protection and Water Management in Gdańsk
73 / 250 characters

Department in original language
NA
2 / 250 characters

Department in English
NA
2 / 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
ul. Rybaki Górne 8
18 / 250 characters

Country
Poland

Postal Code
80-861
6 / 250 characters

Town
Gdańsk
6 / 250 characters

Website
https://wfos.gdansk.pl
22 / 100 characters

Role of the associated organisation in this project:

Our organization is willing to participate as an Associated Organisation without financial contribution to the project. Our role will be related to meetings, workshops, seminars participation within WP3 with the aim of dissemination and further possible replication of project results among our network of contacts. We will support the project target groups by the following: involvement in WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 involvement in activities of transfer and uptake of the finalised solution. Below our clear contribution to the following GoAs:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

863 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language: Borghoms Kommun (15 / 250 characters)

Organisation in English: Municipality of Borgholm (24 / 250 characters)

Department in original language: NA (2 / 250 characters)

Department in English: NA (2 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: Östra kyrkogatan 10 (19 / 250 characters)

Country: Sweden

Postal Code: 387 32 (6 / 250 characters)

Town: Borgholm (8 / 250 characters)

Website: https://www.borgholm.se/ (24 / 100 characters)

Role of the associated organisation in this project:

Our organization is willing to participate as an Associated Organisation without financial contribution to the project. Our role will be related to meetings, workshops, seminars participation with the aim of dissemination and further possible replication of project results among our network of contacts. We are a target group from Sweden, and we will be involved across all work packages. In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake of the finalised solution. Below our clear contribution to the following GoAs:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

853 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language
Gmina Miasto Elbląg - Elbląski Park Technologiczny
50 / 250 characters

Organisation in English
City Commune of Elblag - Elblag Technology Park
47 / 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
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
ul. Stanisława Sulimy 1
23 / 250 characters

Country
Poland

Postal Code
82-300
6 / 250 characters

Town
Elbląg
6 / 250 characters

Website
http://ept.elblag.eu/
21 / 100 characters

Role of the associated organisation in this project:

Elbląg Technology Park, acting as an Associated Partner, will support the leader and the Euroregion Baltic in conducting information activities and sharing the acquired knowledge and contacts with friendly organizations . The collected practices and experiences will be used to better adapt tourist areas and reduce the influx of nutrients to water resources in the entire Baltic Sea area. The knowledge gained through the project will have an impact on improving the management of local resources and support EPT and local organizations in making the right decisions regarding the monitoring, prevention and reduction of pollution in groundwater and surface waters. This is especially important for us and the entire region. EPT will take part in meetings, workshops, participation in seminars in order to raise our competences, disseminate and further possible duplicate the results of the project in our network of contacts- replication and dissemination in the region.

972 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language: Baltic Sea Action Group (23 / 250 characters)

Organisation in English: Baltic Sea Action Group (23 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Keilaranta 5 (12 / 250 characters)

Country: Finland

Postal Code: 02150 (5 / 250 characters)

Town: Espoo (5 / 250 characters)

Website: https://www.bsag.fi/en/ (23 / 100 characters)

Role of the associated organisation in this project:

BSAG is willing to participate as an Associated Organisation without financial contribution to the project. The role will be related to meetings, workshops, seminars participation, with the aim of dissemination and further possible replication of project results among our network of contacts. We will be involved across all work packages. In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake of the finalised solution. Below our clear contribution to the following GoAs:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

803 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language: DWA-Landesverband Nord-Ost
26 / 250 characters

Organisation in English: German Association for Water, Wastewater and Waste - North-East
63 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Halberstädter Straße 40a
24 / 250 characters

Country: Germany

Postal Code: 39112
5 / 250 characters

Town: Magdeburg
10 / 250 characters

Website: www.dwa-no.de/de
16 / 100 characters

Role of the associated organisation in this project:

Participation in project events, support with data from annual performance comparison of municipal wastewater treatment plants (GoA 1.1)
136 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language: Stowarzyszenie Warmińsko Mazurskich Gmin Pogranicza
51 / 250 characters

Organisation in English: Association of Warmia and Mazury Borderland Communes
52 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: ul. Szkolna 3
13 / 250 characters

Country: Poland

Postal Code: 11-410
6 / 250 characters

Town: Barciany
8 / 250 characters

Website: https://pograniczewm.pl/
24 / 100 characters

Role of the associated organisation in this project:

The organization as an umbrella for 8 PL municipalities and communes will provide political support and transferability of results, and will obtain the necessary guidance on how to promote the reduction of nutrient inputs into the waters of the BSR. At the same time, it will contribute to strengthening the processes of learning and knowledge transfer. Association of Warmia and Mazury Borderland Communes will take part in meetings, workshops, participation in seminars in order to disseminate and further possible replicate the results of the project in our network of contacts.
Our involvement in the project will include:
- taking part in selected events and project meetings;
- providing feedback and opinions on the project's intermediate results and our local experiences and good practices;
- enabling project representatives to present the project and its results;
- disseminating information about the project, its activities and results
- promotion of jointly developed solutions

996 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language: Związek Miast i Gmin Morskich (29 / 250 characters)

Organisation in English: Union of Maritime Cities and Communes (37 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: ul. Wały Jagiellońskie 1 (24 / 250 characters)

Country: Poland

Postal Code: 80-853 (6 / 250 characters)

Town: Gdańsk (6 / 250 characters)

Website: http://zmigm.org.pl/ (20 / 100 characters)

Role of the associated organisation in this project:

Association called The "Union of Maritime Cities and Communes" based in Gdańsk brings together nearly 30 coastal local governments from the entire Polish coast. Exists since 1991 and is a great opinion-forming force cooperating with the state administration for the economic and cultural development of the coast. The supporting member is the Marshal's Office of the Pomorskie Voivodeship.
The aim of the association is to coordinate the development of cities and municipalities belonging to all parts of the Polish Baltic coast. Activities are carried out on the basis of eco-development, with respect for the rights of local governments.
UMCC involvement in the project will include:
- taking part in selected events and project meetings;
- enabling project representatives to present the project and its results;
- disseminating information about the project, its activities and results
- promotion of jointly developed solutions

935 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language	Stowarzyszenie na Rzecz Rozwoju Spółdzielczości i Przedsiębiorczości Lokalnej WAMA-COOP (87 / 250 characters)
Organisation in English	WAMA-COOP Association for the Development of Local Cooperatives and Entrepreneurship (84 / 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	NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address	ul. Adama Mickiewicza 21/23 (27 / 250 characters)	**Country**	Poland
Postal Code	10-508 (6 / 250 characters)		
Town	Olsztyn (7 / 250 characters)		
Website	https://wamacoop.pl/ (20 / 100 characters)		

Role of the associated organisation in this project:

The WAMA-COOP association is a non-governmental organization operating on a non-profit basis. Members of the Association are natural persons, representatives, enterprises, cooperatives and local governments
The task of the WAMA-COOP Association is to promote cooperatives and entrepreneurship as well as to provide comprehensive assistance in the creation of new cooperatives and companies, including the creation of new jobs. They mainly conduct training and consulting activities, implementing projects financed from their own resources and co-financed from local government, European Union and other resources.
The association will ensure the participation of local entrepreneurs interested in the development of technology in the project, support for project activities in the Warmia and Mazury regions, and support for local administration

844 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language
Gdańska Fundacja Wody
21 / 250 characters

Organisation in English
Gdansk Water Foundation
23 / 250 characters

Department in original language
NA
2 / 250 characters

Department in English
NA
2 / 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
Równa 19/21 budynek B
21 / 250 characters

Country
Poland

Postal Code
80-067
6 / 250 characters

Town
Gdańsk
6 / 250 characters

Website
www.gfw.pl
11 / 100 characters

Role of the associated organisation in this project:

Our organization is willing to participate as an Associated Organisation without financial contribution to the project. Our role will be related to meetings, workshops, seminars participation within WP3 with the aim of dissemination and further possible replication of project results among our network of contacts. We will also participate in Peer Review process of the pilots under WP2.

388 / 1,000 characters

2.3 Associated Organisation Details - AO 10

Associated organisation name and type:

Organisation in original language
Zweckverband Wasserversorgung und Abwasserbeseitigung Insel Usedom
66 / 250 characters

Organisation in English
Association for water supply and sewage disposal on the island of Usedom
72 / 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
Zum Achterwasser 6
18 / 250 characters

Country
Germany

Postal Code
17459
5 / 250 characters

Town
Ückeritz
8 / 250 characters

Website
www.zv-usedom.de
16 / 100 characters

Role of the associated organisation in this project:

Participation in regional project events, support with data for GoA 1.1
71 / 1,000 characters

2.3 Associated Organisation Details - AO 11

Associated organisation name and type:

Organisation in original language: Lietuvos savivaldybių asociacija (32 / 250 characters)

Organisation in English: Association of Local Authorities in Lithuania (45 / 250 characters)

Department in original language: NA (2 / 250 characters)

Department in English: NA (2 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: T. Vrublevskio str. 6 (21 / 250 characters)

Country: Lithuania

Postal Code: 01143 (5 / 250 characters)

Town: Vilnius (7 / 250 characters)

Website: lsa.lt/en/ (10 / 100 characters)

Role of the associated organisation in this project:

Dissemination of the project results among their members - 60 municipalities and participation in the workshops, seminars. We will support the Lithuanian target groups (local public authorities), and we will be involved across all work packages. In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake of the finalised solution. Below our clear contribution to the following GoAs:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

709 / 1,000 characters

2.3 Associated Organisation Details - AO 12

Associated organisation name and type:

Organisation in original language: Politechnika Gdańska (20 / 250 characters)

Organisation in English: Gdańsk University of Technology (31 / 250 characters)

Department in original language: Wydział Inżynierii Lądowej i Środowiska (39 / 250 characters)

Department in English: Department of Civil and Environmental Engineering (49 / 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: ul. Gabriela Narutowicza 11/12 (30 / 250 characters)

Country: Poland

Postal Code: 80-233 (6 / 250 characters)

Town: Gdańsk (6 / 250 characters)

Website: www.pg.edu.pl (13 / 100 characters)

Role of the associated organisation in this project:

GUT acting as an AO, is deeply interested in gaining knowledge and experience from the implementation of the project. Thanks to the support provided in the form of a letter of intent, he counts on access to the developed studies related to technological and practical solutions for problems related to the seasonality of wastewater generation, He will support the leader and the Association of Polish Communes Euroregion Bałtyk in conducting information activities and sharing the acquired knowledge and contacts with friendly organizations . The collected practices and experiences will be used to better adapt tourist areas and reduce the influx of nutrients to water resources in the entire Baltic Sea area. The knowledge gained through the project will have an impact on improving the management of local resources and support us and our friendly organizations in making the right decisions regarding the monitoring, prevention and reduction of pollution in groundwater and surface waters.

994 / 1,000 characters

2.3 Associated Organisation Details - AO 13

Associated organisation name and type:

Organisation in original language
Gmina Miejska Nowe Miasto Lubawskie
35 / 250 characters

Organisation in English
Municipal Commune Nowe Miasto Lubawskie
39 / 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
Local public authority
Municipality, city, etc.

Associated organisation location and website:

Address
ul. Rynek 1
11 / 250 characters

Country
Poland

Postal Code
13-300
6 / 250 characters

Town
Nowe Miasto Lubawskie
21 / 250 characters

Website
www.umnowemiasto.pl
19 / 100 characters

Role of the associated organisation in this project:

Municipality of Nowe Miasto Lubawskie is willing to participate as an Associated Organisation without financial contribution to the project. Our role will be related to meetings, workshops, seminars participation within WP3 with the aim of dissemination and further possible replication of project results among our network of contacts. We will also participate in Peer Review process of the pilots under WP2. The knowledge gained through the project will have an impact on improving the management of local resources and support us and our friendly organizations in making the right decisions regarding the monitoring, prevention and reduction of pollution in groundwater and surface waters. This is especially important for us and the entire region. NML will take active part in all realted actions in PL especially in related meetings, workshops, seminars in order to improve our competences, disseminate and further possible duplicate the results of the project in our network of contacts.

994 / 1,000 characters

2.3 Associated Organisation Details - AO 14

Associated organisation name and type:

Organisation in original language
Związek Gmin „Ekowod”
21 / 250 characters

Organisation in English
Association of Communes “Ekowod”
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
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
ul. Olsztyńska 10D
18 / 250 characters

Country
Poland

Postal Code
11-100
6 / 250 characters

Town
Lidzbark Warmiński
18 / 250 characters

Website
Bip-wm.pl
9 / 100 characters

Role of the associated organisation in this project:

The Association consists of 4 communes: the rural commune of Górowo Iławeckie, the rural commune of Kolno, the rural commune of Lidzbark Warmiński, and the rural commune of Lubomino.
The tasks of the Association include:
- maintenance and operation of water supply and sewage facilities
- expansion and modernization of water supply and sewage devices
- carrying out joint municipal investments in water supply and sewage systems
- municipal solid waste management

The associate is deeply interested in acquiring knowledge and experience from the implementation of the project. Will participate at no cost in any project events in Poland and abroad related to meetings, workshops, participation in seminars in order to improve our competences, disseminate and further possible duplicate the results of the project in our network of contacts.

842 / 1,000 characters

2.3 Associated Organisation Details - AO 15

Associated organisation name and type:

Organisation in original language	Gmina Miasta Braniewo (21 / 250 characters)
Organisation in English	Municipality of Braniewo (24 / 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	Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address	ul. Kościuszki 111 (18 / 250 characters)
Country	Poland
Postal Code	14-500 (6 / 250 characters)
Town	Braniewo (8 / 250 characters)
Website	http://www.braniewo.pl/ (23 / 100 characters)

Role of the associated organisation in this project:

Braniewo is willing to participate without financial contribution to the project. Our role will be related to meetings, workshops, seminars participation within WP3 with the aim of dissemination and further possible replication of project results among our network of contacts. The knowledge gained through the project will have an impact on improving the management of local resources and support us and our friendly organizations in making the right decisions regarding the monitoring, prevention and reduction of pollution in groundwater and surface waters. This is especially important for us and the entire region. We will take active part especially in meetings, workshops, seminars and involve local stakeholders in order to improve our competences, disseminate and further possible duplicate the results in our network of contacts. In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake of the finalised solution.

981 / 1,000 characters

2.3 Associated Organisation Details - AO 16

Associated organisation name and type:

Organisation in original language
Gmina Tolkmicko
15 / 250 characters

Organisation in English
Tolkmicko Commune
17 / 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
Local public authority
Municipality, city, etc.

Associated organisation location and website:

Address
ul. Plac Wolności 3
19 / 250 characters

Country
Poland

Postal Code
82-340
6 / 250 characters

Town
Tolkmicko
9 / 250 characters

Website
https://www.tolkmicko.pl/
25 / 100 characters

Role of the associated organisation in this project:

Tolkmicko is a city in the Warmian-Masurian Voivodeship, in the Elbląg poviat, the seat of the urban-rural commune of Tolkmicko, located on the Vistula Lagoon, in Powiśle. It also acts as a service and tourist-recreational center. The commune covers an area of 225 km2. And consists of 10 villages. Due to its nature and location, the municipal authorities are very interested in the results of the project, which will support local processes and strategies for water water treatment. Commune is willing to participate without financial contribution to the project. It's role will be related to meetings, workshops, seminars participation with the aim to gain and transfer the knowledge and replication of project results among stakeholders. It will have an impact on improving the management of local resources and support us and our friendly organizations in making the right decisions regarding the monitoring, prevention and reduction of water nutrients.

959 / 1,000 characters

2.3 Associated Organisation Details - AO 17

Associated organisation name and type:

Organisation in original language	Gmina Wiejska Elbląg (20 / 250 characters)
Organisation in English	The rural commune of Elblag (27 / 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	Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address	ul. Browarna 85 (15 / 250 characters)	**Country**	Poland
Postal Code	82-300 (6 / 250 characters)		
Town	Elbląg (6 / 250 characters)		
Website	https://gminaelblag.pl/ (23 / 100 characters)		

Role of the associated organisation in this project:

Elbląg is a rural commune located in the Warmia-Masuria Province, in the Elbląg County. The commune consists of 24 villages. The seat of the commune is Elbląg, which is currently the largest city with the seat of a rural commune in Poland. According to the data of the Institute of Geodesy and Cartography, it has the lowest point in Poland. It occurs as part of the village of Raczki Elbląskie, 1.8 m above sea level Integrated Urban Water Management and Climate Change are topics core interests of the local polticians, and so Elbląg will follow the project implementation and support it by:
> taking part in project events & meetings (as appropriate)
> providing feedback and opinions on intermediate project results
> enabling project representatives to present the project and its outcomes at meetings of the network
> disseminating information about the project, its actions and results through regular communication channels of the network

949 / 1,000 characters

2.3 Associated Organisation Details - AO 18

Associated organisation name and type:

Organisation in original language: Valonia
7 / 250 characters

Organisation in English: Valonia
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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Linnankatu 52 B
15 / 250 characters

Country: Finland

Postal Code: 20100
5 / 250 characters

Town: Turku
5 / 250 characters

Website: https://valonia.fi/language/en/home/
36 / 100 characters

Role of the associated organisation in this project:

Valonia in an unbiased regional advisory organisation for municipalities and companies in matters regarding sustainable development. Valonia offer a wide range of services to aid municipalities and companies as well as communities and citizens to promote sustainable development. Valonia is willing to participate as an Associated Organisation without financial contribution to the project. Their role will be related to meetings, workshops, seminars participation, with the aim of dissemination and further possible replication of project results among our network of contacts. Inbolvement: WP2 in the evaluation/ adjusting/ validating of the pilots, WP3 in activities of transfer and uptake of the finalised solution:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

990 / 1,000 characters

2.3 Associated Organisation Details - AO 19

Associated organisation name and type:

Organisation in original language: Länsi-Uudenmaan vesi ja ympäristö ry (LUVY)
43 / 250 characters

Organisation in English: The Association for Water and Environment of Western Uusimaa
61 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Länsi-Louhenkatu 31
19 / 250 characters

Country: Finland

Postal Code: 08100
5 / 250 characters

Town: Lohja
5 / 250 characters

Website: https://www.luvy.fi/
20 / 100 characters

Role of the associated organisation in this project:

The Association for Water and Environment of Western Uusimaa (Länsi-Uudenmaan vesi ja ympäristö ry, LUVY) aims to promote water conservation, environmental protection and environmental health. Association's activities cover both common non-profit and business operations. LUVY is willing to participate as an Associated Organisation without financial contribution to the project. Their role will be related to meetings, workshops, seminars participation, with the aim of dissemination and further possible replication of project results among our network of contacts. We will be involved: In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake of the finalised solution:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

1,000 / 1,000 characters

2.3 Associated Organisation Details - AO 20

Associated organisation name and type:

Organisation in original language	Kemiönsaaren kunta (18 / 250 characters)
Organisation in English	Municipality of Kimitoön (24 / 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	Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address	Vretantie 19 (12 / 250 characters)	**Country**	Finland
Postal Code	25700 (5 / 250 characters)		
Town	Kemiö (5 / 250 characters)		
Website	https://www.kimitoon.fi/kimitoon_-_briefly_in_english (53 / 100 characters)		

Role of the associated organisation in this project:

The municipality of Kimitoön consists of around 3 000 islands and skerries, of which 30 are inhabited all year round. Kimitoön is part of the Archipelago sea biosphere reserve, one of only two UNESCO biosphere reserves in Finland. The municipality of Kimitoön is willing to participate as an Associated Organisation without financial contribution to the project. Their role will be related to meetings, workshops, seminars participation, with the aim of dissemination and further possible replication of project results among our network of contacts. We are a target group from Finland, our involvement: In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

989 / 1,000 characters

2.3 Associated Organisation Details - AO 21

Associated organisation name and type:

Organisation in original language: Stowarzyszenie Wielkie Jeziora Mazurskie 2020
45 / 250 characters

Organisation in English: Association of Great Masurian Lakes 2020
40 / 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: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: ul. Kolejowa 6
14 / 250 characters

Country: Poland

Postal Code: 11-730
6 / 250 characters

Town: Mikołajki
9 / 250 characters

Website: https://wielkiejeziora.pl
25 / 100 characters

Role of the associated organisation in this project:

The Great Masurian Lakes Trail is a net of connected water reservoirs that are both economic and image axis of this part of the region. They constitute the basis for the development of fishing, but above of all water-based tourism - sailing, canoeing, water sports, fishing or regular recreation. It brings together 17 local governments focused around these water reservoirs and it is focused on building and implementing development projects. Therefore, the dominant schemes are also those ones based on the greatest natural assets of the region. Among them are the projects in the pre-implementation phase that are focused on the increase of the access to the yacht sewage collection system as well as the modernization and expansion of the existing water collection, treatment and distribution system, sewage collection and treatment and rainwater management.

The NGO is interested in solutions dedicated to <2000 PE WWTPs and safe treatment of wastewater from houseboats and yachts.

989 / 1,000 characters

2.3 Associated Organisation Details - AO 22

Associated organisation name and type:

Organisation in original language: Gmina Kościerzyna
17 / 250 characters

Organisation in English: The Commune of Koscierzyna
26 / 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: Local public authority | Municipality, city, etc.

Associated organisation location and website:

Address: ul. Strzelecka 9
16 / 250 characters

Country: Poland

Postal Code: 83-400
6 / 250 characters

Town: Koscierzyna
11 / 250 characters

Website: https://koscierzyna.pl
22 / 100 characters

Role of the associated organisation in this project:

Koscierzyna is a town in the Pomeranian Voivodeship with deep focus on tourism around lakes and forrests. It is deeply interested in acquiring knowledge and experience from the implementation of the project. One of the PP of the project - The Bogdan Janski Bure Misie Community Foundation – is located in the Koscierzyna Commune, so Koscierzyna Commune will have direct access to experiences from the project. It will participate at no cost in any project events in Poland and abroad related to meetings, workshops, participation in seminars in order to improve its competences, disseminate and further possible duplicate the results of the project in its network of contacts. Our involvement: In WP2 in the evaluation/ adjusting/ validating of the pilots (especially PILOT 5 at BMCF) whereas in WP3 in activities of transfer and uptake: GoA 1.3, GoA 2.4, GoA 3.3 and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

934 / 1,000 characters

2.3 Associated Organisation Details - AO 23

Associated organisation name and type:

Organisation in original language: NTM-centralet i Egentliga Finland (33 / 250 characters)

Organisation in English: ELY-Centre for Southwest Finland (32 / 250 characters)

Department in original language: Varsinais-Suomen elinkeino-, liikenne- ja ympäristökeskus (58 / 250 characters)

Department in English: Centre for Economic Development, Traffic and the Environment for Southwest Finland (82 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: Itsenäisyydenaukio 2, PL 236 (28 / 250 characters)

Country: Finland

Postal Code: 20101 (5 / 250 characters)

Town: Turku (5 / 250 characters)

Website: https://www.ely-keskus.fi/web/ely-en (36 / 100 characters)

Role of the associated organisation in this project:

There are 15 Centres for Economic Development, Transport and the Environment in Finland. Together with the six Regional State Administrative Agencies they function as the country's regional state administrative authorities. The Centres for Economic Development, Transport and the Environment (ELY Centres) promote regional development by managing the central government's implementation and development tasks in the areas coming under them.

As a regional public authority - a target group from Finland, our involvement is: In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

909 / 1,000 characters

2.3 Associated Organisation Details - AO 24

Associated organisation name and type:

Organisation in original language
BIEDRĪBA „LATVIJAS ŪDENSAPGĀDES UN KANALIZĀCIJAS UZŅĒMUMU ASOCIĀCIJA”
69 / 250 characters

Organisation in English
Latvian Water and Wastewater Works Association
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
Sectoral agency
Local or regional development agency, environmental agency, energy agency, employment agency, etc.

Associated organisation location and website:

Address
Lielirbes iela 1
16 / 250 characters

Country
Latvia

Postal Code
1046
4 / 250 characters

Town
Riga
4 / 250 characters

Website
https://www.lwwwwa.lv/
22 / 100 characters

Role of the associated organisation in this project:

The association unites water works companies,institutions & specialists for a common target provide good quality water supply & sewerage service. Our involvement is: In WP2 in the evaluation/ adjusting/ validating of the pilots whereas in WP3 in activities of transfer and uptake:

GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations
GoA 2.4 Peer Review of pilot solutions
GoA 3.3 Exchange and cross project cooperation for regional development

and activities: A1.1.5, A1.4.1, A1.4.2, A3.1.4, A3.1.8, A3.1.9, A3.2.1

551 / 1,000 characters

2.3 Associated Organisation Details - AO 25

Associated organisation name and type:

Organisation in original language
Kemping Surfcamp-Gardno
23 / 250 characters

Organisation in English
Surfcamp-Gardno campsite
24 / 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
Płyta Retowska
14 / 250 characters

Country
Poland

Postal Code
76-213
6 / 250 characters

Town
Gardna Wielka
13 / 250 characters

Website
https://surfcamp-gardno.com/
28 / 100 characters

Role of the associated organisation in this project:

Surfcamp-Gardno is a quiet campsite located within the Słowiński National Park close to large coastal lake Gardno. It offers kayaking, windsurfing, kitesurfing, SUP rentals and courses as well as summer cottage and campers rentals. It has a 10 years lasting land-use agreement with the Municipality of Smołdzino (project partner). It struggles with intense tourists inflows during the summer season, and wastewater generation can jump easily from 10 to 150 PE over a day, meaning from 1 to 15 m3/ day. It has one basic toilet system and a septic tank, thus the transport of sewage needs to be done several times a week. All possible investments or improvements of its sanitary situation is upon the agreement of the municipality. Within the project it is planned to install a eco-friendly toilet system with infrastructure and seasonal flows monitoring equipment.

863 / 1,000 characters

3. Relevance

3.1 Context and challenge

In spite of the recent difficult COVID-10 pandemic times affecting the tourism, this sector is nowadays again booming especially in near-coast regions of the Baltic Sea. Many regions are experiencing significant stress of tourists, who, in many cases rellocate and buy parcels close to the sea. Sometimes this processes are not well controlled by the local public authorities (target groups). This may cause serious environmental risk for the surrounding water bodies as the local wastewater treatment plants (WWTP) designed for mostly local communities are not able to meet the challenge of increasing WW quality and quantity. They are also rather small (<2000 PE) and in some countries their performance is not controlled too often. These increments of WW during the season are often transported by trucks from septic tanks (flat Baltic coasts) or by boats from the tourist settlements (rocky Baltic archipelagos) to the centralised WWTPs. This affects their performance and causes the environmental threat to the regions, which could eventually loose their touristic attractiveness because of this pollution. Some existing treatment technologies (eg. Vertical Flow Labirynth VFL, Mobile Nutrient Recovery MORTTI, VTT's Resource Container or conventional Submerged Bed Reactors SBR) are either not enough to meet these fluctuations or are not abundant nor accessible by the local authorities (target groups). The project does not overlap with other existing Flagships nor any earlier SEED projects, eg. SUWMAB (mainly wetlands, 8 pilots), BARUWA (technology inventory + socio-economic aspects, no pilots), and SmallWWTPs (300-3000 PE). Additionally none of the ongoing and completed EUBSR flagship projects are related with small-scale household wastewater solutions dedicated to touristic regions. The project develops synergies and complementarities with other BSR projects: PURE, PRESTO (2007-13), IWAMA (large scale WWTPs), VillageWaters, Baltic Water Hub and NOAH (rainwater).

1,983 / 2,000 characters

3.2 Transnational value of the project

The idea of the project came directly from the near-coast touristic settlement in Kashubia/ Poland (BMCF), which struggles with seasonal touristic stress (450 seasonal guests vs. 50 all-year residents). We looked broader at the problem and it appeared to be similar elsewhere in BSR. In PL 94.8% of inhabitants use municipal WWTPs in urban areas, in rural areas only 41.3%. The northern poviats have up 500 touristic objects. The tourist population especially in Western Pomerania, Gdańsk region and Great Masurian Lakes, locally amounts from 4 to 20 times more than official inhabitants in July! Eg. Kołobrzeski poviat total PE in installed WWTPs is 230 000, its local population is ca. 80 000, and tourists, locally up to 20 times more, meaning that current WWTPs can only serve 14% of the human wastewater in the summer! In LT, the Curonian Lagoon, the Baltic Sea shore, about 2/3 of LT's rivers and about 1/3 of lakes do not meet the requirements for a good status of water yet (54% with good water status). Also in LT, there are 1 267 settlements with the population between 200 and 2,000. Some of these settlements discharge wastewater to surface water bodies partially treated or untreated. In FI, approximately 1 000 000 residents and over 1 000 000 vacationers are located without the municipal sewer network. There are ca. 300 000 permanent residences and ca. 500 000 summer cottages using on-site WWT systems. FI has 4 major tourism regions that attracts 6.8 million visitors yearly. 32% of tourist flow visits near waterways and over 1 million spend nights at coastal and archipelago area. Similar cases were identified in SE, DE, DK, EE and LV. We also noticed that eg. in DK (486 WWTPs) 2000 people generate 1000 m3/d of sewage and in PL (171 WWTPs), only 200 m3/d, that shows a real transnational challenge. To improve the status of these water bodies, it is crucial to set a priority of investing into settlements with the population below 2,000 and especially the Baltic coasts.

1,995 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Local public authority	Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Further adaptation of the solution on a local level, public procurement redefinition, new technology stimulation, end-users training. 133 / 1,000 characters
Regional public authority	Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Further adaptation of the solution on a regional level, public procurement redefinition, new technology stimulation, end-users training 136 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Sustainable waters

The NURSECOAST-II Project constitutes the direct response to the target groups problems thoroughly identified within the preparation process including the Seed Money stage. The key challenge that target groups (eg. municipalities as local public authorities) are struggling, is the seasonality derived from tourist accumulation during the summer season (V-IX).

These problems resulting from seasonality are:
1 Wastewater local accumulation,
2 Nutrients leaching,
3 Lack of seasonality-adapted wastewater technology

The objective of the project is then to tackle mentioned above problems by providing a response characterized by the following:
1 Development of requirements & methods for minimizing local wastewater accumulation,
2 Providing best available strategies for reduction of nutrients leaching from near-coast touristic areas,
3 Building the technology catalogue for seasonality-adapted wastewater solutions,

The above goal will be accomplished by new knowledge from 6 identified pilot areas in PL, LT, DK and FI and widely replicated to other BSR regions struggling with the similar challenges.

The idea is in line with current Programme Objective 2.1 Sustainable waters as it supports actions that improve the state of water in the region and make its management more sustainable. These waters include espeially the Baltic Sea, coastal waters and inland waters like rivers, lakes and groundwater. We plan to adapt existing solutions, develop and implement new solutions in order to prevent and reduce water pollution, adapt water management practices to the changing climate, and implement cross-sectoral actions. Region and country-specific solutions will be developed, i.e. adapted to touristic regions in typical sandy coasts of PL, LT, LV, DE and DK as well as archipelagos and rocky islands of SE, FI and EE where different approaches towards tourists locations are needed. Broad replication of pilot results are planned to widely spread the solutions throughout the BSR.

1,995 / 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.

Actions of PA Nutri include: 1. Managing nutrients more efficiently, 2. Improving waste water treatment, 3. Facilitate cross-sectoral policy-oriented dialogue, 4. Improve nutrient load data, 5. Cooperate with non-EU Member States and 6. Investigate cost-efficient nutrient reduction mechanisms. The current project meets the following:
1. By developing technologies that will remove more nutrients before they end up in the water recipients,
2. By developing and adapting technical solutions to given types of location,
3. By constant improval of dedicated nutrients removal solutions based on feedback from the tourist operators (settlements)
4. By updating the actual status of nutrient loads (eg. nr of scattered settlements with no treatment, concentrations, loads, person equivalents)
6. By developing and adjusting low- and high- tech nutrient reduction models across the Baltic Sea Region,
7. By enabling small WWTPs in the Baltic Sea region touristic areas to reach the treatment standards
8. By enhancing the capacity of small WWTP owners, staff, planners and operators,
9. By enhancing the capacity of public authorities to target investments on improving WW management by providing information on the most efficient technologies and solutions for nutrient removal
10. By demonstrating the ability of treatment technology and solutions to handle varying wastewater flows affected by the seasonality;

1,409 / 1,500 characters

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

The NURSECOAST-II is related to the implementation of other Policy Areas of the EUBSR. The project will contribute to the EUSBSR policy area 'Nutri' and is very much coherent with the first main objective of the EUSBSR 'Save the Sea' and the sub-objective 'Clear water in the sea'. The project will fulfil the strategy by providing real-case technology and pilot wastewater treatment plants for given locations, developed good practices adapted to local conditions, promotion platform that will communicate the solutions to numerous touristic areas in order to achieve the better state of Baltic Sea by counteracting eutrophication.

Contribution to the "Save the Sea" objective:
- reduction of the land-based sources of pollutants and nutrients by providing technology and guidelines for fitting technology to the local condition,
- creating a knowledge base that will be the result of cooperation between representatives of BSR countries,
- the guidelines created will concern tourist areas that are part of urban and rural areas,
- technological solutions for better nutrients removal will be indicated and promoted,
- built pilot plants will directly reduce the discharge of nutrients to the sea.

The project also contributes to PAs:
- Tourism by promoting eco-tourism,
- Innovation by stimulation novel technologies and solutions in WW treatment,
- Education by capacity building of touristic objects,
- Bio-economy.by more sustainable use of resources (wastewater)

1,475 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents
EU Water Framework Directive It supports the central requirement of the EU-WFD. The development of technologies for nutrient reduction protects aquatic ecology & habitats; technology advancements, mapping & awareness work improves source control to protect drinking water resources; and mapping, environ' & risk assessment help protect bathing waters. It supports local implementation of EU-WFD & promotes the integration of the Directive's environmental objectives into local, regional policies. 496 / 500 characters
HELCOM Baltic Sea Action Plan (BSAP) The project relates to HELCOM's BSAP, specifically it's eutrophication measures & actions. New technologies, GIS analysis work, & capacity building to lower accumulations will help hit input targets of waterborne nutrients (nitrogen & phosphorus). It is designed to facilitate cooperation with local & regional water management authorities and will help ensure that local plans/policies consider the environmental targets set out by the BSAP 480 / 500 characters
Urban Waste Water Treatment Directive (UWWTD) It supports Directive 91/271/EEC on UWWTD by ensuring that tourist areas properly collect & treat wastewater. Presently, areas <2 000 p.e. don't need to comply with the UWWTD. But, it is recognized that their cumulative effect is important & this will be included in the new impact assessment published in 2022. NURSECOAST II prioritises improved infrastructure to replace badly designed, managed or unmonitored systems, that are currently used 490 / 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

Please enter the title of this seed money project.

Model Nutrients Reduction Solutions In Near-Coast Touristic Areas (NURSECOAST)

78 / 200 characters

Please select which Policy Area (PA) or Horizontal Action (HA) this seed money project contributed to most.

PA Nutri

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
Cleaner water in your village and around "Village Waters" (2016-2019), www.villagewaters.eu 91 / 200 characters	INTERREG Baltic Sea Region 26 / 200 characters	The main objective is was help households avoid unnecessary investments and operating costs when shifting to improved wastewater treatment, and thus to encourage them to implement the new treatment systems. The project was conducted in pilot villages where optimal technological solutions were built up for the households. In this project the social, economic and environmental assessments were conducted before and after the changes were made. The aim was to find out the best technological solutions for decreasing the emissions. Cooperation planned during, especially that NURSECOAST-II has 2 former partners of VILLAGEWATERS (LUKE and SYKLI): A1.4.2 Co-creation Workshops and study visits A3.3.2 Cross project exchange / cooperation GoA 2.4 Peer Review of pilot solutions Nursecoast-II project will use VillageWaters Information Tool for planning and comparison of different WW equipments. The new available solutions will be added. The target groups and networks will also be used. 998 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Best Available Technologies of Sewage Collecting for Boat Tourism, BATSECO-BOAT (2017-2021), www.batseco-boat.eu 112 / 200 characters	INTERREG Central Baltic 23 / 200 characters	BATSECO-BOAT project improved the capacity and service level of sewage collecting in small boat ports in Estonian coast and in Finnish and Swedish archipelagos. The project focused on finding and investing in best solutions for sewage collecting pump-out stations and implementing digital technology for easily locating and monitoring of the available sewage collecting stations. Cooperation planned during especially that NURSECOAST-II has 1 former partners of BATSECO-BOAT (KATA): A1.4.2 Co-creation Workshops and study visits A3.3.2 Cross project exchange / cooperation GoA 2.4 Peer Review of pilot solutions Providing info on available technical solutions for receiving and storing sewerage in the archipelago region as well as pinpointed the problematics on how WWT should also take into consideration WW from leisure boating, which differs from municipal WW by having less water. NURSECOAST-II should consider methods that can be used for WW from both households and boating. 993 / 1,000 characters
Platform on intergrated water cooperation, BSR WATER (2018-2021), www.bsrwater.eu 81 / 200 characters	INTERREG Baltic Sea Region 26 / 200 characters	The project aimed to enhance cross-sectoral cooperation in smart water management by providing a possibility for transnational experience exchange, sharing of good practices and solutions, as well as delivering comprehensive overview of the current and future regional policy. Platform brought together experts representing diverse projects that had generated through transnational cooperation many replicable as well as unique solutions, covering broad variety of water-related issues (smart nutrient management and sludge handling, storm water management, domestic and industrial wastewater treatment, manure management and energy efficiency). Cooperation planned during, especially that NURSECOAST-II has 1 former partner of BSR WATER (SYKLI) and 1 AO from BSR WATER (Gdańsk University of Technology): A1.4.2 Co-creation Workshops and study visits A3.3.2 Cross project exchange / cooperation GoA 2.4 Peer Review of pilot solutions 944 / 1,000 characters
Interactive water management, IWAMA (2016-2019), www.iwama.eu 62 / 200 characters	INTERREG Baltic Sea Region 27 / 200 characters	IWAMA aimed at improving wastewater management in the Baltic Sea Region by developing the capacity of the wastewater treatment operators and implementing pilot investments to increase the energy efficiency and advance the sludge handling. Cooperation planned during: A1.4.2 Co-creation Workshops and study visits A3.3.2 Cross project exchange / cooperation GoA 2.4 Peer Review of pilot solutions NURSECOAST-II will take lessons learnt from IWAMA in terms of capacity building among WWTP operators and pilots effects communication elsewhere. IWAMA partners will be invited to support the projects results dissemination and replication. 646 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
"CLIMATE RESILIENT WASTEWATER AND GROUNDWATER MANAGEMENT BY CIRCULAR APPROACHES THAT REDUCE OUTFLOWS OF NUTRIENTS AND HAZARDOUS SUBSTANCES", WATERMAN SEED (2020-2021) 166 / 200 characters	Seed Money Baltic Sea Region 28 / 200 characters	After a cross-partnership consultation during the main project application process, we together agreed on the following synergies and complementarities with NURSECOAST-II: 1. Motivation: WATERMAN: Adapting to climate change, NURSECOAST-II: Adapting to seasonality resulted from tourism 2. Water in the value chain: WATERMAN: Reuse and Retention, NURSECOAST-II: identification, mapping, treatment, reuse, nutrients cycling, 3. Results: WATERMAN: Action plans, strategies, NURSECOAST-II: Technologies and strategies 4. Target Groups: WATERMAN: Urban and rural municipalities, NURSECOAST-II: Touristic municipalities, 5. WWTP: WATERMAN: all sizes, NURSECOAST-II: <2000 PE 6. Focus areas: WATERMAN: urban areas, NURSECOAST-II: touristic, near-coast areas, archipelagos, Cooperation planned during: A1.4.2 Co-creation Workshops and study visits A3.3.2 Cross project exchange / cooperation GoA 2.4 Peer Review of pilot solutions 934 / 1,000 characters

3.10 Horizontal principles

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

4. Management

Allocated budget 15%

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 (LP) has the following main responsibilities: 0. Joint Partnership Agreement, 1. Project Management, 2. Financial Management and 3. Project Communication, 4. Complying with the responsibilities after project closure. Project partners (PP) are responsible for the same but including Implementation according to the Work Plan. The LP and WP and GoAs leaders will form a Steering Group and use 5 project meetings to update the progress of work (Kick, Mid, Final and 2 PP meetings).

495 / 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 LP using its own Project Implementation Dept. will:
- Ensure that the expenditure which the partners present and submit to the MA/JS is in accordance with the requirements,
- Receive payments from the MA/JS and being responsible for internal allocation and further disbursement of grants to project partners
- If the Programme demands repay of an amount already paid to the project from the co-financing awarded,

The PPs will comply with the rules on pp. 26-27 of the Programme Manual.

490 / 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.

The LP and PPs confirm being aware of the obligatory inputs to Programme communication. We will achieve it by the GoA3.1 including: Project communication strategy and plan, Kick-off, Mid-term, Final conference events, project materials, incl. posters, rollups, broshures, e-campaign for awareness raising, Local pilot dissemination events for target groups, awareness raising campaign focused on target groups, Compilation of 'social reward' indicators from the pilot investments.

481 / 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	SEASONALITY MAPPING & ANALYSES
1.2	PILOTS TECHNICAL PREPARATION
1.3	Socio-economic considerations for wastewater treatment at tourist destinations
1.4	TRANSNATIONAL CO-CREATION WORKSHOPS

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilots development support & Validation
2.2	Pilot investments
2.3	Environmental and risk assessment
2.4	Peer review of pilot solutions

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	Communication & Dissemination
3.2	Barriers & Incentives for business
3.3	Exchange and cross project cooperation for regional development

Work plan overview

Period: 1 2 3 4 5 6	Leader
WP.1: WP1 Preparing solutions	**PP3**
A.1.1: SEASONALITY MAPPING & ANALYSES	PP3
D.1.1: Maps for the touristic seasonality areas and technology criteria for pilots (D)	
A.1.2: PILOTS TECHNICAL PREPARATION	PP1
D.1.2: Coastline Reports Journal “Tech. preparation for WWT investments at BSR Tourist Destinations” (D)	
A.1.3: Socio-economic considerations for wastewater treatment at tourist destinations	PP17
D.1.3: Social factors report for waste water treatment at rural tourist destinations (D)	
A.1.4: TRANSNATIONAL CO-CREATION WORKSHOPS	PP16
D.1.4: Co-creation feedback report (D)	
WP.2: WP2 Piloting and evaluating solutions	**PP1**
A.2.1: Pilots development support & Validation	PP6
D.2.1: 6 Pilot Validation Guidelines and 1 Report on decentralised WW systems on Moonsund Archipelago (EE (D)	
A.2.2: Pilot investments	PP1
D.2.2: Good Practice Report (D)	
A.2.3: Environmental and risk assessment	PP2
D.2.3: Environmental and risk assessment report (D)	
A.2.4: Peer review of pilot solutions	PP17
D.2.4: Peer review findings with recommendations for WWT investments at BSR tourist destinations (D D)	
WP.3: WP3 Transferring solutions	**PP8**
A.3.1: Communication & Dissemination	PP16
D.3.1: Local and International dissemination campaign towards relevant stakeholders in the BSR (D)	
A.3.2: Barriers & Incentives for business	PP9
D.3.2: “Business Models Hub” aimed at professionals and decision makers ("Investors tutorial") (D)	
A.3.3: Exchange and cross project cooperation for regional development	PP17
D.3.3: Policy guidelines for waste water treatment at Baltic Sea Region tourist destinations (D)	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment

D 1.1	Maps for the touristic seasonality areas and technology criteria for pilots	1) BSR mapping of seasonality including: - The effects of the tourist season to the area by having the distribution of WW flow across months, - Detection of the point sources by choosing the most nutrients-leaching near-coast vulnerable zones, - Fragmentation of the territory throughout several small-area islands. This poses additional vulnerability to environmental systems Geographical limits for the study: - WWTPs from 50 to 2000 PE, - Based on data from regions neighbouring with the Baltic Sea coast, - Depending on the availability of data from the regional bodies responsible for water management, The obtained data will be analyzed by comparing the pollution load between seasons and determining the most important factors of pollution causes 2) Guidelines for selection of technology criteria, including - requirements and boundaries, for nutrient removal and reuse in selected pilot locations. - practical solutions for elimination of pollution, which would be implemented broader in areas with low PE but significant seasonal impact of tourism	Output (Solution) 1, meets project objective 1. Deliverable fits into O1.1 BSR seasonality mapping	
D 1.2	Coastline Reports Journal “Tech. preparation for WWT investments at BSR Tourist Destinations”	Six popular science articles reflecting the technical preparation work that is undertaken during the early stages of the pilot studies will be brought together in one published journal. This Coastline Reports issue (in English) serves to compile and disseminate the project’s technical preparation findings in a professional and accessible format. The pilot leads are responsible for the content, writing, editing, image sources, and language check (EN) of their individual articles. EUCC-D will provide partners with guidelines for the recommended layout. EUCC-D is responsible for compiling all articles together, and finalisation of the publication. The work carried out by the partners reflects the preparatory stage of the project’s investments. All information and evidence will be presented in a coherent manner & timely disseminated to the project network. The document transcends national borders and is a collaborative document with input from each of the pilots leads (DK, SE. LT, FI). The report has a threefold purpose. 1. To coherently compile results from the preparation stage of the investments that need to be taken into account when discussing all waste water treatment technology options with local authorities at rural tourist destinations across the BSR. This will be a valuable tool for the partners as they open up dialogues with municipality representatives, investors & private companies. 2. To document the intermediate step in knowledge and pilot / investment development – target external 3. To help fill the gap in research & company technical knowledge (via main outputs) Inputs from participating target groups and transnational settings will be taken into account by the following cross-cutting with GoA 1.4: GoA 1.4 Transnational CO-CREATION WORKSHOPS A1.4.1 Joint development of the co-design process for transnational exchange of ideas and learning A1.4.2 Co-creation Workshops and study visits (CWSV)	Deliverable fits into O 2.2 Good Practice Report	
D 1.3	Social factors report for waste water treatment at rural tourist destinations	The report serves as an intermediate step & internal report. It will be structured to highlight the differences in waste water treatment between rural tourist areas & typical urban areas. It will include sections on the status quo at urban sites including a baseline profile of areas that may be vulnerable to waste water treatment problems. It will highlight for example the impact current operations have on community identity, local economies, the well-being of local residents, visitor experiences, health risks & eco-system services. It will also include sections on the expected social sustainability of the pilot options / project solutions to help partners recognise & promote the potential of all the pilot technologies across the BSR. There will also be an overview of the framework surrounding waste water treatment advancements to help partners recognise constraints that follower municipalities may be facing. All information and evidence will be presented in a coherent manner & timely disseminated to the project network. The document transcends national borders and is a collaborative document with input also from each of the pilots leads (DK, SE. LT, FI), local experts and partners LCA / SYKLI with regards to environmental aspects & risk assessments. The report has a threefold purpose. 1. To coherently compile the social considerations that need to be taken into account when discussing waste water treatment improvement options with local authorities at rural tourist destinations. This will be a valuable tool for the partners as they open up dialogues with municipality representatives & waste water treatment authorities. 2. To act as a benchmark for gauging the success of project work and uptake of project outputs 3. To help fill the gap in local authority & policy makers (local and regional) knowledge about the social impacts of poorly managed waste water treatment in rural tourist destinations (via main outputs) and their accumulative effect on BSR water quality.	O1.1 BSR seasonality mapping, O3.1 E-learning awareness campaign, O3.3 Policy Guidelines	

D 1.4	Co-creation feedback report	Co-creation feedback report transcends national borders and is a collaborative document with input also from each of the pilots leads (DK, PL, LT, FI), local experts and partners with regards to local pilot strategies and the implementation of the pilot measures. Results of transnational peer learning and co-creation arena enables the project partners to base their local model strategies and pilot measures for waste water treatment problems on experiences of all project partners and the international state-of the art. The arena: - An international expert panel advises the partners in a regular way. It consists of (a) experts within the Nursecoast-II consortium (technical experts), (b) external experts (e.g. project leaders, awareness raising experts = temporary members, who join for individual sessions and specific topics or stages to be discussed). - The main means for exchange & co-creation are co-creation review sessions. They are organised (back-to-back with all-partner meetings, preferably face-to-face) and used for reviews of intermediate results by (a) other project partners and (b) the international expert panel. Each model strategy & pilot measures is thereby peer reviewed by 2 partners from 2 other countries plus an external expert. These so-called “opponents” receive reports on the work status and have the task to comment them during the peer review sessions. The recommendations are documented. In the follow up, the reviewed partners will be asked to draft “absorption reports” in which they have to explain how they considered the recommendations in the local work. - On top, external experts are subcontracted to draft ex-ante evaluations of the model strategies (basis: draft strategies; timing: before adoption) and ex-post evaluations of the pilot measures (basis: final set ups; timing: after testing phase). Results will be taken up into the final versions of the strategies respectively the adjusted, final concepts of the pilot measures.	Deliverable fits into O1.1 BSR seasonality mapping, O2.2 Good Practice Report	
D 2.1	6 Pilot Validation Guidelines and 1 Report on decentralised WW systems on Moonsund Archipelago (EE)	6 Pilots Validation Guidelines (LT, FI, DK, PL): The document will include all results from WWTP performance tests and potential suggestions for their further optimisation with the benefit for target groups (managing municipalities and tourists operators). Report on Decentralised Wastewater System on Moonsund Archipelago (EE): The deliverable purpose is to concentrate on small tourist spots on the sea coast where seasonal wastewater loading highly varies impacting water quality of the coastal sea of island Saaremaa, Estonia. The deliverable consists of developed survey methodology (questionnaire setup, sample, etc) and used questionnaire to show what wastewater treatment technology has been installed, how operated and the potential relation to load from tourism. Potential problems will be documented. Based on the survey and the technology installed, the subjects shall be selected for further analysis. Further analysis will include on-site observation, in-depth interviews and expert assessment. On-site inspections in selected plants will be carried out to identify and describe the components of the wastewater system, to assess possible risks to environmental pollution, describe runoff from internal equipment, make an inventory of possible maintenance issues, effluent sampling. Survey results will be documented into the final report and shared and discussed to project partners. The survey will be carried out in close cooperation of local municipality and private WWTP owners. Light CEA (cost-effectiveness analysis) will be carried out, to evaluate, what could be the potential costs in order to achieve the desired water quality level in this area. Recommendations will be given for funding of small WWTP in the future to guarantee better water quality on Moonsund Archipelago. A simple tutorial for those who are responsible on everyday maintenance of small WWTP in tourist spots on Moonsund Archipelago will be completed.	Deliverable fits into O2.2 Good Practice Report	
D 2.2	Good Practice Report	Pilots implementations will be described in a form of Report extended with good practices goying beyond the given 6 investments. The report will include among others: 1. Technical benefits of the chosen technologies such as eg. description of the planned PILOT 3 technology: Due to the small bubble size, nanobubbles stay in the liquid and are not transported to the surface. This reduce the oxygen loss to the atmosphere, and the aeration rate can be reduced. Further, the small bubble size increase the solubility of oxygen in water so more than 100% oxygen saturation are possible, and can produce oxidizers with may affect the treatment process in a positive way. The aeration efficiency are improved if the size of the air bubbles are reduced e.g. new aerators are developed that forms microbubbles (10-50 µm size) or nanobubbles (<200 nm) which reduce energy consumption as a large fraction of the oxygen are transferred to the liquid phase. Further, membrane aerated bioreactors are a technology where oxygen is transferred directly to the liquid phase without formation of air bubbles. Nano-bubbles aeration is a technology where nanosized air bubbles are formed (<200 nm). 2. Economic aspects of chosen solutions implementations, 3. Transferrability assessment 4. Indications for the social acceptance issues	Output (Solution) 3, meets project objective 3. Deliverable fits into O.2.2 Good Practice Report	Yes

D 2.3	Environmental and risk assessment report	The report will include: - LCA analyses: Upstream and downstream consequences of decisions will be taken into account to help avoid the shifting of burdens from one environmental impact category to another of a pilot solution, from one country to another, or from one life cycle stage to another. The cooperation with the target groups and the validation of the effectiveness of the solutions in pilots and their influences on the overall environmental performance and sustainability will be emphasized. Also they will be compared with traditional approaches as well to make these solutions transferable. The report will be a joint work performed strongly cooperating with the staff in pilots and project partners. - Risk analysis: The SSP- tool is web-based programme which is available for partners use. The risk management in pilot sites will be led by the partners who have knowledge and experience about use and methodology of the SSP-tool as well as risk management principles. The risk management team will consist of operators, managers, and local authorities. The pilots will obtain the risk management action plans for the following years and summary of risk evaluations will be published in the report. - GIS mapping: maps of (1) potential effects of pilots implementations on nutrients reduction and (2) nutrient reduction potentials in other areas after possible replication of pilot solutions.	Output (Solution) 2, meets project objective 2. Deliverable fits into O.2.2 Good Practice Report	
D 2.4	Peer review findings with recommendations for WWT investments at BSR tourist destinations	The report serves as an intermediate step & internal report. It offers expert opinion and feedback on the project's pilot investments in terms of sustainability, transferability and stakeholder involvement. It will include an overview of the peer review process, the specific aspects that have been evaluated, followed by a chapter dedicated to the evaluation of each pilot investment and results of the questionnaire / peer review discussions. All information and opinions will be presented in a coherent manner, accurately referenced & timely disseminated to the project network. The document transcends national borders containing expert opinions from each partner country on all pilots. The report has a threefold purpose: 1. To act as a feedback mechanism which helps improve the project work, specifically the pilots' development, and ultimately the uptake of project outputs by local authorities 2. To coherently compile expert opinions about each pilot that need to be taken into account when partners discuss waste water treatment improvement options with local authorities at rural tourist destinations. This will be a valuable tool for the partners as they open up dialogues with municipality representatives & waste water treatment authorities. 3. To help fill the gap in local authority knowledge about some of the obstacles and challenges associated with each investment (via main outputs) and to make sure that lessons can be learnt and implemented by follower municipalities. 4. To evaluate the first choice of initial methods and technologies to tackle local wastewater problems in each pilot location. This would also allow cross-exchange of other pilots methods that could be adapted/ reused elsewhere.	Deliverable fits into O2.2 Good Practice Report, O3.1 Awareness Campaign	
D 3.1	Local and International dissemination campaign towards relevant stakeholders in the BSR	The domestic campaigns are the main means for disseminating the project results to the target groups (local authorities, water companies, regional & national authorities). They will combine the presentation of project results at external events & media with targeted own events organised by the project. In each country, one of the project partner coordinates the activities in collaboration with relevant network organisations that agreed to support (> project partners or AOs). The international dissemination campaigns will add on top of the national campaigns and further broaden the dialogue on water treatment in the BSR. It will combine the presentation of project results at local and external BSR events & information resources targeted down events organised by the project. The main focus of the activities will thereby be to advertise and promote the results of the project. Also the easy-to-understand PR tools will be utilised in this context. Coordinated by ERB, all project partners will contribute to the dissemination activities (e.g. by own presentations, by providing inputs from its local work). Basis for the activities will be an international dissemination plan, which will be jointly elaborated. It will define, inter alia: > which events or meeting may be visited at which point > which messages may be communicated at them and which tools (e.g. movies) will be used for that > which form of dialogue will be chosen (dedicated workshop session, presentation, booth etc.) > who will visit the events and who will provide inputs to the presentations > which media will be used to publish information about project results The effects of the dissemination activities will be constantly reviewed and the dissemination plan updated with reference to the findings. Besides local authorities and water companies from outside the partnership, regional and national authorities as well as pan-Baltic multipliers will be in the focus of the international dissemination activities.	Deliverable fits into O3.1 Local and International dissemination campaign	

D 3.2	"Business Models Hub" aimed at professionals and decision makers ("Investors tutorial")	Using the data of partner countries obtained and compiled during the project and the experience of pilot projects, proposals will be prepared to improve the situation in areas with a small but significant seasonal impact of tourism on wastewater pollution. Particular emphasis will be placed on finding a solution in areas where waste water treatment plants that do not provide adequate treatment or services are not in place. By creating the proposed solution and performing its approbation during the project, its implementation elsewhere after the completion of the project, will ensure the solution of the problem and the reduction of the pollution load or its absence at all. Possible types of solutions will be highlighted and discussed during the mid-term workshop of the project, which will be organized in Latvia and will summarize the results obtained in the project so far. When determining the choice of the solution in "Business Models Hub", both the environmental aspects and the available technological equipment will be taken into account, as well as the amount of costs, which is of significant importance in small tourist facilities. Depending on the location, the legal framework governing output will be identified. If wastewater is not discharged into the environment on site, the most efficient logistics solution will be sought to ensure adequate wastewater treatment in the immediate area. The proposed solutions will respond both to the existing operators of tourism facilities (private or public) and will be a message to the owners of new facilities, promoting the development of responsible tourism in the Baltic Sea Region. The tutorial will include: 1. Investors guidelines 2. Technology suppliers database 3. Incentives for business funding and public aid programmes	Deliverable fits into O3.3 Policy Guidelines	
D 3.3	Policy guidelines for waste water treatment at Baltic Sea Region tourist destinations	This output is intended to help local policy makers and practitioners make informed decisions to improve wastewater treatment in tourist destinations. The document builds awareness and knowledge on the importance of improving wastewater treatment at tourist sites within the context of international policy and targets. The report document includes sections on the international scope of the NURSECOAST II, how transnational cooperation is working to improve smaller wastewater treatment investments, the potential and accumulated effect of improving small treatment plants to meet international targets, plus policy recommendations at state level (for national policy instruments), county or municipal levels. The document, which is written in plain language (avoiding technical / legal terms) offers general guidance for local level investments whilst recognising regulatory baseline conditions (input from GoA 2.3 setting the framework). The output is aimed at national and county level policy makers, plus local authorities responsible for investment decisions. The output has four purposes: - To encourage local authorities to review their position on wastewater treatment in rural tourist areas - To make NURSECOAST-II findings (in an international context) accessible to non-technical readers and more readily transferable - To assist in the choice of appropriate water treatment policy in the specific contexts of different tourist destination types, e.g., beach and archipelago destinations. - To aid and facilitate the uptake of NURSECOAST-II findings by integrating relevant issues required for planning and policy development	Deliverable fits into O3.1 Local and International dissemination campaign	

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 3 - Natural Resources Institute Finland (LUKE)

Work package leader 2 PP 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)

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 Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. NURSECOAST-II will make a difference locally. Direct engagement into the WP1 activities: GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations GoA 1.4 Transnational CO-CREATION WORKSHOPS A1.4.2 Co-creation Workshops and study visits A3.1.2 Kick-off meeting in FI (LUKE), month 2 A3.1.3 Mid-term workshop in LV (CIDO), month 18 924 / 1,000 characters
2	Regional public authority Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Planned reaching via established networks of contacts of local public authorities: Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. Direct engagement into the WP1 activities: GoA 1.3 Socio-economic considerations for wastewater treatment at tourist destinations GoA 1.4 Transnational CO-CREATION WORKSHOPS A1.4.2 Co-creation Workshops and study visits A3.1.2 Kick-off meeting in FI (LUKE), month 2 A3.1.3 Mid-term workshop in LV (CIDO), month 18 962 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	**SEASONALITY MAPPING & ANALYSES**
1.2	**PILOTS TECHNICAL PREPARATION**
1.3	**Socio-economic considerations for wastewater treatment at tourist destinations**
1.4	**TRANSNATIONAL CO-CREATION WORKSHOPS**

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 3 - Natural Resources Institute Finland (LUKE)

A 1.1

5.6.2 Title of the group of activities

SEASONALITY MAPPING & ANALYSES

30 / 100 characters

5.6.3 Description of the group of activities

A1.1.1 GIS analyses of current small scale WWTP in chosen regions (IMP PAN)
Based on the preliminary WWTPs <2000 PE data obtained during the Seed Money stage for DK and PL, the remaining data on detection of the point sources by choosing the most nutrients-leaching near-coast vulnerable zones, in a graphical form will be (1) reached via publically available national geostastistics portals/ offices, (2) requested and accessed from other bodies if needed and (3) analysed and processed in a graphical way.

A1.1.2 Identification of technological boundaries for selected pilots (LUKE)
The current situation of the wastewater treatment and emissions will be recorded and the special measures required for the WW solution in the area will be mapped. Pilots decisions will be supported on the technology used, identified criteria, requirements and boundaries. That means the pilots may have different maturity.

A1.1.3 Survey of water use and possible water saving solutions in selected pilots (LUKE)
The tourism-related freshwater use and WW volumes of the pilot areas will be mapped and strategies to reduce the water use will be developed. Sustainable water use will be encouraged and the principles of the ecotourism concept are strengthened. BATs, good practices and public awareness will be taken into account.

A1.1.4 Options analysis: nutrient reducing and recycling, from wastewater to resource (eg. sludge mng, phytoremediation and biomass harvests for possible use, irrigation with WW) (AAU)
Commercial technologies for nutrients reuse will be identified. Data will be collected from all partners including description of currently used technologies for nutrient removal and recovery, distance to agricultural field, where nutrients can be used, data for variation of in-flow of nutrients.

A1.1.5 Final <2000 PE WWTP wastewater seasonality examination in the partnering countries for given touristic locations and pilots (CIDO)
In order to determine the impact of seasonal tourism wastewater pollution on the Baltic Sea coastal zone, the chosen partner countries of the project will carry out sampling in the drained areas, analyzing the level of pollution before, during and after the tourist season. The obtained data will be analyzed by comparing the pollution load between periods and determining the most important factors of pollution causes. The data will be obtained and analyzed by comparing the pollution load in the Gulf of Riga and the open sea provided by the Kurzeme coast in Latvia.

Inputs from target groups: Through direct involvement of local partners responsible for the pilot strategies (technical and non-technical) and through their stakeholders, commissioning and local and external experts and specialists.
Transnational settings: The transnational peer learning and co-creation arena enables the project partners to base their local model strategies and pilot measures on experiences of all project partners and the international state-of the art.

2,984 / 3,000 characters

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

D 1.1

Title of the deliverable

Maps for the touristic seasonality areas and technology criteria for pilots

75 / 100 characters

Description of the deliverable

1) BSR mapping of seasonality including:
- The effects of the tourist season to the area by having the distribution of WW flow across months,
- Detection of the point sources by choosing the most nutrients-leaching near-coast vulnerable zones,
- Fragmentation of the territory throughout several small-area islands. This poses additional vulnerability to environmental systems

Geographical limits for the study:
- WWTPs from 50 to 2000 PE,
- Based on data from regions neighbouring with the Baltic Sea coast,
- Depending on the availability of data from the regional bodies responsible for water management,

The obtained data will be analyzed by comparing the pollution load between seasons and determining the most important factors of pollution causes

2) Guidelines for selection of technology criteria, including
- requirements and boundaries, for nutrient removal and reuse in selected pilot locations.
- practical solutions for elimination of pollution, which would be implemented broader in areas with low PE but significant seasonal impact of tourism

1,061 / 2,000 characters

Which output does this deliverable contribute to?

Output (Solution) 1, meets project objective 1. Deliverable fits into O1.1 BSR seasonality mapping

98 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: SEASONALITY MAPPING & ANALYSES						
D.1.1: Maps for the touristic seasonality areas and technology criteria for pilots						

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 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)

A 1.2

5.6.2 Title of the group of activities

PILOTS TECHNICAL PREPARATION

28 / 100 characters

5.6.3 Description of the group of activities

A1.2.1. PILOT 1 (LT) JSC. New methods for enhanced phosphorus and other pollutants removal tests. The main problem is the uneven operation of the wastewater treatment plant due to the uneven amount of wastewater entering the wastewater treatment plants. Also, there is not efficient biological processes.
A1.2.2. PILOT 2 (FI) INGO. Grey water management at Skola Guest Habour, Bärösund. During the high season, the amount of wastewater exceeds the capacity of the local small wastewater treatment plant, which allows wastewater to enter to the environment, which poses a risk of pollution to the area and to the domestic water wells. Wastewater has to be transported a long distance to the municipal WWTP on a weekly basis. During the tourist season, capacity is exceeded by 200%. Most of the WW is grey water, which should be able to be treat on site. Now the cost for WW transporting during the tourist season is estimated to be 5000 €/ season.
A1.2.3. PILOT 3 (DK) VR. Novel aeration at Vallenssved WWTP. Wastewater treatment at Vellenssved WWTP is carried out using mechanical treatment and the activated sludge process. The current average load is 460 PE and around 370 kg N and 30 kg P are treated per year. The plant is located in the south part of Sealand. Fluctuations of N and P are observed due to the season. Aeration is required for removal of COD and nitrification, but the process is costly, maintenance is complicated and aerating accounts for 50% of the total energy used at the plant.
A1.2.4. PILOT 4 (DK) KW. Kilian constructed wetland. Intensified constructed wetland “planted filter” with aeration has been installed i.e. in Djursland, Odsherred and Hundested. The beds are aerated and it effectively remove both ammonia and organic materials. The plants are less effective for removal of P. Further the pathogens in the effluent may be a problem as it is discharged nearby the recreational areas.
A1.2.5. PILOT 5 (PL) BMCF. WW reuse via irrigation at the touristic settlement. With the increasing number of tourists and seasonal workers during summer months (450 people using the system in the summer months compared to 50 people living on site the whole year) and increased water demand on the farm during summer, there is a need to carry out the modernisation not only of the WWTP, but also to find a solution for better water circulation in the area aiming at water reuse.
A1.2.6. PILOT 6 (PL) MoSmo. Hydrophyte WW treatment and biomass valorisation close to Slowinski National Park, Łokciowe Village. Currently WWTP (ca. 20 m3/d) is based on septic tank with active bed (150 PE), located near two blocks of flats inhabitted by locals. The nearby parcels are being purchased by tourists and seasonal inhabitants, thus the intensity of WW is growing in the season, causing the need to export WW into municipal WWTP.
A1.2.7. Compiling of articles and finalisation of Coastline Reports issue (EUCC-D)

2,922 / 3,000 characters

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

D 1.2

Title of the deliverable

Coastline Reports Journal “Tech. preparation for WWT investments at BSR Tourist Destinations”

93 / 100 characters

Description of the deliverable

Six popular science articles reflecting the technical preparation work that is undertaken during the early stages of the pilot studies will be brought together in one published journal. This Coastline Reports issue (in English) serves to compile and disseminate the project’s technical preparation findings in a professional and accessible format. The pilot leads are responsible for the content, writing, editing, image sources, and language check (EN) of their individual articles. EUCC-D will provide partners with guidelines for the recommended layout. EUCC-D is responsible for compiling all articles together, and finalisation of the publication. The work carried out by the partners reflects the preparatory stage of the project’s investments. All information and evidence will be presented in a coherent manner & timely disseminated to the project network. The document transcends national borders and is a collaborative document with input from each of the pilots leads (DK, SE. LT, FI). The report has a threefold purpose.
1. To coherently compile results from the preparation stage of the investments that need to be taken into account when discussing all waste water treatment technology options with local authorities at rural tourist destinations across the BSR. This will be a valuable tool for the partners as they open up dialogues with municipality representatives, investors & private companies.
2. To document the intermediate step in knowledge and pilot / investment development – target external
3. To help fill the gap in research & company technical knowledge (via main outputs)

Inputs from participating target groups and transnational settings will be taken into account by the following cross-cutting with GoA 1.4:
GoA 1.4 Transnational CO-CREATION WORKSHOPS
A1.4.1 Joint development of the co-design process for transnational exchange of ideas and learning
A1.4.2 Co-creation Workshops and study visits (CWSV)

1,942 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O 2.2 Good Practice Report

48 / 100 characters

5.6.6 Timeline

	Period: 1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: PILOTS TECHNICAL PREPARATION						
D.1.2: Coastline Reports Journal “Tech. preparation for WWT investments at BSR Tourist Destinations”						

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 17 - EUCC - The Coastal Union Germany

A 1.3

5.6.2 Title of the group of activities

Socio-economic considerations for wastewater treatment at tourist destinations

78 / 100 characters

5.6.3 Description of the group of activities

A 1.3.1. Scoping - A preliminary analysis that prioritizes PSIA considerations, incl. stakeholder needs (EUCC-D)
A 1.3.2. Profiling Baseline Conditions (EUCC-D)
A 1.3.3. Setting the framework including identification of regulations, governance and requirements (EUCC-D)
A 1.3.4. Predicting Impacts - Based on the analysis of information gathered (AAU)
A 1.3.5. Identifying mitigation options and solutions (IMP PAN)
A 1.3.6. Compiling information plus finalisation & dissemination of report (EUCC-D)

The aim is to improve local authority understanding of the social relationship between tourism development, investments relating to wastewater management, & environmental quality. This GoA compiles expert advice on how poor wastewater treatment at tourist destinations can lead to social costs including reduced benefits from access to coastal environments, reduced opportunities for recreation, & health risks to coastal visitors & eco-systems. Activities support the project’s pilot case studies, focusing on two area types: Baltic Archipelagos and Baltic Beach Coasts which are both recognised as being vulnerable to seasonal wastewater problems. The findings will be gathered in a ‘Social Factors Report’, fed into the Policy Guidelines (GoA 3.3) and disseminated to the target audience during face to face project outreach (transfer & uptake) activities of WP3. Key socio-economic components of waste water management will be identified via desk research & by compiling expert advice/opinions from each pilot area. Experts will be approached with the assistance of the national partners. The work highlights the real impacts of seasonality on communities across the whole BSR region & introduces a transnational, human dimension to the pilot studies. A general profile of typical vulnerable BSR areas which suffer from seasonal waste water accumulations will be formed. The social indicators used for profiling will be defined based on scoping findings. These baseline conditions & community trends for the study areas will serve as a check for the project on the social rewards gained through uptake of pilot solutions.

Desk research will identify key legislation & governance issues at the pilot sites. Here, the legal requirements, restraints & obstacles which communities face whilst improving their wastewater treatment will be identified. The opportunities that improved solutions may bring in meeting national & international environmental targets will also be documented.

With input also from GoA 2.3, the social threats of poorly managed wastewater treatment at tourist destinations will be identified & described. This will be done with a view to then announcing how the project’s pilots can mitigate the social problems & bring about social reward instead. The pilot leads will input their expertise on how the uptake of their pilot investment can address the identified social threats.
With input from GoA 2.2, the impact of new technologies will be evaluated.

2,982 / 3,000 characters

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

D 1.3

Title of the deliverable

Social factors report for waste water treatment at rural tourist destinations

77 / 100 characters

Description of the deliverable

The report serves as an intermediate step & internal report. It will be structured to highlight the differences in waste water treatment between rural tourist areas & typical urban areas. It will include sections on the status quo at urban sites including a baseline profile of areas that may be vulnerable to waste water treatment problems. It will highlight for example the impact current operations have on community identity, local economies, the well-being of local residents, visitor experiences, health risks & eco-system services. It will also include sections on the expected social sustainability of the pilot options / project solutions to help partners recognise & promote the potential of all the pilot technologies across the BSR. There will also be an overview of the framework surrounding waste water treatment advancements to help partners recognise constraints that follower municipalities may be facing. All information and evidence will be presented in a coherent manner & timely disseminated to the project network.
The document transcends national borders and is a collaborative document with input also from each of the pilots leads (DK, SE. LT, FI), local experts and partners LCA / SYKLI with regards to environmental aspects & risk assessments. The report has a threefold purpose.
1. To coherently compile the social considerations that need to be taken into account when discussing waste water treatment improvement options with local authorities at rural tourist destinations. This will be a valuable tool for the partners as they open up dialogues with municipality representatives & waste water treatment authorities.
2. To act as a benchmark for gauging the success of project work and uptake of project outputs
3. To help fill the gap in local authority & policy makers (local and regional) knowledge about the social impacts of poorly managed waste water treatment in rural tourist destinations (via main outputs) and their accumulative effect on BSR water quality.

2,000 / 2,000 characters

Which output does this deliverable contribute to?

O1.1 BSR seasonality mapping, O3.1 E-learning awareness campaign, O3.3 Policy Guidelines

89 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Socio-economic considerations for wastewater treatment at tourist destinations						
D.1.3: Social factors report for waste water treatment at rural tourist destinations						

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 16 - Association of Polish Communes Euroregion Baltic

A 1.4

5.6.2 Title of the group of activities

TRANSNATIONAL CO-CREATION WORKSHOPS

35 / 100 characters

5.6.3 Description of the group of activities

A 1.4.1. Joint development of the co-design process for transnational exchange of ideas and learning
A 1.4.2. Co-creation Workshops and study visits (CWSV)
A 1.4.3. Compiling of protocols and feedback report writing

On the basis of the jointly elaborated methodological framework, each of the model regions of the project will elaborate a local strategy for pilot investment. Along with these strategies, exemplary and complementary pilot measures for waste water treatment will be carried out. Those will be reference points for the local strategy elaboration and, at the same time, depict for all model regions possible measures that can be taken up into their strategies. Both the elaboration of the local strategies and the implementation of the pilot measures for WWTP will thereby be carried out in the framework of a transnational peer learning and co-creation process. In its course, participating municipalities and water companies from other countries as well as proficient experts from inside and outside the project partnership will contribute their experiences to the development of each model strategy and pilot measure. Thus, those will be enriched with available experiences from the BSR & beyond, and will be based on the international state-of-the art.

In order to enable the transnational co-creation of the solutions to be developed, a mutual learning arena will be established that will accompany the local work processes. It will include:
- A panel of international experts that will give recommendations to the partners with reference to the international state-of-the-art and experiences from in and outside the BSR
- Co-creation sessions, in which partners from the other model regions and the international expert panel will review the local works and give recommendations for improvements. They will carry out at different points of the local work process (design / planning / evaluation & adjustment)
- External evaluations of each model strategy and pilot action by international experts from the partnership and subcontracted external experts.
- Setting up an expert panel for giving advice to the local partners throughout the local work processes.
- 3 co-creation review sessions (back-to-back with technical partner meetings) to jointly review the local work on the model strategies and pilot measures at different points of the process (deign / planning / evaluation & adjustments)
- External ex-ante evaluations of each model strategy by international experts (on the basis of the draft strategy, delivering recommendations for adjustments before its finalisation and adoption)
- External ex-post evaluation of each pilot measure by international experts (after the testing phase, delivering recommendations for adjustments to the concepts)
The peer learning & co-creation allows for intensive and structure dialogue on the model strategies and pilot measures, which goes far beyond the formal requirements of the programme.

2,963 / 3,000 characters

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

D 1.4

Title of the deliverable

Co-creation feedback report

27 / 100 characters

Description of the deliverable

Co-creation feedback report transcends national borders and is a collaborative document with input also from each of the pilots leads (DK, PL, LT, FI), local experts and partners with regards to local pilot strategies and the implementation of the pilot measures. Results of transnational peer learning and co-creation arena enables the project partners to base their local model strategies and pilot measures for waste water treatment problems on experiences of all project partners and the international state-of the art.
The arena:
- An international expert panel advises the partners in a regular way. It consists of (a) experts within the Nursecoast-II consortium (technical experts), (b) external experts (e.g. project leaders, awareness raising experts = temporary members, who join for individual sessions and specific topics or stages to be discussed).
- The main means for exchange & co-creation are co-creation review sessions. They are organised (back-to-back with all-partner meetings, preferably face-to-face) and used for reviews of intermediate results by (a) other project partners and (b) the international expert panel. Each model strategy & pilot measures is thereby peer reviewed by 2 partners from 2 other countries plus an external expert. These so-called “opponents” receive reports on the work status and have the task to comment them during the peer review sessions. The recommendations are documented. In the follow up, the reviewed partners will be asked to draft “absorption reports” in which they have to explain how they considered the recommendations in the local work.
- On top, external experts are subcontracted to draft ex-ante evaluations of the model strategies (basis: draft strategies; timing: before adoption) and ex-post evaluations of the pilot measures (basis: final set ups; timing: after testing phase). Results will be taken up into the final versions of the strategies respectively the adjusted, final concepts of the pilot measures.

1,983 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O1.1 BSR seasonality mapping, O2.2 Good Practice Report

77 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.4: TRANSNATIONAL CO-CREATION WORKSHOPS						
D.1.4: Co-creation feedback report						

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 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)

Work package leader 2 PP 6 - Aalborg Univesity (AAU)

5.4 Work package budget

Work package budget 40%

5.4.1 Number of pilots

Number of pilots 6

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. NURSECOAST-II will make a difference locally. Direct engagement into the WP2 activities: GoA 2.4 Peer Review of pilot solutions A2.4.1 Peer review development workshop (at mid term meeting LV) A2.4.2 Creation of peer review documentation, incl. questionnaire and feedback template A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings 951 / 1,000 characters
2	Regional public authority Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Planned reaching via established networks of contacts of local public authorities: Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. Direct engagement into the WP2 activities: GoA 2.4 Peer Review of pilot solutions A2.4.1 Peer review development workshop (at mid term meeting LV) A2.4.2 Creation of peer review documentation, incl. questionnaire and feedback template A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings 989 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilots development support & Validation**
2.2	**Pilot investments**
2.3	**Environmental and risk assessment**
2.4	**Peer review of pilot solutions**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 6 - Aalborg Univesity (AAU)

A 2.1

5.6.2 Title of the group of activities

Pilots development support & Validation

39 / 100 characters

5.6.3 Description of the group of activities

A2.1.1-A2.1.6 cross-pilots support by all research partners:
- Aeration optimization, analyses, testing nano-bubbles under submerged bed vs. conventional cyclic diffusors aeration (KTU)
- Grey water management support at (LUKE)
- Nano bubble aeration will be tested at pilot-scale as a method to treat grey water and compared with standard areation (AAU)
- New methods for enhanced phosphorus removal and membrane filtration tests (AAU)

IMP PAN:
- WWTP response to seasonality - treatment efficiency verification under changing load, samples collection & analysis (Kjeldahl nitrogen, ammonium nitrogen, nitrates, COD, BOD)
- Aeration optimization, CFD analyses, testing nano-bubbles under submerged bed vs. conventional cyclic diffusors aeration, micro-bubbles aeration – experimental tests (cooperation with AAU)
- Agronomic effectiveness analysis of effluent in hydroponic irrigation,
- Valorisation of local nutrients-rich substrates & organic waste management paths (biomethane, bioethanol both from harvested plants and sewage sludge depending on final use)
- Final effluent post-treatment efficiency assessment in relation to lowered limits of N and P,
- Analysis of local organic substrates availability for the potential micro biogas plant for better utilization of WWTP sludge, agricultural waste, garden waste, food waste etc.

- Design & technical support, vertical and horizontal flow, testing both parallel or serial systems.
- Hydrophyte bed response to seasonality - treatment efficiency verification under changing load, samples collection & analysis: stressing the microorganisms in the biofilter roots system by the controlled wastewater contamination load proportional to the seasonal flows, studying the effects of changed loads on the WW treatment efficiency,
- Harvested biomass valorisation paths: valorisation of the separated sludge and biomass extracted from the hydrophyte WWTP by means of anaerobic digestion and biogas production,
- Increasing user's friendlyness operation and reduction of odours

A2.1.7. Testing the IT system for remote management of the WWTP (BMCF)
A2.1.8. Archipelago solution development at Skola Guest Habour (LUKE)
A2.1.9. Survey on decentralised wastewater systems on Moonsund Archipelago (SEI). A study will be conducted to get insight into small wastewater treatment systems (<2000 PE) on Moonsund Archipelago. The archipelago is composed of the islands Saaremaa, Hiiumaa, Muhu, Vormsi and about 900 other smaller islands. UNESCO established the Moonsund Archipelago Biosphere Reserve in 1990 under the Man and the Biosphere Programme. In this survey we will concentrate on the biggest island Saaremaa.

Inputs from target groups operating the existing WWTPs included: Capacity increase of existing WWTPs, improved nutrient removal with the selected technogies, implementation co-financing,
Transnational settings: accomplished implementation success stories used for vast replication elsewhere throughout the BSR.

2,972 / 3,000 characters

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

D 2.1

Title of the deliverable

6 Pilot Validation Guidelines and 1 Report on decentralised WW systems on Moonsund Archipelago (EE)

99 / 100 characters

Description of the deliverable

6 Pilots Validation Guidelines (LT, FI, DK, PL):
The document will include all results from WWTP performance tests and potential suggestions for their further optimisation with the benefit for target groups (managing municipalities and tourists operators).

Report on Decentralised Wastewater System on Moonsund Archipelago (EE):
The deliverable purpose is to concentrate on small tourist spots on the sea coast where seasonal wastewater loading highly varies impacting water quality of the coastal sea of island Saaremaa, Estonia. The deliverable consists of developed survey methodology (questionnaire setup, sample, etc) and used questionnaire to show what wastewater treatment technology has been installed, how operated and the potential relation to load from tourism. Potential problems will be documented. Based on the survey and the technology installed, the subjects shall be selected for further analysis. Further analysis will include on-site observation, in-depth interviews and expert assessment. On-site inspections in selected plants will be carried out to identify and describe the components of the wastewater system, to assess possible risks to environmental pollution, describe runoff from internal equipment, make an inventory of possible maintenance issues, effluent sampling. Survey results will be documented into the final report and shared and discussed to project partners. The survey will be carried out in close cooperation of local municipality and private WWTP owners. Light CEA (cost-effectiveness analysis) will be carried out, to evaluate, what could be the potential costs in order to achieve the desired water quality level in this area. Recommendations will be given for funding of small WWTP in the future to guarantee better water quality on Moonsund Archipelago. A simple tutorial for those who are responsible on everyday maintenance of small WWTP in tourist spots on Moonsund Archipelago will be completed.

1,950 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O2.2 Good Practice Report

47 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilots development support & Validation						
D.2.1: 6 Pilot Validation Guidelines and 1 Report on decentralised WW systems on Moonsund Archipelago (EE						

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 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)

A 2.2

5.6.2 Title of the group of activities

Pilot investments

17 / 100 characters

5.6.3 Description of the group of activities

2.2.1 PILOT 1 (LT) NW. Application of the new technology for enhanced nitrogen and phosphorus removal. CAUTION: Method from PILOT 3 tested at PILOT 1: Nano-bubbles aeration have been suggested as a method for membrane cleaning and can eventually be used to reduce size of reactors.

2.2.2 PILOT 2 (FI) INGÅ. Dual Plumbing System for grey waters to be treated on site. Dual Plumbing System will be built for grey waters to be treated on site. Large amounts of gray water limit ready-made solutions. The challenge for an infiltration field is that it requires a large surface area. The advantage of a biofilter is its placement on the ground, which is easier to maintenance and it requires smaller surface area. The reduce of water use is needed. It can be done by replacing the old toilets with the new water saving models and by installing touchless faucets to help save water and energy. Water consumption can be cut by as much as 50%. The aim is to develop the activities of the Scola Guest Habour together with the municipality of Inkoo in accordance with the principles of Ecotourism. The changes that are planned to be carried out also support this development.

2.2.3 PILOT 3 (DK) VR. Application of the nano-bubbles aeration with high utilization of oxygen. Alternative methods for aeration with high utilization of oxygen can be done using aerators that are more efficient or eventually membrane aerated systems. The technology is relative new and not tested at wastewater plant yet. It will terefore be possible to increase the biological conversion of COD and N, lower energy consumptions. CAUTION: Method from PILOT 5 tested at PILOT 3: Testing the dedicated IT system for remote management of the WWTP

2.2.4 PILOT 4 (DK) KW. Improvement of water plant beds. Optimization of the bed by changing aeration rate, recycling of water, composition of soil. Chemical P removal may be required to reduce P in effluent as well as addition of extra bed to reduce the load and improve the water quality. Test with aeration, recirculation and ensure documentation of the effect to operate plant in best possible way. Look for possibilities to improve water quality so it can be reused.

2.2.5 PILOT 5 (PL) BMCF. Filtration, disinfection, irrigation and monitoring system for treated wastewater. CAUTION: Method from PILOT 3 tested at PILOT 5: Nano-bubbles aeration have been suggested as a method for membrane cleaning and can eventually be used to reduce size of reactors.

2.2.6 PILOT 6 (PL) MoSmo. Dual water plants bed system (horizontal/ vertical) close to Słowiński National Park. The village is an old historic settlement between 2 coastal lakes – Gardno and Łebsko.

Target groups (municipalities) responsible for their pilots implementations will follow standard investment steps (technical designs and procurement procedures), lessons learnt from A1.4.2 Co-creation Workshops and study visits will be included, making the solutions ready to be transferred elsewhere transnationally.

2,995 / 3,000 characters

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

D 2.2

Title of the deliverable

Good Practice Report

20 / 100 characters

Description of the deliverable

Pilots implementations will be described in a form of Report extended with good practices goying beyond the given 6 investments. The report will include among others:
1. Technical benefits of the chosen technologies such as eg. description of the planned PILOT 3 technology:
Due to the small bubble size, nanobubbles stay in the liquid and are not transported to the surface. This reduce the oxygen loss to the atmosphere, and the aeration rate can be reduced. Further, the small bubble size increase the solubility of oxygen in water so more than 100% oxygen saturation are possible, and can produce oxidizers with may affect the treatment process in a positive way. The aeration efficiency are improved if the size of the air bubbles are reduced e.g. new aerators are developed that forms microbubbles (10-50 µm size) or nanobubbles (<200 nm) which reduce energy consumption as a large fraction of the oxygen are transferred to the liquid phase. Further, membrane aerated bioreactors are a technology where oxygen is transferred directly to the liquid phase without formation of air bubbles. Nano-bubbles aeration is a technology where nanosized air bubbles are formed (<200 nm).
2. Economic aspects of chosen solutions implementations,
3. Transferrability assessment
4. Indications for the social acceptance issues

1,319 / 2,000 characters

Which output does this deliverable contribute to?

Output (Solution) 3, meets project objective 3. Deliverable fits into O.2.2 Good Practice Report

96 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.2: Pilot investments						
D.2.2: Good Practice Report						

5.6.7 This deliverable/output contains productive or infrastructure investment ☑

	Investment no.	I2.2_1

Title
2.2.1 PILOT 1. Application of the new techbonloggy for enhanced phosphorus removal.
83 / 100 characters

Description
Nano-bubble aeration will be tested at Neringos Waters WWTP in Preila, A SBR plant with 700 PE and with fluctuation of N and P during the season. The plant is comparable with many WWTP in BSR. Capacity change and water quality will be monitored and compared with normal aerations.
280 / 500 characters

Country
Lithuania

Responsible project partner(s)
PP 2 - Kaunas University of Technology (KTU)
PP 6 - Aalborg Univesity (AAU)
PP 13 - JSC Neringa water

Justification
The use of nanobubbles in wastewater is a relative new technology, and several things have to be tested to see the full potential. It is expected that energy cost for aeration can be reduced with more than 40%. More oxygen is transferred and the oxygen concentration in the tank is higher than during conventional aeration method. Nanobobbles forms radicals, so unwanted organic compounds will be degraded.
410 / 500 characters

Transitional relevance
Method from PILOT 2 tested at PILOT 1: Nano-bubbles aeration have been suggested as a method for membrane cleaning and can eventually be used to reduce size of reactors. This nanobubbles solution will be tested in Denmark and Lithuania and the results will be compared also disseminated through a different channels foreseen in the project: Target groups, Associated partners, associations, EUCC, ERB etc.
Hosting a local visit for partners in A1.4.2 Co-creation Workshops and study visits
489 / 500 characters

Benefits
No doubts that tested an innovative solution will bring a lot of benefits to the target groups - especially municipalities and water utilities and to the whole Baltic Sea region. The results are very import in the field of improvement of the status of surface waters in coastal areas and decrease of the biogenic substances and eutrophication in the Baltic Sea.
362 / 500 characters

Location
The investments will be don in Neringa municipality in Lithaunia, in Preila city wastewater treatment plant, which is located in the Baltic Sea coast area.
155 / 250 characters
Klaipėdos apskritis

Location ownership
JSC Neringa water
17 / 250 characters

Ownership
JSC Neringa water
17 / 500 characters

Maintenance
JSC Neringa water
17 / 500 characters

Climate proofing
☑ Ensured ☐ N/A

	Investment no.	I2.2_2

Title

2.2.2 PILOT 2. Dual plumbing system for grey waters to be treated on site.

74 / 100 characters

Description

Barösund archipelago marina in Municipality of Ingå, is rapidly developing the local small businesses investments in the infrastructure for the local tourism, toilets, showers, restaurants etc. Wastewater treatment is inadequate, but could be developed by separating the grey- and wastewater pipelines, building double piping and building a soil filtration field to treat the grey waters. The current situation could impose a risk for both the marine environment and on land.

476 / 500 characters

Country

Finland

Responsible project partner(s)

PP 3 - Natural Resources Institute Finland (LUKE)
PP 11 - Municipality of Ingå

Justification

The municipality is highly motivated to develop and facilitate ecologically sustainable businesses and tourism in the Ingå archipelago, maintain the clean and unspoiled nature even in the tourism hot spots, and to do this in close cooperation with the local businesses. The capacity of the current wastewater system has become small during the tourist season, and the site has been identified as an important development site in the municipality's water supply development plan.

479 / 500 characters

Transitional relevance

Hosting a local visit for partners in A1.4.2 Co-creation Workshops and study visits and involved in A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings
Solution broad communication across BSR and replication within GoA 3.2 and GoA 3.3. Changes to the wastewater system and development of an ecotourism concept can be implemented for sensitive coastal areas in other countries. Solutions to save water and energy will be developed.

484 / 500 characters

Benefits

The local businesses: the marina, the local service providers as well as the local landowners that are needed to facilitate the building of the filtration field, as well as those that now suffer from the spilled wastewaters. Also the municipalities environmental and construction authorities as well as the municipalities waste water service provider are included in the project.

379 / 500 characters

Location

Barösund archipelago marina in Municipality of Ingå

51 / 250 characters

Helsinki-Uusimaa

Location ownership

Municipality of Ingå

20 / 250 characters

Ownership

Municipality of Ingå

20 / 500 characters

Maintenance

Municipality of Ingå is taking care of the operation and the maintenance of the system.

88 / 500 characters

Climate proofing

☑ Ensured ☐ N/A

	Investment no.	I2.2_3

Title

2.2.3 PILOT 3. Application of the nano-bubbles aeration with high utilization of oxygen

87 / 100 characters

Description

Nano-bubble aeration will be tested at Vellenssved WWTP in south part of Sealand, A SBR plant with 460 PE and around 370 kg N and 30 kg P per year with fluctuation of N and P during the season. The plant are comparable with many WWTP in BSR. Capacity change and water quality will be monitored and compared with normal aerations. Cost analysis will be done. Result and potential for transfer of technology to other plant will be discussed with partners.

453 / 500 characters

Country

Denmark

Responsible project partner(s)

PP 6 - Aalborg Univesity (AAU)
PP 7 - The Bogdan Janski Bure Misie Community Foundation (BMCF)
PP 15 - NK forsyning

Justification

The municipality is highly motivated to improve wastewater treatment at smaller plants to maintain the clean and unspoiled nature even in the tourism hot spots

159 / 500 characters

Transitional relevance

Hosting a local visit for partners in
A1.4.2 Co-creation Workshops and study visits
and involved in:
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings
A2.1.6 Testing the IT system for remote management of the WWTP (BMCF). Method from PILOT 5 tested at PILOT 3: Testing the dedicated IT system for remote management of the WWTP.
Solution broad communicatrion across BSR and replication within GoA 3.2 and GoA 3.3

469 / 500 characters

Benefits

The nanobubble technology can improve the capacity of existing plants with aerated biological wastewater treatment e.g. SBR systems. The outlet concentration of N and P can be improved. The technology are beneficial for plant operating at or near the capacity limit and for plant with high fluctuation of inflow volumen and COD. It is a technology that can be easily implemented at existing aerated wastewater treatement plants

428 / 500 characters

Location

Vallensved

10 / 250 characters

Vest- og Sydsjælland

Location ownership

NK forsyning A/S

16 / 250 characters

Ownership

NK forsyning A/S

16 / 500 characters

Maintenance

NK forsyning A/S

16 / 500 characters

Climate proofing

☑ Ensured ☐ N/A

	Investment no.	I2.2_4

Title

2.2.4 PILOT 4. Application of improvemed water plant beds in reconstructed wetland.

83 / 100 characters

Description

An intensified constructed wetland “planted filter” with aeration installed at Djursland and Odsherred in Denmark will be used to improve water quality. Half of the water will be recirculated to the bed and the bed aerated to effectively remove ammonia and organic materials. Precipitation of phosphorus will be implemented to ensure low phosphorus content in the effluent. Wetland during the whole BSR will be compared to establish a better understanding of seasonality influence on the technology

498 / 500 characters

Country

Denmark

Responsible project partner(s)

PP 6 - Aalborg Univesity (AAU)
PP 12 - Municipality of Smoldzino
PP 14 - Kilian Water

Justification

Wetlands are easy to establish and are used for wastewater treatment at rural areas. Intensified wetlands is a method to ensure higher removal of N and P. There is an interest in developing wetlands there water can be used for irrigation and fertilization in summer period, where the load is high. The intensified wetland solution gives this flexibility, which is relevant for area close to agricultural field.

411 / 500 characters

Transitional relevance

Hosting a local visit for partners in
A1.4.2 Co-creation Workshops and study visits
and involved in:
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings
Solution broad communicatrion across BSR and replication within GoA 3.2 and GoA 3.3

292 / 500 characters

Benefits

Wetland is a simple solution and with some justment it is possible to ensure either low or high concentration of P and N in the water, so the nutrient can be reused as fertilizers or alternative water can be discharged with low negative impact on the local water environment. As a low-tech solution, it fits best to the touristic regions with well preserved nature, where local operating objects take care about the touristic attractiveness and don't want to invest in large infrastructure.

490 / 500 characters

Location

Odsherred

9 / 250 characters

Nordsjælland

Location ownership

Kilian Water

12 / 250 characters

Ownership

Kilian Water

12 / 500 characters

Maintenance

Kilian Water

12 / 500 characters

Climate proofing

☑ Ensured ☐ N/A

	Investment no.	I2.2_5

Title

2.2.5 PILOT 5. Expansion, filtration, disinfection, irrigation, monitoring for treated wastewater.

98 / 100 characters

Description

1. Settling tanks for secondary sludge,
2. 2nd stage of wastewater treatment based on subsurface flow wetlands covered with common reed Phragmites australis,
3. Retention tank for treated sewage,
4. Water Filtration and disinfection system prior to disinfection,
5. Irrigation system - retention tank, pumping system, water distribution system,
6. IT management system for the remote steering, performance visualisation, monitoring and decision making support

461 / 500 characters

Country

Poland

Responsible project partner(s)

PP 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)
PP 6 - Aalborg Univesity (AAU)
PP 7 - The Bogdan Janski Bure Misie Community Foundation (BMCF)

Justification

(1-3) Expansion of the existing 75 PE WWTP for reducing the seasonality effects (up to 450 tourists in the season) with no increase in energy consumption
(4) Installing a filtration and disinfection system of water from the treatment plant in order to adjust the parameters to the requirements of the irrigation system (5),
(6) Expansion of the monitoring, visualisation, steering and decision support systems in order to optimize and maintain the operation of the sewage treatment plant,

488 / 500 characters

Transitional relevance

Hosting a local visit for partners in
A1.4.2 Co-creation Workshops and study visits
and involved in:
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings
A1.1.5 Final <2000 PE WWTP wastewater seasonality examination in the partnering countries for given touristic locations and pilots
A2.1.2 Cooperation with Denmark/ AAU in nano/ micro-bubbles aeration),
Solution broad communicatrion across BSR and replication within GoA 3.2 and GoA 3.3

494 / 500 characters

Benefits

(1-3) Adapting to seasonality effects (up to 450 tourists in the season) with no increase in energy consumption
(4) Added value of irrigation system using treated sewage, applied to hydroponic cultivations,
(6) Full control over the operation by: supervising, remote control, visualisation, monitoring the oxygen level and adjusting the duration of the blowers operation, reporting generated management information for the optimization of various parameters of the treatment plant's operation

492 / 500 characters

Location

ul. Osadowa 7, Nowy Klincz, 83-400 Kościerzyna

46 / 250 characters

Chojnicki

Location ownership

The Bogdan Jański Bure Misie Community Foundation

49 / 250 characters

Ownership

The Bogdan Jański Bure Misie Community Foundation

49 / 500 characters

Maintenance

Ecol-Unicon Sp. z o.o. on behalf of the partner - authorised company who provides the maintanance of current WWTP and will probably be responsible for its expansion.

165 / 500 characters

Climate proofing

☑ Ensured ☐ N/A

	Investment no.	I2.2_6

Title

2.2.6 PILOT 6. Dual water plants bed system (horizontal/ vertical) close to Słowiński National Park

99 / 100 characters

Description

The solution is to improve the WW treatment at local village settlement tackling with yearly massive tourists inflows (200 PE, ca. 20 m3/d):
(1) Use the existing tank as a rotating settling tank for the sludge removal,
(2) Hydrophyte biofilter as a reconstructed wetland based on local water plants,
(3) Final clarifier pond
Dual water plants beds working in series: 1st horizontal - shorter retention time, 2nd vertical - longer retention time for better particulate removal.

477 / 500 characters

Country

Poland

Responsible project partner(s)

PP 1 - The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)
PP 12 - Municipality of Smoldzino
PP 14 - Kilian Water

Justification

The pilot will be designed and built in a way to minimise the potentially lowered biofilter efficiency effects from the changing seasonal WW inflow fluctuations. The potential solution refers to two water plants beds with much smaller dimensions working in series. The first bed with a horizontal flow, the second with a vertical flow. In addition to smaller dimensions than the solution with one object, the first bed will additionally be a pre-filter.

454 / 500 characters

Transitional relevance

Hosting a local visit for partners in
A1.4.2 Co-creation Workshops and study visits
and involved in:
A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings
A2.1.3 New methods for enhanced phosphorus removal and membrane filtration tests at PILOT 3 (knowledge exchange between Danish pilot in terms of water plants choices)
Solution broad communicatrion across BSR and replication within GoA 3.2 and GoA 3.3

459 / 500 characters

Benefits

Raw sewage has a large suspension load, which in the case of only one bed would lead to its clogging. In addition, with such a hybrid solution, the smaller area of each of the beds has a significant positive effect on the maintenance procedures, it is easier to maintain the uniformity of the bed sprinkling. Moreover the problematic odours will hopefully be reduced due to longer retention time in the 2nd bed.

411 / 500 characters

Location

Łokciowe village

16 / 250 characters

Słupski

Location ownership

Municipality of Smołdzino

25 / 250 characters

Ownership

Municipality of Smołdzino

25 / 500 characters

Maintenance

Municipality of Smołdzino

25 / 500 characters

Climate proofing

☑ Ensured ☐ N/A

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 2 - Kaunas University of Technology (KTU)

A 2.3

5.6.2 Title of the group of activities

Environmental and risk assessment

33 / 100 characters

5.6.3 Description of the group of activities

2.3.1. Environmental impact assessment using LCA (KTU)
For each out of 6 pilots, we plan to make the Life Cycle Assessment (LCA) of the proposed technological solution and to compare with the existing similar technologies. In its Communication on Integrated Product Policy (COM (2003)302), the EC concluded that LCA provide the best framework for assessing the potential environmental impacts of technologies currently available and a new developed. The LCA using the life cycle approach for the pilot solutions will ensure the comprehensive environmental assessment of the pilots in all partner countries. As the Life Cycle Thinking (LCT) is a core concept in Sustainable Development (SD) for business and policy, these assessments will provide pilots with a comprehensive data for the decision making and will help for the future technology dissemination and trasferability.

2.3.2. Risk assessment by using the “Impact tool” to demonstrate the nutrient reduction potential of the solution in a potential new area for municipalities (SYKLI).
Includes initial SWOT analysis which fits into GoA 1.3 and GoA 1.4. The purpose of the risk evaluation is to find all the major environmental and health risk which can cause accidents or damages in WWTP. After finding the risks, the risks are evaluated and prioritized. Corrective measures to avoid or to decrease probability or seriousness of the risks are defined. Safety Sanitation Plan (SSP) -tool is used to evaluate environmental risks in each pilot. The local special requirements will be mapped in each country (occurred accidents and damages for environment and health as well as risk analysis). The mapping of requirements is done by literal research and by interviewing environmental authorities as well as operators and managers of pilots. The mapped requirements and the tool functionality are compared to each other. The local requirements are sent to the service provider off SSP to be uploaded to the tool. The tool recommends actions and provides follow-up tools for action. It consists of visual tool for representing all processes from wastewater treatment to wastewater discharge, a list of risk evaluation questions for each of these processes, and suggestions for methods to lower the emerging risks.

2.3.3. GIS analyses of the potential nutrients reductions in studied touristic regions (IMP PAN).
The same methodology as in A1.1.1 will be used, however referred not to seasonality affected touristic areas but to (1) potential effects of pilots implementations on nutrients reduction and (2) nutrient reduction potentials in other areas after possible replication of pilot solutions.

Inputs from target groups: Main target group for this GoA are local authorities and their water utilities. Data necessary to perform the Environmental impact assessment using LCA will be provided from 6 pilots located in different countries.
Transnational settings: Results will be disseminated among different stakeholders internationally.

2,998 / 3,000 characters

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

D 2.3

Title of the deliverable

Environmental and risk assessment report

40 / 100 characters

Description of the deliverable

The report will include:
- LCA analyses: Upstream and downstream consequences of decisions will be taken into account to help avoid the shifting of burdens from one environmental impact category to another of a pilot solution, from one country to another, or from one life cycle stage to another. The cooperation with the target groups and the validation of the effectiveness of the solutions in pilots and their influences on the overall environmental performance and sustainability will be emphasized. Also they will be compared with traditional approaches as well to make these solutions transferable. The report will be a joint work performed strongly cooperating with the staff in pilots and project partners.
- Risk analysis: The SSP- tool is web-based programme which is available for partners use. The risk management in pilot sites will be led by the partners who have knowledge and experience about use and methodology of the SSP-tool as well as risk management principles. The risk management team will consist of operators, managers, and local authorities. The pilots will obtain the risk management action plans for the following years and summary of risk evaluations will be published in the report.
- GIS mapping: maps of (1) potential effects of pilots implementations on nutrients reduction and (2) nutrient reduction potentials in other areas after possible replication of pilot solutions.

1,407 / 2,000 characters

Which output does this deliverable contribute to?

Output (Solution) 2, meets project objective 2. Deliverable fits into O.2.2 Good Practice Report

96 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Environmental and risk assessment						
D.2.3: Environmental and risk assessment report						

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 17 - EUCC - The Coastal Union Germany

A 2.4

5.6.2 Title of the group of activities

Peer review of pilot solutions

31 / 100 characters

5.6.3 Description of the group of activities

A.2.4.1. Peer review development workshop (at mid term meeting in LV) (CIDO)
A.2.4.2. Creation of peer review documentation, incl. questionnaire and feedback template (KATA)
A.2.4.3. Conduct of peer review sessions (possibly PL, FI, DK, LV) held back to back with PP meetings (AAU)
A.2.4.4. Compiling of documentation and report writing (EUCC-D)

The peer review process is designed to assess the validity, quality and potential sustainability of the pilot investments being prepared in WP1 and implemented in WP2. The ultimate purpose is to improve the integrity of the project's work, reduce future investment risks and generally increase the value of the project's outputs for the target audience, namely local authorities. In total two peer review sessions will be held back to back with partner meetings with each session focusing on pilot investments. The NURSECOAST-II partner network (including AOs) and appropriate external experts (invited on recommendation by pilot leads who know their field and technology) will take part in the peer review sessions. The format for the peer review sessions will be discussed and agreed upon by the partnership, but it is envisaged to include the following:
- Pilot leads present their investment (with site visit if appropriate & feasible) with the main focus being on the agreed peer review evaluation aspects.
- Questions & answers
- Structured discussion with protocol
- Short questionnaire completed by all session participants

In preparation, PP9 CIDO will disseminate a draft framework for the peer review process in a timely fashion to all partners. The framework will be discussed jointly on a transnational (all partner) level at the mid-term meeting and the final version agreed upon by the consortium. The framework includes a timeline, session(s) format, roles & responsibilities, and the specific aspects on which feedback will be given and on which the questionnaire is based. The specific aspects will fall under three main categories:
- Sustainability of pilot investments: Socio-economic impacts, risks, long term potential and the extent to which technologies meets local/regional needs
- Transferability of pilot investments: The possibilities of uptake of technologies for different management scenarios/conditions, incl. the process of creating and replicating each pilot elsewhere.
- Stakeholder involvement: Input, engagement and governance during each stage: planning, design, implementation and evaluation of investment.
The work in this GoA reinforces the project's overall co-design process and fosters transnational cooperation. PP6 AAU will conduct and moderate the peer review sessions.

2,665 / 3,000 characters

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

D 2.4

Title of the deliverable

Peer review findings with recommendations for WWT investments at BSR tourist destinations

89 / 100 characters

Description of the deliverable

The report serves as an intermediate step & internal report. It offers expert opinion and feedback on the project's pilot investments in terms of sustainability, transferability and stakeholder involvement. It will include an overview of the peer review process, the specific aspects that have been evaluated, followed by a chapter dedicated to the evaluation of each pilot investment and results of the questionnaire / peer review discussions. All information and opinions will be presented in a coherent manner, accurately referenced & timely disseminated to the project network. The document transcends national borders containing expert opinions from each partner country on all pilots. The report has a threefold purpose:
1. To act as a feedback mechanism which helps improve the project work, specifically the pilots' development, and ultimately the uptake of project outputs by local authorities
2. To coherently compile expert opinions about each pilot that need to be taken into account when partners discuss waste water treatment improvement options with local authorities at rural tourist destinations. This will be a valuable tool for the partners as they open up dialogues with municipality representatives & waste water treatment authorities.
3. To help fill the gap in local authority knowledge about some of the obstacles and challenges associated with each investment (via main outputs) and to make sure that lessons can be learnt and implemented by follower municipalities.
4. To evaluate the first choice of initial methods and technologies to tackle local wastewater problems in each pilot location. This would also allow cross-exchange of other pilots methods that could be adapted/ reused elsewhere.

1,722 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O2.2 Good Practice Report, O3.1 Awareness Campaign

72 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Peer review of pilot solutions						
D.2.4: Peer review findings with recommendations for WWT investments at BSR tourist destinations						

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 8 - Stockholm Environment Institute Tallinn Centre (SEI Tallinn)
Work package leader 2	PP 9 - NGO Cidonya

5.4 Work package budget

Work package budget	25%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. Direct involvement in: Kick-off meeting in FI, Mid-term workshop in LV, Final conference in PL A3.1.8 LPDE – Local pilot dissemination events for local authorities (follower communities), policy makers, companies and other interested practitioners. A3.1.9 Awareness raising campaign focused on target groups A3.3.3 Promotion networking and exchange at relevent transnational conferences / events 960 / 1,000 characters
2	Regional public authority Near-coast regions of Poland (Western Pomerania, Pomerania), Germany (Mecklenburg-Vorpommern, Schlezwig Holstein), Finland (west and south coasts), Sweden (south and east coasts). Whole countries like Denmark, Lithuania, Latvia, Estonia due to close proximity to the coast. 273 / 500 characters	Already reached by 3 partnering near-coast touristic municipalties (Smołdzino PL, Inga FI, Soderhamn SE), 3000 members from KATA, 7 associated municipalities, 38 local public authorities from PL, SE (Kalmar, Blekinge, Skane regions), LT (Klaipeda region) thanks to Euroregion Baltic network, 60 LT municipalties thanks to AO ALAL, 14 000 members, e.g. from WWTPs, municipalities, universities thanks to the AO 5 (German Association for Water, Wastewater and Waste - North-East), via the DWA-branch and its large network, regional workshops & direct communication. Direct involvement in: A3.1.8 LPDE – Local pilot dissemination events for local authorities (follower communities), policy makers, companies and other interested practitioners. A3.1.9 Awareness raising campaign focused on target groups A3.3.1 The compilation and dissemination of evidence-based policy recommendations - creation of policy brief A3.3.3 Promotion networking and exchange at relevent transnational conferences / events 997 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	**Communication & Dissemination**
3.2	**Barriers & Incentives for business**
3.3	**Exchange and cross project cooperation for regional development**

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 16 - Association of Polish Communes Euroregion Baltic

A 3.1

5.6.2 Title of the group of activities

Communication & Dissemination

29 / 100 characters

5.6.3 Description of the group of activities

On top of the national dissemination campaigns, which will be the main means to promote an uptake of water treatment solutions by further local authorities and water companies, the project will initiate a broad international dialogue on the subject in the Baltic Sea Region. In this way, both further inspirations for the project work shall be collected (e.g. from related national initiatives) and the outreach of the dissemination activities should be further extended. Also the dialogue with regional & national authorities will be further enhanced by this.

Analogue to the approach of the national campaigns, also with regard to the international dialogue, it is intended to utilise existing networks, events and communication channels (e.g. EUSBSR, Helcom, UBC, BSSSC, thematically related projects) as much as possible. This is to reach out to a broad range of countries and actors, and to add own events on top of them in targeted ways.

For initiating a broad international dialogue on water treatment in the Baltic Sea Region, the project will:
- Take part in relevant BSR events dealing with water management (“door-to-door” selling approach)
- Organise own international conferences & roundtables on water treatment in the Baltic Sea Region & the EU
- Invite outside parties to the half-annual partner workshops on water reuse, where appropriate

Activities include:
A.3.1.1. Project communication strategy and plan (IMP PAN)
A.3.1.2. Kick-off meeting in FI (LUKE)
A.3.1.3. Mid-term workshop in LV (CIDO)
A.3.1.4. Final conference in PL (IMP PAN)
A.3.1.6. Development and promotion of project materials, incl. posters, rollups, broshures (KATA)
A.3.1.7. Compiling & development of e-campaign for awareness raising (SYKLI)
A.3.1.8. LPDE – Local pilot dissemination events for local authorities (follower communities), policy makers, companies and other interested practitioners (ERB)
A.3.1.9. Awareness raising campaign focused on target groups (ERB)
A.3.1.10. Compilation of 'social reward' indicators from the pilot investments and project findings.

- Drafting of an international dissemination plan that will be continuously updated
- 3-5 Presentations of the project at the EUSBSR Annual Forums and other relevant events related to the EUSBSR
- Regular exchange meetings with PA Nutri representatives
- 3 international conferences of water reuse in the BSR (= opening / midterm / closing conference, back-to-back with the “Water Forums”)
- 1 set of promotional films
- Min 5. presentations at further BSR events on water management issues (e.g. Helcom events, events organised by the Interreg BSR Programme – if desired, seminars & conferences of thematically related Interreg projects)
- Inviting outside parties eg. similar water oriented projects (eg. WATERMAN) to the inspirational sessions on water challenges (hybrid events / face-to-face or online participation possible)
- Publishing of project results at available exchange platforms on water management in the BSR

2,993 / 3,000 characters

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

D 3.1

Title of the deliverable

Local and International dissemination campaign towards relevant stakeholders in the BSR

87 / 100 characters

Description of the deliverable

The domestic campaigns are the main means for disseminating the project results to the target groups (local authorities, water companies, regional & national authorities). They will combine the presentation of project results at external events & media with targeted own events organised by the project.
In each country, one of the project partner coordinates the activities in collaboration with relevant network organisations that agreed to support (> project partners or AOs). The international dissemination campaigns will add on top of the national campaigns and further broaden the dialogue on water treatment in the BSR. It will combine the presentation of project results at local and external BSR events & information resources targeted down events organised by the project. The main focus of the activities will thereby be to advertise and promote the results of the project. Also the easy-to-understand PR tools will be utilised in this context.
Coordinated by ERB, all project partners will contribute to the dissemination activities (e.g. by own presentations, by providing inputs from its local work). Basis for the activities will be an international dissemination plan, which will be jointly elaborated. It will define, inter alia:
> which events or meeting may be visited at which point
> which messages may be communicated at them and which tools (e.g. movies) will be used for that
> which form of dialogue will be chosen (dedicated workshop session, presentation, booth etc.)
> who will visit the events and who will provide inputs to the presentations
> which media will be used to publish information about project results
The effects of the dissemination activities will be constantly reviewed and the dissemination plan updated with reference to the findings. Besides local authorities and water companies from outside the partnership, regional and national authorities as well as pan-Baltic multipliers will be in the focus of the international dissemination activities.

1,996 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O3.1 Local and International dissemination campaign

73 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Communication & Dissemination						
D.3.1: Local and International dissemination campaign towards relevant stakeholders in the BSR						

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 9 - NGO Cidonya

A 3.2

5.6.2 Title of the group of activities

Barriers & Incentives for business

34 / 100 characters

5.6.3 Description of the group of activities

A3.2.1. Identification of investor priorities and the development of transferable investors guidelines for BSR sites (CIDO)
Investing municipalities or touristic objects always would like to make it at low cost, however ecological not always means economical. In this case both environment and touristic attractiveness are in line, meaning when investor notices the advantage of touristic attractiveness, he shall also support the obligatory water bodies protection measures. This guidelines will encourage investors to make the change in the places where long-term waters could be endangered, thus reducing the touristic attractiveness.

A3.2.2. Creation of a technology suppliers / companies database for municipalities to foster WWTP investments (IMP PAN)
The database will include:
- environmental aspects/ benefits,
- available technological equipment,
- cost-to-benefit ratio, return if investment ROI, net present value NPV

A3.2.3. Identification and sharing of links to business innovation funding (each PP per country)
Target groups as potential investors will receive the road map on potential national and international funding and subsidies programmes.

A3.2.4. Transnational business link event (ERB)
An intenrnational on-line event like match-making will be organised for at least 20 investors matched with 20 technology providers.

The aim is to implement the mindset of seasonal wastewater problems as a trigger fostering the business innovation. New solutions and technologies should be developed, commercialized and marketed. Wastewater is part of the solution, creating jobs, new products, new innovations and thereby economic growth and rural development in SME.

1,684 / 3,000 characters

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

D 3.2

Title of the deliverable

“Business Models Hub” aimed at professionals and decision makers ("Investors tutorial")

87 / 100 characters

Description of the deliverable

Using the data of partner countries obtained and compiled during the project and the experience of pilot projects, proposals will be prepared to improve the situation in areas with a small but significant seasonal impact of tourism on wastewater pollution. Particular emphasis will be placed on finding a solution in areas where waste water treatment plants that do not provide adequate treatment or services are not in place. By creating the proposed solution and performing its approbation during the project, its implementation elsewhere after the completion of the project, will ensure the solution of the problem and the reduction of the pollution load or its absence at all. Possible types of solutions will be highlighted and discussed during the mid-term workshop of the project, which will be organized in Latvia and will summarize the results obtained in the project so far.

When determining the choice of the solution in "Business Models Hub", both the environmental aspects and the available technological equipment will be taken into account, as well as the amount of costs, which is of significant importance in small tourist facilities. Depending on the location, the legal framework governing output will be identified. If wastewater is not discharged into the environment on site, the most efficient logistics solution will be sought to ensure adequate wastewater treatment in the immediate area. The proposed solutions will respond both to the existing operators of tourism facilities (private or public) and will be a message to the owners of new facilities, promoting the development of responsible tourism in the Baltic Sea Region.

The tutorial will include:
1. Investors guidelines
2. Technology suppliers database
3. Incentives for business funding and public aid programmes

1,799 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O3.3 Policy Guidelines

44 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: Barriers & Incentives for business						
D.3.2: “Business Models Hub” aimed at professionals and decision makers ("Investors tutorial")						

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 17 - EUCC - The Coastal Union Germany

A 3.3

5.6.2 Title of the group of activities

Exchange and cross project cooperation for regional development

63 / 100 characters

5.6.3 Description of the group of activities

This GoA includes activities for transnational exchange and networking, plus work to describe the NURSECOAST-II findings within an international context. All project partners are responsible for identifying areas of common ground with other EU and nationally funded initiatives and should be proactive and open to opportunities for coordination of work between different international consortiums / forums. All partners will attend relevant national and transnational events to deepen collaborative efforts and promote NURSECOAST-II work to an international audience. Led by the EUCC-D, all partners will provide feedback on any transnational activities at the project partner meetings. ERB and LP will use this information as a basis for organising the transnational event (GoA 3.2), inviting stakeholders to project meetings and the final conference. Over the course of the project's lifetime, EUCC-D will also gather necessary information to explain how the project's pilot findings / outputs fit within the context of international strategies, transnational policies, targets and horizontal priorities. This important work will help tailor and target dissemination/ communication activities within all WP3 activities and provide a springboard for further project development in the future. All findings will be compiled and presented in a policy document.

A.3.3.1. The compilation and dissemination of evidence-based policy recommendations - creation of policy brief (EUCC-D)
A.3.3.2. Cross project exchange / cooperation (KATA)
A.3.3.3. Promotion networking and exchange at relevent transnational conferences / events (SEI)
A.3.3.4. Putting project outputs in the perspective of national and international strategies, targets and horizontal actions (EUCC-D)

1,764 / 3,000 characters

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

D 3.3

Title of the deliverable

Policy guidelines for waste water treatment at Baltic Sea Region tourist destinations

85 / 100 characters

Description of the deliverable

This output is intended to help local policy makers and practitioners make informed decisions to improve wastewater treatment in tourist destinations. The document builds awareness and knowledge on the importance of improving wastewater treatment at tourist sites within the context of international policy and targets. The report document includes sections on the international scope of the NURSECOAST II, how transnational cooperation is working to improve smaller wastewater treatment investments, the potential and accumulated effect of improving small treatment plants to meet international targets, plus policy recommendations at state level (for national policy instruments), county or municipal levels. The document, which is written in plain language (avoiding technical / legal terms) offers general guidance for local level investments whilst recognising regulatory baseline conditions (input from GoA 2.3 setting the framework).
The output is aimed at national and county level policy makers, plus local authorities responsible for investment decisions. The output has four purposes:
- To encourage local authorities to review their position on wastewater treatment in rural tourist areas
- To make NURSECOAST-II findings (in an international context) accessible to non-technical readers and more readily transferable
- To assist in the choice of appropriate water treatment policy in the specific contexts of different tourist destination types, e.g., beach and archipelago destinations.
- To aid and facilitate the uptake of NURSECOAST-II findings by integrating relevant issues required for planning and policy development

1,639 / 2,000 characters

Which output does this deliverable contribute to?

Deliverable fits into O3.1 Local and International dissemination campaign

73 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.3: Exchange and cross project cooperation for regional development						
D.3.3: Policy guidelines for waste water treatment at Baltic Sea Region tourist destinations						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

6. Indicators

Indicators

Output indicators				Result indicators		
Output indicators	**Total target value in number**	**Project outputs**	**Please explain how the solution presented in this output serves the target group(s).**	**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.**
RCO 84 – Pilot actions developed jointly and implemented in projects	6	N/A	N/A	**RCR 104 - Solutions taken up or up-scaled by organisations**	N/A	Key target groups - in total 10 local public authorities (3 as partners and 7 as AOs), supplemented by other bodies recruited and invited via wide network of AOs will take up 3 identified solutions 1 Requirements & methods for minimizing local wastewater accumulation, 2 Best available strategies for reduction of nutrients leaching from near-coast touristic areas, 3 Technology catalogue for seasonality-adapted wastewater solutions, across all WPs, namely by rirect target groups involvement in the project: WP1: GoA 1.4 A1.4.1 Joint development of the co-design process for transnational exchange of ideas and learning A1.4.2 Co-creation Workshops and study visits (CWSV) WP2: GoA 2.4 A2.4.1 Peer review development workshop (at mid term meeting LV) A2.4.2 Creation of peer review documentation, incl. questionnaire and feedback template A2.4.3 Conduct of 3 peer review sessions (possibly PL, FI, DK, LV, SE) held back to back with PP meetings WP3: GoA 3.1 and GoA 3.3 A3.1.2 Kick-off meeting in FI A3.1.3 Mid-term workshop in LV A3.1.4 Final conference in PL A3.1.7 Compiling & development of e-campaign for awareness raising A3.1.8 LPDE – Local pilot dissemination events for local authorities (follower communities), policy makers, companies and other interested practitioners. A3.1.9 Awareness raising campaign focused on target groups A3.3.1 The compilation and dissemination of evidence-based policy recommendations - creation of policy brief A3.3.2 Cross project exchange / cooperation A3.3.3 Promotion networking and exchange at relevent transnational conferences / events A3.3.4 Putting project outputs in the perspective of national and international strategies, targets and horizontal actions 1,711 / 2,000 characters
RCO 116 – Jointly developed solutions	N/A					

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	42			Project partners and associated organisations	Increasing the institutional capacity of the Project Partners: 5 Research organisations (PL, DK, LT, EE, FI) by stimulating novel approaches when dealing with challenging pilot support activities, 2 NGOs (LV, FI) by capacity building in tackling new environmental problems 1 NGO/ touristic object (PL) by direct benefits from implemented pilot solution 1 education organisation (FI) by capacity building and aquiring a new risk management knowledge, 1 SME (DK) by stimulating novel technology development when dealing with challenging pilot investment activities, 2 Associations (DE, PL) by capacity building and networking in wastewater and tourists sectors 3 near-coast municipalities with real-scale problems (SE, FI, PL) by direct benefits from implemented pilot solution 2 public water utilities (LT, DK) by direct benefits from implemented pilot solution Having >20 AOs on board makes the NURSECOAST-II project very rich in terms of impact and further replication. They were not only from the near-coast, but also from lake areas of the Baltic Sea Region. Among others, we managed to attract 9 NGOs and 7 new local public authorities, 2 infrastructure and public service providers, 1 business support organisation, 2 sectoral agencies, 1 research unit and 2 interest groups. Their growth in institutional capacity will be related to the very fast access to project results what will make them first implementators of the knowledge and/ or project solutions. 1,464 / 1,500 characters
		PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders	10		

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.	
		Other organisations	Other organisations such as touristic objects (mainly private), other NGOs, water/ wastewater associations, other local public authorities, unions of communes and municipalities will be reached in each NURSECOAST-II country by the following activities : - Identification of relevant third party events and communication channels for disseminating project results - Drafting a detailed dialogue & communication plan that will be continuously updated and may define, e.g.: --- which events may be visited --- which messages may be communicated at them and which tools (e.g. movies) will be used --- which form of dialogue will be chosen (dedicated workshop session, presentation, etc.) --- who will visit the events --- when and to which media articles will be contributed - Participation in the events according to the plan (min. 5 presentations at external events per country) - Drafting of articles about the project for the identified media, further accompanying PR work - Organisation of study visits & demonstrations (real-world or virtual) that introduce the (domestic) pilot sites (min. 1 per pilot measure or country) The growth in institutional capacity will be by: - stimulating novel approaches and technologies when dealing with challenging similar pilot support activities, - capacity building in tackling new environmental problems and networking in wastewater/ tourists sectors - direct benefits from implemented similar pilot solutions 1,456 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

Would you like to apply for reimbursement of the preparation costs?	No

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

No. & role	Partner name	Partner status	CAT1 - Staff	CAT2 - Office & administration	CAT3 - Travel & accommodation
1 - LP	The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)	Active 22/09/2022	351,644.44	52,746.67	52,746.67
2 - PP	Kaunas University of Technology (KTU)	Active 22/09/2022	111,943.33	16,791.50	16,791.50
3 - PP	Natural Resources Institute Finland (LUKE)	Active 22/09/2022	376,680.00	56,502.00	56,502.00
4 - PP	SYKLI Environmental School of Finland (SYKLI)	Active 22/09/2022	141,900.00	21,285.00	21,285.00
5 - PP	Keep the Archipelago Tidy Association (KATA)	Active 22/09/2022	103,200.00	15,480.00	15,480.00
6 - PP	Aalborg Univesity (AAU)	Active 22/09/2022	245,744.00	36,861.60	36,861.60
7 - PP	The Bogdan Janski Bure Misie Community Foundation (BMCF)	Active 22/09/2022	45,373.48	6,806.02	6,806.02
8 - PP	Stockholm Environment Institute Tallinn Centre (SEI Tallinn)	Active 22/09/2022	148,600.83	22,290.12	22,290.12
9 - PP	NGO Cidonya	Active 22/09/2022	184,040.00	27,606.00	27,606.00
10 - PP	Municipality of Söderhamn	Active 22/09/2022	241,508.00	36,226.20	36,226.20
11 - PP	Municipality of Ingå	Active 22/09/2022	30,769.23	4,615.38	4,615.38
12 - PP	Municipality of Smoldzino	Active 22/09/2022	39,701.79	5,955.27	5,955.27
13 - PP	JSC Neringa water	Active 22/09/2022	34,686.67	5,203.00	5,203.00
14 - PP	Kilian Water	Active 22/09/2022	29,342.60	4,401.39	4,401.39
15 - PP	NK forsyning	Active 22/09/2022	29,342.60	4,401.39	4,401.39
16 - PP	Association of Polish Communes Euroregion Baltic	Active 22/09/2022	124,926.32	18,738.95	18,738.95
Total			2,404,523.29	360,678.49	360,678.49

No. & role	Partner name	Partner status	CAT1 - Staff	CAT2 - Office & administration	CAT3 - Travel & accommodation
17 - PP	EUCC - The Coastal Union Germany	Active 22/09/2022	165,120.00	24,768.00	24,768.00
Total			2,404,523.29	360,678.49	360,678.49

No. & role	Partner name	CAT4 - External expertise & services	CAT5 - Equipment	CAT6 - Infrastucture & works	Total partner budget
1 - LP	The Szewalski Institute of	42,000.00	39,000.00	0.00	538,137.78
2 - PP	Kaunas University of Tec	6,000.00	14,000.00	0.00	165,526.33
3 - PP	Natural Resources Institu	0.00	0.00	0.00	489,684.00
4 - PP	SYKLI Environmental Sch	11,000.00	0.00	0.00	195,470.00
5 - PP	Keep the Archipelago Tid	27,000.00	0.00	0.00	161,160.00
6 - PP	Aalborg Univesity (AAU)	4,000.00	10,000.00	0.00	333,467.20
7 - PP	The Bogdan Janski Bure	30,000.00	103,000.00	89,000.00	280,985.52
8 - PP	Stockholm Environment I	80,000.00	0.00	0.00	273,181.07
9 - PP	NGO Cidonya	114,000.00	62,200.00	0.00	415,452.00
10 - PP	Municipality of Söderham	13,250.00	0.00	0.00	327,210.40
11 - PP	Municipality of Ingå	0.00	120,000.00	90,000.00	249,999.99
12 - PP	Municipality of Smoldzino	0.00	5,000.00	145,000.00	201,612.33
13 - PP	JSC Neringa water	8,000.00	0.00	99,000.00	152,092.67
14 - PP	Kilian Water	0.00	4,500.00	25,000.00	67,645.38
15 - PP	NK forsyning	25,000.00	0.00	55,000.00	118,145.38
16 - PP	Association of Polish Co	46,850.00	1,500.00	0.00	210,754.22
17 - PP	EUCC - The Coastal Unio	23,000.00	3,000.00	0.00	240,656.00
Total		430,100.00	362,200.00	503,000.00	4,421,180.27

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
16. Association of	Specialist support	CAT4-PP16-E-	A1.4.1 - design knowledge exchange scenarios, moderators fees and their travel and accommodation (96 / 100 characters)	No	1.4	5,000.00
16. Association of	Events/meetings	CAT4-PP16-A-	A1.4.2 - catering, room rent, accomodation, fees, promotion on media and social media, translation) (99 / 100 characters)	No	1.4	4,000.00
16. Association of	Events/meetings	CAT4-PP16-A-	A1.4.2 -External services during Awerness raising campaign incl. promotion, gadgets, experts fees (97 / 100 characters)	No	1.4	3,000.00
16. Association of	Specialist support	CAT4-PP16-E-	A1.4.2 -moderator, experts and specialists travel, tools, promotion and information materials (93 / 100 characters)	No	1.4	4,400.00
16. Association of	Specialist support	CAT4-PP16-E-	A1.4.3 - desk research,obtaining data and the required information, survey, translations, graphic (99 / 100 characters)	No	1.4	5,600.00
1. The Szewalski In	Other	CAT4-PP1-G-0	A2.1.4 costs of assembly for fertiliser & cultivation studies (pipes, valves, containers, pumps) (96 / 100 characters)	No	2.1	2,000.00
1. The Szewalski In	Other	CAT4-PP1-G-0	A2.4.1 external orders - additional analyzes, e.g. heavy metals analysis in water/wastewater (92 / 100 characters)	No	2.1	2,000.00
1. The Szewalski In	Other	CAT4-PP1-G-0	A2.4.4. external orders - analysis of sugars in treated substrates (66 / 100 characters)	No	2.1	3,000.00
16. Association of	Communication	CAT4-PP16-C-	A3.1.6 - costs of promotion materials and gadgets (49 / 100 characters)	No	3.1	2,850.00
16. Association of	Events/meetings	CAT4-PP16-A-	A3.1.7 - costs of event promotion services, layout, print, dissemination, translation (85 / 100 characters)	No	3.1	2,000.00
	Total					430,100.00

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
16. Association of	Specialist support	CAT4-PP16-E-	A3.1.7 - moderator, experts and specialists fees, guests costs, tools, information materials 92 / 100 characters	No	3.1	3,000.00	
16. Association of	Events/meetings	CAT4-PP16-A-	A3.1.7 - support for local task leader and workshops (catering, room rent, moderator) 86 / 100 characters	No	3.1	3,000.00	
16. Association of	Specialist support	CAT4-PP16-E-	A3.1.7 - travel and accomodation costs of invited guests 56 / 100 characters	No	3.1	2,500.00	
16. Association of	Events/meetings	CAT4-PP16-A-	A3.1.8 - External services during Awerness raising campaign incl. promotion, gadgets, experts fees 98 / 100 characters	No	3.1	4,000.00	
16. Association of	Specialist support	CAT4-PP16-E-	A3.1.9 - Intellectual output, text development and editing, graphic design, material dessimination 98 / 100 characters	No	3.1	2,000.00	
16. Association of	Communication	CAT4-PP16-C-	A3.1.9 - Investigation and desk research, obtaining data and the required information, survey 94 / 100 characters	No	3.1	1,500.00	
16. Association of	Communication	CAT4-PP16-C-	A3.2.5 - catering, room rent, accomodation, fees, promotion on media and social media, translation) 99 / 100 characters	No	3.2	1,500.00	
16. Association of	Events/meetings	CAT4-PP16-A-	A3.2.5 - moderator, experts and specialists fees, tools, promotion and information materials 92 / 100 characters	No	3.2	2,500.00	
17. EUCC - The Co	Specialist support	CAT4-PP17-E-	Costs for external GIS expert 29 / 100 characters	No	1.1	5,000.00	
8. Stockholm Enviro	Specialist support	CAT4-PP8-E-2	Costs for external expert (engineer) 37 / 100 characters	No	2.1	75,000.00	
	Total					430,100.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
17. EUCC - The Co	Communication	CAT4-PP17-C-	Costs for layout, print, dissemination, translation 51 / 100 characters	No	1.2	6,000.00	
17. EUCC - The Co	Events/meetings	CAT4-PP17-A-	Costs for workshops (catering, room rent, moderator, translation) 65 / 100 characters	No	1.3	7,500.00	
5. Keep the Archipe	Communication	CAT4-PP5-C-2	Development and maintenance of web page 41 / 100 characters	No	3.1	15,000.00	
5. Keep the Archipe	Communication	CAT4-PP5-C-2	Development of project layout and promotional materials: Roll-ups, broschures, posters 86 / 100 characters	No	3.1	12,000.00	
17. EUCC - The Co	National control	CAT4-PP17-F-	FLC costs 9 / 100 characters	No	N/A	4,500.00	
2. Kaunas Universit	National control	CAT4-PP2-F-2	First level control costs 25 / 100 characters	No	2.2	6,000.00	
8. Stockholm Enviro	Other	CAT4-PP8-G-2	Participation in events (e.g. regsitration fees) 48 / 100 characters	No	3.3	2,000.00	
15. NK forsyning	Specialist support	CAT4-PP15-E-	SRO at Vallensved WWTP installation and equipment 49 / 100 characters	No	2.2	25,000.00	
8. Stockholm Enviro	Events/meetings	CAT4-PP8-A-2	Travel and accommodation costs of external expert 49 / 100 characters	No	3.1	3,000.00	
7. The Bogdan Jan	Specialist support	CAT4-PP7-E-3	Design of the installation 26 / 100 characters	Yes	I2.2_5	21,000.00	
7. The Bogdan Jan	Specialist support	CAT4-PP7-E-3	Hydromechanical and technological start-up of the system 56 / 100 characters	Yes	I2.2_5	5,000.00	
7. The Bogdan Jan	Specialist support	CAT4-PP7-E-3	Testing the quality of treated wastewater 41 / 100 characters	Yes	I2.2_5	4,000.00	
10. Municipality of	Specialist support	CAT4-PP10-E-	Cost for external expert 24 / 100 characters	No	1.2 1.3 1.4	6,000.00	
	Total					430,100.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
10. Municipality of	Events/meetings	CAT4-PP10-A-	Travel and accomodation cost externa expert 43 / 100 characters	No	3.1	2,250.00	
10. Municipality of	Communication	CAT4-PP10-C-	Roll up, materials printables 29 / 100 characters	No	3.1	1,000.00	
9. NGO Cidonya	Specialist support	CAT4-PP9-E-3	A.1.1.5 Costs for external experts, analyses, local travel, materials, obtaining data 85 / 100 characters	No	1.1	35,000.00	
9. NGO Cidonya	Events/meetings	CAT4-PP9-A-3	A2.4.1&A3.1.3 costs for organizing mid term workshop (travel, moderator, translation, materials etc) 100 / 100 characters	No	2.4 3.1	29,500.00	
9. NGO Cidonya	Communication	CAT4-PP9-C-3	A3.2.1&A3.3.4 costs for external experts, materials, preparation costs 70 / 100 characters	No	3.2 3.3	49,500.00	
13. JSC Neringa w	Other	CAT4-PP13-G-	A.1.2.1 costs for external services (lab measurements) 54 / 100 characters	No	1.2	2,000.00	
13. JSC Neringa w	Specialist support	CAT4-PP13-E-	A.2.2.1 costs for the external expert travels 45 / 100 characters	No	2.1	6,000.00	
1. The Szewalski In	Specialist support	CAT4-PP1-E-4	A1.1.1 & A2.3.3 costs for external GIS experts 48 / 100 characters	No	1.1 2.3	20,000.00	
1. The Szewalski In	Specialist support	CAT4-PP1-E-4	A1.4.2 Experts invitation to Co-creation Workshops and study visits (CWSV) in Poland 84 / 100 characters	No	1.4	4,000.00	
1. The Szewalski In	Events/meetings	CAT4-PP1-A-4	A3.1.4 Final conference in PL costs: translation, experts, materials, promotion 79 / 100 characters	No	3.1	8,000.00	
1. The Szewalski In	Specialist support	CAT4-PP1-E-4	A3.2.2 Trade/ business expert involvement in creation of a technology suppliers/ companies database 99 / 100 characters	No	3.2	3,000.00	
	Total					430,100.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
4. SYKLI Environm	IT	CAT4-PP4-B-4	A2.3.2 Accessing the risk assessment IT Impact tool to demonstrate the nutrient reduction potential 99 / 100 characters	No	2.3	7,000.00	
4. SYKLI Environm	Specialist support	CAT4-PP4-E-4	A1.4.2 Experts invitation to Co-creation Workshops and study visits (CWSV) in Finland 85 / 100 characters	No	1.4	4,000.00	
6. Aalborg Univesity	Specialist support	CAT4-PP6-E-4	A1.4.2 Experts invitation to Co-creation Workshops and study visits (CWSV) in Denmark 85 / 100 characters	No	1.4	4,000.00	
10. Municipality of	Specialist support	CAT4-PP10-E-	A1.4.2 Experts invitation to Co-creation Workshops and study visits (CWSV) in Sweden 84 / 100 characters	No	1.4	4,000.00	
	Total					430,100.00	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
	Total					362,200.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
11. Municipality of I	Other specific equip	CAT5-PP11-H-	Gray Water filtering system with dual-piping system, pump station and water saving equipments. 95 / 100 characters	Yes	I2.2_2	120,000.00	
17. EUCC - The Co	IT hardware and soft	CAT5-PP17-B-	Work station and programmes 27 / 100 characters	No	1.1	3,000.00	
16. Association of	IT hardware and soft	CAT5-PP16-B-	Laptop with software and hardware, including tools (i.e. headphones) 68 / 100 characters	No	N/A	1,500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-0	A2.4.1 basic characterization of water samples - containers for transporting, sampling devices 94 / 100 characters	No	2.1	500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-0	A2.4.1 wastewater / water samples COD analysis - COD reagents. 63 / 100 characters	No	2.1	1,000.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-0	A2.4.1 Kjeldahl nitrogen analysis – reagents for digestion, reagents for N analysis 83 / 100 characters	No	2.1	1,500.00	
1. The Szewalski In	Machines and instru	CAT5-PP1-E-0	A2.4.1 laboratory equipment, consumables - water demineralizer filters, beakers, pipettes, gloves 97 / 100 characters	No	2.1	1,500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-0	A2.4.4 biomethane potential tests of organic substrates and plants generated in the treatment plant 99 / 100 characters	No	2.1	500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-0	A2.4.4 reagents for the pretreatment and conversion of cellulose to simple sugars 81 / 100 characters	No	2.1	2,000.00	
1. The Szewalski In	Tools or devices	CAT5-PP1-F-1	A2.4.4 minor tools/ devices: water demineralizer filters, beakers, pipettes, gloves, pH electrodes 98 / 100 characters	No	2.1	1,500.00	
	Total					362,200.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-1	A2.5.2 basic characterization of water samples - containers for transporting, sampling devices 94 / 100 characters	No	2.1	500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-1	A2.5.2 wastewater / water samples COD analysis - COD reagents 62 / 100 characters	No	2.1	1,500.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-1	A2.5.2 Kjeldahl nitrogen analysis – reagents for digestion, reagents for N analysis 83 / 100 characters	No	2.1	1,000.00	
1. The Szewalski In	Tools or devices	CAT5-PP1-F-1	A2.5.2 minor tools/ devices - water demineralizer filters, beakers, pipettes, gloves, pH electrodes 99 / 100 characters	No	2.1	1,000.00	
1. The Szewalski In	Laboratory equipmen	CAT5-PP1-D-1	A2.5.2 fermentation reagents, reagents for the pretreatment and conversion of cellulose 87 / 100 characters	No	2.1	2,500.00	
1. The Szewalski In	Tools or devices	CAT5-PP1-F-1	A2.5.2 minor tools/ devices - water demineralizer filters, beakers, pipettes, gloves 84 / 100 characters	No	2.1	1,000.00	
1. The Szewalski In	Tools or devices	CAT5-PP1-F-1	A2.1.4 tools/ devices for fertiliser & cultivation studies (pipes, valves, containers, irrigation) 98 / 100 characters	No	2.1	5,000.00	
1. The Szewalski In	Machines and instru	CAT5-PP1-E-1	A2.1.5 sugar analysis instrument for assessment of harvested water plants potential for bioethanol 98 / 100 characters	No	2.1	16,000.00	
2. Kaunas Universit	IT hardware and soft	CAT5-PP2-B-1	A2.3.1 Environmental impact assessment using Life cycle methodology (PC, software, databases) 93 / 100 characters	No	2.3	14,000.00	
6. Aalborg Univesity	Laboratory equipmen	CAT5-PP6-D-2	A2.2.3 and 2.2.4 Hach Lange for COD, N and P analysis 54 / 100 characters	No	2.2 2.3	5,000.00	
	Total					362,200.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
6. Aalborg Univesity	Laboratory equipmen	CAT5-PP6-D-2	A2.2.3 Aerator / nano bubble generator 38 / 100 characters	No	2.2	2,000.00	
6. Aalborg Univesity	Laboratory equipmen	CAT5-PP6-D-2	A2.2.3 Chemical analysis of solid composition 45 / 100 characters	No	2.3	3,000.00	
14. Kilian Water	Laboratory equipmen	CAT5-PP14-D-	Chemical water analysis, analysis of wastewater and analysis of wetland soils 77 / 100 characters	No	1.2	4,500.00	
7. The Bogdan Jan	Other specific equip	CAT5-PP7-H-2	Control and metering system 27 / 100 characters	Yes	I2.2_5	12,000.00	
7. The Bogdan Jan	IT hardware and soft	CAT5-PP7-B-2	IT management system Bumerang Smart 35 / 100 characters	Yes	I2.2_5	31,000.00	
7. The Bogdan Jan	Other specific equip	CAT5-PP7-H-2	Installation of settlers with a technological system 52 / 100 characters	Yes	I2.2_5	11,000.00	
7. The Bogdan Jan	Other specific equip	CAT5-PP7-H-2	A system for filtration and disinfection of treated wastewater 62 / 100 characters	Yes	I2.2_5	31,000.00	
7. The Bogdan Jan	Other specific equip	CAT5-PP7-H-2	Pump system 11 / 100 characters	Yes	I2.2_5	18,000.00	
9. NGO Cidonya	Other specific equip	CAT5-PP9-H-2	A1.1.5 samples and equipment for making analyses 48 / 100 characters	No	1.1	28,000.00	
9. NGO Cidonya	Office equipment	CAT5-PP9-A-3	A2.4.1.&A3.1.3 materials needed for mid term workshop 53 / 100 characters	No	2.4 3.1	14,200.00	
9. NGO Cidonya	Other specific equip	CAT5-PP9-H-3	A3.2.1&A3.3.4 office equipment& materials for result visualisation 66 / 100 characters	No	3.2 3.3	20,000.00	
1. The Szewalski In	IT hardware and soft	CAT5-PP1-B-3	Portable computers for researchers 34 / 100 characters	No	N/A	2,000.00	
	Total					362,200.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
12. Municipality of	Furniture and fittings	CAT5-PP12-C-	Furniture and fittings for the project office 45 / 100 characters	No	1.1 1.2 1.4 2.2	2,000.00	
12. Municipality of	Office equipment	CAT5-PP12-A-	Office equipment (multi-functional device: scanner and printer) 63 / 100 characters	No	1.1 1.2 1.4 2.2	1,000.00	
12. Municipality of	IT hardware and soft	CAT5-PP12-B-	Portable computer for project staff 35 / 100 characters	No	1.1 1.2 1.4 2.2	2,000.00	
	Total					362,200.00	

7.1.3 Infrastructure and works

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
14. Kilian Water	Building material	CAT6-PP14-C-	Construction of wetland for test including aeration, pipes, pumps 65 / 100 characters	Yes	I2.2_4	25,000.00	
15. NK forsyning	Building material	CAT6-PP15-C-	Pumps, tanks and pipes used to build test setup to dose nano bubbles to biological tank 87 / 100 characters	Yes	I2.2_3	37,000.00	
15. NK forsyning	Building material	CAT6-PP15-C-	Nano bubble generator 21 / 100 characters	Yes	I2.2_3	18,000.00	
11. Municipality of I	Labour (related to co	CAT6-PP11-D-	Design and contracting of new wastewater solutions 50 / 100 characters	Yes	I2.2_2	90,000.00	
7. The Bogdan Jan	Labour (related to co	CAT6-PP7-D-0	Construction of a wetland deposit - labour 42 / 100 characters	Yes	I2.2_5	11,100.00	
	Total					503,000.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
7. The Bogdan Jan	Building material	CAT6-PP7-C-0	Construction of a wetland deposit - materials 45 / 100 characters	Yes	I2.2_5	28,400.00	
7. The Bogdan Jan	Labour (related to co	CAT6-PP7-D-0	Purified sewage retention reservoir - labour 44 / 100 characters	Yes	I2.2_5	14,100.00	
7. The Bogdan Jan	Building material	CAT6-PP7-C-0	Purified sewage retention reservoir - materials 47 / 100 characters	Yes	I2.2_5	35,400.00	
13. JSC Nerinqa w	Building material	CAT6-PP13-C-	Nanobubble gener., Techras backlush system, pump with approved particle sizing, compr., redox measur 100 / 100 characters	Yes	I2.2_1	99,000.00	
12. Municipality of	Labour (related to co	CAT6-PP12-D-	Construction of pre-rotating tank, a dual water plant bed, infrastructure, final settling tank 94 / 100 characters	Yes	I2.2_6	25,000.00	
12. Municipality of	Building material	CAT6-PP12-C-	Materials for pre-rotating tank, a dual water plant bed, infrastructure, final settling tank 92 / 100 characters	Yes	I2.2_6	95,000.00	
12. Municipality of	Labour (related to co	CAT6-PP12-D-	Construction of eco-friendly toilet with sanitary infrastructure at Surfcamp, Gardno Lake, PL 93 / 100 characters	Yes	I2.2_6	5,000.00	
12. Municipality of	Building material	CAT6-PP12-C-	Materials for eco-friendly toilet with sanitary infrastructure at Surfcamp, Gardno Lake, PL 91 / 100 characters	Yes	I2.2_6	20,000.00	
	Total					503,000.00	

7.1.4 Investment summary

Investment item no.	Investment title	Total planned value
I2.2_1	2.2.1 PILOT 1. Application of the new techbonloggy for enhanced phosphorus removal.	99,000.00
I2.2_2	2.2.2 PILOT 2. Dual plumbing system for grey waters to be treated on site.	210,000.00
I2.2_3	2.2.3 PILOT 3. Application of the nano-bubbles aeration with high utilization of oxygen	55,000.00
I2.2_4	2.2.4 PILOT 4. Application of improvemed water plant beds in reconstructed wetland.	25,000.00
I2.2_5	2.2.5 PILOT 5. Expansion, filtration, disinfection, irrigation, monitoring for treated wastewater.	222,000.00
I2.2_6	2.2.6 PILOT 6. Dual water plants bed system (horizontal/ vertical) close to Słowiński National Park	145,000.00

Investment no. I2.2_1 - 2.2.1 PILOT 1. Application of the new techbonloggy for enhanced phosphorus removal.

Contracting partner	Planned contract value
13. JSC Neringa water	99,000.00

Investment no. I2.2_2 - 2.2.2 PILOT 2. Dual plumbing system for grey waters to be treated on site.

Contracting partner	Planned contract value
11. Municipality of Ingå	210,000.00

Investment no. I2.2_3 - 2.2.3 PILOT 3. Application of the nano-bubbles aeration with high utilization of oxygen

Contracting partner	Planned contract value
15. NK forsyning	55,000.00

Investment no. I2.2_4 - 2.2.4 PILOT 4. Application of improvemed water plant beds in reconstructed wetland.

Contracting partner	Planned contract value
14. Kilian Water	25,000.00

Investment no. I2.2_5 - 2.2.5 PILOT 5. Expansion, filtration, disinfection, irrigation, monitoring for treated wastewater.

Contracting partner	Planned contract value
7. The Bogdan Janski Bure Misie Community Foundation (BMCF)	222,000.00

Investment no. I2.2_6 - 2.2.6 PILOT 6. Dual water plants bed system (horizontal/ vertical) close to Słowiński National Park

Contracting partner	Planned contract value
12. Municipality of Smoldzino	145,000.00

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
Total ERDF						4,421,180.27	3,536,944.17	884,236.10	
Total						4,421,180.27	3,536,944.17	884,236.10	

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	The Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences (IFFM PAS)	Active 22/09/2022	PL	ERDF	80.00 %	538,137.78	430,510.22	107,627.56	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	Kaunas University of Technology (KTU)	Active 22/09/2022	LT	ERDF	80.00 %	165,526.33	132,421.06	33,105.27	
3-PP	Natural Resources Institute Finland (LUKE)	Active 22/09/2022	FI	ERDF	80.00 %	489,684.00	391,747.20	97,936.80	
4-PP	SYKLI Environmental School of Finland (SYKLI)	Active 22/09/2022	FI	ERDF	80.00 %	195,470.00	156,376.00	39,094.00	
5-PP	Keep the Archipelago Tidy Association (KATA)	Active 22/09/2022	FI	ERDF	80.00 %	161,160.00	128,928.00	32,232.00	
6-PP	Aalborg Univesity (AAU)	Active 22/09/2022	DK	ERDF	80.00 %	333,467.20	266,773.76	66,693.44	
7-PP	The Bogdan Janski Bure Misie Community Foundation (BMCF)	Active 22/09/2022	PL	ERDF	80.00 %	280,985.52	224,788.41	56,197.11	
8-PP	Stockholm Environment Institute Tallinn Centre (SEI Tallinn)	Active 22/09/2022	EE	ERDF	80.00 %	273,181.07	218,544.85	54,636.22	
9-PP	NGO Cidonya	Active 22/09/2022	LV	ERDF	80.00 %	415,452.00	332,361.60	83,090.40	
10-PP	Municipality of Söderhamn	Active 22/09/2022	SE	ERDF	80.00 %	327,210.40	261,768.32	65,442.08	
11-PP	Municipality of Ingå	Active 22/09/2022	FI	ERDF	80.00 %	249,999.99	199,999.99	50,000.00	
12-PP	Municipality of Smoldzino	Active 22/09/2022	PL	ERDF	80.00 %	201,612.33	161,289.86	40,322.47	
13-PP	JSC Neringa water	Active 22/09/2022	LT	ERDF	80.00 %	152,092.67	121,674.13	30,418.54	
14-PP	Kilian Water	Active 22/09/2022	DK	ERDF	80.00 %	67,645.38	54,116.30	13,529.08	
15-PP	NK forsyning	Active 22/09/2022	DK	ERDF	80.00 %	118,145.38	94,516.30	23,629.08	
16-PP	Association of Polish Communes Euroregion Baltic	Active 22/09/2022	PL	ERDF	80.00 %	210,754.22	168,603.37	42,150.85	
17-PP	EUCC - The Coastal Union Germany	Active 22/09/2022	DE	ERDF	80.00 %	240,656.00	192,524.80	48,131.20	
Total ERDF						4,421,180.27	3,536,944.17	884,236.10	
Total						4,421,180.27	3,536,944.17	884,236.10	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Period 1	899,970.41	719,976.31	899,970.41	719,976.31
Period 2	457,360.13	365,888.10	457,360.13	365,888.10
Period 3	1,641,705.76	1,313,364.60	1,641,705.76	1,313,364.60
Period 4	466,758.92	373,407.13	466,758.92	373,407.13
Period 5	578,517.47	462,813.97	578,517.47	462,813.97
Period 6	376,867.58	301,494.06	376,867.58	301,494.06
Total	4,421,180.27	3,536,944.17	4,421,180.27	3,536,944.17