

1. Identification

Call

Date of submission

P2

20/11/2025

1.1. Full name of the project

Strengthening Circular Water Economy through microsybiosis

60 / 250 characters

1.2. Short name of the project

Symbioter

9 / 20 characters

1.3. Programme priority

4. Cooperation governance

1.4. Programme objective

4.1 Project platforms

1.4.1. Thematic Programme objective

2.1 Sustainable waters

1.6. Project duration

Contracting start

26/03/2026

Contracting end

30/06/2026

Implementation start

01/07/2026

Implementation end

31/10/2028

Duration of implementation phase
(months)

28

Closure start

01/11/2028

Closure end

31/01/2029

1.7. Project summary

Symbioter brings together key actors from across the BSR to unlock the potential of water and nutrient reuse, accelerating the shift towards a circular, climate-resilient water economy. The region faces growing pressures from water scarcity, nutrient losses, and climate change, while many valuable EU project results remain fragmented and underused locally.

Symbioter integrates and applies these achievements to create local water symbioses – practical collaborations between municipalities, utilities, businesses, and interest groups to recycle, recover, and reuse water and nutrients with the help of nature-based solutions and diverse treatment technologies. The platform will synthesize best practices and digital tools from Interreg and Horizon projects, delivering targeted capacity-building for local authorities, public service providers, and networks of water stakeholders across the BSR.

Symbioter shows how small-scale cooperation can deliver measurable environmental benefits, reduce eutrophication, and increase water resilience. Through mentoring, training, and transnational exchange, the project will help stakeholders apply tested solutions in daily practice, develop local microsybiosis concepts, and support the EU environmental policies.

The platform employs multiple and innovative approaches to knowledge exchange and capacity building, ensuring the optimal impact of Symbioter in empowering local water stakeholders in the Baltic Sea Region.

1,467 / 1,500 characters

1.8. Summary of the partnership

The primary challenge of the project is to enhance the added value of European funds and capitalize on the potential of the Baltic Sea region. Meanwhile, the Water Resilience Strategy was announced. It indicates the goals we want to achieve, restoring and protecting the water cycle as the basis for sustainable water services. Collaborative action is the foundation of success. We have demonstrated this by building capacity in numerous European projects. Our team includes partners from Germany, Finland, Lithuania, Norway, Poland, and Sweden. We represent a diverse range of stakeholders, including academia, NGOs, interest groups, and local public governments. All have experience from previous ambitious projects focusing on sustainable water management. We also engage AOs from across Europe, who will learn, exchange experiences, and further expand our knowledge. All the partners have extensive experience in initiating knowledge exchange and disseminating results to local stakeholders. The partners also have a strong network with regional and local stakeholders who are related to water management. However, those resources, networks, and actions are fragmented. We believe that Symbioter will accelerate capacity building for end-users, providing updated knowledge, evidence, and educational aids from Interreg and European projects tailored to the specific needs and challenges at local and regional levels.

All partners represent projects funded by Interreg or other EU sources. We selected 8 projects from the Interreg programs (BSR, Europe, North Sea) and 1 Horizon Europe project. All partners have been active participants in these nine projects. Thanks to the consortium composition, we represent a very diverse range of knowledge and competencies, as well as various regions. This way, we'll achieve economies of scale as we all learn from each other. We'll become ambassadors for all nine projects. We have the support of PA Nutri, with whom we consulted on the idea and will cooperate in building training modules and share results.

The budget is tailored to the partners' capabilities. Since staff costs constitute the largest part of the budget, we had to adjust them to reflect the varying hourly rates (from €24 to €50/h). The budget is therefore tailored to the tasks; partners with larger staff activity plans have larger budgets (more allocated hours). The remaining expenses will be devoted to travel, accommodation, a film and, mainly, organizing local meetings with stakeholders and producing supporting materials. Additionally, physical consortium meetings will be held to ensure knowledge transfer between project partners.

AOs include LPA, infrastructure operators, as well as organizations and interest groups. We have already established contact with them and will adapt the modules based on their feedback. They are important recipients for us, but also reviewers of ideas.

1.11. Project Budget Summary

Financial resources [in EUR]		Planned project budget
ERDF	ERDF co-financing	679,999.97
	Own contribution ERDF	170,000.00
	ERDF budget	849,999.97
NO	NO co-financing	120,000.00
	Own contribution NO	30,000.00
	NO budget	150,000.00
NDICI	NDICI co-financing	0.00
	Own contribution NDICI	0.00
	NDICI budget	0.00
RU	RU co-financing	0.00
	Own contribution RU	0.00
	RU budget	0.00
TOTAL	Total Programme co-financing	799,999.97
	Total own contribution	200,000.00
	Total budget	999,999.97

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Chamber of Economy "Polish Waterworks"	Izba Gospodarcza "Wodociągi Polskie	 PL	Interest group	a)	124,999.99 €	Active	26/03/2026
2	PP	Centrum Balticum Foundation	Centrum Balticum Foundation	 FI	NGO	a)	140,000.00 €	Active	26/03/2026
3	PP	Waterboard of Oldenburg and East Frisia	Oldenburgisch-Ostfriesischer Wasserverband	 DE	Infrastructure and public service provider	a)	130,000.00 €	Active	26/03/2026
4	PP	Natural Resources Institute Finland (Luke)	Luonnonvarakeskus (Luke)	 FI	Higher education and research institution	a)	124,999.99 €	Active	26/03/2026
5	PP	Warsaw University of Technology	Politechnika Warszawska	 PL	Higher education and research institution	a)	110,000.00 €	Active	26/03/2026
6	PP	Region Kalmar County	Region Kalmar län	 SE	Regional public authority	a)	124,999.99 €	Active	26/03/2026
7	PP	University of Stavanger	Universitetet i Stavanger	 NO	Higher education and research institution	a)	150,000.00 €	Active	26/03/2026
8	PP	Public Institution National regions development agency	Viešoji įstaiga Nacionalinė regionų plėtros agentūra	 LT	Business support organisation	b)	95,000.00 €	Active	26/03/2026

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Hydrosphere Józefów Ltd.	Hydrosfera Józefów sp. z o.o.	 PL	Infrastructure and public service provider
AO 2	The city of Kaarina	Kaarinan kaupunki	 FI	Local public authority
AO 3	Union of the Baltic Cities	Union of the Baltic Cities	 FI	Interest group
AO 4	Municipality of Ingå	Inkoon kunta	 FI	Local public authority
AO 5	SYKLI Environmental School of Finland	Suomen ympäristöopisto (SYKLI)	 FI	Education/training centre and school
AO 6	Municipality of Stavanger	Stavanger Kommune	 NO	Local public authority
AO 7	Goleniów Water and Sewerage System	Goleniowskie Wodociągi i Kanalizacja sp. z o.o.	 PL	Infrastructure and public service provider
AO 8	Kolomyia City Council	Коломийська міська рада	Other	Local public authority
AO 9	Šiauliai city municipality administration	Šiaulių miesto savivaldybės administracija	 LT	Local public authority
AO 10	Biržai district municipality administration	Biržų rajono savivaldybės administracija	 LT	Regional public authority
AO 11	Šiauliai waters (WWTP)	Šiaulių vandenys	 LT	Infrastructure and public service provider
AO 12	Baltic Marine Environment Protection Commission - HELCOM	Baltic Marine Environment Protection Commission - HELCOM	 FI	International governmental organisation
AO 13	European Federation of National Associations of Water Services EurEau	European Federation of National Associations of Water Services EurEau	 BE	Interest group
AO 14	City of Oldenburg	Stadt Oldenburg	 DE	Local public authority
AO 15	Industrial Water Supply Company Northwest Lower Saxony	Industriewasserversorgungsgesellschaft Nordwest-Niedersachsen mbH (IWAG)	 DE	Small and medium enterprise
AO 16	Municipal Water and Sewage Plant in Sulejówek	Miejski Zakład Wodociągów i Kanalizacji w Sulejówku	 PL	Infrastructure and public service provider
AO 17	Solina commune	Gmina Solina	 PL	Local public authority
AO 18	Västervik Municipality	Västervik Kommun	 SE	Local public authority
AO 19	Administrative Board of Kalmar County, South Baltic Water District Authority	Länssyttelsen i Kalmar län, Vattenmyndigheten Södra Östersjön	 SE	Regional public authority
AO 20	Estonian Waterworks Association	Eesti Vee-ettevõtete Liit	 EE	Interest group
AO 21	Race For The Baltic	Race For The Baltic	 SE	NGO
AO 22	Centre for Economic Development, Transport and the Environment for Southwest Finland/ PA Nutri	Varsinais-Suomen elinkeino-, liikenne- ja ympäristökeskus	 FI	Regional public authority

2.2 Project Partner Details - Partner 1

LP/PP

Lead Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Izba Gospodarcza "Wodociągi Polskie"35 / 250 characters

Organisation in English

Chamber of Economy "Polish Waterworks"38 / 250 characters

Department in original language

n/a3 / 250 characters

Department in English

n/a3 / 250 characters

Partner location and website:

Address

J.Kasprowicza 215 / 250 characters

Country

Poland

Postal Code

85-0736 / 250 characters

NUTS1 code

Makroregion północny

Town

Bydgoszcz9 / 250 characters

NUTS2 code

Kujawsko-pomorskie

Website

www.igwp.org.pl15 / 100 characters

NUTS3 code

Bydgosko-toruński

Partner ID:

Organisation ID type

Tax identification number (NIP)

Organisation ID

5540312444

VAT Number Format

PL + 10 digits

VAT Number

N/A ☐ PL554031244412 / 50 characters

PIC

n/a3 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

Interest group

Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Sector (NACE)

94.12 - Activities of professional membership organisations

Partner financial data:

Role of the partner organisation in this project:

The partner is the project leader. He will also participate in stakeholder acquisition for WP2 and activities within WP3.121 / 1,000 characters

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

Yes

2.2 Project Partner Details - Partner 2

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Centrum Balticum Foundation

27 / 250 characters

Organisation in English

Centrum Balticum Foundation

27 / 250 characters

Department in original language

n/a

3 / 250 characters

Department in English

n/a

3 / 250 characters

Partner location and website:

Address

Vanha Suurtori 7

16 / 250 characters

Country

Finland

Postal Code

20500

5 / 250 characters

NUTS1 code

Manner-Suomi

Town

Turku

5 / 250 characters

NUTS2 code

Etelä-Suomi

Website

www.centrumbalticum.org

23 / 100 characters

NUTS3 code

Varsinais-Suomi

Partner ID:

Organisation ID type

Business Identity Code (Y-tunnus)

Organisation ID

2112927-6

VAT Number Format

FI + 8 digits

VAT Number

N/A ☒

0 / 50 characters

PIC

n/a

3 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

NGO

Non-governmental organisations, such as Greenpeace, WWF, etc.

Sector (NACE)

70.21 - Public relations and communication activities

Partner financial data:

Financial data	Reference period	01/01/2024	–	31/12/2024
	Staff headcount [in annual work units (AWU)]			10.0
	Employees [in AWU]			10.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			0.0
	Owner-managers [in AWU]			0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			425,571.67
	Annual balance sheet total [in EUR]			570,321.05
	Operating profit [in EUR]			18,974.94

Role of the partner organisation in this project:

Centrum Balticum will be taking care of the project's communication coordination, updating the project's international communication channels and producing a film about sustainable water management solutions.

208 / 1,000 characters

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

Yes

2.2 Project Partner Details - Partner 3

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Oldenburgisch-Ostfriesischer Wasserverband

42 / 250 characters

Organisation in English

Waterboard of Oldenburg and East Frisia

39 / 250 characters

Department in original language

Internationale Zusammenarbeit und Wasserinnovationsnetzwerke

60 / 250 characters

Department in English

International Cooperation and Water Innovation Networks

55 / 250 characters

Partner location and website:

Address

Georgstraße 4

13 / 250 characters

Country

Germany

Postal Code

26919

5 / 250 characters

NUTS1 code

Niedersachsen

Town

Brake

5 / 250 characters

NUTS2 code

Weser-Ems

Website

www.oowv.de

11 / 100 characters

NUTS3 code

Wesermarsch

Partner ID:

Organisation ID type

Tax (identification) number (Steuer(identifikations)nummer)

Organisation ID

236320000310

VAT Number Format

DE + 9 digits

VAT Number

N/A ☐ DE236320000

11 / 50 characters

PIC

900282027

9 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

Infrastructure and public service provic

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:

Financial data	Reference period	01/01/2024	–	31/12/2024
	Staff headcount [in annual work units (AWU)]			1,016.0
	Employees [in AWU]			1,016.0
	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]			286,962,000.00
	Annual balance sheet total [in EUR]			1,299,589,234.57
	Operating profit [in EUR]			0.00

Role of the partner organisation in this project:

OOWV will coordinate WP2 together with University of Stavanger and will contribute to WP1 and WP3.

98 / 1,000 characters

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

Yes

2.2 Project Partner Details - Partner 4

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

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

22 / 250 characters

Department in English

Bioeconomy and environment

26 / 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:

Role of the partner organisation in this project:

Natural Resources Institute Finland (Luke) contributes to the SYMBIOTER project as a research and expert organization specializing in bioeconomy and environmental solutions. Luke brings strong expertise in life cycle assessment (LCA), water stewardship, and the choices of innovative wastewater treatment technologies. Luke's activities focus on strengthening the capacity of municipalities and water utilities, as well as developing materials for stakeholder engagement.

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

Yes

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?

No

2.2 Project Partner Details - Partner 5

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Politechnika Warszawska

23 / 250 characters

Organisation in English

Warsaw University of Technology

31 / 250 characters

Department in original language

Wydział Inżynierii Środowiska

29 / 250 characters

Department in English

Faculty of Environmental Engineering

36 / 250 characters

Partner location and website:

Address

Nowowiejska 20

14 / 250 characters

Country

Poland

Postal Code

00-682

6 / 250 characters

NUTS1 code

Makroregion województwo mazowieckie

Town

Warszawa

8 / 250 characters

NUTS2 code

Warszawski stołeczny

Website

www.pw.edu.pl

13 / 100 characters

NUTS3 code

Miasto Warszawa

Partner ID:

Organisation ID type

Tax identification number (NIP)

Organisation ID

5250005834

VAT Number Format

PL + 10 digits

VAT Number

N/A ☐ PL5250005834

12 / 50 characters

PIC

999884052

9 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

Higher education and research instituti

University faculty, college, research institution, RTD facility, research cluster, etc.

Sector (NACE)

85.42 - Tertiary education

Partner financial data:

Role of the partner organisation in this project:

This partner will lead the GoA on mentoring. It will also participate in WP2, providing expertise for wastewater management and urban cooperation.

146 / 1,000 characters

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

Yes

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

Justification why the partner's activities are not State aid relevant

The profit from WUT's business activities is allocated to statutory activities. However, the project does not involve any business activity. There is no profit, as there is no business activity or competition.

210 / 3,000 characters

2.2 Project Partner Details - Partner 6

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Region Kalmar län

17 / 250 characters

Organisation in English

Region Kalmar County

20 / 250 characters

Department in original language

Regional utvecklingsförvaltning

31 / 250 characters

Department in English

Regional development department

31 / 250 characters

Partner location and website:

Address

Box 601

7 / 250 characters

Country

Sweden

Postal Code

39126

5 / 250 characters

NUTS1 code

Södra Sverige

Town

Kalmar

6 / 250 characters

NUTS2 code

Småland med öarna

Website

www.kalmar.se

13 / 100 characters

NUTS3 code

Kalmar län

Partner ID:

Organisation ID type

Organisation number (Organisationsnummer)

Organisation ID

232100-0073

VAT Number Format

SE + 12 digits

VAT Number

N/A ☐ SE232100007301

14 / 50 characters

PIC

n/a

3 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

Regional public authority

Regional council, etc.

Sector (NACE)

84.11 - General public administration activities

Partner financial data:

Role of the partner organisation in this project:

This partner will participate in all Work Packages providing knowledge and experiance acquired while working on the Waterman project. Partner will organize an international meeting in Sweden.

192 / 1,000 characters

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

Yes

2.2 Project Partner Details - Partner 7

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Universitetet i Stavanger

25 / 250 characters

Organisation in English

University of Stavanger

23 / 250 characters

Department in original language

Institutt for sikkerhet, økonomi og planlegging

47 / 250 characters

Department in English

Department of Safety, Economics and Planning

44 / 250 characters

Partner location and website:

Address

Kjell Arholms gate 41

21 / 250 characters

Country

Norway

Postal Code

4021

4 / 250 characters

NUTS1 code

Norge

Town

Stavanger

9 / 250 characters

NUTS2 code

Vestlandet

Website

www.uis.no/en

13 / 100 characters

NUTS3 code

Rogaland

Partner ID:

Organisation ID type

Organisation number (Organisasjonsnummer)

Organisation ID

971340738

VAT Number Format

NO + 9 digits + MVA

VAT Number

N/A ☐ NO971340738MVA

14 / 50 characters

PIC

998023689

9 / 9 characters

Partner type:

Legal status

a) Public

Type of partner

Higher education and research instituti

University faculty, college, research institution, RTD facility, research cluster, etc.

Sector (NACE)

85.42 - Tertiary education

Partner financial data:

Financial data	Reference period	01/01/2024	–	31/12/2024
	Staff headcount [in annual work units (AWU)]	1,816.0		
	Employees [in AWU]	1,816.0		
	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]	230,369,000.00		
	Annual balance sheet total [in EUR]	124,816,000.00		
	Operating profit [in EUR]	4,961,000.00		

Role of the partner organisation in this project:

The partner will be the leader of WP2, It will participate in all the WPs.

74 / 1,000 characters

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

Yes

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?

No

2.2 Project Partner Details - Partner 8

LP/PP

Project Partner

Partner Status

Active

Active from

26/03/2026

Inactive from

Partner name:

Organisation in original language

Viešoji įstaiga Nacionalinė regionų plėtros agentūra

52 / 250 characters

Organisation in English

Public Institution National regions development agency

54 / 250 characters

Department in original language

n/a

3 / 250 characters

Department in English

n/a

3 / 250 characters

Partner location and website:

Address

Kalvarijų g. 3

14 / 250 characters

Country

Lithuania

Postal Code

LT-01108

8 / 250 characters

NUTS1 code

Lietuva

Town

Vilnius

7 / 250 characters

NUTS2 code

Sostinės regionas

Website

www.nrda.lt

11 / 100 characters

NUTS3 code

Vilniaus apskritis

Partner ID:

Organisation ID type

Legal person's code (Juridinio asmens kodas)

Organisation ID

225008220

VAT Number Format

LT + 9 digits

VAT Number

N/A ☐ LT225008220

11 / 50 characters

PIC

n/a

3 / 9 characters

Partner type:

Legal status

b) Private

Type of partner

Business support organisation

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

Sector (NACE)

70.22 - Business and other management consultancy activities

Partner financial data:

Financial data	Reference period	01/01/2024	–	31/12/2024
	Staff headcount [in annual work units (AWU)]			17.0
	Employees [in AWU]			8.0
	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]			9.0
	Annual turnover [in EUR]			144,714.00
	Annual balance sheet total [in EUR]			150,756.00
	Operating profit [in EUR]			0.00

Role of the partner organisation in this project:

NRDA will organize training sessions and seminars for municipal representatives within the water reuse project practices, provide consultations on implementing innovative water-saving and reuse solutions, prepare methodological guidelines, promote the exchange of good practices among regions, and strengthen institutional capacities to implement sustainable water resource management measures.

394 / 1,000 characters

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

Yes

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language	Hydrosfera Józefów sp. z o.o. 29 / 250 characters		
Organisation in English	Hydrosphere Józefów Ltd. 24 / 250 characters		
Department in original language	Dział Eksploatacji 18 / 250 characters		
Department in English	Operation Department 20 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Infrastructure and public service provic	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	Drogowców 20 12 / 250 characters	Country	Poland
Postal Code	05-420 6 / 250 characters		
Town	Józefów 7 / 250 characters		
Website	https://hydrosfera-jozefow.pl/ 30 / 100 characters		

Role of the associated organisation in this project:

This OA has experience in water recycling, gained in part through its involvement in the ReNutriWater project. It is interested in participating in the development of a blueprint for urban symbiosis in Józefów city. It will participate in WP2.

243 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language	Kaarinan kaupunki 17 / 250 characters		
Organisation in English	The city of Kaarina 19 / 250 characters		
Department in original language	Kaupunkikehityspalvelut 23 / 250 characters		
Department in English	Urban development services 26 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Oskarinkatu 4 13 / 250 characters	Country	Finland
Postal Code	20780 5 / 250 characters		
Town	Kaarina 7 / 250 characters		
Website	www.kaarina.fi 14 / 100 characters		

Role of the associated organisation in this project:

Kaarina wants to be involved in receiving information about water treatment and, through associated organisation engagement, also influencing the focus areas of the Symbioter project.

183 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language	Union of the Baltic Cities 26 / 250 characters		
Organisation in English	Union of the Baltic Cities 26 / 250 characters		
Department in original language	Secretariat of Sustainable Cities Commission 44 / 250 characters		
Department in English	Secretariat of Sustainable Cities Commission 44 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs	

Associated organisation location and website:

Address	Baltic Sea House Vanha Suurtori 7 34 / 250 characters	Country	Finland
Postal Code	20500 5 / 250 characters		
Town	Turku 5 / 250 characters		
Website	www.ubc.net 11 / 100 characters		

Role of the associated organisation in this project:

TheAO will provide access to the Baltic Smart Water Hub to promote educational content and materials of Symbioter. It will participate in a joint event. It will promote our activities.

184 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

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		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Rantatie 2 10 / 250 characters	Country	Finland
Postal Code	10210 5 / 250 characters		
Town	Inkoo 5 / 250 characters		
Website	www.inga.fi 11 / 100 characters		

Role of the associated organisation in this project:

The Municipality of Ingå participates in Symbioter as an associated organization. Ingå hosts a NurseCoast-II pilot site, providing practical experience in upgrading wastewater systems. The municipality is interested in receiving knowledge and best practices on rainwater and stormwater management and, through its engagement as an associated organization, aims to contribute to shaping the focus areas of the Symbioter project. This involvement ensures that insights from previous projects and local implementation challenges are integrated into the development of thematic modules and stakeholder discussions.

610 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language	Suomen ympäristöopisto (SYKLI) 30 / 250 characters		
Organisation in English	SYKLI Environmental School of Finland 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	Education/training centre and school	Primary, secondary, pre-school, vocational training, etc.	

Associated organisation location and website:

Address	Malmin kauppatie 8 B, 4. Krs. 29 / 250 characters	Country	Finland
Postal Code	FI-00700 8 / 250 characters		
Town	Helsinki 8 / 250 characters		
Website	www.sykli.fi 12 / 100 characters		

Role of the associated organisation in this project:

SYKLI Environmental College is a Finnish national specialist vocational institution focused on environmental expertise and sustainable development. As an associated organization in Symbioter, SYKLI is particularly interested in the broad thematic areas of the training packages Reuse Rainwater & Stormwater Management, Recycle Wastewater, and Recover Nutrients, and will actively influence content development. Through its extensive collaboration with professionals, experts, businesses, and organizations across Finland, SYKLI ensures that training resources are practical, relevant, and aligned with real-world needs.

619 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language	Stavanger Kommune 17 / 250 characters		
Organisation in English	Municipality of Stavanger 25 / 250 characters		
Department in original language	Park og natur 13 / 250 characters		
Department in English	Park and Nature 15 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Olav Kyrres gate 23 19 / 250 characters	Country	Norway
Postal Code	4005 4 / 250 characters		
Town	Stavanger 9 / 250 characters		
Website	www.stavanger.kommune.no 24 / 100 characters		

Role of the associated organisation in this project:

Stavanger Municipality will support the University of Stavanger and the Symbioter project during the project period. The Municipality provides access to relevant information related to the pilot studies in Stavanger. The Municipality will connect the project with local stakeholders, including local private sectors and local non-profit organisations to support the Symbioter Project. The Municipality will show their current projects related to NBS and suggest some ideas to help the consortium to execute the pilot studies. The Municipality will assign its experts to illustrate several NBS in Stavanger.

606 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language	Goleniowskie Wodociągi i Kanalizacja sp. z o.o. 47 / 250 characters		
Organisation in English	Goleniów Water and Sewerage System 34 / 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 provic	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	ul. I Brygady Legionów 18A 26 / 250 characters	Country	Poland
Postal Code	72-100 6 / 250 characters		
Town	Goleniów 8 / 250 characters		
Website	www.gwik.pl 11 / 100 characters		

Role of the associated organisation in this project:

The utility is interested in participating in the exchange of knowledge and experience. It is interested in participating in events to find local solutions for the municipality.

177 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language	Коломийська міська рада 23 / 250 characters		
Organisation in English	Kolomyia City Council 21 / 250 characters		
Department in original language	Відділ інвестиційної політики Коломийської 43 / 250 characters		
Department in English	Investment Policy Department of the Kolomyia City Council 57 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	M. Hrushevskoho str. 1 22 / 250 characters	Country	Other
Postal Code	78203 5 / 250 characters	Please specify	Ukraine 7 / 20 characters
Town	Kolomyia 8 / 250 characters		
Website	www.ko.if.ua 12 / 100 characters		

Role of the associated organisation in this project:

Kolomyia is interested in water recovery activities. It will participate in international meetings. A representative will be invited to local training. It will take part in WP2.

177 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language	Šiaulių miesto savivaldybės administracija 42 / 250 characters		
Organisation in English	Šiauliai city municipality administration 41 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Vasario 16-osios g. 62 22 / 250 characters	Country	Lithuania
Postal Code	LT-76295 8 / 250 characters		
Town	Šiauliai 8 / 250 characters		
Website	www.siauliai.lt 15 / 100 characters		

Role of the associated organisation in this project:

The municipality shows their interest in innovative wastewater reuse and symbiosis solutions. During projects their involvement in the project includes participating in training sessions to build local capacity and deepen understanding of the technologies developed within the project. The municipality also contributes by providing feedback on the others demonstrated technologies, ensuring that the solutions align with real-world needs, regulatory frameworks, and community expectations. Municipality acts as a knowledge multiplier, sharing the insights, results, and best practices generated by the Symbioter project with its own stakeholders—such as colleagues in other municipalities, local industries, clients, and residents—thus fostering wider awareness and uptake of sustainable wastewater reuse approaches across the region.

835 / 1,000 characters

2.3 Associated Organisation Details - AO 10

Associated organisation name and type:

Organisation in original language	Biržų rajono savivaldybės administracija 41 / 250 characters		
Organisation in English	Biržai district municipality administration 43 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Regional public authority	Regional council, etc.	

Associated organisation location and website:

Address	Vytauto g. 38 13 / 250 characters	Country	Lithuania
Postal Code	LT-41143 8 / 250 characters		
Town	Birzai 6 / 250 characters		
Website	www.birzai.lt 13 / 100 characters		

Role of the associated organisation in this project:

The municipality shows their interest in innovative wastewater reuse and symbiosis solutions. During projects their involvement in the project includes participating in training sessions to build local capacity and deepen understanding of the technologies developed within the project. The municipality also contributes by providing feedback on the other demonstrated technologies, ensuring that the solutions align with real-world needs, regulatory frameworks, and community expectations. Municipality acts as a knowledge multiplier, sharing the insights, results, and best practices generated by the Symbioter project with its own stakeholders—such as colleagues in other municipalities, local industries, clients, and residents—thus fostering wider awareness and uptake of sustainable wastewater reuse approaches across the region.

834 / 1,000 characters

2.3 Associated Organisation Details - AO 11

Associated organisation name and type:

Organisation in original language	Šiaulių vandenys 16 / 250 characters		
Organisation in English	Šiauliai waters (WWTP) 22 / 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 provic	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	Vytauto g. 103 14 / 250 characters	Country	Lithuania
Postal Code	LT-77160 8 / 250 characters		
Town	Šiauliai 8 / 250 characters		
Website	www.siauliuvandenys.lt 22 / 100 characters		

Role of the associated organisation in this project:

The WWTP involvement includes participating in training sessions to strengthen staff competencies and ensure effective application of new approaches introduced by the project. It also provides feedback on the demonstrated technologies, helping to evaluate their technical performance, efficiency, and suitability for real wastewater treatment conditions. WWTP contributes to sharing knowledge and results generated by the project with its stakeholders—such as other wastewater treatment operators, local authorities, industrial clients, and the wider community—thereby promoting broader adoption of sustainable and circular wastewater management practices.

656 / 1,000 characters

2.3 Associated Organisation Details - AO 12

Associated organisation name and type:

Organisation in original language	Baltic Marine Environment Protection Commission - HELCOM 56 / 250 characters		
Organisation in English	Baltic Marine Environment Protection Commission - HELCOM 56 / 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	International governmental organisatio	HELCOM, BSSSC, CBSS, VASAB, etc.	

Associated organisation location and website:

Address	Katajanokanlaituri 6B 21 / 250 characters	Country	Finland
Postal Code	00160 5 / 250 characters		
Town	Helsinki 8 / 250 characters		
Website	www.helcom.fi 13 / 100 characters		

Role of the associated organisation in this project:

HELCOM will support the project platform with consulting on the policy dialogue and the regional nutrient policy processes (especially related to the symbiosis strategies to be created under WP2) and facilitating dissemination of the results to regional stakeholders and authorities via the HELCOM Expert Groups and Working Groups.

332 / 1,000 characters

2.3 Associated Organisation Details - AO 13

Associated organisation name and type:

Organisation in original language	European Federation of National Associations of Water Services EurEau 69 / 250 characters		
Organisation in English	European Federation of National Associations of Water Services EurEau 69 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	b) Private		
Type of associated organisation	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs	

Associated organisation location and website:

Address	Rue du Luxembourg 47-51 23 / 250 characters	Country	Belgium
Postal Code	B-1050 6 / 250 characters		
Town	Brussels 8 / 250 characters		
Website	www.eureau.org 14 / 100 characters		

Role of the associated organisation in this project:

EurEau will provide its own communication channels and will consult with our ideas. We will organize a joint webinar on the 3R solution and good practices.

155 / 1,000 characters

2.3 Associated Organisation Details - AO 14

Associated organisation name and type:

Organisation in original language	Stadt Oldenburg 16 / 250 characters		
Organisation in English	City of Oldenbourg 18 / 250 characters		
Department in original language	Amt für Umweltschutz und Bauordnung 35 / 250 characters		
Department in English	Office for Environmental Protection and Building Regulations 60 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Industriestr. 1 15 / 250 characters	Country	Germany
Postal Code	26121 5 / 250 characters		
Town	Oldenburg 9 / 250 characters		
Website	www.oldenburg.de 16 / 100 characters		

Role of the associated organisation in this project:

City of Oldenbourg is key actor in implementing measures on heavy rainfall and is therefore interested in building capacity through SYMBIOTER trainings.

152 / 1,000 characters

2.3 Associated Organisation Details - AO 15

Associated organisation name and type:

Organisation in original language	Industriewasserversorgungsgesellschaft Nordwest-Niedersachsen mbH (IWAG) 73 / 250 characters		
Organisation in English	Industrial Water Supply Company Northwest Lower Saxony 54 / 250 characters		
Department in original language	Industriewasserversorgungsgesellschaft Nordwest-Niedersachsen mbH 66 / 250 characters		
Department in English	Industrial Water Supply Company Northwest Lower Saxony 54 / 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	Georgstraße 4 13 / 250 characters	Country	Germany
Postal Code	26919 5 / 250 characters		
Town	Brake 5 / 250 characters		
Website	www.iwag-nordwest.de 20 / 100 characters		

Role of the associated organisation in this project:

IWAG is a company with high expertise on solutions for the use of process water for industrial purposes and interested in knowledge exchange within SYMBIOTER.

158 / 1,000 characters

2.3 Associated Organisation Details - AO 16

Associated organisation name and type:

Organisation in original language	Miejski Zakład Wodociągów i Kanalizacji w Sulejówku 51 / 250 characters		
Organisation in English	Municipal Water and Sewage Plant in Sulejówek 45 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Infrastructure and public service provic	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	ul. Wodociągowa 10 18 / 250 characters	Country	Poland
Postal Code	05-070 6 / 250 characters		
Town	Sulejówek 9 / 250 characters		
Website	www.mzwiksulejowek.pl/ 22 / 100 characters		

Role of the associated organisation in this project:

This AO is interested in water reuse and stormwater recycling. It will participate in WP2, share needs and experience from a small town.

136 / 1,000 characters

2.3 Associated Organisation Details - AO 17

Associated organisation name and type:

Organisation in original language	Gmina Solina 12 / 250 characters		
Organisation in English	Solina commune 14 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	ul. Wiejska 2 13 / 250 characters	Country	Poland
Postal Code	38-610 6 / 250 characters		
Town	Polańczyk 9 / 250 characters		
Website	www.esolina.pl 14 / 100 characters		

Role of the associated organisation in this project:

Solina commune will evaluate the Training Packages. It will take part in WP2. It will share the experience of operating as a tourist commune during high seasonality, which affects the operation of the wastewater treatment plant.

228 / 1,000 characters

2.3 Associated Organisation Details - AO 18

Associated organisation name and type:

Organisation in original language	Västervik Kommun 16 / 250 characters		
Organisation in English	Västervik Municipality 23 / 250 characters		
Department in original language	Kommunstyrelsens förvaltning, Enhelen för samhällsbyggnad 57 / 250 characters		
Department in English	Department of the Municipal executive committee, Unit of plannig 64 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Local public authority	Municipality, city, etc.	

Associated organisation location and website:

Address	Fabriksgatan 21 15 / 250 characters	Country	Sweden
Postal Code	593 80 6 / 250 characters		
Town	Västervik 9 / 250 characters		
Website	www.vastervik.se 16 / 100 characters		

Role of the associated organisation in this project:

AO will share its experience with WaterMan and will host stakeholders. It will participate in activities and support the Kalmar Region (PP6)

140 / 1,000 characters

2.3 Associated Organisation Details - AO 19

Associated organisation name and type:

Organisation in original language	Länssyttrelsen i Kalmar län, Vattenmyndigheten Södra Östersjön 61 / 250 characters		
Organisation in English	Administrative Board of Kalmar County, South Baltic Water District Authority 76 / 250 characters		
Department in original language	Department; Vattenmyndigheten Södra Östersjön 45 / 250 characters		
Department in English	South Baltic Water District Authority 37 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Regional public authority	Regional council, etc.	

Associated organisation location and website:

Address	Regeringsgatan 1 16 / 250 characters	Country	Sweden
Postal Code	391 86 6 / 250 characters		
Town	Kalmar 6 / 250 characters		
Website	www.lansstyrelsen.se 20 / 100 characters		

Role of the associated organisation in this project:

AO will share its experience with WaterMan and will host stakeholders. It will take part in consulting Training Packages.

121 / 1,000 characters

2.3 Associated Organisation Details - AO 20

Associated organisation name and type:

Organisation in original language	Eesti Vee-ettevõtete Liit 25 / 250 characters		
Organisation in English	Estonian Waterworks Association 31 / 250 characters		
Department in original language	n/a 3 / 250 characters		
Department in English	n/a 3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs	

Associated organisation location and website:

Address	Järvevana tee 3 15 / 250 characters	Country	Estonia
Postal Code	10132 5 / 250 characters		
Town	Tallin 6 / 250 characters		
Website	www.evel.ee 11 / 100 characters		

Role of the associated organisation in this project:

AO will provide its channels for capacity building in WP2&3. It will participate in the development of policy recommendations. It will help us reach stakeholders in Estonia, mainly focused on nutrient management.

212 / 1,000 characters

2.3 Associated Organisation Details - AO 21

Associated organisation name and type:

Organisation in original language	Race For The Baltic 19 / 250 characters		
Organisation in English	Race For The Baltic 19 / 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	Kungsgatan 64 13 / 250 characters	Country	Sweden
Postal Code	11122 5 / 250 characters		
Town	Stockholm 9 / 250 characters		
Website	www.raceforthebaltic.com 24 / 100 characters		

Role of the associated organisation in this project:

The organization aims to work towards protecting the Baltic Sea. They are interested in participating in our events and promoting knowledge among stakeholders (WP2&3).

167 / 1,000 characters

2.3 Associated Organisation Details - AO 22

Associated organisation name and type:

Organisation in original language	Varsinais-Suomen elinkeino-, liikenne- ja ympäristökeskus			57 / 250 characters
Organisation in English	Centre for Economic Development, Transport and the Environment for Southwest Finland/ PA Nutri			94 / 250 characters
Department in original language	Vesiyksikkö			11 / 250 characters
Department in English	Water Unit			10 / 250 characters
Legal status	a) Public			
Type of associated organisation	Regional public authority	Regional council, etc.		

Associated organisation location and website:

Address	Kulttuurikuja 1, PL 236	Country	Finland
	23 / 250 characters		
Postal Code	20800		
	5 / 250 characters		
Town	Turku		
	5 / 250 characters		
Website	www.ely-keskus.fi/varsinais-suomi		
	33 / 100 characters		

Role of the associated organisation in this project:

The organisation is the coordinator of EUSBSR Policy Area Nutri until 31.12.2025. Regional state administration is going through a reorganisation in Finland and new organisations will start their work on 1.1.2026. ELY-Centre can't promise anything on behalf of the new organisation, and the approval of moving coordination of PA Nutri from ELY-Centre to the new organisation Economic Development Centre of Southwest Finland is presently under approval procedure by the NCG. The new organisation will make a new decision on joining as an associated organisation and their role in it. This commitment now is to show that coordinators of PA Nutri are aware of the application and have received a decision from the Steering Group of PA Nutri to support the application. The application is supporting PA Nutri's goals of reducing nutrient emissions from urban sources such as wastewater treatment.

893 / 1,000 characters

3. Relevance

3.1 Context and challenge

The Baltic Sea Region faces persistent challenges in water and nutrient management. Nutrient losses from wastewater and inefficient water use contribute to eutrophication, while municipalities struggle with increasing pressures from climate change, urban growth, and seasonal tourism. Our experience from multiple water-related projects shows that these challenges cannot be solved by the water sector alone—solutions must cross disciplinary and institutional boundaries, connecting municipal authorities, infrastructure operators, and local stakeholders. Symbioter addresses these challenges by promoting the 3R approach: Recycle, Recover, Reuse. The project consolidates results from nine EU-funded projects and transforms them into practical tools, guidelines, and local water symbioses that enable municipalities and operators to apply circular water and nutrient management solutions. Despite the availability of technical solutions, capacity gaps, silos between sectors, and fragmented knowledge hinder their local implementation. Small-scale collaborations—such as partnerships between wastewater treatment operators and municipal services—often fail to materialize without targeted support. PA Nutri and HELCOM provide the regional frameworks to tackle these systemic challenges. PA Nutri Action “Reduce nutrient emissions from wastewater treatment” guides nutrient reduction strategies and innovation in wastewater treatment, while HELCOM supports alignment with regional nutrient strategies and the Baltic Sea Action Plan. Symbioter leverages these frameworks to ensure its solutions are policy-relevant and scalable. By bridging knowledge gaps and enabling cross-sectoral collaboration, Symbioter strengthens regional capacities, promotes replication of best practices, and supports the strategic objectives of PA Nutri and HELCOM, enhancing water resilience and reducing nutrient losses across the Baltic Sea Region.

1,931 / 2,000 characters

3.2 Transnational value of the project

Water scarcity, nutrient losses, and seasonality are common across the BSR, yet local authorities often face these challenges in isolation. Symbioter demonstrates that local solutions can have regional relevance when knowledge, tools, and experiences are shared across borders. By connecting municipalities, utilities, businesses, and research institutions from DE, FI, LT, PL, SE, and NO, the platform enables the replication and adaptation of successful circular water management approaches in the BSR. Transnational cooperation enables PPs to compare governance models, technological approaches, and environmental conditions, ensuring that practical solutions are adaptable and robust. Local water symbioses, such as collaborations between WWTP and urban green space managers, serve as tangible examples for TGs, facilitating peer learning and demonstrating that small-scale interventions can yield measurable benefits, improve nutrient recycling, and enhance water resilience. By exchanging knowledge and piloting solutions across countries, we will enhance the capacity of local stakeholders to implement effective circular water solutions. The lessons learned in one context are transferable and can inspire new initiatives elsewhere, amplifying the impact of prior EU-funded projects. PPs have already participated in projects whose goals, methodologies, and tools can be effectively shared and integrated within the project framework. PPs demonstrate a proactive and forward-looking approach in exploring and implementing strategies for the 3R. Their existing real-world examples provide valuable insights and practical models that can guide further innovation and replication. The diversity of experiences offers a rich foundation for cross-learning, ensuring that Symbioter benefits from a variety of environmental, technological, and policy perspectives. This combination makes them ideal partners for advancing the project’s vision of circular and sustainable water reuse systems.

1,991 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs	
Local public authority	They are responsible for managing and coordinating municipal services, organizing social life, and have knowledge of local operators, communities, local needs, and competency gaps. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 328 / 500 characters	The most important element of cooperation is the involvement of local public authorities and infrastructure operators. Without them, the project's objectives cannot be achieved. It all starts with local government support. Appropriate knowledge, skills, and competences within local government enable the development of internal symbiosis by combining the day-to-day operations of various entities in the city, such as the WWTP operator, the urban greenery manager, the urban road manager, allotment garden owners, and others. Our tools will help initiate internal processes. City hall employees, WWTP staff, and entities responsible for municipal services (e.g., green area irrigation) will be the most important link in building local solutions (micro-symbioses) based on LPA. Increasing the capacity of local authorities and other entities to perform ongoing tasks, implement local strategies related to water and nutrients, and shape policies is key to the project's success. 979 / 1,000 characters	
Infrastructure and public service provide	They are responsible for providing municipal services and operating and maintaining infrastructure. These entities (public and private) are responsible for wastewater and stormwater management, maintaining urban greenery, maintaining order and cleanliness in the municipality, maintaining municipal recreational infrastructure, and more. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 485 / 500 characters	Infrastructure and public services include wastewater and stormwater management, as well as other municipal services. They must have competencies in water recycling. This stems from the Wastewater Directive (2024/3019) and the Reclaimed Water Regulation (2020/741), as well as the need for a circular water economy. The treatment or reclamation plant is at the heart of local symbiosis, but water and nutrients recycling, recovery, and reuse systems can be effective when properly implemented. WWTP operators and other infrastructure operators, such as those managing storm systems or green spaces, must understand how they can achieve added value by developing microsymbiosis. We need operators to demonstrate that using drinking water for diverse purposes is inadvisable when other resources, such as rainwater or treated wastewater, can be utilized; that NBS are a very effective solution for water harvesting and recycling; and that WWTPs can operate effectively even during the tourist season. 999 / 1,000 characters	
Interest group	They represent the interests of operators (industry organizations), the scientific sector, businesses, and residents. They represent a very broad spectrum of diverse interest groups that influence local water management. They act as information disseminators, providing knowledge and expertise. They have very strong networks. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 474 / 500 characters	We consider this group to encompass all collaborating entities that represent the interests of various stakeholders, including non-governmental organizations, academia, SMEs, and other relevant entities. They are part of a municipality or region and possess highly specific competencies that can help implement local solutions. They can support local governments and the project organizationally and substantively. We need their extensive expertise and knowledge of the 3Rs solutions (NBS, nutrient balance, stormwater management, tourism, etc.). They are familiar with organizations across various sectors, as well as the contacts and networking they have developed over many years. We will leverage these contacts and expertise. These stakeholders also serve as a conduit for knowledge and expertise to local governments and operators. They will also help us identify the right local stakeholders for capacity building. 921 / 1,000 characters	

3.4 Project objective

Your project objective should contribute to:

Project platforms

Sustainable waters

The project aims to enhance the impact of EU projects and consolidate their benefits for local communities in the BSR and beyond. Thanks to the achievements of 9 projects, we will build local microsymbioses based on water and nutrients. The solutions and stakeholder networks developed will facilitate knowledge transfer, scale up water practices, and strengthen the position of BSR communities. We aim to support TG in establishing water symbioses based on the 3Rs, demonstrating how to implement them in a step-by-step approach. We are raising awareness of the importance of reducing drinking water use where rainwater or reclaimed water can be used. We are emphasizing the role of NBS in water purification and storage, as well as the possibilities for efficient operation of WWTP during the tourist season. Challenges include implementing small-scale solutions such as rain gardens, NBS, retention, balancing nutrients and disinfection methods. We will help TG understand that water and nutrient recovery make sense locally, on a small scale; water symbiosis does not require large investments; it can start with simple initiatives. The involvement of LPA and IPSP, supported by NGOs, universities, and local groups, is crucial. We will work primarily with municipal offices, WWTP, and communal operators.

The project will result in increased stakeholder awareness and skills in the 3R approach. Objectives:

- Establish a network of stakeholders actively exchanging knowledge through events and interactive tools.
- Create resources to support capacity building: information materials, planning tools, guides, mentoring, etc.
- Organize educational activities and workshops, including collaborative rain garden development, NBS design, disinfection selection, IT tools application.
- Provide advice to LPA on the implementation of microsymbioses and foster policy dialogue.
- Supporting TG by providing tools, developing competencies, and strengthening their readiness to implement sustainable water practices.

2,000 / 2,000 characters

3.4.1 Projects involved in the project platform

Full name of the project	Funding source	Project results and outputs to be used in the platform	Platform partners who bring these project results	
ReNutriWater - Closing local water circuits by recirculating nutrients and water and using them in nature 106 / 200 characters	Interreg BSR 12 / 200 characters	Water and nutrient reuse, sharing experience and resources. To share: -WaterSave IT tool: By completing the online questionnaire, it is possible to determine the water and nutrient recovery potential and obtain basic information about technologies to apply. -Mentoring programme: The developed methodology will help continue mentoring new stakeholders and support them in developing local symbiosis -Handbook – as a knowledge acquisition tool about water reclamation and reuse, disinfection methods, organizing meetings with stakeholders, piloting etc. 554 / 1,000 characters	PP 1 - Izba Gospodarcza "Wodociągi Polskie PP 2 - Centrum Balticum Foundation PP 8 - Viešoji įstaiga Nacionalinė regionų plėtros agentūra	
WaterMan - Promoting water reuse in the Baltic Sea Region through capacity building at local level 98 / 200 characters	Interreg BSR 12 / 200 characters	Water reuse, sharing experience and resources, roundtable with public authorities. To share: -Water Recycling Toolbox: ready-made solution examples collected in a study that will serve as case studies and guidelines for new stakeholders. -Expert platform: access to an expert with whom you can schedule an appointment and discuss symbiosis planning. -Roundtable: It's an effective tool to rise awareness. 405 / 1,000 characters	PP 1 - Izba Gospodarcza "Wodociągi Polskie PP 6 - Region Kalmar län	
Aquares - Water reuse policies advancement for resource efficient European regions 83 / 200 characters	Interreg Europe 15 / 200 characters	The goal was to effectively manage water through water reuse, take advantage of the opportunities offered by the water market, and ensure the protection of water bodies. The project supported public authorities in taking action, joining forces, and exchanging experiences. To share -Modular water reuse system, adjusted to different qualities and volumes for industrial use. The solution already has real application in Nordenham WWTP. 437 / 1,000 characters	PP 3 - Oldenburgisch-Ostfriesischer Wasserverband	
NurseCoast II - Model Nutrients Reduction Solutions In Near-Coast Touristic Areas 81 / 200 characters	Interreg BSR 12 / 200 characters	The project addresses seasonal wastewater challenges in coastal tourist areas around the Baltic Sea. Small treatment plants in these regions often lack capacity during peak tourism periods, leading to nutrient discharges that harm the marine environment. The project aims to develop and pilot alternative wastewater treatment solutions adapted to high seasonality, such as nature-based systems, reuse of treated water, and innovative technologies. The project guides public authorities, water companies and tourist businesses on how to reduce seasonal increase in wastewater production and nutrient discharges in touristic areas. To share: -Best Practise report -Experience from pilots 686 / 1,000 characters	PP 4 - Luonnonvarakeskus (Luke)	
NOAH - Protecting Baltic Sea from untreated wastewater spillages during flood events in urban areas 100 / 200 characters	Interreg BSR 12 / 200 characters	The NOAH Approach project involved developing a holistic planning concept and implementing intelligent drainage systems in real-world urban environments. Holistic planning integrates stormwater management with spatial planning. Smart drainage systems were then developed to make existing facilities resilient to the effects of climate change. To share: - A planning guide that takes into account extreme weather layers. It helps reduce uncontrolled stormwater runoff. 468 / 1,000 characters	PP 1 - Izba Gospodarcza "Wodociągi Polskie PP 4 - Luonnonvarakeskus (Luke)	

Full name of the project	Funding source	Project results and outputs to be used in the platform	Platform partners who bring these project results	
VillageWaters - Water emissions and their reduction in village communities villages in Baltic Sea Region as pilots 116 / 200 characters	Interreg BSR 12 / 200 characters	The VillageWaters project aimed to improve wastewater treatment in rural areas of the Baltic Sea region. Its main goal was to reduce nutrient pollution from households not connected to centralized sewage systems. The project focused on identifying cost-effective and environmentally friendly small-scale treatment solutions, testing them in pilot sites, and providing practical tools for households and municipalities. By promoting better wastewater management, VillageWaters supported EU water policy objectives and contributed to improving the ecological status of the Baltic Sea. To share: - Information Tool 615 / 1,000 characters	PP 4 - Luonnonvarakeskus (Luke)	
CityBlues - Bluegreen nature-based solutions for climate change adaptation and citizen wellbeing 96 / 200 characters	Interreg BSR 12 / 200 characters	The project aims to support adaptation to the effects of climate change and to improve the green and blue infrastructure of densifying cities through integrated nature-based solutions (NBS) for urban flooding and storm water management. NBS are multifunctional and cost-effective measures that address societal challenges by protecting, developing or creating ecosystems while promoting biodiversity and human wellbeing. To share: – modeling NBS in stormwater management, results of and analysis when investing in cooperation with municipalities. 547 / 1,000 characters	PP 7 - Universitetet i Stavanger	
NENUPHAR - nutrients recycling and pollution handling 53 / 200 characters	Horizon Europe 14 / 200 characters	By recovering nitrogen and phosphorus from waste streams, the NENUPHAR project aims to provide competitively priced fertilisers and other products for the food value chain while promoting cleaner soil, air, and water systems. Achieving this goal requires significant political, regulatory, and governance efforts to involve all key stakeholders. To share: – GIS Platform to host area-specific maps and enhance N/P data accessibility and analysis – A methodology for estimating N/P emissions from fertiliser application on soil – Capacity building while presenting econoeconomic evaluation of various technologies and processes geared towards recovering N/P from specific waste streams – Handbook with practical recommendations to foster circular N/P value chains 770 / 1,000 characters	PP 8 - Viešoji įstaiga Nacionalinė regionų plėtros agentūra	
CATCH - water sensitive Cities: the Answer To CHallenges of extreme weather events 82 / 200 characters	Interreg North Sea 21 / 200 characters	The overall objective of CATCH was to demonstrate and accelerate the redesign of urban water management of midsize cities in the North Sea Region in order to become climate resilient cities that are sustainable, liveable and profitable on the long term. In the project we have developed material to help midsize cities with guidance, insight and solutions into a suitable climate adaptation strategy. To share: - Smart traffic control and good communication helps to control flooding event - How to develop and communicate a heavy rain hazard map Recommendations and key takeaways on Water Sensitive Communities were developed by the project partners 659 / 1,000 characters	PP 3 - Oldenburgisch-Ostfriesischer Wasserverband	

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

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.

Symbioter directly supports the EUSBSR, with a strong contribution to PA Nutri. By consolidating results from nine projects, Symbioter helps municipalities, water utilities, and operators apply practical solutions that reduce nutrient losses and promote the circular use of water and nutrients. Tools such as nature-based treatment, reclaimed water use, decentralised reuse, and nutrient recovery strengthen local capacity to support PA Nutri Action "Reduce nutrient emissions from wastewater treatment". Thus, Symbioter has strategic importance in the region. The project promotes local water symbioses that connect technical solutions with municipal planning needs, enabling end-users to turn existing knowledge into concrete improvements in wastewater and integrated stormwater management. Cooperation with PA Nutri ensures that Symbioter's results are visible in regional policy discussions and provide background for multilevel dialogue about the implementation of Urban Wastewater Directive in the BSR. With platforms like PA Nutri talks, PA Nutri acts as a multiplier for project outcomes.

1,098 / 1,500 characters

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

Symbioter also contributes to PA Tourism, recognising that sustainable water management is essential for municipalities facing seasonal wastewater challenges due to tourism. The project offers replicable approaches for managing seasonal fluctuations and improving water resilience, the project supports more sustainable tourism. Through targeted dissemination and collaboration with regional networks, Symbioter increases the visibility and uptake of consolidated results, strengthening the region's ability to implement EUSBSR goals.

536 / 1,500 characters

If applicable, please describe how you will engage the coordinators of the EUSBSR policy areas and what their role will be in your platform.

PA Nutri will have an action "Reduce nutrient emissions from wastewater treatment", and under it relevant (for Symbioter) goals are:

- multilevel dialogue about implementation of Urban Wastewater Directive in the BSR
- integrated stormwater management is well-known and practiced in urban areas around the region

312 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

Baltic Sea Action Plan, mainly reducing eutrophication, with its goal of a "Baltic Sea unaffected by eutrophication". Recycling nutrients means fewer artificial fertilisers are used in cities. It also affects the sustainability of the BSR by reducing the use of water from natural resources.

291 / 500 characters

EU Water Resilience Strategy: Nutrient recycling and water reuse transform linear water systems into circular, adaptive, and locally anchored resource cycles. They strengthen water resilience by diversifying water sources, protecting ecosystems, increasing self-sufficiency, mitigating climate risks, and fostering cross-sectoral cooperation. These practices enable communities to withstand shocks more effectively while supporting long-term sustainability and prosperity.

472 / 500 characters

The HE Mission's "Restore our Ocean and Waters" Baltic & North Sea Lighthouse. The project supports reducing nutrient loads and eutrophication, improving water quality, enhancing climate resilience, enabling circular blue economy models, protecting marine biodiversity, and strengthening governance and community capacity.

323 / 500 characters

3.10 Horizontal principles

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

4. Management

Allocated budget

10%

4.1 Project management

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

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

The LP ensures overall strategic and operational project management.

68 / 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 ensures overall strategic and operational project management.

68 / 500 characters

4.3 Input to Programme communication

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

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

Centrum Balticum will manage project communication.

51 / 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		Defining the scope and extent of activities
	Number	Group of Activity Name
	1.1	Defining scope and training sets
	1.2	Elaboration and recruitment for the mentoring program
2		Building capacity
	Number	Group of Activity Name
	2.1	Collaborative learning - Training of trainers
	2.2	Collaborative learning -Training of practitioners
	2.3	Mentoring
3		Consolidating memory and knowledge
	Number	Group of Activity Name
	3.1	Transferring solutions
	3.2	Development of urricula for new generation

Work plan overview

Period: 1 2 3 4 5						Leader
WP.1: Defining the scope and extent of activities						PP5
A.1.1: Defining scope and training sets						PP5
D.1.1: Defined scope and training sets	D					
A.1.2: Elaboration and recruitment for the mentoring program						PP1
D.1.2: Operational Setup of the Mentoring Programme		D				
WP.2: Building capacity						PP7
A.2.1: Collaborative learning - Training of trainers						PP7
D.2.1: Developed training potential (report)		D				
A.2.2: Collaborative learning -Training of practitioners						PP3
O.2.2: Strengthened BSR with a Local 3R Microsymbiosis Action Package				O		
A.2.3: Mentoring						PP5
D.2.3: Cohort of Trained Mentees				D		
WP.3: Consolidating memory and knowledge						PP2
A.3.1: Transferring solutions					D	PP2
D.3.1: Communication and Dissemination Package Ensuring Wide Uptake of Symbioter Result					D	
A.3.2: Development of urricula for new generation						PP4
D.3.2: Curricula for 3R microsymbiosis				D		

Outputs and deliverables overview

Code	Title	Description	Contribution to the output
D 1.1	Defined scope and training sets	This deliverable provides a concept of three Training Packages (TPs) that form the methodological and content foundation for WP2's capacity-building activities. The TPs consolidate and adapt the most valuable results from nine EU projects addressing water reuse, circular economy solutions, wastewater recycling, nutrient recovery, and local water resilience. Although these projects generated numerous tools, guidelines, and case studies, their outputs remain dispersed and difficult for practitioners to apply. Therefore, WP1 organises, synthesises, and structures these materials into coherent, user-oriented knowledge sets tailored to the needs of municipalities and local operators in the Baltic Sea Region. The three Training Packages focus on: REUSE – rainwater and stormwater management, RECYCLE – wastewater treatment and safe reuse, and RECOVER – nutrient recovery and flow monitoring. The deliverable includes a conceptual overview and the structure that will ensure consistency and facilitate application within WP2 activities. The TPs are developed through mapping and analysing relevant outputs, thematic clustering, and a process of mutual learning among partners to ensure shared understanding of results from projects they did not originally participate in. An in-person partner meeting in Poland, followed by online consultations, enables the joint refinement and validation of the TP concepts. This process strengthens the transfer of transnational competence and ensures that WP2 training activities are effective.	Strengthened BSR with a Local 3R Microsymbiosis Action Package
D 1.2	Operational Setup of the Mentoring Programme	This deliverable establishes the operational foundation required to launch and run the project's Mentoring Programme. It translates the programme concept into a functional system supported by clear procedures, tools, and roles, enabling effective knowledge transfer, peer learning, and replication of good practices across the Baltic Sea Region. The operational setup ensures that the Mentoring Programme is ready for implementation within WP2 and fully aligned with the project's overall capacity-building objectives. The deliverable includes a structured framework defining the programme's purpose, target groups, thematic focus areas, and expected outcomes. It sets out criteria for selecting mentors and mentees. The setup also specifies different cooperation formats—such as one-to-one mentoring, peer-to-peer support, and thematic clusters—allowing flexible interaction tailored to the needs and interests of participants. A key component of the deliverable is the design of the recruitment and matching process. It consists of the open call for mentors and mentees, dissemination strategy through partner networks and platforms such as the Baltic Smart Water Hub, and a structured evaluation procedure ensuring balanced representation across regions and stakeholder types. The operational setup outlines how mentors and mentees have been matched based on thematic priorities. The deliverable also includes practical tools and templates needed to run the programme smoothly. Clear descriptions of roles and responsibilities ensure consistent expectations and efficient collaboration. The deliverable enhances transnational cooperation, supports TGs in adopting innovative 3R solutions, and facilitates the replication of best practices from EU projects. The operational setup ensures that the Mentoring Programme contributes directly to building long-term competence and fostering circular water and nutrient management across the Baltic Sea Region.	Strengthened BSR with a Local 3R Microsymbiosis Action Package
D 2.1	Developed training potential (report)	This deliverable provides the full operational design of the training modules that form the basis of the three Training Packages: REUSE, RECYCLE, RECOVER. These modules are refined and serve for the Training of Trainers (ToT). The primary goal is to ensure that project members learn from one another and gain a shared understanding of the results produced by the nine EU projects. Tutors will include project partners as well as invited external experts, while the trained transnational experts will represent partner organisations, associate organisations and key stakeholders. Once trained, they are ready to lead local capacity-building events for municipalities, utilities, and practitioners across the BSR. Each Training Package is divided into thematic modules. TP1: REUSE focuses on rainwater and stormwater management, on the role of stormwater in climate adaptation, heavy-rain hazard mapping, nature-based solutions, smart tools for flood risk management, and stormwater quality monitoring. TP2: RECYCLE covers wastewater management and reuse. Modules address regulations, risk management, solutions for small WWTPs, selection of small-scale wastewater systems, life-cycle management, and modular water reuse systems. TP3: RECOVER focuses on nutrient recovery. Modules introduce the principles of circular water and nutrient management, technologies for phosphorus and nitrogen recovery, and integration of water nutrient recycling for agriculture and industry. Study visits allowed participants to observe local applications and technologies. Together, these modules provide a complete, verified structure for ToT, provides educated trainers and consists educational content for WP2. All training sessions will be an opportunity for international exchange thanks to the knowledge provided by PPs about their projects. This way, each trainer has knowledge about other selected projects, allowing them to share their expertise in GoA2.2. At least 14 trainers will be trained.	Strengthened BSR with a Local 3R Microsymbiosis Action Package

O 2.2	Strengthened BSR with a Local 3R Microsymbiosis Action Package	The outcome captures the tangible strengthening of local and regional capacities across the Baltic Sea Region through the development and uptake of a Local 3R Microsymbiosis Action Package containing verified, tested Training Packages. The package empowers municipalities, utilities, and local practitioners to design and begin implementing practical microsymbiosis concepts that connect REUSE, RECYCLE, and RECOVER approaches to close water and nutrient loops. Through the Training Packages and their modular content, Target Groups gain the capacity, knowledge, and tools to integrate circular water economy into daily operations, strategic planning, and investment processes. Trained experts and mentors support this transformation by guiding practitioners through context-specific applications and helping them adapt project results to local conditions. As part of this outcome, each participating municipality or utility applies at least one new or improved solution co-developed within the project. These may include nature-based solutions for stormwater, decentralised water reuse schemes, nutrient recovery measures, or integrated planning tools. Such practical implementation demonstrates the direct usability of project outputs, ensuring they translate beyond reports into real operational improvements. The Action Package includes Training Packages, transnationally tested tools and blueprints for integrated water and nutrient management, decision-support guidelines and policy recommendations based on field experience, templates, KPIs, and monitoring methods, and a ready-made curriculum that can be used to educate future professionals and continue capacity building beyond the project lifetime. By equipping TGs with actionable knowledge, validated tools, and transnationally shared expertise, this outcome ensures long-lasting impact. The Baltic Sea Region emerges stronger, with municipalities better prepared to implement circular approaches, contribute to EU water and nutrient strategies, and build resilient local systems grounded in 3R microsymbiosis principles.	
D 2.3	Cohort of Trained Mentees	This deliverable presents a group of trained municipalities or water utilities that have actively participated in the project's international mentoring program and have begun developing their own Local Symbiosis Blueprints. These mentees have completed a structured mutual-learning process that supports practical knowledge uptake of water- and nutrient-reuse concepts in their local contexts. Through thematic mentoring cycles the selected entities have been guided by experienced mentors and supported with tools and insights from nine EU-funded projects. The combination of interactive workshops, bilateral mentoring meetings, and tailor-made materials has enabled each mentee to identify its own "local symbiosis challenge," assess opportunities, and begin outlining operational steps for implementing microsymbiosis solutions. The deliverable documents the trained mentee cohort, their thematic focus areas, and the progress achieved during the mentoring process. Each participating municipality or utility has initiated a Local Symbiosis Blueprint, which includes a preliminary work plan addressing improved circular resource flows, early-stage design of new reuse or recovery measures, and strategies to reduce incidents in the wastewater management system. These blueprints are informed by project results such as ReNutriWater's assessment tools, WaterMan's reuse cases, AQUARES technologies, NurseCoast-II's behavioral insights, CityBlues' NBS solutions, and NOAA's extreme weather planning tools. By engaging at least five mentees, the deliverable demonstrates the practical uptake of knowledge, the strengthening of local implementation capacity, and the creation of a foundation for durable circular water solutions across the Baltic Sea Region.	Strengthened BSR with a Local 3R Microsymbiosis Action Package
D 3.1	Communication and Dissemination Package Ensuring Wide Uptake of Symbioter Results	This deliverable provides a comprehensive communication and dissemination package that ensures Symbioter's consolidated results are widely visible, accessible, and usable for stakeholders across the Baltic Sea Region and Ukraine, if possible. It includes the coordinated management of the Symbioter website (hosted on the Interreg BSR platform) and the project's LinkedIn account, ensuring that all relevant materials are regularly published, updated, and easily navigable. As part of this deliverable, a film showcasing the project's integrated 3R solutions is produced and digital channels to reach a shared audience through a broader audience. Symbioter's communication work is strengthened through established cooperation with the Union of the Baltic Cities/Sustainable Cities network and the Baltic Smart Water Hub, enabling targeted outreach to practitioners and decision-makers who can directly apply the project's results. The deliverable also includes policy-focused communication activities. Building on early consultation with EUSBSR PA Nutri, the project co-organises a PA Nutri Talks webinar, providing an accessible platform for disseminating key findings. Two policy dialogue sessions—one with PA Nutri and one with HELCOM—are held to discuss regional challenges, validate policy recommendations, and connect Symbioter's outputs with ongoing nutrient-related processes in the Baltic Sea Region. HELCOM is consulted on policy and governance aspects. Through these targeted activities, the deliverable ensures high visibility and long-term continuity of the nine capitalised projects whose results underpin Symbioter. By making consolidated knowledge available through multiple channels and engaging with strategic policy actors, the deliverable strengthens the potential for wider uptake, replication, and mainstreaming of circular water and nutrient management solutions across the region.	Strengthened BSR with a Local 3R Microsymbiosis Action Package
D 3.2	Curricula for 3R microsymbiosis	Educational package on local 3R Microsymbioses for future professionals provides a comprehensive set of educational materials designed to equip students and young water professionals with the knowledge and skills needed to implement local 3R microsymbioses in the BSR. Building on results, tools, and pilot experiences from nine EU-funded projects, the package translates technical outputs into accessible, practice-oriented learning resources that address the gap between research and real-world application. The educational package compiles consolidated knowledge, including case studies demonstrating practical approaches to water reuse, nutrient recovery, nature-based solutions, and circular water management. It includes problem-based learning exercises inspired by real challenges faced by municipalities and utilities during local visits ("local vision" tasks), helping learners understand how solutions can be adapted to diverse local contexts. Materials are prepared in multiple didactic formats, including fact sheets, short videos, interactive assignments, and structured teaching modules, allowing for flexible use in university courses, vocational training, and professional development programs. The educational package will be disseminated through partner universities, water associations, professional networks, and open educational platforms, ensuring broad and long-term accessibility. By embedding the outcomes of EU projects into formal and informal education systems, this deliverable strengthens the long-term capacity-building framework for the region. It helps ensure that the next generation of engineers, operators, local decision-makers, and policy specialists are prepared to design and implement integrated water and nutrient symbioses, contributing to a resilient and resource-efficient Baltic Sea Region.	Strengthened BSR with a Local 3R Microsymbiosis Action Package

Work package 1

5.1 Title of the work package

Defining the scope and extent of activities

43 / 100 characters

5.2 Aim of this work package

WP 1 focuses on establishing a foundation for effective capacity building and mentoring. Its primary goal is to consolidate existing knowledge, organize it into structured training materials, and prepare an inclusive recruitment process for the Mentoring Program.

In WP1, we will detail the scope of topics selected during the project preparation phase. We will also identify knowledge and competency gaps among the Partners and a timeline for addressing them.

A key task is to develop three Training Packages (TPs) tailored to the needs of municipalities and operators. These packages will address: REUSE (rainwater reuse and stormwater management), RECYCLE (wastewater treatment and reuse), and RECOVER (nutrient recovery and circular resource use). They will be based on the results and best practices from the nine EU projects we selected. The partners will jointly analyze, adapt, and systematize these materials, ensuring their practical relevance for local and regional stakeholders. The Training Packages will contain synthesized knowledge, guidelines, case studies, tools, templates, KPIs, and monitoring methods. Their structure and suitability will be verified through partner consultations, a face-to-face meeting, and a series of six online sessions. The second key task of WP1 is to recruit and match participants with the Mentoring Program. This includes developing the program framework, defining criteria for selecting mentors and mentees, and developing collaborative formats such as individual mentoring and thematic peer-to-peer learning groups. An open call, distributed through partner networks and the Baltic Smart Water Hub, will ensure broad participation in the program across the region. Mentors and mentees will be selected to maximize the potential for practical learning and replication. By establishing a well-developed mentor-mentee network, WP1 lays the groundwork for cross-sectoral cooperation, knowledge transfer, and the implementation of solutions within WP2.

1,997 / 2,000 characters

5.3 Work package leader

Work package leader 1	PP 5 - Warsaw University of Technology
Work package leader 2	PP 8 - Public Institution National regions development agency

5.4 Work package budget

Work package budget	15%
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5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority They are responsible for managing and coordinating municipal services, organizing social life, and have knowledge of local operators, communities, local needs, and competency gaps. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 328 / 500 characters	We will interact with this TG group to consult on the TPs we are developing. This TG will be needed to comment on the usability and understandability of the TPs. Some entities have already been invited to the project and are AOs, while others will be encouraged to collaborate. We already know that interest is high; we have built a network thanks to nine ongoing projects. We will leverage our own networking and professional relationships, social media, and networks of industry organizations and universities. At this stage, we will build their awareness to fully engage them in WP2. 586 / 1,000 characters
2	Infrastructure and public service provider They are responsible for providing municipal services and operating and maintaining infrastructure. These entities (public and private) are responsible for wastewater and stormwater management, maintaining urban greenery, maintaining order and cleanliness in the municipality, maintaining municipal recreational infrastructure, and more. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 485 / 500 characters	We will interact with this TG group to consult on the TPs we are developing. This TG will be needed to comment on the usability and understandability of the TPs. Some entities have already been invited to the project and are AOs, while others will be encouraged to collaborate. We already know that interest is high; we have built a network thanks to nine ongoing projects. We will leverage our own networking and professional relationships, social media, and networks of industry organizations and universities. At this stage, we will build their awareness to fully engage them in WP2. 586 / 1,000 characters
3	Interest group They represent the interests of operators (industry organizations), the scientific sector, businesses, and residents. They represent a very broad spectrum of diverse interest groups that influence local water management. They act as information disseminators, providing knowledge and expertise. They have very strong networks. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 474 / 500 characters	This group is intended to support awareness-building. We will primarily use it as a conduit for stakeholders to discuss ideas. This group has extensive networking, which we will leverage to build a networking program. We will leverage their media, contacts, and outreach channels to advertise our search for mentees. 316 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	Defining scope and training sets
1.2	Elaboration and recruitment for the mentoring program

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader

PP 5 - Warsaw University of Technology

A 1.1

5.6.2 Title of the group of activities

Defining scope and training sets

33 / 100 characters

5.6.3 Description of the group of activities

Effective capacity building in the water sector requires a strong foundation built on existing knowledge, proven solutions, and transferable results from earlier initiatives. The 9 EU projects have produced valuable outputs addressing water reuse, the CE, nutrient recovery, and local water resilience. However, they are often fragmented, difficult to access, and not systematically applied. Therefore, the first step of the project is to define coherent sets of capacity-building activities that organise, adapt, and consolidate existing results into structured knowledge packages. These will form the basis for WP2.

Within WP1, we will prepare three Training Packages (TPs) to tailor them to the specific needs of municipalities and operators: REUSE rainwater & stormwater management (based on WaterMan, CATCH, CityBLues, NOAH), RECYCLE wastewater (based on WaterMan, ReNutriWater, SQUARES, NurseCoast-II, VillageWaters), RECOVER nutrients and follow their flows (ReNutriWater, NurseCoast-II, NENUPHAR).

These needs have been identified through completed and ongoing projects, but still require refinement and knowledge exchange among partners. Through mutual learning, the partnership will build the competence needed to share and translate diverse project outcomes. We will create a team of several dozen experts prepared to disseminate both their own experience and the knowledge acquired through the remaining projects to build competencies in the BSR. Even if partners did not participate in all earlier projects, they will become familiar with the relevant outputs and their practical applications.

The aim of this GoA is to describe and prepare structured Training Packages based on results from 9 projects. These TPs will provide a coherent foundation for knowledge transfer, training, and stakeholder engagement in WP2&3.

Key activities include mapping and analysing selected results, with particular attention to their practical value for TGs. Materials will be thematically grouped and complemented according to issues related to building local water- and nutrient-based symbioses. This approach will support a better understanding of mutual opportunities and cooperation networks among partners.

A joint validation process with project partners will ensure the usability and consistency of the toolkits across regions. As part of this GoA, we will organise an in-person partner meeting in PL to define the outline of the training packages. During online sessions, we will exchange information, train one another, and consult experts on the proposed concepts.

This GoA will strengthen the capitalization and continuity of existing project outcomes, support transnational learning and competence transfer, and ensure that future training modules and educational materials are grounded in scientifically sound, field-tested, and regionally relevant knowledge.

2,873 / 3,000 characters

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



D 1.1

Title of the deliverable

Defined scope and training sets

32 / 100 characters

Description of the deliverable

This deliverable provides a concept of three Training Packages (TPs) that form the methodological and content foundation for WP2’s capacity-building activities. The TPs consolidate and adapt the most valuable results from nine EU projects addressing water reuse, circular economy solutions, wastewater recycling, nutrient recovery, and local water resilience. Although these projects generated numerous tools, guidelines, and case studies, their outputs remain dispersed and difficult for practitioners to apply. Therefore, WP1 organises, synthesises, and structures these materials into coherent, user-oriented knowledge sets tailored to the needs of municipalities and local operators in the Baltic Sea Region. The three Training Packages focus on: REUSE – rainwater and stormwater management, RECYCLE – wastewater treatment and safe reuse, and RECOVER – nutrient recovery and flow monitoring. The deliverable includes a conceptual overview and the structure that will ensure consistency and facilitate application within WP2 activities. The TPs are developed through mapping and analysing relevant outputs, thematic clustering, and a process of mutual learning among partners to ensure shared understanding of results from projects they did not originally participate in. An in-person partner meeting in Poland, followed by online consultations, enables the joint refinement and validation of the TP concepts. This process strengthens the transfer of transnational competence and ensures that WP2 training activities are effective.

1,536 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5
WP.1: Defining the scope and extent of activities					
A.1.1: Defining scope and training sets					
D.1.1: Defined scope and training sets					

WP 1 Group of activities 1.2

5.6.1 Group of activities leader

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

A 1.2

5.6.2 Title of the group of activities

Elaboration and recruitment for the mentoring program

53 / 100 characters

5.6.3 Description of the group of activities

Building the capacity of local and regional stakeholders in the water sector requires the active engagement of motivated participants who are ready to apply new knowledge, test innovative solutions, and share practical experiences within their own operational contexts. To maximise the impact of the project's capacity-building activities, a structured and well-designed recruitment process for the Mentoring Programme is crucial. This GoA focuses on identifying and selecting suitable mentees (e.g., municipalities, utilities, local planners, environmental departments) as well as mentors (e.g., experienced project partners, thematic experts, pilot leaders or practitioners involved in previous EU initiatives). Selected participants will engage in tailored knowledge transfer, co-learning processes, and the replication of good practices across the Baltic Sea Region. The main objective of this activity is to establish an open, transparent, and inclusive recruitment and matching process for the Mentoring Programme, ensuring that relevant and committed stakeholders from different parts of the region are involved. The GoA includes developing the overall framework of the Mentoring Programme, including clear selection criteria for mentors and mentees, definition of expected roles and responsibilities, and formats of cooperation such as one-to-one mentoring, peer-to-peer learning, small thematic clusters, and problem-solving groups. The programme will be promoted through an open call disseminated via partners' networks, national and regional platforms, and the Baltic Smart Water Hub to reach a wide range of interested actors. During the evaluation and selection stage, we will ensure a balanced representation of geographical regions, organizational types, and thematic priorities relevant to the 3R approach. The matching process will pair mentors and mentees according to thematic needs such as stormwater management, wastewater recycling, or nutrient recovery, ensuring that each mentee receives tailored support aligned with their local challenges and interests. This GoA will lay the foundation for effective knowledge transfer and structured peer learning within WP2. By bringing together practitioners, local authorities, researchers, and operators, the Mentoring Programme will strengthen cross-sectoral cooperation, foster transnational partnerships, and contribute directly to the uptake, scaling, and replication of good practices developed in previous and ongoing water projects. Ultimately, it will support the creation of a skilled community capable of advancing circular water and nutrient management across the Baltic Sea Region.

2,658 / 3,000 characters

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



D 1.2

Title of the deliverable

Operational Setup of the Mentoring Programme

44 / 100 characters

Description of the deliverable

This deliverable establishes the operational foundation required to launch and run the project's Mentoring Programme. It translates the programme concept into a functional system supported by clear procedures, tools, and roles, enabling effective knowledge transfer, peer learning, and replication of good practices across the Baltic Sea Region. The operational setup ensures that the Mentoring Programme is ready for implementation within WP2 and fully aligned with the project's overall capacity-building objectives. The deliverable includes a structured framework defining the programme's purpose, target groups, thematic focus areas, and expected outcomes. It sets out criteria for selecting mentors and mentees. The setup also specifies different cooperation formats—such as one-to-one mentoring, peer-to-peer support, and thematic clusters—allowing flexible interaction tailored to the needs and interests of participants. A key component of the deliverable is the design of the recruitment and matching process. It consists of the open call for mentors and mentees, dissemination strategy through partner networks and platforms such as the Baltic Smart Water Hub, and a structured evaluation procedure ensuring balanced representation across regions and stakeholder types. The operational setup outlines how mentors and mentees have been matched based on thematic priorities. The deliverable also includes practical tools and templates needed to run the programme smoothly. Clear descriptions of roles and responsibilities ensure consistent expectations and efficient collaboration. The deliverable enhances transnational cooperation, supports TGs in adopting innovative 3R solutions, and facilitates the replication of best practices from EU projects. The operational setup ensures that the Mentoring Programme contributes directly to building long-term competence and fostering circular water and nutrient management across the Baltic Sea Region.

1,955 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5

WP.1: Defining the scope and extent of activities

A.1.2: Elaboration and recruitment for the mentoring program

D.1.2: Operational Setup of the Mentoring Programme

Work package 2

5.1 Title of the work package

Building capacity

18 / 100 characters

5.2 Aim of this work package

WP 2 develops and implements a comprehensive capacity-building programme that enhances the practical skills of water-sector stakeholders across the Baltic Sea Region. It builds on the Training Packages (TPs) and modules drafted in WP1, adjusts them to stakeholders’ needs, and transforms them into collaborative learning processes, practitioner training, and transnational mentoring. The first step is Training of Trainers (ToT). PPs experts will be trained in the three TPs: REUSE, RECYCLE, and RECOVER, through online and in-person sessions. Based on results from selected projects, experts will gain practical competence in stormwater management, wastewater recycling, and nutrient recovery. Trained experts will later deliver local capacity-building activities in their regions. The second step consists of Training of Practitioners (ToP). At least 12 local capacity-building events will be organised in DE, FI, LT, NO, PL, SE. Using refined modules and locally adapted methods like workshops, co-creation, gamification, field demonstrations, pilot visits etc., stakeholders will learn how to apply water–nutrient symbiosis principles in daily operations and planning. Experts will support local assessments, leading to co-developed guidelines. Three municipalities will prepare dedicated “microsymbiosis” water management concepts using tools such as the WaterMan Toolkit, the ReNutriWater IT Tool, NurseCoast-II results, and the NOAH Extreme Weather Layer. WP2 concludes with a hybrid event summarising achievements. At the same time the WP implements the transnational Mentoring Programme. Selected municipalities and utilities will be paired with experienced mentors to address specific challenges. In bilateral sessions and joint workshops, mentees will develop local symbiosis roadmaps using results from nine projects. At least one blueprint for local symbiosis will be produced, supporting long-term knowledge capitalization and strengthening regional cooperation.

1,976 / 2,000 characters

5.3 Work package leader

Work package leader 1	PP 7 - University of Stavanger
Work package leader 2	PP 3 - Waterboard of Oldenburg and East Frisia

5.4 Work package budget

Work package budget 50%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority They are responsible for managing and coordinating municipal services, organizing social life, and have knowledge of local operators, communities, local needs, and competency gaps. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 328 / 500 characters	LPA and operators are essential in WP2. The project is based on their engagement, as all activities related to the capacity building, training, and knowledge transfer will be available directly within the municipalities. We will identify and contact LPA through multiple communication channels, including affiliated connections with AOs, publications in industry media and articles, event-related articles and newsletters, participation in conferences and external events, supported by the PPs network. Once we identify those interested LPAs, we will tailor modules to their specific needs and competency gaps. We recognize that the requirements for individual modules may vary, but our experience has been that all modules address the challenges well, prioritizing our target groups. 784 / 1,000 characters
2	Infrastructure and public service provider They are responsible for providing municipal services and operating and maintaining infrastructure. These entities (public and private) are responsible for wastewater and stormwater management, maintaining urban greenery, maintaining order and cleanliness in the municipality, maintaining municipal recreational infrastructure, and more. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 485 / 500 characters	Public service operators are closely linked to municipalities and play a key role in implementing solutions at the micro-level. They bring technical expertise and have access to infrastructure that can be used to demonstrate and share their expertise. Their involvement ensures that learning translates directly into practice, supporting the long-term implementation of water symbiosis based on the 3Rs. Outreach activities will rely on PPs' contacts, arrangements with participating municipalities, and channels similar to those for LPAs. Sometimes, the LPA is also the operator, so engagement and networking activities must be coordinated. 641 / 1,000 characters
3	Interest group They represent the interests of operators (industry organizations), the scientific sector, businesses, and residents. They represent a very broad spectrum of diverse interest groups that influence local water management. They act as information disseminators, providing knowledge and expertise. They have very strong networks. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine. 474 / 500 characters	All target groups identified for the project are relevant to this work package. Interest groups, as well as NGOs, universities, and regional organizations, may participate in the project as facilitators or multipliers; however, they are not the primary beneficiaries of the work package. Their participation will be optional and based on added value, not mandatory involvement. This group is quite diverse and will serve as a transmission channel to LPAs and operators, complementing competencies and also advising on where to look for competency gaps. This TG is already well-recognized, as PPs collaborate with it. It can fill its own competency gaps but can also provide knowledge and expertise to other groups. 714 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	Collaborative learning - Training of trainers
2.2	Collaborative learning -Training of practitioners
2.3	Mentoring

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 7 - University of Stavanger

A 2.1

5.6.2 Title of the group of activities

Collaborative learning - Training of trainers

46 / 100 characters

5.6.3 Description of the group of activities

The three TPs: REUSE, RECYCLE, RECOVER, will be divided into modules. In GoA 2.1, we will adjust modules and train the transnational experts through capacity-building events. The primary objective is for project members to learn from one another about the 9 projects+results. The tutors can be from PPs and the invited speakers. The transnational experts represent the PPs members, experts from AO, and stakeholders who are invited to support the project. Trained experts will later lead the capacity-building events among local practitioners in their regions.
TOT will be done based on the TPs' modules (the content of the modules will be refined in WP1and WP2).

TP1: REUSE rainwater & stormwater management. Modules:

The Role of Stormwater in Climate Change Adaptation (CATCH): Extreme weather events, heavy rain hazard map and the use of sensory.
Nature-Based Solutions in Cities (CityBlues): Rain gardens, biofiltration, retention basins, blue-green infrastructure and its benefits.
Smart Tools for Flood Risk Management (NOAH): Extreme Weather Layer (EWL).
Stormwater quality in coastal municipalities in the Baltic Sea Region (NOAH): monitoring.
Study visit focusing on observation, familiarisation with local practices, and knowledge exchange.

TP2: RECYCLE wastewater. Modules:

Basics of Wastewater Management and Regulation (ReNutriWater, WaterMan): EU and national requirements for water reuse, environmental permit and risk management principles.
Nature-Based Solutions for Small Treatment Plants (NurseCoast-II): Constructed wetlands, nano-bubble aeration, managing seasonality in tourist destinations.
Small-Scale Wastewater Systems (NurseCoast-II, VillageWaters): Tools for selecting the right wastewater treatment, with cost-effective and environmentally friendly options.
Life-cycle Management (NurseCoast-II, VillageWaters): How to minimize the environmental, economic, and social impacts of a wastewater treatment system throughout its entire life cycle, from construction and operation to decommissioning.
Modular water reuse system (AQUARES, WaterMan, ReNutriWater): Municipal wastewater for different uses, Water Recycling Toolbox,n ITTool
Study visit focusing on observation, familiarisation with local practices, and knowledge exchange.

TP3: RECOVER nutrients. Modules:

Principles of Nutrient Recovery and Circular Water Economy (All): PANutri and collaboration models between municipalities, water utilities, and businesses.
Technologies for Nutrient Recovery (NENUPHAR, ReNutriWater): Phosphorus and nitrogen recovery from sludge, manure and wastewater, innovative treatment processes and pilot examples, economic incentives and governance models.
Integrating Water Reuse and Nutrient Recovery (, WaterMan): Combining water recycling with nutrient recovery for agriculture and industry, practical applications and safety considerations.
Study visit focusing on observation, familiarisation with local practices, and knowledge exchange.
A meeting in LT will be organized.

3,000 / 3,000 characters

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

D 2.1

Title of the deliverable

Developed training potential (report)

37 / 100 characters

Description of the deliverable

This deliverable provides the full operational design of the training modules that form the basis of the three Training Packages: REUSE, RECYCLE, RECOVER. These modules are refined and serve for the Training of Trainers (ToT). The primary goal is to ensure that project members learn from one another and gain a shared understanding of the results produced by the nine EU projects. Tutors will include project partners as well as invited external experts, while the trained transnational experts will represent partner organisations, associate organisations and key stakeholders. Once trained, they are ready to lead local capacity-building events for municipalities, utilities, and practitioners across the BSR. Each Training Package is divided into thematic modules.

TP1: REUSE focuses on rainwater and stormwater management, on the role of stormwater in climate adaptation, heavy-rain hazard mapping, nature-based solutions, smart tools for flood risk management, and stormwater quality monitoring.

TP2: RECYCLE covers wastewater management and reuse. Modules address regulations, risk management, solutions for small WWTPs, selection of small-scale wastewater systems, life-cycle management, and modular water reuse systems.

TP3: RECOVER focuses on nutrient recovery. Modules introduce the principles of circular water and nutrient management, technologies for phosphorus and nitrogen recovery, and integration of water nutrient recycling for agriculture and industry.

Study visits allowed participants to observe local applications and technologies.

Together, these modules provide a complete, verified structure for ToT, provides educated trainers and consists educational content for WP2.

All training sessions will be an opportunity for international exchange thanks to the knowledge provided by PPs about their projects.

This way, each trainer has knowledge about other selected projects, allowing them to share their expertise in GoA2.2.

At least 14 trainers will be trained.

1,991 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

5.6.6 Timeline

	Period: 12345				
WP.2: Building capacity					
A.2.1: Collaborative learning - Training of trainers					
D.2.1: Developed training potential (report)					

WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 3 - Waterboard of Oldenburg and East Frisia

A 2.2

5.6.2 Title of the group of activities

Collaborative learning -Training of practitioners

50 / 100 characters

5.6.3 Description of the group of activities

With a refined, stakeholder-focused Training Packages (TP) structure, the project will transfer knowl. and experience to local actors. Stakeholders will gain access to modular training components developed according to the expertise of PPs, allowing them to select the content most relevant to their needs. This flexible approach ensures that capacity-building activities remain responsive, practical, and directly applicable in diverse local contexts.

In GoA2.2, we will organise at least 12 local capacity-building events across NO,PL, DE, FI, SE, LT..Each event will be adapted to the local context, thematic priorities, and administrative capacity of participating local public authorities and infrastructure and public service providers. To maximise accessibility and engagement, activities will be conducted in local languages and supported by context-appropriate educational tools developed in GoA2.1. The modules will incorporate a wide range of capacity-building methods, from workshop formats and facilitated co-creation to gamification, field demonstrations, and interactive exercises. hese approaches will empower practitioners and municipal staff to better understand the principles of water–nutrient symbiosis and to apply them in long-term planning and daily operations.

As part of the learning process, on-site workshops hosted on pilot infrastr will be delivered by trained experts PP institutions. Experts with hands-on pilot experience will support local assessments in selected municipalities, helping identify challenges, opportunities, technical or organisational solutions. Building on these local insights, municipalities will be invited to co-development workshops, during which tailored guidelines for local w.w. or resource management solutions will be jointly prepared.Based on the TP and the outcomes of these local workshops, 3 municipalities will develop dedicated water mgt. concepts (microsymbioses). These concepts will integrate tools and results from initiatives, incl. WaterMan Toolkit, ReNutriWater IT Tool, outcomes from Nursecoast-II sites, NOAH's Extreme Weather Layer. By combining practical tools with expert facilitation, municipalities will receive a clear, evidence-based pathway for implementing improved water and nutrient recovery measures.

Through these activities, multiple locations across the BSR will be strengthened with new competencies, practical insights, and context-specific solutions.The GoA will ultimately enhance local resilience, support the uptake of innovative practices, and contribute to the wider replication of water-smart approaches throughout the region.In this way,we will bridge competence gaps - all partners will be able to use all modules, incl. projects they did not participate.

The module materials and training videos will be available to the public. We will provide all materials upon request.

A meeting will be held in Kalmar, with workshops and policy discussions. A hybrid event will be organized to close WP2.

2.997 / 3.000 characters

5.6.5 This group of activities leads to the development of an output



O 2.2

Title of the output

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

Description of the output

The outcome captures the tangible strengthening of local and regional capacities across the Baltic Sea Region through the development and uptake of a Local 3R Microsymbiosis Action Package containing verified, tested Training Packages. The package empowers municipalities, utilities, and local practitioners to design and begin implementing practical microsymbiosis concepts that connect REUSE, RECYCLE, and RECOVER approaches to close water and nutrient loops. Through the Training Packages and their modular content, Target Groups gain the capacity, knowledge, and tools to integrate circular water economy into daily operations, strategic planning, and investment processes. Trained experts and mentors support this transformation by guiding practitioners through context-specific applications and helping them adapt project results to local conditions.

As part of this outcome, each participating municipality or utility applies at least one new or improved solution co-developed within the project. These may include nature-based solutions for stormwater, decentralised water reuse schemes, nutrient recovery measures, or integrated planning tools. Such practical implementation demonstrates the direct usability of project outputs, ensuring they translate beyond reports into real operational improvements.

The Action Package includes Training Packages, transnationally tested tools and blueprints for integrated water and nutrient management, decision-support guidelines and policy recommendations based on field experience, templates, KPIs, and monitoring methods, and a ready-made curriculum that can be used to educate future professionals and continue capacity building beyond the project lifetime.

By equipping TGs with actionable knowledge, validated tools, and transnationally shared expertise, this outcome ensures long-lasting impact. The Baltic Sea Region emerges stronger, with municipalities better prepared to implement circular approaches, contribute to EU water and nutrient strategies, and build resilient local systems grounded in 3R microsymbiosis principles.

2,089 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?	
Target group 1 Local public authority They are responsible for managing and coordinating municipal services, organizing social life, and have knowledge of local operators, communities, local needs, and competency gaps. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	LPA, together with operators and stakeholders across the wider BSR and Ukraine, will directly apply the Local 3R Microsymbiosis Action Package in their everyday responsibilities. As actors who manage municipal services, coordinate local development, and understand community needs and competency gaps, they are well-positioned to integrate the selected 3R modules into local planning, investment strategies, and operational routines. They will use the training materials. Their practical knowledge of local operators and communities enables them to adopt tools, guidelines, and templates for designing small-scale “microsymbiosis” systems, improving workflows, and strengthening cooperation between sectors. Trained experts within their organisations will lead further learning, as part of long-term municipal practices. Through established networks with AOs, these approaches will also be disseminated to additional Baltic countries and Ukraine, thereby extending their impact region-wide.	990 / 1,000 characters
Target group 2 Infrastructure and public service provider They are responsible for providing municipal services and operating and maintaining infrastructure. These entities (public and private) are responsible for wastewater and stormwater management, maintaining urban greenery, maintaining order and cleanliness in the municipality, maintaining municipal recreational infrastructure, and more. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	Operators, in collaboration with LPA and stakeholders across the wider BSR and Ukraine, will directly apply the Local 3R Microsymbiosis Action Package in their daily responsibilities. As actors who manage municipal services, coordinate local development, and understand community needs and competency gaps, they are well-positioned to integrate the selected 3R modules into local planning, investment strategies, and operational routines. They will use the training materials. Their practical knowledge of local operators and communities enables them to adopt tools, guidelines, and templates for designing small-scale “microsymbiosis” systems, improving workflows, and strengthening cooperation between sectors. Trained experts within their organisations will lead further learning, as part of long-term municipal practices. Through established networks with AOs, these approaches will also be disseminated to additional Baltic countries and Ukraine, thereby extending their impact across the region	1,000 / 1,000 characters
Target group 3 Interest group They represent the interests of operators (industry organizations), the scientific sector, businesses, and residents. They represent a very broad spectrum of diverse interest groups that influence local water management. They act as information disseminators, providing knowledge and expertise. They have very strong networks. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	Stakeholders across the Baltic Sea region and Ukraine will directly implement the 3R Microsymbiosis Local Action Package in their daily work. They will benefit from training materials, a student learning program, and expert mentoring. Their practical knowledge will strengthen collaboration across sectors. Trained experts within their organizations will be able to disseminate this knowledge. Through established networks with alternative organizations, these approaches will also be disseminated to other Baltic countries and Ukraine, thus increasing their impact throughout the region.	588 / 1,000 characters

Durability of the output

The durability of this outcome is ensured through long-lasting knowledge, skills, and cooperation embedded in the Baltic Sea Region. Trained individuals retain practical experience that they continue applying and developing in their organisations beyond the project. The Training Packages remain publicly available, enabling more municipalities, utilities, and practitioners to use the materials and join a growing community that builds on results from EU projects. The ready-made curriculum ensures that students and future professionals will be educated using the project's outputs, extending impact to the next generation. All partners share and continue implementing the Action Plan, keeping its principles active in local planning and investment processes. The project also establishes lasting collaborations with associate organisations and other stakeholders, creating a stable network that supports ongoing knowledge exchange and replication of 3R microsymbiosis solutions across the region.

999 / 1,000 characters

5.6.6 Timeline

Period: 12345					
WP.2: Building capacity					
A.2.2: Collaborative learning -Training of practitioners					
O.2.2: Strengthened BSR with a Local 3R Microsymbiosis Action Package					

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 5 - Warsaw University of Technology

A 2.3

5.6.2 Title of the group of activities

Mentoring

10 / 100 characters

5.6.3 Description of the group of activities

The program is based on a structured mechanism for mutual learning and knowledge transfer between experienced organizations and new stakeholders. Its overall goal is to create and implement an international mentoring program for municipalities and water utilities, enabling them to develop local aquatic microsymbioses based on water and nutrient reuse. The program aims to support the exchange of practical skills, stimulate local innovation, foster cross-sectoral collaboration, and capitalize on knowledge generated in existing EU-funded projects. The mentoring program will operate in thematic cycles. Each cycle will focus on a specific topic such as water reuse and circularity, nutrient recovery, stormwater recycling, the implementation of nature-based solutions, or the use of digital tools and performance management systems. Themes will be selected through an initial interview with each mentee to ensure that the mentoring process is tailored to local needs. The learning process will combine interactive workshops, bilateral mentoring meetings, and online materials, supported by case studies from relevant Interreg and Horizon projects. Mentees will be encouraged to define local “symbiosis challenges” and, with mentor support, develop a draft local symbiosis roadmap. A joint session will allow partners to exchange experiences, discuss barriers, and validate the proposed solutions. The program will make use of selected tools and deliverables from nine EU projects, organized thematically into opportunity sets, inclu. These include: ReNutriWater -tools for assessing water and nutrient recovery potential and guidance for building local symbioses WaterMan -practical case studies and expert knowledge on municipal water reuse solutions AQUARES -adaptable water reuse technologies for municipal and industrial applications NurseCoast-II -insights into behavioral and social factors influencing wastewater production CityBlues -integration of nature-based solutions for flood protection and urban water resilience NENUPHAR -analytical support and policy tools for nutrient management strategies CATCH -how to develop and communicate a heavy rain hazard map Village Waters -Information Tool NOAH -a planning guide that takes into account extreme weather layers. By translating project results into practical learning opportunities, the mentoring program will strengthen local implementation capacity, enhance transnational peer-to-peer exchange, and support long-term cooperation among stakeholders. It will build on the achievements of previous initiatives, ensuring continuity, visibility, and durable impact across the Baltic Sea Region. As a key output, at least one Local Symbiosis Plan will be developed within the program. Moreover a blueprint will be developed for the mentee local governments. The Blueprint will contain a work plan for the municipality and its experts to reduce the number of incidents in the wastewater management system.

2,965 / 3,000 characters

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



D 2.3

Title of the deliverable

Cohort of Trained Mentees

25 / 100 characters

Description of the deliverable

This deliverable presents a group of trained municipalities or water utilities that have actively participated in the project’s international mentoring program and have begun developing their own Local Symbiosis Blueprints. These mentees have completed a structured mutual-learning process that supports practical knowledge uptake of water- and nutrient-reuse concepts in their local contexts. Through thematic mentoring cycles the selected entities have been guided by experienced mentors and supported with tools and insights from nine EU-funded projects. The combination of interactive workshops, bilateral mentoring meetings, and tailor-made materials has enabled each mentee to identify its own “local symbiosis challenge,” assess opportunities, and begin outlining operational steps for implementing microsymbiosis solutions. The deliverable documents the trained mentee cohort, their thematic focus areas, and the progress achieved during the mentoring process. Each participating municipality or utility has initiated a Local Symbiosis Blueprint, which includes a preliminary work plan addressing improved circular resource flows, early-stage design of new reuse or recovery measures, and strategies to reduce incidents in the wastewater management system. These blueprints are informed by project results such as ReNutriWater’s assessment tools, WaterMan’s reuse cases, AQUARES technologies, NurseCoast-II’s behavioral insights, CityBlues’ NBS solutions, and NOAH’s extreme weather planning tools. By engaging at least five mentees, the deliverable demonstrates the practical uptake of knowledge, the strengthening of local implementation capacity, and the creation of a foundation for durable circular water solutions across the Baltic Sea Region.

1,758 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

5.6.6 Timeline

	Period: 12345				
WP.2: Building capacity					
A.2.3: Mentoring					
D.2.3: Cohort of Trained Mentees					

Work package 3

5.1 Title of the work package

Consolidating memory and knowledge

34 / 100 characters

5.2 Aim of this work package

WP3 ensures that Symbioter’s knowledge, tools, and good practices are communicated effectively, made accessible for diverse user groups, and connected to ongoing policy processes in the Baltic Sea Region. By integrating communication, education, and policy dialogue, WP3 supports the uptake, replication, and long-term use of project results. It strengthens visibility in strategic regional networks, aligns outcomes with EUSBSR objectives, and amplifies the results of WP1 and WP2 by translating them into clear, actionable messages for municipalities, operators, local authorities, policymakers, and interest groups.

Policy dialogue sessions with PA Nutri and HELCOM guide aligning outputs with regional nutrient management priorities and the implementation of the Urban Wastewater Directive and Baltic Sea Action Plan. Cooperation with these organisations ensures Symbioter results are presented on regional platforms, informing multilevel policy discussions and acting as multipliers of project outcomes. Organising a PA Nutri Talk further reinforces the project’s role as an operation of strategic importance.

WP3 translates knowledge from nine EU-funded (Interreg and Horizon) projects into educational materials for higher education. Engaging students and young professionals prepares the next generation of experts capable of implementing water and nutrient recycling practices and building local water symbioses.

In parallel, WP3 facilitates the creation of blueprints and practical work plans for municipalities, helping them adopt combined solutions and implement local improvements in wastewater and stormwater management. All communication and educational processes are interactive, iterative, and feedback-driven, ensuring that materials and tools reflect real stakeholder needs.

Through these activities, WP3 fosters a well-connected network of stakeholders, supporting the widespread adoption and integration of Symbioter results into long-term regional strategies.

1,981 / 2,000 characters

5.3 Work package leader

Work package leader 1	PP 2 - Centrum Balticum Foundation
Work package leader 2	PP 1 - Chamber of Economy "Polish Waterworks"

5.4 Work package budget

Work package budget 25%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority They are responsible for managing and coordinating municipal services, organizing social life, and have knowledge of local operators, communities, local needs, and competency gaps. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	LPAs will be engaged in disseminating information about the project, their products, and their achievements. We will participate in local government meetings and share our knowledge and expertise with them. LPAs will be engaged throughout the project and events involving them will be promoted.
2	Infrastructure and public service provider They are responsible for providing municipal services and operating and maintaining infrastructure. These entities (public and private) are responsible for wastewater and stormwater management, maintaining urban greenery, maintaining order and cleanliness in the municipality, maintaining municipal recreational infrastructure, and more. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	We will engage infrastructure and public service providers through direct municipal cooperation, practical on-site activities, tailored technical communication, inclusion in training and mentoring, use of real facilities as learning environments, and continuous co-creation. This ensures strong ownership, high relevance, and long-term adoption of project solutions. Public service providers will be fully integrated into capacity-building workshops, mentoring programmes, technical modules on water reuse, nutrient recovery, NBS, and emergency management. Some operators will also act as mentees, gaining personalised guidance on implementing micro-symbiosis models. We will apply a feedback-based approach in which operators help shape the content of training modules, the design of blueprints for municipalities, and recommendations for policy and practice. Their operational experience ensures that project outputs are realistic and applicable.
3	Interest group They represent the interests of operators (industry organizations), the scientific sector, businesses, and residents. They represent a very broad spectrum of diverse interest groups that influence local water management. They act as information disseminators, providing knowledge and expertise. They have very strong networks. They come from partner countries (DE, FI, LT, NO, PL, SE), but through AO, we also want to establish contacts with other BSR countries and Ukraine.	We will engage interest groups through targeted outreach, communication, and active involvement in key project activities. Using our networks, social media, events, and cooperation with AOs, we will identify relevant groups. We will invite them to webinars, workshops, policy dialogues, and local visits, ensuring they can contribute perspectives and share expertise. Educational materials, fact sheets, and project updates will be shared through accessible channels to help them follow progress and use results in their activities. Interest groups will be consulted during the development of guidelines and blueprints, providing feedback to ensure solutions reflect real needs. Their role as multipliers will help disseminate project outcomes further, enhance awareness, and strengthen local engagement in building water symbiosis initiatives.

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	Transferring solutions
3.2	Development of urricula for new generation

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 2 - Centrum Balticum Foundation

A 3.1

5.6.2 Title of the group of activities

Transferring solutions22 / 100 characters

5.6.3 Description of the group of activities

The GGoA 3.1 focuses on ensuring that Symbioter’s consolidated results are widely disseminated, easy to access, and directly usable for municipalities, utilities, operators, and other stakeholder groups across the Baltic Sea Region. The activity includes managing the Symbioter website and LinkedIn account, producing communication materials, and participating in regional events to reach a broad audience of practitioners and decision-makers. The Symbioter website (hosted on the Interreg BSR platform) will be actively managed, with all relevant project materials published and regularly updated. A film presenting consolidated solutions will be produced and shared through digital channels. Symbioter will maintain an active LinkedIn presence with several project content and result-related campaigns. The knowledge sharing cooperation with the Union of the Baltic Cities/ Sustainable Cities network and Baltic Smart Water Hub website will further increase project visibility. During the planning phase, Symbioter was consulted with the EUSBSR PA Nutri. This cooperation will continue through a jointly developed PA Nutri Talks webinar and a policy dialogue session. An additional policy dialogue session will be organised with HELCOM and its Working Groups. HELCOM will also support Symbioter with consulting on the policy aspects and the regional nutrient-related processes. Through targeted dissemination and policy-oriented communication, GoA 3.1. ensures continuity and increased visibility of the nine capitalised projects, enabling their results to reach new user groups and inspire replication across the BSR. Main results: Symbioter website and LinkedIn profiles updated regularly and all produced materials provided via website PA Nutri Talks - Info webinar organised together with PA Nutri in 2027. Two policy dialogue sessions held (one with HELCO, one with PA Nutri).

1,885 / 3,000 characters

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

D 3.1

Title of the deliverable

Communication and Dissemination Package Ensuring Wide Uptake of Symbioter Results81 / 100 characters

Description of the deliverable

This deliverable provides a comprehensive communication and dissemination package that ensures Symbioter’s consolidated results are widely visible, accessible, and usable for stakeholders across the Baltic Sea Region and Ukraine, if possible. It includes the coordinated management of the Symbioter website (hosted on the Interreg BSR platform) and the project’s LinkedIn account, ensuring that all relevant materials are regularly published, updated, and easily navigable. As part of this deliverable, a film showcasing the project’s integrated 3R solutions is produced and digital channels to reach a shared audience through a broader audience. Symbioter’s communication work is strengthened through established cooperation with the Union of the Baltic Cities/Sustainable Cities network and the Baltic Smart Water Hub, enabling targeted outreach to practitioners and decision-makers who can directly apply the project’s results. The deliverable also includes policy-focused communication activities. Building on early consultation with EUSBSR PA Nutri, the project co-organises a PA Nutri Talks webinar, providing an accessible platform for disseminating key findings. Two policy dialogue sessions—one with PA Nutri and one with HELCOM—are held to discuss regional challenges, validate policy recommendations, and connect Symbioter’s outputs with ongoing nutrient-related processes in the Baltic Sea Region. HELCOM is consulted on policy and governance aspects. Through these targeted activities, the deliverable ensures high visibility and long-term continuity of the nine capitalised projects whose results underpin Symbioter. By making consolidated knowledge available through multiple channels and engaging with strategic policy actors, the deliverable strengthens the potential for wider uptake, replication, and mainstreaming of circular water and nutrient management solutions across the region.

1,905 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package62 / 100 characters

5.6.6 Timeline

	Period:	1	2	3	4	5
WP.3: Consolidating memory and knowledge						
A.3.1: Transferring solutions						
D.3.1: Communication and Dissemination Package Ensuring Wide Uptake of Symbioter Result						

WP 3 Group of activities 3.2

5.6.1 Group of activities leader

Group of activities leader PP 4 - Natural Resources Institute Finland (Luke)

A 3.2

5.6.2 Title of the group of activities

Development of urricula for new generation

43 / 100 characters

5.6.3 Description of the group of activities

A key factor in achieving water resilience and circularity in the Baltic Sea Region is the education and capacity building of future professionals: engineers, water utility operators, local decision-makers, and policymakers. In a few years, they will create a local water symbiosis based on water and nutrient recycling. Despite significant progress in technical solutions, there remains a gap between research and practical application at the local level. Translating our projects' outcomes and pilot experiences into educational content will ensure the long-term transfer of knowledge and the continuity of innovation beyond the EU projects' lifetime.

The objective of this activity is to develop and disseminate comprehensive educational materials based on results and deliverables from previous and ongoing projects in the Baltic Sea Region. The consortium partners have the competencies to elaborate professional cutting-edge materials. The materials will be tailored to the needs of students and young professionals - the next generation of engineers, operators, municipal leaders, and policymakers responsible for sustainable water management. We will compile the knowledge and results from pilot actions and deliverables of relevant curricula for 3R microsymbiosis projects. We will elaborate case studies from pilots, demonstrating practical approaches to water reuse and nutrient recovery. The educational set will contain problem-based learning exercises reflecting real challenges observed in municipalities during local visits ("local vision" tasks). Preparation of didactic materials will include multiple formats like fact sheets, videos, and interactive assignments adapted for use in universities and professional training courses. We will test and validate them through workshops with students and young water sector professionals. They will be disseminated through partner universities, water associations, and open educational platforms.

This GoA will strengthen capacity building and knowledge transfer in the field of water symbiosis building at the local level. It will support the long-term impact and capitalization of Interreg and Horizon projects by turning their results into practical learning resources. It will promote transnational cooperation among academic and sectoral partners, reinforcing the shared vision of a resilient and resource-efficient Baltic Sea Region.

2,399 / 3,000 characters

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



D 3.2

Title of the deliverable

Curricula for 3R microsymbiosis

32 / 100 characters

Description of the deliverable

Educational package on local 3R Microsymbioses for future professionals provides a comprehensive set of educational materials designed to equip students and young water professionals with the knowledge and skills needed to implement local 3R microsymbioses in the BSR. Building on results, tools, and pilot experiences from nine EU-funded projects, the package translates technical outputs into accessible, practice-oriented learning resources that address the gap between research and real-world application. The educational package compiles consolidated knowledge, including case studies demonstrating practical approaches to water reuse, nutrient recovery, nature-based solutions, and circular water management. It includes problem-based learning exercises inspired by real challenges faced by municipalities and utilities during local visits ("local vision" tasks), helping learners understand how solutions can be adapted to diverse local contexts. Materials are prepared in multiple didactic formats, including fact sheets, short videos, interactive assignments, and structured teaching modules, allowing for flexible use in university courses, vocational training, and professional development programs. The educational package will be disseminated through partner universities, water associations, professional networks, and open educational platforms, ensuring broad and long-term accessibility. By embedding the outcomes of EU projects into formal and informal education systems, this deliverable strengthens the long-term capacity-building framework for the region. It helps ensure that the next generation of engineers, operators, local decision-makers, and policy specialists are prepared to design and implement integrated water and nutrient symbioses, contributing to a resilient and resource-efficient Baltic Sea Region.

1,836 / 2,000 characters

Which output does this deliverable contribute to?

Strengthened BSR with a Local 3R Microsymbiosis Action Package

62 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5

WP.3: Consolidating memory and knowledge

A.3.2: Development of urricula for new generation

D.3.2: Curricula for 3R microsymbiosis

6. Indicators

Indicators

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	30	PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders	49	Project partners and associated organisations	Local Public Authorities are central actors in building local water symbioses and implementing 3R solutions. Their participation includes co-creation of blueprints, involvement in workshops, policy dialogues, mentoring, and testing decision-support tools. Capacity gains: Improved understanding of circular water management and nutrient recycling. Enhanced skills in planning, permitting, and integrating new technologies. Stronger ability to coordinate actions between departments and stakeholders. Increased preparedness for climate-related water challenges. Infrastructure and Public Service Providers These include wastewater treatment plant operators, water utilities, stormwater services, and municipal maintenance units. They will contribute technical knowledge, host on-site visits, participate in training, and act as mentees in mentoring programmes. Capacity gains: Practical competence in water reuse technologies and nutrient recovery. Improved operational efficiency and better incident management using project tools. Exposure to peer-to-peer learning and proven solutions from other regions. Strengthened collaboration with municipalities and other local actors. Interest Groups Industry organizations. Capacity gains: Access to consolidated knowledge from nine projects and new educational materials. Enhanced ability to support municipalities in public communication and stakeholder engagement. Increased competence to advocate for sustainable water management.
				Other organisations	NGOs, environmental organisations, water associations, local community groups, and academic partners will participate in knowledge sharing, awareness-raising, policy dialogues, and dissemination activities. Capacity gains: Access to consolidated knowledge from nine projects and new educational materials. Enhanced ability to support municipalities in public communication and stakeholder engagement. Increased competence to advocate for sustainable water management and NBS-based solutions.

7. Budget

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

No. & role	Partner name	Partner status	CAT1 - Staff	CAT7 - Other costs	Total partner budget
1 - LP	Chamber of Economy "Polish Waterworks"	Active 26/03/2026	89,285.71	35,714.28	124,999.99
2 - PP	Centrum Balticum Foundation	Active 26/03/2026	100,000.00	40,000.00	140,000.00
3 - PP	Waterboard of Oldenburg and East Frisia	Active 26/03/2026	92,857.14	37,142.86	130,000.00
4 - PP	Natural Resources Institute Finland (Luke)	Active 26/03/2026	89,285.71	35,714.28	124,999.99
5 - PP	Warsaw University of Technology	Active 26/03/2026	78,571.43	31,428.57	110,000.00
6 - PP	Region Kalmar County	Active 26/03/2026	89,285.71	35,714.28	124,999.99
7 - PP	University of Stavanger	Active 26/03/2026	107,142.86	42,857.14	150,000.00
8 - PP	Public Institution National regions development agency	Active 26/03/2026	67,857.14	27,142.86	95,000.00
Total			714,285.70	285,714.27	999,999.97

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Chamber of Economy "Polish Waterworks"	Active 26/03/2026	 PL	ERDF	80.00 %	124,999.99	99,999.99	25,000.00	For each partner, the State aid relevance and applied aid measure are defined in the State aid section
2-PP	Centrum Balticum Foundation	Active 26/03/2026	 FI	ERDF	80.00 %	140,000.00	112,000.00	28,000.00	
3-PP	Waterboard of Oldenburg and East Frisia	Active 26/03/2026	 DE	ERDF	80.00 %	130,000.00	104,000.00	26,000.00	
4-PP	Natural Resources Institute Finland (Luke)	Active 26/03/2026	 FI	ERDF	80.00 %	124,999.99	99,999.99	25,000.00	
5-PP	Warsaw University of Technology	Active 26/03/2026	 PL	ERDF	80.00 %	110,000.00	88,000.00	22,000.00	
6-PP	Region Kalmar County	Active 26/03/2026	 SE	ERDF	80.00 %	124,999.99	99,999.99	25,000.00	
7-PP	University of Stavanger	Active 26/03/2026	 NO	Norway	80.00 %	150,000.00	120,000.00	30,000.00	
8-PP	Public Institution National regions development agency	Active 26/03/2026	 LT	ERDF	80.00 %	95,000.00	76,000.00	19,000.00	
Total ERDF						849,999.97	679,999.97	170,000.00	
Total Norway						150,000.00	120,000.00	30,000.00	
Total						999,999.97	799,999.97	200,000.00	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Norwegian partners (Norway)		Total	
	Total	Programme co-financing	Total	Programme co-financing	Total	Programme co-financing
Period 1	180,000.00	144,000.00	20,000.00	16,000.00	200,000.00	160,000.00
Period 2	160,000.00	128,000.00	20,000.00	16,000.00	180,000.00	144,000.00
Period 3	180,000.00	144,000.00	50,000.00	40,000.00	230,000.00	184,000.00
Period 4	179,999.97	143,999.97	40,000.00	32,000.00	219,999.97	175,999.97
Period 5	150,000.00	120,000.00	20,000.00	16,000.00	170,000.00	136,000.00
Total	849,999.97	679,999.97	150,000.00	120,000.00	999,999.97	799,999.97