1. Identification

Call	Date of submission
C1	26/04/2022

1.1. Full name of the project

Transnational cooperation to improve biowaste treatment technologies in the Baltic Sea Region (Baltic Biowaste Treatment Cooperation)

133 / 250 characters

1.2. Short name of the project

BalticBTC

9 / 20 characters

1.3. Programme priority

3. Climate-neutral societies

1.4. Programme objective

3.1 Circular economy

1.6. Project duration

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

1.7. Project summary

The EU Waste Framework Directive obliges separate collection of bio-waste or recycling at source in the Member States from 1 January 2024 (EU, 2008, 2018b). Source separation is crucial for meeting the EU target to recycle 65 % of municipal waste by 2035. However, the figures show that less than 50% of municipal organic waste is being collected separately in the Member States (EUROSTAT), and a major fraction of biowaste is still collected by mixed municipal waste streams resulting in lower value final products. In fact, the residents pay levies for the lowest level of the bio-based value pyramid with potentially adverse effects on the environment and the climate.
Bio-waste accounts for more than 34 % of the municipal solid waste generated, amounting to 86 million tonnes in the EU-28 (EUROSTAT). Bio-waste generation, collection, and management differ considerably in the EU Member States. The variations reflect differences in consumption patterns, climate, socio-economic condition, regional policies, technical infrastructure, public awareness, and behavior. Therefore, one single model cannot be imposed to meet the targets and deliver optimal environmental and social results. Accordingly, this project aims to bolster proper and cost-effective local frameworks for the local municipalities to achieve EU Waste strategies goals and preventive measures. The ultimate aim is to design an adequate, separate biowaste collection and sustainable management across the Baltic region.

1,497 / 1,500 characters

1.8. Summary of the partnership

The project partners include relative target groups from the Baltic sea region namely Germany, Denmark and Poland. In the further implementation phase of the project, other partners will be involved by sharing the results and strategies. Germany has started the source-separation of bio-waste in the mid-1980s on a voluntary basis and adapted a mandatory scheme since 2015. In this project, the German partners will promote the transfer of the German know-how and consequently gain experience in conceptunstitute of Fluid-Flow Machinery-Polish Academy of Sciencesalising technical models in other regions. The Department of Waste and Resource Management of Rostock University is the lead project partner and has long-term experience in the field of sustainable Bio-waste circular economy. The municipal company SR Rostock for waste management will support with practical experience since more than 20 years in policy, financing seperate collection, treatment, awareness and public relation. For more than 2 years, the city of Rostock and the city's municipal waste management company, in cooperation with communities in northern Germany, have been running a public relations campaign to reduce impurities such as plastic in order to increase the quality of the compost to utilise it sustainably. This experience will be transferred to the proposed project.

Within the target regions, various partners from the municipality, city council, the service provider, universities, and NGOs are involved in finding synergies to evolve the separate collection and high-value utilisation of Bio-waste. In the case of Denmark, BOFA, the waste management authority and service provider under the Regional Municipality of Bornholm, is responsible for the implementation of the pilot project for separate collection of organic waste and the high value utilisation considred optimised material and energy recovery under EU regulations and targets.

The Institute of Fluid Machinery of the Polish Academy of Sciences is responsible for the development of biologically based nitrogen fertilisers. The products are intended to substitute conventional chemical fertilisers and conserve resources. In order to guarantee the quality of the compost, quality criteria are to be developed that ensure local use. This is currently one of the most important issues in the sustainable use of compost products in Europe.

The project plans activities to promote the results to other countries and target groups. This includes publications, social media campaigns, participation in conferences, organisation of meetings. To achieve this measure, all project partners are responsible according to their role in the project.

2,713 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	1,442,003.68
	Own contribution ERDF	0.00	360,500.94
	ERDF budget	0.00	1,802,504.62
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	**Total Programme co-financing**	0.00	1,442,003.68
	Total own contribution	0.00	360,500.94
	Total budget	0.00	1,802,504.62

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	University of Rostock	Universität Rostock	DE	Higher education and research institution	a)	591,384.00 €	Active	22/09/2022
2	PP	BlackForest Solutions GmbH	BlackForest Solutions GmbH	DE	Small and medium enterprise	b)	249,488.00 €	Active	22/09/2022
3	PP	Regional Municipality of Bornholm	Bornholms Regionskommune	DK	Local public authority	a)	455,211.16 €	Active	22/09/2022
4	PP	The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences	Instytut Maszyn Przeplywowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN)	PL	Higher education and research institution	a)	403,150.22 €	Active	22/09/2022
5	PP	EKO DOLINA Ltd.	EKO DOLINA SPÓŁKA Z O.O.	PL	Infrastructure and public service provider	a)	103,271.24 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Gdynia city	Gdynia	PL	Local public authority

2.2 Project Partner Details - Partner 1

LP/PP Lead Partner

Partner Status Active

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

Partner name:

Organisation in original language Universität Rostock

19 / 250 characters

Organisation in English University of Rostock

21 / 250 characters

Department in original language Agrar- und Umweltwissenschaftliche Fakultät - Abfall- und Stoffstromwirtschaft

78 / 250 characters

Department in English Faculty for Agricultural and Environmental Sciences - Waste and Resource Management

83 / 250 characters

Partner location and website:

Address Universitätsplatz 1

19 / 250 characters

Country Germany

Postal Code	D-18055 (7 / 250 characters)	**NUTS1 code**	Mecklenburg-Vorpommern
Town	Rostock (7 / 250 characters)	**NUTS2 code**	Mecklenburg-Vorpommern
Website	www.auf.uni-rostock.de (22 / 100 characters)	**NUTS3 code**	Rostock, Kreisfreie Stadt

Partner ID:

Organisation ID type	Tax (identification) number (Steuer(identifikations)nummer)
Organisation ID	079 / 144 / 01970 (17 / 50 characters)
VAT Number Format	DE + 9 digits
VAT Number	N/A ☐ DE137385436 (11 / 50 characters)
PIC	999852430 (9 / 9 characters)

Partner type:

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

Partner financial data:

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

Role of the partner organisation in this project:

Lead and supporting partner.

28 / 1,000 characters

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

○ Yes ○ No

State aid relevance

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

○ Yes ○ No

2.2 Project Partner Details - Partner 2

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

Partner name:

Organisation in original language	BlackForest Solutions GmbH (26 / 250 characters)

Organisation in English	BlackForest Solutions GmbH (26 / 250 characters)
Department in original language	Consultancy (11 / 250 characters)
Department in English	Consultancy (11 / 250 characters)

Partner location and website:

Address	Kopenhagener Straße 60-68, Haus A (33 / 250 characters)	**Country**	Germany
Postal Code	13407 (5 / 250 characters)	**NUTS1 code**	Berlin
Town	Berlin (6 / 250 characters)	**NUTS2 code**	Berlin
Website	https://www.blackforest-solutions.com/ (38 / 100 characters)	**NUTS3 code**	Berlin

Partner ID:

Organisation ID type	Company registration number (Handelsregisternummer)
Organisation ID	HRB 175302 B (12 / 50 characters)
VAT Number Format	DE + 9 digits
VAT Number	**N/A** ☐ DE305780373 (11 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Small and medium enterprise	Micro, small, medium enterprises < 250 employees, ≤ EUR 50 million turnover or ≤ EUR 43 million balance sheet total
Sector (NACE)	70.22 - Business and other management consultancy activities	

Partner financial data:

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

Financial data	**Reference period**	01/01/2019	–	31/12/2019
	Staff headcount [in annual work units (AWU)]			7.5
	Employees [in AWU]			5.5
	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]			2.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			1,619,000.00
	Annual balance sheet total [in EUR]			281,000.00
	Operating profit [in EUR]			100,000.00

Role of the partner organisation in this project:

BFS will promote the transfer of German know-how to the project partner and consequently gain experience in conceptualising technical models in other regions, further BFS will support the LP in its LP tasks.

207 / 1,000 characters

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

○ Yes ○ No

2.2 Project Partner Details - Partner 3

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

Partner name:

Organisation in original language	Bornholms Regionskommune (24 / 250 characters)
Organisation in English	Regional Municipality of Bornholm (33 / 250 characters)
Department in original language	BOFA (4 / 250 characters)
Department in English	BOFA (4 / 250 characters)

Partner location and website:

Address	Almegårdsvej 8 (14 / 250 characters)	**Country**	Denmark
Postal Code	3700 (4 / 250 characters)	**NUTS1 code**	Danmark
Town	Rønne (5 / 250 characters)	**NUTS2 code**	Hovedstaden
Website	www.bofa.dk (11 / 100 characters)	**NUTS3 code**	Bornholm

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	26696348
VAT Number Format	DK + 8 digits
VAT Number	N/A ☐ DK26 69 63 48 (13 / 50 characters)
PIC	907528509 (9 / 9 characters)

Partner type:

Legal status	a) Public
Type of partner	Local public authority — Municipality, city, etc.
Sector (NACE)	38.11 - Collection of non-hazardous waste

Partner financial data:

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

Role of the partner organisation in this project:

Public waste infrastructure and service provider in charge of pilot activities centering on Bornholm

100 / 1,000 characters

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

○ Yes ○ No

2.2 Project Partner Details - Partner 4

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

Partner name:

Organisation in original language	Instytut Maszyn Przeplywowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN) (87 / 250 characters)
Organisation in English	The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences (74 / 250 characters)
Department in original language	Zakład Fizycznych Aspektów Ekoenergii (37 / 250 characters)
Department in English	Department of Physical Aspects of EcoEnergy (43 / 250 characters)

Partner location and website:

Address	Fiszera 14 (10 / 250 characters)	**Country**	Poland

Postal Code	80-231 (6 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Gdańsk (6 / 250 characters)	**NUTS2 code**	Pomorskie
Website	www.imp.gda.pl (14 / 100 characters)	**NUTS3 code**	Trójmiejski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5840357882
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL5840357882 (12 / 50 characters)
PIC	999489650 (9 / 9 characters)

Partner type:

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

Partner financial data:

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

Role of the partner organisation in this project:

IMP PAN will participate in the field visits, assessment of collection awareness and available technologies and BATs. In cooperation with EcoDolina recomendations for policy makers will be formulated. IMP PAN will develop concept (in cooperation with EcoDolina) of system for fertiliser production and will build and test the facility in 1/4-technical scale. IMP PAN and Ekodolina will discuss the results and roadmap for effective biowaste management with local stakeholders, policy makers and Gdynia administration in order to influence action and business plans. The plenary (physical or online meeting) for all participating Partner cities will be organized to discuss the related issues and possible strategic intervention areas. In order to develop a market for biowaste N fertilizers a several awareness-raising campaigns and promotion activities with the local citizens will be performed. Dissemination activities will include presentation of results in conferences and publications.

991 / 1,000 characters

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

○ Yes ○ No

State aid relevance

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

○ Yes ○ No

2.2 Project Partner Details - Partner 5

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

Partner name:

Organisation in original language: EKO DOLINA SPÓŁKA Z O.O.
24 / 250 characters

Organisation in English: EKO DOLINA Ltd.
15 / 250 characters

Department in original language: EKO DOLINA SPÓŁKA Z O.O.
24 / 250 characters

Department in English: EKO DOLINA Ltd.
15 / 250 characters

Partner location and website:

Address: Al. Parku Krajobrazowego
26 / 250 characters

Postal Code: 84-207
7 / 250 characters

Town: Łężyce
6 / 250 characters

Website: www.ekodolina.pl
16 / 100 characters

Country: Poland

NUTS1 code: Makroregion północny

NUTS2 code: Pomorskie

NUTS3 code: Trójmiejski

Partner ID:

Organisation ID type: Tax identification number (NIP)

Organisation ID: 5881834882

VAT Number Format: PL + 10 digits

VAT Number: N/A ☐ PL5881834882
12 / 50 characters

PIC: N/A
3 / 9 characters

Partner type:

Legal status: a) Public

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

Sector (NACE): 38.11 - Collection of non-hazardous waste

Partner financial data:

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

Role of the partner organisation in this project:

EkoDolina will participate in the field visits, assessment of collection awareness. The recomendations for policy makers will be formulated. Ekodolina with IMP PAN will discuss the results and roadmap for effective biowaste management with local stakeholders, policy makers and Gdynia administration in order to influence action and business plans. EkoDolina will acompany IMP PAN in activities related to fertilizers production, including pilot installation. Some LivingLab activities related to new waste collections methods will be performed including promotion and educational campaign. The goal is to avoid impurities in selectively collected waste fractions. The effect of performed campaign will be checked by testing the waste morphology before and after activities. Besides the effects of some additional biostream will be checked. EkoDolina is aware of the need for educational activities related to international experience (including Danish, Swedish, Italian and German).

983 / 1,000 characters

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

○ Yes ◉ No

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language	Gdynia	6 / 250 characters
Organisation in English	Gdynia city	11 / 250 characters
Department in original language	Wydział Środowiska	18 / 250 characters
Department in English	Department of Environment Protection	36 / 250 characters
Legal status	a) Public	
Type of associated organisation	Local public authority	Municipality, city, etc.

Associated organisation location and website:

Address	Al. Marszałka Piłsudskiego 52/54	32 / 250 characters
Country	Poland	
Postal Code	81-382	6 / 250 characters
Town	Gdynia	6 / 250 characters
Website	www.gdynia.pl	13 / 100 characters

Role of the associated organisation in this project:

Gdynia will support the project with its previous experiences and future planning to improve the concept of biowaste and circular economy in the city and in all BSR region. It will be adressee of project recomendations and will help to establish roadmap for effective biowaste management, in order to influence action and social business plans. It will provide information on legal barriers.
Gdynia, as far as possible, will help to sensitise and win over further decision-makers and the target groups for the topic and to implement results that are relevant for us.

567 / 1,000 characters

3. Relevance

3.1 Context and challenge

The EU Waste Framework Directive obliges separate collection of bio-waste or recycling at source in the Member States from 1 January 2024 (EU, 2008, 2018b). Source separation is crucial for meeting the EU target to recycle 65 % of municipal waste by 2035. However, the figures show that less than 50% of municipal organic waste is being collected separately in the Member States (EUROSTAT), and a major fraction of biowaste is still collected by mixed municipal waste streams resulting in lower value final products. In fact, the residents pay levies for the lowest level of the bio-based value pyramid with potentially adverse effects on the environment and the climate.
Bio-waste accounts for about 34% of municipal solid (by weight) across Europe (EUROSTAT). Bio-waste generation, collection, and management differ considerably in the EU Member States. The variations reflect differences in consumption patterns, climate, socio-economic condition, regional policies, technical infrastructure, public awareness, and behavior. Therefore, one single model cannot be imposed to meet the targets and deliver optimal environmental and social results. Accordingly, this project aims to bolster proper and cost-effective frameworks for the local municipalities to achieve EU Waste Framework Directive goals and preventive measures. The ultimate goal is to design an adequate, separate biowaste collection and sustainable management across the Baltic region.

1,457 / 2,000 characters

3.2 Transnational value of the project

The partners came together on the topic of circular economy through the company Blackforest Solutions, a long-standing cooperation partner of the University of Rostock. In identifying the topic, all partners quickly agreed and recognised the importance of the topic of sustainable waste management for the countries and the need to develop a joint strategy. The team has come together to take a responsible role in the Baltic region for sustainable Bio-waste management. Each partner has specific qualifications that can open up cooperation in all sub-areas. From science to implementation and dissemination of expertise in the Baltic countries and other European countries. The contents of the exchange of services can be designed very differently and cover a wide range of possible constellations. International cooperation projects have already been successful in the past.
Due to the spatial proximity of the partners involved, a rapid exchange of know-how and regular project meetings in presence can be realised at short notice in order to evaluate the practical success of the project and the work packages and to act as required. Cooperative research and development between the partners should be mutual and enable feasibility in other countries. A particular advantage of cooperation is the fact that it offers opportunities to strengthen the typical deficits in the implementation of sustainable waste management concepts when they are realised throughout the Baltic Sea Region. 30 years after the introduction of separate collection of organic waste, there is still a need for further development of technologies, laws and public relations. In terms of content, the focus of the work is on these 3 central fields of action. The partners can overcome the difficulties known in Germany more quickly and develop adapted concepts locally.

1,849 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Local public authority	Policy development for the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste. In all partner countries, specifically in the respective partner regions. Germany: City of Rostock and owned municipal company for waste management Denmark: Bornholm Poland: Pomerania region 313 / 500 characters	For the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste, it is necessary to have the political decision-makers on board. For this, it is important that they are made aware of the issue accordingly and that they are shown possibilities and their effects. In the project, the relevant stakeholders are involved from the very beginning, as they are also important for the implementation of the measures. 446 / 1,000 characters
Infrastructure and public service provid	Implementation of sustainable technical solutions for bio-waste management, collection and treatment in urban and rural areas. All partner regions Denmark: Bornholm Germany: Rostock Poland: EkoDolina Łężyce/Gdynia Nowy Dwór/Chojnice 236 / 500 characters	The implementation of the EU Waste Framework Directive for the sustainable management of biowaste is usually carried out by appropriate service providers. Accordingly, they must be involved in the project so that they are later able to implement the measures. Furthermore, it is important to involve service providers outside the partner region in a further step so that they can benefit from the success of the pilot measures. Further important aspects is the integration the public society in the needs of awareness and public relation. The public service provider are to be supported in developing a marketable compost product and in creating regional added value through the partners. 688 / 1,000 characters
Small and medium enterprise	Development of the concepts and technologies with the municipalities and business activities All partner regions Germany: Blackforest Solutions 144 / 500 characters	Development of suitable concepts for the holistic consideration of the process chain of sustainable circular economy and in particular the use of biowaste. This includes the type of collection, collection containers, vehicles, recycling centres and centralised and decentralised treatment technologies for different wastes of various origins. In the country projects, the feasibility is to be tested with local partners and companies for further use within the Baltic and EU countries. 485 / 1,000 characters
Higher education and research instituti	Germany: University of Rostock Poland: Institute of Fluid-Flow Machinery-Polish Academy of Sciences 99 / 500 characters	The participating universities aim to plan and accompany the practical implementation of the developed concepts from a scientific point of view and to publish them in the specialist literature. The work also focuses on the qualification of students, staff and patners. 269 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Circular economy

This project aims to bolster proper and cost-effective frameworks for the local municipalities to achieve EU Waste Framework Directive goals and preventive measures. The ultimate goal is to design an adequate, separate biowaste collection and sustainable management across the Baltic region.
What is new is that the project identifies and adapts various solutions in order to develop sustainable transferable measures for the Baltic Sea Region. Through the simultaneous piloting of the measures, accompanied by an awareness and communication campaign for all stakeholders, this project pursues a holistic approach, which has not yet existed in this way, as the focus is usually always on one solution for implementation.

The project will identify successful good practices to reduce the assessed gaps in the Baltic Sea Region and develop good practice solutions from them, further it will raise the awareness of the topic and challenges.
The project will develop solutions for the general management methods and quality control of the organic waste produced; it will also strengthen the link with the relevant market, standardisation, certification and the use of digital tools to monitor the system. To ensure sustainability, stakeholders and citizens will be involved/ informed throughout the process. This includes communication with all local authorities involved and workshops for stakeholders, as well as communication and awareness campaigns for local citizens. Involving decision-makers from all regions as project partners makes the transfer of solutions more feasible. In addition, the results achieved can be effectively scaled up so that the incineration/deposition of biowaste can be phased out.

1,712 / 2,000 characters

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

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

◉ Yes ○ No

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

PA Bio-economy

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

The lies in transnational cooperation on issues that one Member State cannot solve alone. The contribution is for climate change adaptation, risk prevention and management in the circular economy, "Save the Sea" and the sub-objectives of "Clear Water" and "Rich and healthy wildlife", which includes promoting a sustainable use of marine, agricultural and forest resources as well as development of rural areas.
Development of sustainability criteria and a trend analysis for Bio-waste circular economy.
Outreach in form of workshops, videos and social media campaign together with all partner. Scientifc papers and publications related to the topic.
Networking in the partner countries and further targets group in the Baltic Sea Region and European Union.
Several transnational conferences, seminars and workshops and development of nutrient recycling in agriculture with fertilizer from Bio-waste.

Primarily goal 14 and 15, but also contributing to SDG's 2, 7, 11, 12 and 13.

982 / 1,500 characters

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

PA Energy
'Save the sea' and 'Connect the Region' (to improve the access to, and the efficiency and security of energy markets), sub-objective: reliable energy markets. The Baltic region electricity market integration and the role of consumers should be increased in particular by the integration of the regional balancing markets within the European balancing platforms according to the Electricity Balancing Guideline.

PA Education
The project aims to create the opportunity for new services within the waste management sector. Closer cooperation should generate better competitiveness by sharing expertise and resources in the Baltic Sea Region. The processes developed are also suitable for knowledge transfer to a wide range of interest groups. Knowledge about the sustainable use of local resources forms the basis of a strong environmental awareness and innovative ideas.

PA Tourism
To connect people in the region through participation in cultural, educational and scientific cooperation. All partners have diverse and individual experience in the realisation of sustainable tourism themes. By pushing for a sustainable bioeconomy, regions can take on a pioneering role in the country and set an example for other regions in the country.

1,250 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

EU Circular Economy Action Plan

These include new targets for the recycling and preparing for reuse of municipal waste and an obligation for separate collection for bio-waste. Moreover, EU Member States are required to monitor food waste generation and to have a food waste prevention programme, supporting Sustainable Development Goal 12.3 — to halve food waste by 2030. The 'Farm to fork' strategy on sustainable food within the EU's Green Deal (EC, 2019a) will reinforce food waste prevention.

498 / 500 characters

Green Deal

The EU Green Deal is the EU's political commitment (2019) with the goal of reducing net greenhouse gas emissions to zero and becoming climate neutral by 2050. The avoidance as well as the use of waste as energy and material prevents the emission of greenhouse gases.

279 / 500 characters

HELCOM Baltic Sea Action Plan

Another strategy is to protect the Baltic Sea from nutrient inputs. In the coming years, the partners want to establish sustainable management of nutrients and minimise nutrient loss to the Baltic Sea as much as possible through efficient use of nutrients.

287 / 500 characters

3.7 Seed money support

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

○ Yes ◉ No

3.8 Other projects: use of results and planned cooperation

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Prevention of Tourism Marine Litter (TouMaLi) 45 / 200 characters	Federal Ministry for the Environment, Nature Conservation and Nuclear Safety. 77 / 200 characters	Reducing Tourism Marine Litter in Northern Africa through the Contribution of a Sustainable Waste Management System. TouMaLi aims to develop and establish sustainable solutions for waste management in the tourism sector in North Africa to protect marine ecosystems, leading to economic, but also fundamental health, environmental and social improvements. The project is funded by the German Federal Ministry for the Environment and Nuclear Safety (BMU) and led by the University of Rostock and the Leibniz Institute for Baltic Sea Research Warnemünde (IOW). A consortium of nine different institutions, consisting of academia, think tanks and private entities will address the challenges posed by tourism-related marine debris through the TouMaLi project. 755 / 1,000 characters
Cluster On Anaerobic digestion, environmental Services and nuTrients removAL 77 / 200 characters	EU Interreg, South Baltic Programm 34 / 200 characters	The main objective of the COASTAL Biogas project is to provide solutions based on anaerobic digestion of cast seaweed to coastal regions to tackle eutrophication, contribute to the transition to a circular bio-economy and improve prosperity. Eutrophication has both ecological and social consequences and is one of the major environmental problems of the Baltic Sea. The produced biogas can be utilised for electricity, heat and bio-fuel production. Cross border technology guidance and transfer in seaweed co-digestion will be supported. A decision support tool and training kit for biogas plant operators, municipalities, local authorities as well as beach cleaning companies, farmers, waste management companies, etc. will be developed. Moreover, the procedure of anaerobic digestion of seaweed and digestate utilisation in the South Baltic area will be improved. 866 / 1,000 characters
Management organischer Abfälle in Indien (MOWI) 47 / 200 characters	Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH 61 / 200 characters	The aim of the project is to review and redirect measures and technical solutions that serve the management of organic waste. The measures and solutions will be developed for selected Indian cities, states and at the national level. The applied research will take place in Kochi, Kanpur, Port Blair, New Delhi, Lucknow and Trivandrum. 334 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Integrated Sustainable Waste Management Systems decreasing pollution discharges in the South Baltic area (Wasteman) 115 / 200 characters	EU Interreg, South Baltic Programm 34 / 200 characters	The project addressed the needed change of Waste Management from linear to circular systems in the South Baltic. The main objective of the project iwa to implement Integrated Sustainable Waste Management systems that enable decrease of the pollution from the waste management sector and at the same time ensure the effective recycling of municipal waste resources. The project implemented Integrated Sustainable Waste Management systems in the MSWM sector through three main outputs that addresses the three basic objectives of the ISWM system: A) Working together with multiple stakeholders, B) Building a stable service value chain C) Enabling sustainable value aspects. The Integrated Sustainable Waste Management system is being produced in a cross border cooperation ensuring a circular change in the South Baltic area. The technology and management system exchange provides added value from the Partners through the cross-border cooperation. 950 / 1,000 characters

3.10 Horizontal principles

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

4. Management

Allocated budget 10%

4.1 Project management

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

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

The Lead Partner – University of Rostock will be responsible for this WP and will be supported by BlackForest Solutions

It is planned to organize project meetings twice yearly that are mandatory for the project partners. The cross border meetings are most likely planned as two day meetings and will be combined, if needed or desirable, with (stakeholder-) workshops, site-visits or a kind of peer review. Further it is planned to have online calls on a regular base for a general project overview

498 / 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.

As public institutions are used to public procurement, procurements are carried out internally with the support of institution staff.

133 / 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.

As mentioned, the project meetings will be used to hold them with stakeholder workshops. In addition, various awareness campaigns are planned, which will take place within the framework of the respective WP. A kick-off with external participants and a closing event within the framework of WP3 are planned. As the events will be connected to the WPs, therefore, they are also budgeted in the WP

394 / 500 characters

4.4 Cooperation criteria

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

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

5. Work Plan

Number	Work Package Name
1	WP1 Preparing solutions

Number	Group of Activity Name
1.1	Preparatory analysis
1.2	Needs assesment in the pilot regions
1.3	Guidelines

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilot development and preparation including peer reviews
2.2	Development and Preparation of the pilots
2.3	Pilot implementation

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	Promotion and Awareness rising
3.2	Dissemination

Work plan overview

Period:	1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							**PP3**
A.1.1: Preparatory analysis							PP1
D.1.1: Desk study: Status quo, challenges and barriers		D					
A.1.2: Needs assesment in the pilot regions							PP1
D.1.2: Report of needs and challenges in the pilot regions		D					
A.1.3: Guidelines							PP1
D.1.3: Guidelines			D				
WP.2: WP2 Piloting and evaluating solutions							**PP4**
A.2.1: Pilot development and preparation including peer reviews							PP1
A.2.2: Development and Preparation of the pilots							PP4
D.2.2: Concept of N fertilizer production in semi-technical scale.			D	D			
A.2.3: Pilot implementation							PP4
D.2.3: PIlot concepts				D	D		
WP.3: WP3 Transferring solutions							**PP1**
A.3.1: Promotion and Awareness rising							PP3
D.3.1: Awareness campaigns & Report related to promotion of the developed solutions and strategies.				D	D	D	
A.3.2: Dissemination							PP4
O.3.2: Dissemination and promotion of developed solutions						O	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Desk study: Status quo, challenges and barriers	The result is a preliminary work for the D1.2 guidelines and will be merged with them in terms of content. The type of study and the type of publication (e.g. leaflets, report or similar) will be decided within the activity. As this is preliminary work, the results may not be published separately, but only included in D.1.2. The challenges and barriers in developing soil improver will be outcome of field visits in various Partner country. It will be bases for formulation of recommendations. The solutions developed in partner countries can help to find country specific solution (which underline their transnational values). The synthesis report condenses the insights and findings from the field studies and preparatory studies. Analysis of both citizen practices (including the effect of awareness campaigns) and the biowaste management system for Bornholm will be included, with an emphasis on food waste. The report provides an overview of the system and effectiveness of citizen engagement activities. The deliverable is applicable to other municipalities and islands in the Baltic Sea program area with ambitious waste targets.	O3.1. Status quo of Bio-waste treatment in the partne Countries of the Baltic Sea Region	
D 1.2	Report of needs and challenges in the pilot regions	The report included the needs and challenges in the pilot regions.	O3.1. Status quo of Bio-waste treatment in the partne Countries of the Baltic Sea Region	
D 1.3	Guidelines	The guideline document, based on professional expertise inputs, summarizes the analyses of the identified good practice case studies and downstream biowaste treatment options help up against EU and national policy targets. The document provides operational guidance on the different steps along the biowaste (food waste) chain that improves sorting practices among citizens, public institutions and the tourism industry, and improves system performance, e.g. real recycling rates. This includes recommendations and provided and promote existing system and develop technical strategies. The recommendations for policy makers in relation to biowaste selections, management methods, quality control of organic waste generated, as well as standardization and certification of soil improvers.	O3.1. Dissemination and promotion of developed solutions	
D 2.2	Concept of N fertilizer production in semi-technical scale.	The deliverable will consist of documentation describing the concept of N fertilizer production in semi-technical scale. The Report on the performance of facility for N fertilizers production in 1/4-technical scale will be part of O.3.1	O3.1. Dissemination and promotion of developed solutions	
D 2.3	PIlot concepts	A short report on the concept, implementation and challenges of each pilot measure. The Report on the performance of facility for N fertilizers production in 1/4-technical scale will be part of O.3.1	O3.1. Dissemination and promotion of developed solutions	
D 3.1	Awareness campaigns & Report related to promotion of the developed solutions and strategies.	Report on the promotion of the developed solutions and strategies as well as on the implemented measures (such as awareness campaigns). The action and business plans and the roadmap for effective bio-waste management are presented for all partner countries. The possible strategic areas of intervention are discussed. At least 3 awareness rising campaigns will be organized in each partner countries.	O3.1. Dissemination and promotion of developed solutions	
O 3.2	Dissemination and promotion of developed solutions	The aim of the results is to inform the public and the international community about the results achieved. The results include participation in various international conferences and publications in professional journals. The publications will present solutions related to new selection methods that contribute to improving the quality of the fertilisers produced. These actions will contribute to the transnational value of the project. Basically, the results will help the relevant target groups and stakeholders to adapt the developed solutions in order to be able to implement the relevant EU directives themselves. Thus, local authorities are the natural addressees of the developed solutions. The project results will show which departments and stakeholders need to be involved, which areas need special attention and which pitfalls to watch out for, as well as the infrastructure providers and public service providers who will also be enabled to implement the solutions accordingly. For small and medium-sized enterprises (depending on the local conditions and the corresponding dissemination of the project solutions), a new market will emerge that they can work on accordingly. Universities and research institutions will be informed about existing and developed solutions in the field of biowaste management and can build on the results and conduct further research in this and similar fields		

Work package 1

5.1 WP1 Preparing solutions

5.2 Aim of the work package

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

5.3 Work package leader

Work package leader 1	PP 3 - Regional Municipality of Bornholm
Work package leader 2	Please select

5.4 Work package budget

Work package budget	30%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Policy development for the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste. In all partner countries, specifically in the respective partner regions. Germany: City of Rostock and owned municipal company for waste management Denmark: Bornholm Poland: Pomerania region 313 / 500 characters	Local public authorities (City of Rostock, Bornholm and Pomerania Region) will be natural addressee of recommendations and they will provide information on legal barriers. This will be done by directly addressing the relevant departments, involving them in planning processes, e.g. by participating in project workshops or Site Visits. 336 / 1,000 characters
2	Infrastructure and public service provider Implementation of sustainable technical solutions for bio-waste management, collection and treatment in urban and rural areas. All partner regions Denmark: Bornholm Germany: Rostock Poland: EkoDolina Łężyce/Gdynia Nowy Dwór/Chojnice 236 / 500 characters	Infrastructure and public service provider will help to formulate the barriers and challenges related to biowaste management (including utilisation).Approach via close cooperation, bilateral calls/ meetings and by participating at public workshops 247 / 1,000 characters
3	Small and medium enterprise Development of the concepts and technologies with the municipalities and business activities All partner regions Germany: Blackforest Solutions 144 / 500 characters	Small and medium enterprises will inform Project partners on issues related to market conditions, needs and barriers. Approach via close cooperation, bilateral calls/ meetings and by participating at public workshops 217 / 1,000 characters
4	Higher education and research institution Germany: University of Rostock Poland: Institute of Fluid-Flow Machinery-Polish Academy of Sciences 99 / 500 characters	Higher education and research institutions will provide information on BAT available in EU. This will be done through regular professional exchange between the institutions, but also through participation in project events or targeted approaches by the project partners. 270 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	**Preparatory analysis**
1.2	**Needs assesment in the pilot regions**
1.3	**Guidelines**

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - University of Rostock

A 1.1

5.6.2 Title of the group of activities

Preparatory analysis

21 / 100 characters

5.6.3 Description of the group of activities

As the project partners will be implementing different measures within the overall pilot project, it is important to first exchange the knowledge and experience of the partners. As the consortium is made up of different institutions with diverse backgrounds, this will ensure a holistic approach for the rest of the project.
Therefore, it is important that the consortium shares the state of the art in each area in order to benefit from the knowledge and experience of the consortium later on.

In a further step, the consortium will agree on different measures (e.g. desk research, citizen panels) to assess the status quo, identify challenges and risks of the project and agree on best practice measures for stakeholder involvement.

Thus, the consortium will use the project kick-off and combine it with a workshop and a site visit in Germany. Germany has a long experience in dealing with bio-waste, so this knowledge and experience will help in assessing the status quo.

In addition, the consortium will evaluate proven solutions and identify successful case studies to mitigate the assessed gaps that are applicable to the Baltic Sea Region scenario.

IMP PAN will evaluate several technologies for appropriate bio-waste recovery and select BAT. The selection will take into account technical aspects as well as economic viability and market orientation. EkoDolina will focus on standardisation and certification issues.

1,431 / 3,000 characters

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

D 1.1

Title of the deliverable

Desk study: Status quo, challenges and barriers

48 / 100 characters

Description of the deliverable

The result is a preliminary work for the D1.2 guidelines and will be merged with them in terms of content. The type of study and the type of publication (e.g. leaflets, report or similar) will be decided within the activity. As this is preliminary work, the results may not be published separately, but only included in D.1.2.
The challenges and barriers in developing soil improver will be outcome of field visits in various Partner country. It will be bases for formulation of recommendations. The solutions developed in partner countries can help to find country specific solution (which underline their transnational values).
The synthesis report condenses the insights and findings from the field studies and preparatory studies. Analysis of both citizen practices (including the effect of awareness campaigns) and the biowaste management system for Bornholm will be included, with an emphasis on food waste. The report provides an overview of the system and effectiveness of citizen engagement activities. The deliverable is applicable to other municipalities and islands in the Baltic Sea program area with ambitious waste targets.

1,140 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Status quo of Bio-waste treatment in the partne Countries of the Baltic Sea Region

88 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Preparatory analysis						
D.1.1: Desk study: Status quo, challenges and barriers						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.2

5.6.1 Group of activities leader

Group of activities leader PP 1 - University of Rostock

A 1.2

5.6.2 Title of the group of activities

Needs assesment in the pilot regions

36 / 100 characters

5.6.3 Description of the group of activities

In the first phase of the project, site visits to the target regions will be organized to assess the existing situation and identify any gaps and challenges. Depending on the general situation, the other consortium partners will participate and assess the situation on the ground in a subsequent peer review. If there is more than one site visit planned, which can't be combined, the consortium will decide on which the join.

BOFA will facilitate a field visit by project partners to Bornholm to inspect BOFA's infrastructure and see the new set-up for household waste collection on the island, which will be in operation by 2023 with households sorting in 12 fractions including biowaste (food waste). The field visit will include visits to target groups such as relevant public institutions and industry associations within the waste sector. The field visit will also include a trip to Copenhagen to meet with HCS, the subcontracted company in charge of waste collection services on Bornholm, and the upcoming company in charge of treatment of collected biowaste (food waste) from Bornholm. Further downstream companies in charge of side-stream management will be visited. Visits to industry associations within the waste sector (e.g. the Danish Waste Association) may be envisioned.

2 field visits are planned in Poland including EkoDolina/Łężyce where the soil improver from biowaste is being tested and certified. The problems and barriers in polish context will be identifies and reported. The recommendations for policy makers will be discussed. The visits will be organized by Project Partners: EkoDolina and IMP PAN

1,626 / 3,000 characters

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

D 1.2

Title of the deliverable

Report of needs and challenges in the pilot regions

51 / 100 characters

Description of the deliverable

The report included the needs and challenges in the pilot regions.

66 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Status quo of Bio-waste treatment in the partne Countries of the Baltic Sea Region

88 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: Needs assesment in the pilot regions						
D.1.2: Report of needs and challenges in the pilot regions						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - University of Rostock

A 1.3

5.6.2 Title of the group of activities

Guidelines

10 / 100 characters

5.6.3 Description of the group of activities

Based on the previous activities – preparatory analysis, field visits and assessment of good practice examples (in the context of the preparatory analysis) – the consortium will in collaboration with relevant target groups, carry out an analysis of the material and findings in A.1.1-A.1.2 in order to prepare the Guidelines.
This will be done in the context of a cross border workshop and will be combined with a project meeting. In case of restrictions this meeting, as long as all other meetings, will be carried out as digital meeting.

Aim of the guidelines is to give recommendations and provided and promote existing system and develop technical strategies. The recommendations for policy makers in relation to biowaste selections, management methods, quality control of organic waste generated, as well as standardization and certification of soil improvers.

It will also promote the process of implementing the planned measures/solutions based on the experience and results of the activities carried out. As a first step, this will also serve the planning and implementation of the pilot measures (see WP2)

1,117 / 3,000 characters

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

D 1.3

Title of the deliverable

Guidelines

10 / 100 characters

Description of the deliverable

The guideline document, based on professional expertise inputs, summarizes the analyses of the identified good practice case studies and downstream biowaste treatment options help up against EU and national policy targets. The document provides operational guidance on the different steps along the biowaste (food waste) chain that improves sorting practices among citizens, public institutions and the tourism industry, and improves system performance, e.g. real recycling rates. This includes recommendations and provided and promote existing system and develop technical strategies. The recommendations for policy makers in relation to biowaste selections, management methods, quality control of organic waste generated, as well as standardization and certification of soil improvers.

787 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Dissemination and promotion of developed solutions

56 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Guidelines						
D.1.3: Guidelines						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

Work package 2

5.1 WP2 Piloting and evaluating solutions

5.2 Aim of the work package

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

5.3 Work package leader

Work package leader 1	PP 4 - The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences
Work package leader 2	Please select

5.4 Work package budget

Work package budget	40%

5.4.1 Number of pilots

Number of pilots	1

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Policy development for the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste. In all partner countries, specifically in the respective partner regions. Germany: City of Rostock and owned municipal company for waste management Denmark: Bornholm Poland: Pomerania region 313 / 500 characters	Local public authorities will be engaged in the required changes of regulations, which might enable use and promotion of the fertilisers produced from waste. 157 / 1,000 characters
2	Infrastructure and public service provider Implementation of sustainable technical solutions for bio-waste management, collection and treatment in urban and rural areas. All partner regions Denmark: Bornholm Germany: Rostock Poland: EkoDolina Łężyce/Gdynia Nowy Dwór/Chojnice 236 / 500 characters	Infrastructure and public service provider will help to formulate the technical requirements for N fertiliser production as well as national barrierrs for the fertiliser application. 187 / 1,000 characters
3	Small and medium enterprise Development of the concepts and technologies with the municipalities and business activities All partner regions Germany: Blackforest Solutions 144 / 500 characters	Small and medium enterprises will be engaged in WP activities, including developing the test facility development. 115 / 1,000 characters
4	Higher education and research institution Germany: University of Rostock Poland: Institute of Fluid-Flow Machinery-Polish Academy of Sciences 99 / 500 characters	Higher education and research institutions (University of Rostock and IMP PAN) will provide information on BAT available in EU. 127 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilot development and preparation including peer reviews**
2.2	**Development and Preparation of the pilots**
2.3	**Pilot implementation**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - University of Rostock

A 2.1

5.6.2 Title of the group of activities

Pilot development and preparation including peer reviews

56 / 100 characters

5.6.3 Description of the group of activities

Based on the results of WP1, in special the risk and challenge assessment, the partners will jointly develop their pilot measures. As the measures varies from place to place the implementing partner will always be in charge and take over the main responsibility, still it will experience from the support and knowledge of the other partners.
Developing and planning includes detailed planning, involvement of stakeholders and peer reviews by the consortium. The peer review will be done as “living process” and will take place during the internal project meetings, via E-Mail and through bilateral calls. This does also apply to the whole developing and planning process, which will also be a living process with continuously feedback by the project partners. One real life project meeting will be hold during this activity, close to the implementation stage for the chance of last adjustments.
The joint development process ensures that the wheel is not reinvented and that known mistakes and negative experiences are not repeated. Due to the different orientations of the consortium partners and the related diversity of experience, a holistic approach can be used for each pilot measure. A single partner would not be able to do this, as it would lack knowledge and experience.

1,281 / 3,000 characters

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

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilot development and preparation including peer reviews						

WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 4 - The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences

A 2.2

5.6.2 Title of the group of activities

Development and Preparation of the pilots

41 / 100 characters

5.6.3 Description of the group of activities

Based on the results of WP1, in special the risk and challenge assessment, the partners will jointly develop their pilot. As the measures varies from place to place the implementing partner will always be in charge and take over the main responsibility, still it will experience from the support and knowledge of the other partners. Developing and planning includes detailed planning, involvement of stakeholders and peer reviews by the consortium. The peer review will be done as “living process” and will take place during the internal project meetings, via E-Mail and through bilateral calls. This does also apply to the whole developing and planning process, which will also be a living process with continuously feedback by the project partners. One real life project meeting will be hold during this activity, close to the implementation stage for the chance of last adjustments.

885 / 3,000 characters

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

D 2.2

Title of the deliverable

Concept of N fertilizer production in semi-technical scale.

60 / 100 characters

Description of the deliverable

The deliverable will consist of documentation describing the concept of N fertilizer production in semi-technical scale. The Report on the performance of facility for N fertilizers production in 1/4-technical scale will be part of O.3.1

237 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Dissemination and promotion of developed solutions

56 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.2: Development and Preparation of the pilots						
D.2.2: Concept of N fertilizer production in semi-technical scale.						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 4 - The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences

A 2.3

5.6.2 Title of the group of activities

Pilot implementation

20 / 100 characters

5.6.3 Description of the group of activities

The Bornholm pilot measure will especially focus on downstream management of biowaste (food waste) side-streams. In the coming system to be in place from 2023, the collected food waste from the Bornholm households will be handled by the private subcontractor of food waste treatment. 3000 tons/year will be placed in closed containers of up to 35 tons each (approximately 2 containers/week) at BOFA.

In the pilot measure, the "Reject" fraction is tested before and after hydrolysis and methane recovery together with IMP-PAN and the University of Rostock. The "Biopulp" product is also being tested. Both tests will examine the sustainability of the overall system solution for bio-waste (food waste) management in Bornholm. Based on these audits, further improvements of the system will be investigated, e.g. the possible recycling of plastics from the "reject" fraction. It will also be investigated what greenhouse gas emissions are associated with the collection and transport of food waste from BOFA to the treatment plant: It can be assumed that methane production due to ferry transport is higher than usual in Danish municipalities. .

In Poland, the development of biowaste-based nitrogen fertilisers and increasing their share in the product portfolio of existing fertiliser factories will be studied. The pilot project will be carried out in cooperation with some important fertiliser companies, e.g. the Nitrogen Fertiliser Factory (NFP) "Puławy", which are among the most important producers of nitrogen and complex fertilisers and do not have bio-waste based fertilisers in their portfolio. Chemical tests of the fertiliser are also carried out, as well as pot tests with the fertiliser produced. The market related aspects including aesthetics, prices, habits of BSR countries, obstacles and other aspects and ease of application will be tested. The results will be reported and disseminated in the WP3.2 and WP3.3 activities.

1,944 / 3,000 characters

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

D 2.3

Title of the deliverable

PIlot concepts

14 / 100 characters

Description of the deliverable

A short report on the concept, implementation and challenges of each pilot measure. The Report on the performance of facility for N fertilizers production in 1/4-technical scale will be part of O.3.1

199 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Dissemination and promotion of developed solutions

56 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Pilot implementation						
D.2.3: PIlot concepts						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

Work package 3

5.1 WP3 Transferring solutions

5.2 Aim of the work package

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

5.3 Work package leader

Work package leader 1 PP 1 - University of Rostock

Work package leader 2 Please select

5.4 Work package budget

Work package budget 20%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Policy development for the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste. In all partner countries, specifically in the respective partner regions. Germany: City of Rostock and owned municipal company for waste management Denmark: Bornholm Poland: Pomerania region 313 / 500 characters	Local public authorities will be natural addressee of developed solutions, proposed strategies and possible strategic intervention areas. 137 / 1,000 characters
2	Infrastructure and public service provider Implementation of sustainable technical solutions for bio-waste management, collection and treatment in urban and rural areas. All partner regions Denmark: Bornholm Germany: Rostock Poland: EkoDolina Łężyce/Gdynia Nowy Dwór/Chojnice 236 / 500 characters	Infrastructure and public service provider will help to formulate the barriers and challenges related to biowaste management (including utilisation). 150 / 1,000 characters
3	Small and medium enterprise Development of the concepts and technologies with the municipalities and business activities All partner regions Germany: Blackforest Solutions 144 / 500 characters	Small and medium enterprises will be informed on proposed new solutions. 72 / 1,000 characters
4	Higher education and research institution Germany: University of Rostock Poland: Institute of Fluid-Flow Machinery-Polish Academy of Sciences 99 / 500 characters	Higher education and research institutions will provide information on existing and developed solution in biowaste management. NGOs will be informed on the proposed solutions and market issues. 193 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	**Promotion and Awareness rising**
3.2	**Dissemination**

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 3 - Regional Municipality of Bornholm

A 3.1

5.6.2 Title of the group of activities

Promotion and Awareness rising

30 / 100 characters

5.6.3 Description of the group of activities

This activity aims to promote the results of the project and to draw attention to the challenges but also to the solutions. Possible formats and activities, such as campaigns, are developed jointly within the consortium. The concrete planning and implementation, however, is again the responsibility of the respective partner. It is planned to organise three awareness-raising campaigns in each partner country. The type of campaign, whether classic, analogue or via social media, or other formats will be discussed in the course of the project and will depend strongly on the circumstances, e.g. whether there will still be a pandemic situation again.

Basically, the results of WP1 and WP2 will be presented and discussed with the local partners and stakeholders in order to develop action and social plans for the local communities and to create a roadmap for effective organic waste management. For this purpose, the identified strategic intervention areas are also discussed with the local stakeholders of the respective communities. This step includes communication with all local authorities involved and stakeholder workshops, as well as communication and awareness campaigns for local citizens. The inclusion of decision-makers from all regions as project partners makes the transfer of solutions more feasible. Moreover, the results achieved can be effectively scaled up so that the incineration/deposition of biowaste can be phased out.

The same applies to the bio-waste N-fertiliser sector. In order to develop a market for bio-waste N-fertiliser, several awareness campaigns will be conducted with local citizens. These campaigns will involve both local and rural citizens (potential recipients of the developed products). The main theme will be the environmental safety and effectiveness of the nitrogen fertilisers developed.

EkoDolina, in cooperation with IMP PAN, will implement an educational campaign in a district of Gdynia (in the form of a LivingLab), which will incorporate national and international experiences (including Danish, Sewdian, German and Italian). The aim of the campaign is to improve the quality of the selection. The morphology of the waste streams will be checked before and after the campaign (several times taking into account the changes in the marine area) to prove the efficiency of the implemented campaign.

2,356 / 3,000 characters

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

D 3.1

Title of the deliverable

Awareness campaigns & Report related to promotion of the developed solutions and strategies.

92 / 100 characters

Description of the deliverable

Report on the promotion of the developed solutions and strategies as well as on the implemented measures (such as awareness campaigns).
The action and business plans and the roadmap for effective bio-waste management are presented for all partner countries. The possible strategic areas of intervention are discussed.

At least 3 awareness rising campaigns will be organized in each partner countries.

402 / 2,000 characters

Which output does this deliverable contribute to?

O3.1. Dissemination and promotion of developed solutions

56 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Promotion and Awareness rising						
D.3.1: Awareness campaigns & Report related to promotion of the developed solutions and strategies.						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.2

5.6.1 Group of activities leader

Group of activities leader PP 4 - The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences

A 3.2

5.6.2 Title of the group of activities

Dissemination

13 / 100 characters

5.6.3 Description of the group of activities

Dissemination activities will include participation and presentation of results in own organized and third party conferences and seminars. Scientific and popular publications will present and discuss the obtained results. At least 3 seminars will be organized in each Partner countries (with at least 30 participants)

Final conferences will be organized (or co-organized) with 100 participants.

396 / 3,000 characters

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

O 3.2

Title of the output

Dissemination and promotion of developed solutions

50 / 100 characters

Description of the output

The aim of the results is to inform the public and the international community about the results achieved. The results include participation in various international conferences and publications in professional journals. The publications will present solutions related to new selection methods that contribute to improving the quality of the fertilisers produced. These actions will contribute to the transnational value of the project.
Basically, the results will help the relevant target groups and stakeholders to adapt the developed solutions in order to be able to implement the relevant EU directives themselves.
Thus, local authorities are the natural addressees of the developed solutions. The project results will show which departments and stakeholders need to be involved, which areas need special attention and which pitfalls to watch out for, as well as the infrastructure providers and public service providers who will also be enabled to implement the solutions accordingly. For small and medium-sized enterprises (depending on the local conditions and the corresponding dissemination of the project solutions), a new market will emerge that they can work on accordingly.
Universities and research institutions will be informed about existing and developed solutions in the field of biowaste management and can build on the results and conduct further research in this and similar fields

1,402 / 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 Policy development for the implementation of the EU Waste Framework Directive on the sustainable management of bio-waste. In all partner countries, specifically in the respective partner regions. Germany: City of Rostock and owned municipal company for waste management Denmark: Bornholm Poland: Pomerania region	Local authorities are the natural addressees of the solutions developed, the strategies proposed and the possible strategic areas of intervention. The results will help them to implement the appropriate project solutions themselves. The project results will show which departments and stakeholders need to be involved, which areas need special attention and which pitfalls to be aware of. 388 / 1,000 characters
Target group 2 Infrastructure and public service provider Implementation of sustainable technical solutions for bio-waste management, collection and treatment in urban and rural areas. All partner regions Denmark: Bornholm Germany: Rostock Poland: EkoDolina Łężyce/Gdynia Nowy Dwór/Chojnice	Infrastructure and public service providers will be empowered by the project results to implement the solutions accordingly. Within the project, they have helped to formulate the obstacles and challenges related to bio-waste management (including recycling) so that these could be overcome in the further course of the project. Other service providers who will encounter similar barriers will thus have a handout to overcome these barriers 440 / 1,000 characters
Target group 3 Small and medium enterprise Development of the concepts and technologies with the municipalities and business activities All partner regions Germany: Blackforest Solutions	Small and medium-sized enterprises are informed and benefit from the proposed new solutions, as in the best case (depending on the local conditions and the corresponding spread of the project solutions) a new market emerges that they can work on accordingly. 258 / 1,000 characters
Target group 4 Higher education and research institution Germany: University of Rostock Poland: Institute of Fluid-Flow Machinery-Polish Academy of Sciences	University and research institutions will be informed about existing and developed solutions in the field of biowaste management and can build on the results and conduct further research in this and similar areas 212 / 1,000 characters

Durability of the output

The implemented pilot measures are designed in such a way that they can continue to be used after the project period and serve as an example of good practice.

In combination with publications (at conferences and in scientific and popular science journals), it can be ensured that the project results will continue to be used and transferable to other regions.

In a further step, the results will be put into practice in Rostock in order to optimise the existing system. In addition, the project partners will engage in European activities and share the project results with interested stakeholders. The project results will be prepared in such a way that they can be adapted and implemented in principle or which measures contribute to this.

746 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: Dissemination						
O.3.2: Dissemination and promotion of developed solutions						

5.6.7 This deliverable/output contains productive or infrastructure investment

6. Indicators

Indicators

Output indicators

Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).
RCO 84 – Pilot actions developed jointly and implemented in projects	1	N/A	N/A
RCO 116 – Jointly developed solutions	1	O.3.2: Dissemination and promotion of developed solutions	The results achieved are disseminated and made available to the public through various activities such as conferences, workshops, publications and social media. The participating municipalities and other local authorities at European level can also benefit from the technical and institutional results and adapt and implement them to their own needs. This includes public relations work, technical systems for separate collection, recycling of material flows and types of financing. 482 / 1,000 characters

Result indicators

Result indicator	Total target value in number	Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.
RCR 104 - Solutions taken up or up-scaled by organisations	1	The technical implementation of the results is carried out in Denmark by BOFA in which collection systems for food waste and green waste are set up and put to high-quality use. For the collected biowaste, technology chains for high-quality energy and material recovery are set up and operated within the project. The Polish partner is involved in the production of organic fertilisers and the establishment of sustainable value chains beyond the end of the project. The results will be put into practice in Rostock in order to optimise the existing system. The project partners are involved in Europe and will continue to use and share the project results with interested stakeholders. The results of the project will be processed in such a way that they can be adapted and implemented in principle, or what measures help to do so. 832 / 2,000 characters

Output indicators

Output indicator	Total target value in number
RCO 87 - Organisations cooperating across borders	6

Result indicators

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.	
PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders	15	Project partners and associated organisations	Projectpartners: 1. University of Rostock 2. BlackForest Solutions GmbH 3. Regional Municipality of Bornholm 4. The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences 5. EKO DOLINA SPÓŁKA Z O.O. Associated organisations: 1. City of Rostock 2. SR Municipality company for waste management 308 / 1,500 characters
		Other organisations	Other organisations: 1. enviMV (Environmental technology network from MV) 2. BN Umwelt (Consulting company for waste management and environment) 3. DBFZ (German biomass research center) 4. German RETech Partnership (network of German companies and institutions in the waste management and recycling industry for the export of innovative technologies and the transfer of know-how) 5. PREVENT Waste Alliance (a platform for exchange and international cooperation) 6. ISWA (Network to Promote and Develop Sustainable and Professional Waste Management Worldwide and the transition to a Circular Economy) 7. IOW (is an independent research institution specializing in interdisciplinary study of coastal oceans and marginal seas) 8. DGAW (NGO for waste management and circular economy) 780 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

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

Other EU support of preparatory cost

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

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

No. & role	Partner name	Partner status	CAT0 - Preparation costs	CAT1 - Staff	CAT2 - Office & administration
1 - LP	University of Rostock	Active 22/09/2022	24,000.00	355,680.00	53,352.00
2 - PP	BlackForest Solutions GmbH	Active 22/09/2022	0.00	185,760.00	27,864.00
3 - PP	Regional Municipality of Bornholm	Active 22/09/2022	0.00	259,393.20	38,908.98
4 - PP	The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences	Active 22/09/2022	0.00	210,115.56	31,517.33
5 - PP	EKO DOLINA Ltd.	Active 22/09/2022	0.00	64,054.80	9,608.22
Total			24,000.00	1,075,003.56	161,250.53

No. & role	Partner name	CAT3 - Travel & accommodation	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	University of Rostock	53,352.00	70,000.00	35,000.00	591,384.00
2 - PP	BlackForest Solutions G	27,864.00	8,000.00	0.00	249,488.00
3 - PP	Regional Municipality of	38,908.98	118,000.00	0.00	455,211.16
4 - PP	The Szewalski Institute of	31,517.33	115,000.00	15,000.00	403,150.22
5 - PP	EKO DOLINA Ltd.	9,608.22	20,000.00	0.00	103,271.24
Total		161,250.53	331,000.00	50,000.00	1,802,504.62

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
1. University of Ros	National control	CAT4-PP1-F-0	FLC 3 / 100 characters	No	N/A	20,000.00
2. BlackForest Solu	National control	CAT4-PP2-F-0	FLC 3 / 100 characters	No	N/A	8,000.00
3. Regional Municip	National control	CAT4-PP3-F-0	FLC 3 / 100 characters	No	N/A	18,000.00
4. The Szewalski In	Events/meetings	CAT4-PP4-A-0	Events, Meetings, Workshops 27 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2	4,000.00
4. The Szewalski In	Communication	CAT4-PP4-C-0	Communication support 21 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2	1,000.00
4. The Szewalski In	Specialist support	CAT4-PP4-E-0	Documentation 13 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2	10,000.00
4. The Szewalski In	Specialist support	CAT4-PP4-E-0	Completing the pilot installation for fertiliser production in 1/4 industrial scale 84 / 100 characters	No	2.3	100,000.00
	Total					331,000.00

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
3. Regional Municip	Communication	CAT4-PP3-C-0	Events, Meetings, Workshops 27 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2	20,000.00	
3. Regional Municip	Specialist support	CAT4-PP3-E-0	Support for pilot developing and implementation 47 / 100 characters	No	2.1 2.2 2.3	40,000.00	
3. Regional Municip	Specialist support	CAT4-PP3-E-1	investigating citizen behaviour, and awareness campaigns 56 / 100 characters	No	1.1 1.2	40,000.00	
1. University of Ros	Events/meetings	CAT4-PP1-A-1	Events, meetings, workshops for dissemination and communication 63 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2	25,000.00	
1. University of Ros	Specialist support	CAT4-PP1-E-1	Engeneering design 18 / 100 characters	No	1.1 1.2 1.3 2.1 2.2 2.3	25,000.00	
5. EKO DOLINA Lt	Events/meetings	CAT4-PP5-A-1	Events, meetings, workshops for dissemination and communication 63 / 100 characters	No	2.3 3.1 3.2	10,000.00	
5. EKO DOLINA Lt	Specialist support	CAT4-PP5-E-1	Educational campaign and LivingLab activities 46 / 100 characters	No	3.1 3.2	10,000.00	
	Total					331,000.00	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
1. University of Ros	IT hardware and soft	CAT5-PP1-B-0	Computer, software and online equipment 39 / 100 characters	No	2.1	5,000.00
1. University of Ros	Laboratory equipmen	CAT5-PP1-D-0	Consumables, test kits, tools, spare parts 42 / 100 characters	No	2.1	20,000.00
1. University of Ros	Tools or devices	CAT5-PP1-F-0	Measurement 11 / 100 characters	No	2.1	10,000.00
4. The Szewalski In	Laboratory equipmen	CAT5-PP4-D-0	Consumables, chemical laboratory kits, tools, spare parts 57 / 100 characters	No	2.1 2.2	15,000.00
	Total					50,000.00

7.1.3 Infrastructure and works

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

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	University of Rostock	Active 22/09/2022	DE	ERDF	80.00 %	591,384.00	473,107.20	118,276.80	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	BlackForest Solutions GmbH	Active 22/09/2022	DE	ERDF	80.00 %	249,488.00	199,590.40	49,897.60	
3-PP	Regional Municipality of Bornholm	Active 22/09/2022	DK	ERDF	80.00 %	455,211.16	364,168.92	91,042.24	
4-PP	The Szewalski Institute of Fluid Flow Machinery Polish Academy of Sciences	Active 22/09/2022	PL	ERDF	80.00 %	403,150.22	322,520.17	80,630.05	
5-PP	EKO DOLINA Ltd.	Active 22/09/2022	PL	ERDF	80.00 %	103,271.24	82,616.99	20,654.25	
Total ERDF						1,802,504.62	1,442,003.68	360,500.94	
Total						1,802,504.62	1,442,003.68	360,500.94	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Preparation costs	24,000.00	19,200.00	24,000.00	19,200.00
Period 1	154,841.98	123,873.59	154,841.98	123,873.59
Period 2	223,552.48	178,841.98	223,552.48	178,841.98
Period 3	223,552.48	178,841.98	223,552.48	178,841.98
Period 4	223,552.48	178,841.98	223,552.48	178,841.98
Period 5	670,657.44	536,525.95	670,657.44	536,525.95
Period 6	282,347.76	225,878.20	282,347.76	225,878.20
Total	1,802,504.62	1,442,003.68	1,802,504.62	1,442,003.68