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## Interreg South Baltic Programme 2021-2027

### Supplementary Application Form (SAF)

#### How to use

1. Please complete the white and red (conditional formatting) cells of the tables. The blue and green cells of the SAF are locked and shall not be edited by the project. The blue cells give information on the data requested, while the green cells are completed by formulas.
2. Red cells or messages mean error in the SAF, please resolve these issues before submission.
3. Before completing the editable, cells please click into them and read the additional guidance on the expected information and character limit in the pop-up window.
4. If relevant, please cross-check whether the information provided in the tables is in line with the additional guidance next to the tables.
5. The completed SAF shall be uploaded to the Appendices section of the Application Form in WOD2021.
6. The Annex 1 and Annex 2 sheets can be used to print the Project Partner Declarations and the Letters of Commitment.
7. Please make sure that all the information provided in SAF is consistent with the data provided in the Application Form in WOD2021 system.

In case of any further questions, please do not hesitate to contact the project officers at the **Interreg South Baltic Programme Joint Secretariat**. Contact details can be found at the **programme website**.

#### Joint Secretariat

**Interreg South Baltic Programme 2021-2027**

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




**website: [www.southbaltic.eu](http://www.southbaltic.eu)**

# INTERREG SOUTH BALTIC PROGRAMME 2021-2027

## 1st CALL FOR PROJECT PROPOSALS

**20 December 2022 - 15 February 2023**

<b>Project acronym</b> (max. 50 characters)	ECONUT	
<b>Project title</b> (max. 150 characters)	Eco-designing for the coastal zone nutrient's circularity	
<b>Programme Measure</b>	2.3 - Supporting a circular and more resource efficient development	
<b>Application version</b> (date)	2023-07-10	
<b>Project start date</b>	2023-09-01	
<b>Project end date</b>	2026-08-31	
<b>Duration</b> (months)	36	
<b>List of project partners</b>		
Number	Project partner's name in English	Country
LP	Klaipeda University	Lithuania
PP2	Lithuanian Research Centre for Agriculture and Forestry	Lithuania
PP3	Gdansk University of Technology	Poland
PP4	Sustainable Development Skåne	Sweden
PP5	University of Rostock	Germany
PP6	University of Southern Denmark	Denmark
<b>List of associated partners</b>		
Number	Associated partner's name in English	Country
AP1	Administration of Silale's District Municipality	Lithuania
AP2	JSC Palanga communal utility	Lithuania
AP3	John Nurminen Foundation	Other
AP4	Finnish Environment Institute	Other
AP5	Regional Inspectorate for Environmental Protection in Gdansk	Poland
AP6	En God Granne	Sweden
AP7		
AP8		
AP9		
AP10		
<b>Additional information</b>		
Has the project received seed money financing to develop the project application?	Yes	
Is the project granted with the strategic project label of the Interreg South Baltic Programme?	No	
Is investment planned in the project?	Yes	

INTERVENTION LOGIC						
PROGRAMME MEASURE		PROJECT OBJECTIVE AND ASSOCIATED PROGRAMME MEASURE			PROJECT OBJECTIVE (max. 200 characters)	
2.3 - Supporting a circular and more resource efficient development					The ECONUT project will aim to design and develop the technology of the nutrient flow cycle following the circular economy and sustainable soil and water management principles for a regional bioeconomy.	
OUTPUT INDICATORS						
MEASURE SPECIFIC GUIDANCE FOR DEFINING PROJECT OUTPUT INDICATORS (guidance after selecting the Measure)						
1. It is obligatory to define at least one project output indicator that contributes to RC0116 - "Jointly developed solutions" Programme indicator. 2. Maximum for project output indicators contributing to RC0116 - "Jointly developed solutions" can be defined in the project. These shall be introduced in the calls for Output indicator 1-4. As default "Jointly developed solutions" cannot be selected as Output indicator 5. 3. Target values of project output indicators that contribute to RC0116 - "Jointly developed solutions" shall be one, i.e. each solution developed in the project shall be a separate project output indicator.						
PROGRAMME OUTPUT INDICATOR (to be selected from drop-down list after selecting the measure)		THE PROJECT OUTPUT INDICATOR TITLE (max. 200 characters)	PROJECT OUTPUT INDICATOR DESCRIPTION (max. 750 characters)	VALUE AFTER PROJECT (quantitative)	MEASUREMENT UNIT	DURABILITY OF PROJECT OUTPUT INDICATOR (max. 100 characters)
RC0116 - Jointly developed solutions (obligatory)			<b>Output indicator 1</b>  The creation of ECONUT technology that will consist of the joint work of all partners and describe the process. Create a solution strategy to meet the aim of the Sustainable Europe Subject - model agreement. The most results. It will include specifications on technical, social and economic feasibility. The created technology described in the whitebook will also show a guiding document for new cross-border initiatives and cooperation between municipalities, environmental policy and green agriculture representatives.	1.00	Number of solutions	The developed technologies and value added products based on the circularity of the manure biomass and substrate use and soil will be presented in the ECONUT whitebook. These technologies specifications and value added products will be used for new initiatives as well as for educational purposes. PPAs also aims to address regional policies on investments by providing knowledge to decision makers.
		Create the technology of comprehensive soil amendment preparation from manure biomass and its application for sustainable nutrient cycling in agriculture described in the project whitebook.				
RC0116 - Jointly developed solutions (obligatory)			<b>Output indicator 2</b>  The creation of ECONUT technology that will consist of the joint work of all partners and describe the process. Create a solution strategy to meet the aim of the Sustainable Europe Subject - model agreement. The most results. It will include specifications on technical, social and economic feasibility. The created technology described in the whitebook will also show a guiding document for new cross-border initiatives and cooperation between municipalities, environmental policy and green agriculture representatives.	1.00	Number of solutions	The developed technologies and value added products based on the circularity of the manure biomass and substrate use and soil will be presented in the ECONUT whitebook. These technologies specifications and value added products will be used for new initiatives as well as for educational purposes. PPAs also aims to address regional policies on investments by providing knowledge to decision makers.
		Create the technology of the substrate preparation for bio-based value production and balancing from manure biomass and its application for the circularity of the nutrient flow and value recovery described in the project whitebook.				
RC038 - Pilot actions developed jointly and implemented in projects			<b>Output indicator 3</b>  Three pilot cases focusing on the potential change of the manure biomass for climate agriculture, soil and people, system sustainability and circular economy production will be developed for 3 pilot regions (strategic and technical analysis). To choose the most suitable scenarios, the implementation of pilot cases including the evaluation of enabled scenarios from technical, social and economic perspectives as well as the potential of results (the pilot project phases) including evaluation of external stakeholders.	3.00	Number of pilot actions	Project consortium aims to responsibility of the knowledge of the pilot cases and extend to promote the solutions over the project time period. It will also aim to resources for the further promotion of the solution in other regions and have allocated the funding to carry the durability and transferability of the pilot cases.
		Pilot cases with focus on innovative nutrient cycling solutions for increasing soil quality and crop nutrient value as well as manure stability and sustainability.				
RESULT INDICATORS						
PROGRAMME RESULT INDICATOR		PROJECT RESULT INDICATOR TITLE (max. 200 characters)	PROJECT RESULT INDICATOR DESCRIPTION (max. 750 characters)	BASELINE (quantitative)	VALUE AFTER PROJECT (quantitative)	DURABILITY OF PROJECT RESULT INDICATOR (max. 100 characters)
RC0116 - Solutions taken up or up scaled by organisations			<b>Result indicator 1</b>  The number of early/rapid partner implemented the created technologies for the nutrient flow's circularity and sustainable range of soil and water acceptance as well as their value added products that are verified for agriculture will be the main project's result indicator. The nutrient creation and development will improve manure biomass management efficiency and create space for the demonstration of future new business models that not only create a desirable nutrient plants environment that also contribute to the surface water state and climate change mitigation. The created value added products developed in the project phase to select the most appropriate business models for the market launch.	1.00	Number of solutions	The developed technologies and value added products will be used for promotion of the pilot technologies following the circular economy and sustainable management principles in the EU region. The created technologies regarding soil and sustainable nutrient cycling will be targeted municipalities, commercial offices companies, environmental protection authorities and other interested parties as a guide for leading with their implementation of new business models regarding possibilities in the future.
		A comprehensive and implemented value added product designed for effective nutrient accumulation in the soil for further regulation.				
RC0116 - Solutions taken up or up scaled by organisations			<b>Result indicator 2</b>  The number of early implemented the created technologies for the nutrient flow's circularity and sustainable range of soil and water acceptance as well as their value added products (value added) for manure production will be the main project's result indicator. The nutrient creation and development of future new business management solutions in circular economy for the demonstration of future new business models that not only create a desirable nutrient plants environment that also contribute to the surface water state and climate change mitigation. The created value added products developed in the project phase to select the most appropriate business models for the market launch.	1.00	Number of solutions	The developed technologies and value added products will be used for promotion of the pilot technologies following the circular economy and sustainable management principles in the EU region. The created technologies regarding soil and sustainable nutrient cycling will be targeted municipalities, commercial offices companies, environmental protection authorities and other interested parties as a guide for leading with their implementation of new business models regarding possibilities in the future.
		A solution as value added product designed for the manure value as bioenergy measured by effective nutrient supply.				
DELIVERABLES						
Work package	Deliverable number	Deliverable definition			VALUE AFTER PROJECT (quantitative)	
WP1	Del.1	Nutrient cycling approach, understanding and early pilot development			1	
	Del.2	Mapping of suitable areas across of nutrient cooperation and biomass handling			1	
	Del.3	Assessment of methods for collection and treatment of the substrate			1	
WP2	Del.1	Pilot cases for development and validation nutrient cycling system description			3	
	Del.2	Creation of value added products			2	
	Del.3	Development of technologies of the nutrient flow's circularity			2	
WP3	Del.1	Evaluation of climate benefits of land areas covered from the land and its agricultural use, soil fertility, water quality and biodiversity mapping			1	
	Del.2	Traditional and innovative nutrient recycling system calculations and their comparison			1	
	Del.3	Development of value added products and nutrient cycling technologies and their assessment			1	
WP4	Del.1	Business strategies for each of the pilot cases technologies described in the project			1	
	Del.2	Business models for the business strategies of each of the pilot cases technologies			1	
	Del.3	Plans for the market launch of each of the pilot cases technologies			3	

WORKPLAN											
Project start date	01.09.2023										
Project end date	31.08.2026										
Duration (months)	36										
Activity/Deliverable number	Brief description of the activity/deliverable	2023		2024		2025		2026		2027	
		reporting period		reporting period		reporting period		reporting period		reporting period	
		Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec
WORK PACKAGE 1 - MANAGEMENT AND COORDINATION											
Coordinating partner	LP										
WP title	Management and coordination										
Management activity 1	Consortium building (clarification, subsidy contract, partnership agreement and updating)		X	X	X	X	X	X	X		
Management activity 2	Kick-off meeting (creating administrative project structure and routines)			X							
Management activity 3	Project meetings (including online meetings)		X	X	X	X	X	X	X		
Management activity 4	Ongoing project coordination and management (operational action and tasks for reaching project objectives)		X	X	X	X	X	X	X		
Management activity 5	Reporting (ongoing report, progress report, FLC procedures)		X	X	X	X	X	X	X		
Management activity 6	Project stakeholders and network management (involvement competences of APs and external participants; transfer of knowledge)		X	X	X	X	X	X	X		
CONTENT-RELATED WORK PACKAGES											

WORK PACKAGE 2													
Coordinating Partner	PP2												
WP title	Collection and processing of bio-substrate												
Deliverable 2.1	Nutrient cycling approach, methodology and work plan development	Value after the project	1.00			X							
Deliverable 2.2	Mapping of coastal zone areas of nutrient concentration and biomass sampling	Value after the project	1.00				X						
Deliverable 2.3	Analysis of methods for collection and treatment of bio-substrate	Value after the project	1.00			X							
Activity 2.1	Project approach, methodology and work plan development				X	X							
Activity 2.2	Development and analysis/mapping of the amount of the nutrients flows in the PPs regions				X	X	X						
Activity 2.3	Development the processing and use of marine biomass for dune stabilization					X	X						
Activity 2.4	Development of marine biomass pre-treatment for a soil amendment and for dune slope stabilization					X	X						
Activity 2.5	Analysis of nutrient's and pollutants amount in the beach wrack and treated bio-substrates					X	X						
Activity 2.6	Network development to improve marine biomass cycling in a coastal zone					X	X	X	X	X	X		
Activity 2.7	Sharing the knowledge and good practice of rational use of resources in the SB region (study tours, cross-border workshops)							X	X	X	X		
Activity 2.8	Dissemination the project material via project and PPs websites					X	X	X	X	X	X		
Activity 2.9													
Activity 2.10													
WORK PACKAGE 3													
Coordinating Partner	PP3												
WP title	Value-added products and nutrient cycling technologies' development												
Deliverable 3.1	Pilot cases for development and installation nutrients' cycling system description	Value after the project	3.00							X			
Deliverable 3.2	Creation of value added products	Value after the project	2.00								X		
Deliverable 3.3	Development of technologies of the nutrients' flow's circularity	Value after the project	2.00								X		
Activity 3.1	Planning of pilot cases					X	X						
Activity 3.2	Installation and running of "nutrient cycling" pilot cases.					X	X	X	X	X			
Activity 3.3	Running and maintenance of pilot cases						X	X	X	X			
Activity 3.4	Analysis and assessment of the complex soil amendment applicability and sustainability						X	X	X	X			
Activity 3.5	Analysis and assessment of the dune slope stabilizer applicability and sustainability						X	X	X	X			
Activity 3.6	Creation of value-added products (organic fertilizer and dune slope stabilizer) for agriculture and dune protection						X	X	X	X			
Activity 3.7	Development of technologies of the nutrients' flow's circularity and sustainable usage of soil and water ecosystems						X	X	X	X			
Activity 3.8	Creation of pilot cases awareness among relevant target groups (study tours/workshops)						X	X	X	X	X		
Activity 3.9	Network communication on improvement of joint cooperation solutions for clean coastal zone by engaging the interested parties						X	X	X	X	X		
Activity 3.10	Implementation of the project joint solutions into practice (at least at one company)									X	X		
WORK PACKAGE 4													
Coordinating Partner	PP6												
WP title	Evaluation of nutrients recycling technology's impact to the climate change												
Deliverable 4.1	Evaluation of climate benefits of beach wrack removal from the coast and its application for soil fertility, slope stability and biodiversity reviving	Value after the project	1.00								X		
Deliverable 4.2	Traditional and innovative nutrient circularity's footprint calculations and their comparison	Value after the project	1.00								X		
Deliverable 4.3	Developed the value-added products and nutrient cycling technologies' end-of-life assessment	Value after the project	1.00								X		
Activity 4.1	Development of assessments' methodology					X	X						
Activity 4.2	Laboratory incubation experiment assessing the marine biomass effect on emission of greenhouse gases						X	X	X	X	X		
Activity 4.3	Pilot cases data compilation and processing							X	X	X	X		
Activity 4.4	System/model/technology analysis							X	X	X	X		
Activity 4.5	Project results' of nutrients recycling technologies and final products dissemination and communication with target audiences								X	X	X		
Activity 4.6	Creation of risk analysis tool						X	X	X	X	X		
Activity 4.7	Visual material and success story preparation									X	X		
Activity 4.8	Final coastal zone nutrient circularity conference organization									X	X		

Activity 4.9														
Activity 4.10														
WORK PACKAGE 5														
Coordinating Partner	PP4													
WP title	Market analysis and development of business models													
Deliverable 5.1	Market analyses for each of the pilot cases' technologies developed in the project	Value after the project	3.00							X				
Deliverable 5.2	Business models for the business adoption of each of the pilot cases' technologies	Value after the project	3.00									X		
Deliverable 5.3	Plans for the market launch of each of the pilot cases' technologies	Value after the project	3.00									X		
Activity 5.1	Collection of information about nutrients markets through reports and interviews					X	X							
Activity 5.2	Collection of information about each of the technologies in the development stage						X	X	X	X	X	X		
Activity 5.3	Development of market analyses and consultation with each partner around market and business opportunities for their developments						X	X	X	X	X	X		
Activity 5.4	Information to possible customers and users of the nutrients developed about the products and interviews with them							X	X	X	X	X		
Activity 5.5	Development of business models							X	X					
Activity 5.6	Development of plans for the market launch in cooperation with each of the partners									X	X			
Activity 5.7	Dissemination and communication on project activities and results of all project target groups									X	X			
Activity 5.8	Project Whitebook preparation									X	X			
Activity 5.9														
Activity 5.10														
INDIRECT COSTS - TECHNICAL WORK PACKAGE (costs calculated based on flat rate)														
Number	Partner's name in English						Office and administration (obligatory)	Travel and accommodation (obligatory)	Staff cost (optional, if 20% flat rate on direct costs is used to calculate staff costs)					
1 lead partner	Klaipeda University						15% of staff costs	15% of staff costs	No					
2	Lithuanian Research Centre for Agriculture and Forestry						15% of staff costs	15% of staff costs	No					
3	Gdansk University of Technology						15% of staff costs	15% of staff costs	No					
4	Sustainable Development Skåne						15% of staff costs	15% of staff costs	No					
5	University of Rostock						15% of staff costs	15% of staff costs	No					
6	University of Southern Denmark						15% of staff costs	15% of staff costs	No					
PROJECT PREPARATION - TECHNICAL WORK PACKAGE (lump sum)														
Lump sum for project preparation costs - Technical WP	Has the project received seed money financing to develop the project application?			Yes										
	If yes, please provide the name(s) of the project(s), and Programme if other than South Baltic (max. 500 characters). Nutrient cycling for sustainability, seed funding													
	Lump sum for project preparation The project is not entitled to receive lump sum for preparation costs and thus lump sum WP for preparation costs shall not be created in WOD.													

Communication plan				
Communication goals, activities and communication tools, target values, division of tasks between partners				
Is the project granted with the strategic project label of the Interreg South Baltic Programme?			No	
1. Communication objective at the BEGINNING of the project implementation (max. 300 characters)				
Interactive presentation for educational purpose on climate change, eutrophication and soil degradation. Explanation of the coastal zone biomass, its role, metabolism, evidence for their usage for agriculture and more. Aim of communication –to create an interest to the value-added product/technology.				
	Target groups (max. 500 characters)	Communication activities (max. 1000 characters)	Communication tools and target value (items or persons) (max. 1000 characters)	Coordinating project partner
1	Public and private industrial and agricultural land owners as well as property developers in the region including their municipal subsidiary companies and regional authorities that are involved in soil restoration processes and public land development.	Raise awareness of development of the nutrients' flow system following the circular economy and sustainable water management principles in the Baltic Sea region. Some interactive data will be presented for the audience in educational purpose on climate change, eutrophication and soil degradation around the Baltic Sea. The explanation of the coastal zone biomass, its role and metabolism and evident that resources do not receive sufficient attention from business or regional authorities will be given. Biomass are considered as biowaste and are taken away, but has high nutrient contents and wide usage spectrum. Researchers suggest using biomass for agriculture and sustainable food production as well as for the slope stability and biodiversity application. Earlier start of communication with public, business and local authorities can create high interest to the value-added product such as complex soil amendment and its preparation technology.	Individual meetings and seminars/workshops with farmers, local authorities, representatives of educational institutions (university, schools, kindergartens), and representatives of citizen councils and clubs. Newsletters, visual materials and short films sent through own communication channels of partners. Social media tools such as LinkedIn and live discussions will help to implement the dynamic exchange of ideas and knowledge between project partners and stakeholders for project network development. It is expected to reach farmers, academy institutions, citizens/public and other interested parties.	PP4
2	Public and private industrial and agricultural land owners as well as property developers in the region including their municipal subsidiary companies and regional authorities that are involved in soil restoration processes and public land development.	In the middle of the project implementation - to disseminate results and evaluation of pilot cases showcasing sustainable nutrient cycling technologies application possibilities in coastal zone and its direct and indirect results to agri-products quality, surface water state, soil fertility and climate change mitigation.	Study tours, workshops, individual meetings, seminars and own communication channels of partners with public and private industrial land owners. Newsletters sent through the partner networks to the target groups where we promote our developed pilot cases. Articles about our pilot cases evaluation will be published in the scientific media as well as a visual information tools will be prepared and posted on the external marketing channels. It is expected to reach farmers, academy institutions, citizens/public and other interested parties.	PP4
3				
2. Horizontal communication activities DURING project implementation				
Online communication (max. 150 characters)		Project activities will be shared on PP's websites. Project LinkedIn profile will be created as a social media tool.		
Cross-project activities (max. 150 characters)		Transfer of knowledge with other relevant BSR projects through academic or public events, seminars, workshops, etc.		
Audio-visual materials to the Programme (e.g. photos, videos, etc.)		The requested audiovisual materials will be delivered.		
Participation in Programme events		The project will be represented on Programme events.		
3. Communication objective at the END of the project implementation (max. 300 characters)				
Aim of communication - to raise cross-border awareness of available nutrient cycling technologies and created new value-added products through new arenas of cooperation that focus on a circular economy approach. Transfer of knowledge through developing the nutrient's circularity network including nutrient's circularity educational purposes.				
Projects are obliged to deliver a success story towards the end of the project (preferred format: short video). Please confirm this.			The success story will be delivered.	
	Target groups (max. 500 characters)	Communication activities (max. 1000 characters)	Communication tools and target value (items or persons) (max. 1000 characters)	Coordinating project partner
1	SB region farmers, agricultural specialists, local and regional authorities (municipalities), environmental protection agencies, public health care and food risk assessment institutions, entrepreneurs, scientists, communal utilities, NGO, public.	Communication with target groups explaining the need of sustainable nutrients recycling practices, explain what it means and why it is important to be resilient, diverse, resource efficient; showing results from pilot cases and providing data and evidence on productivity, resource efficiency, resilience, sustainability etc. Interested parties, especially farmers, will be encouraged to engage in environmental care and make informed choices using environment-friendly methods; this can help protect and restore coastal zone environment and biodiversity, improve soil condition and water quality, and guarantee food production in the region; finally it can contribute to the development of more climate-resilient areas.	Field workshops, study tours, own communication channels by partners, visual materials, publication in popular press. Social media tools such as LinkedIn will contribute for reaching various target groups for successful communication and dissemination activities. It is expected at least to reach SMEs, farmers, local authorities and politicians, environmental protection authorities representatives, academy institutions, food risk evaluation institutions representatives, citizens/public, NGO's.	PP4
2	European Commission representatives, EUSBSR Policy Area Nutri Coordinator, public and private project stakeholders and interested parties, NGO's, public.	Sharing - transfer of knowledge and good practice of rational use of marine resources in the Baltic Sea region. Project's results of nutrients recycling technologies and final value-added products dissemination and communication with the target groups. All the results of the ECONUT project will be presented in the final conference, with a special emphasis on the circularity of the nutrients' flow and sustainable usage of dune, soil and water ecosystems and opportunities for exploitation and replication. Share information on Whitebook preparation.	An international conference will be organized in the summer 2026. Representatives of EU Member States and the European Commission as well as policy and decision makers, academy, SMEs, farmers and NGOs will be invited. It is expected at the end of the project to reach 25 SMEs (5 each country), 100 farmers (20 each country), 25 local authorities and politicians (5 country each), 10 environmental protection authorities representatives (2 each country), 25 academy institutions (5 country each), 5 food risk evaluation institutions representatives (1 each country), 200 citizens/public (40 country each), 10 NGOs (2 country each).	PP4
3				