

Project Name	Application Code	Project Code	Promoter	Partner	Donor Project Partner	NUT II	Sector	Project Abstract	Project Tipology	Eligible Expenditure Approved	Taxa de Financiamento Aprovada	Approved Fund	Co-Financing Approved	Co-Financiamento Aprovado
Help our Ocean with 3D printing	EEA.BG.SGS1_2.002.2021	PT-INNOVATION-0083	ZERO P, LDA			Algarve	Fisheries/aquaculture (development of innovative products and technologies in fisheries/ fish farming sector)	<p>The sea pollution has been a widely debated topic and has gained notoriety and popularity in recent times. The reduction of the ecological footprint of the human being in the seas has been the subject of much controversy, as there are always two strands, on one hand it is known that the problem exists and there is a will to resolve it and on the other hand the associated costs in capturing residues on the sea surface and the pollution resulting from the same capture process.</p> <p>This project, is highly innovative national and even international level, aims to be an example for civil society of the real concept of the circular economy. We will use "garbage", plastic from the oceans, to produce new products, giving a new life cycle to the manufactured product.</p> <p>The project was conceived through the implementation of the newest technology of 3D printing in conjunction with the previously exposed problem present in the maritime sector through the production of diverse material used both by the population and throughout the fishing industry.</p> <p>In this way, we will not only contribute to the removal of waste from the oceans, but also contribute to the reduction of consumption of "virgin" material.</p> <p>The project aims to achieve the production of a wide range of products as well as to improve the competitiveness of Portuguese companies, which meet the objectives proposed in the notice.</p> <p>Regarding the target audience of the project considered that the entire public in general will be considered beneficiaries of this project, both directly and indirectly. On the one hand, we have the final consumer, who may be interested in purchasing all the products produced. In a second point of view, the project will also contribute to a more sustainable development of all marine fauna and flora, which will also contribute to human health through the ingestion of a smaller amount of microplastics present in the fauna and flora captured in the within the food industry.</p>	New technologies, processes and solutions that directly or indirectly improve the environmental performance of the economic activities of blue economy	480 393,00 €	299 999,00 €	50,00%	150 000,00 €	330 393,00 €
SEAWEED2PLANT	EEA.BG.SGS1_2.005.2021	PT-INNOVATION-0086	Generosa - Comércio e Serviços, Lda.	GreenCoSLAB - Associação Oceano Verde - Laboratório Colaborativo para o desenvolvimento de tecnologias e produtos verdes do oceano		Algarve	Blue biotechnology	<p>Algae production in controlled systems has high costs, restricting their commercialization in value-added markets such as cosmetics, human nutrition or in highly specialized products for the aquaculture sector. The fact that these markets have very well-defined quality specifications and with high requirements, results in the production of significant quantities of non-compliant biomass in the stocks of algae-producing companies. Most often, these biomasses have biochemical properties very similar to high quality products but are rejected because they have, for example, a different colour, unusual smell, high bacteria content, contamination with other algae, among others. The small quantities to which they are produced also imply that they are not economically viable to produce fertilisers for other sector such as agriculture.</p> <p>The SEAWEED2PLANT project aims to create a marketing channel to sell a nutrient solution (fertilizer) developed from by-products of the algae industry in Portugal, that can be used in the niche market of indoor plants, a rapidly growing market. This commercialization will contribute positively to the efficiency of resources use, in a circular economy rationale, as well as the goals of reducing inorganic fertilizers.</p>	Develop and commercialize innovative technologies, processes and solutions	186 411,00 €	177 805,00 €	80,00%	142 244,00 €	44 167,00 €
Digitalisation and Circularity for Maritime as-built Information	EEA.BG.SGS1_2.007.2021	PT-INNOVATION-0088	Geomodel 3D Modelling Studio LDA	Laboratório Nacional de Engenharia Civil, I.P.		Área Metropolitana de Lisboa	Environmental monitoring and surveillance activities	<p>The transition to a circular economy provides the opportunity for port infrastructures to address the problem of waste management considering its life cycle, from its prevention and reduction to its treatment and handling. However, measuring and interpreting the physical environment in maritime ports is a complex and time-consuming task, usually performed by a human operator, and where the data transferability is subjected to manual procedures and errors, which result in an inaccurate and incorrect analysis.</p> <p>The DiCiMa project aims to develop a service to optimize data creation, its interoperability and reuse based on a circular structure. This disruptive solution is particularly focused on the domains of waste management and cargo data at maritime ports, seeking to review and perform data-acquisition processes – data analysis and its integration – certify metrics, and provide effective decision-making advisory, to transform, support, and close the data cycle.</p>	Develop and commercialize innovative technologies, processes and solutions	185 329,00 €	185 329,00 €	80,00%	148 263,00 €	37 066,00 €
CAT WEATHER	EEA.BG.SGS1_2.003.2021	PT-INNOVATION-0084	iClimate Adviser, Lda.			Norte	Environmental monitoring and surveillance activities	<p>Weather and climate change will strongly impact human activities in particular maritime activities. Only with advance information is it possible to take advantage of meteorological opportunities, plan, optimize resources, reduce costs, or save lives in businesses linked to the sea, the coast or activities on land.</p> <p>The CAT Weather project aims to implement a weather forecast platform, web portal and programming interface (interconnection with other applications), that allows to take advantage of the meteorological opportunities and protects business from the harshness of weather. The project is based on a functional prototype based on iFAB technology (Intelligent Forecast Accuracy Booster), that allows to improve short-term weather forecasts, taking into account microclimates, and Weather Business Intelligence, business-oriented indicators that allow a simple reading of the impact of weather and climate on business activity, together with monthly and seasonal perspectives.</p> <p>The development of this platform will allow the expansion of this system, improving accessibility and making access faster to companies with maritime activities, ports or maritime and land operators, in particular civil protection, and can also be expanded to agricultural, logistics or transport companies.</p>	New technologies, processes and solutions that directly or indirectly improve the environmental performance of the economic activities of blue economy	171 649,00 €	171 649,00 €	60,00%	102 989,00 €	68 659,00 €
AQUAFEED	EEA.BG.SGS1_2.006.2021	PT-INNOVATION-0087	inFEED, Lda	PHYTOALGAE, LDA Aquabala – Sociedade de Aquacultura das Ilhas, Lda		Região Autónoma da Madeira	Fisheries/aquaculture (development of innovative products and technologies in fisheries/ fish farming sector)	<p>The AQUAFEED project comprises the development of a biotechnological process based on the biotransformation of industrial organic residues by the action of decomposing invertebrates and photosynthetic microorganisms for production of biomass with high nutritional value in order to produce innovative food products specialized in the nutrition of sea bream in aquaculture, contributing to the introduction of scientific knowledge, technological development and ecological sustainability in the Blue Economy sector of the Madeira Island. The inFEED is a biotech startup specialized in the development of integrated biotechnological systems for the ecological nutrition of aquatic species in aquaculture through the valorization of industrial organic residues based on technical-scientific knowledge from the domains of Biotechnology, Circular Economy and Blue Economy. The activity of inFEED consists mainly in three main areas: (1) biotechnological processing of industrial organic residues to obtain biomass with high nutritional value; (2) technological processing of biomass for production of food products for the nutrition of aquaculture species; and (3) the technical-scientific experimentation of new nutritional solutions that promote the efficiency and ecological sustainability of aquaculture systems.</p>	Apply innovative blue technologies/processes/solutions (new-to-the enterprise) which main objective is to increase competitiveness and sustainability of blue economy by greening their activity	187 500,00 €	187 500,00 €	79,00%	148 125,00 €	39 375,00 €
Sistema Integrado de Monitorização de Erosão Costeira	EEA.BG.SGS1_2.001.2021	PT-INNOVATION-0082	PIXAIR, Sociedade Unipessoal		Norwegian Research Centre	Centro	Environmental monitoring and surveillance activities	<p>The SIMEC project aims to create a smart, digital and low cost service to star collecting data of the erosive processes of the littoral coast of Portugal. So far, other existing services act punctually, not aiming to create databases through time. Coastal Erosion, is a very slow dynamic effect that needs the support of database over time to create conditions to evaluate the rhythm of losing territory to the sea. Which situation or problem does the project aim to address? (provide reference to evidence, include reference to the relevant laws or policies, where relevant). The littoral Coast of the CIM Oeste Territory, has very unic natural conditions for the development of SIMEC project due to the orientation of the territory to the predominant winds and waves direction. On top of this natural conditions and through the 95 km Coast line ( Between Alcobaça and Torres Vedras) there are all kinds of terrain morphology, infrastructures existence, dune zones, viewpoints, high altitude cliffs, flood risk zones, tourism infrastructures, fishing ports, architectural heritage, even buildings that were legalized long time ago and perhaps illegal constructions that are in risk of retreat or being destroyed. Alongside this factors, the Littoral Coast has an extreme economic importance due to the desired tourism excellence and concerning the immediate safety of the users.</p> <p>The project aims to generate high precision 3D digital models ( data base) every 6 months that can be compared between each other and for the same location and therefore identify variations in the terrain. With time and maturity of the database, it will be possible to identify territory changes that will constitute scientific support information for the Coastal management representatives. In the long term, create conditions to predict recoil rate of the territory.</p> <p>The project aims to achieve a very mature and operational service that can be afforded by the Municipalities in order to maintain updated data for high risk eroded Coastal sites. The project will develop periodic ( 6/6 months) data collecting campaigns and 3D high precision modulation for generating scientific information at a low cost using innovative and digital methods.</p>	Apply innovative blue technologies/processes/solutions (new-to-the enterprise) which main objective is to increase competitiveness and sustainability of blue economy by greening their activity	150 744,00 €	147 149,00 €	67,00%	98 637,00 €	52 106,00 €
BlueEdge Predictive Management for RAS	EEA.BG.SGS1_2.004.2021	PT-INNOVATION-0085	Fathombox, Lda.		Hatch Blue Norway AS Marinenolmen RASlab AS	Algarve	Fisheries/aquaculture (development of innovative products and technologies in fisheries/ fish farming sector)	<p>The management of a Recirculating Aquaculture System (RAS) is a very hands-on task and depends greatly on the specific experience and knowledge of the farm managers, who need to be familiar with many different systems and processes to manage the various aspects of operations. For production to become viable on a large-scale, RAS must overcome the current lack of technology which fully integrates biological, human and mechanical aspects together with the quality of feed and circulating water in these systems.</p> <p>The BlueRAS project aims to develop a digital platform for the management and monitoring of the daily operations of a fish farm in RAS. Data from sensors that measure water quality, laboratory analysis, daily reports and equipment operation will all be integrated into a single platform to facilitate the supervision of operations. To achieve that, machine learning algorithms will be developed to automate processes and to calculate new indicators to help manage operations, and thus, enhancing scalability and efficiency of RAS.</p>	Develop and commercialize innovative technologies, processes and solutions	186 556,00 €	186 556,00 €	80,00%	149 245,00 €	37 311,00 €
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