

Project Name	Application Code	Project Code	Promoter	Partner	Donor State Partner	NUT II	Sector	Project Abstract	Project Typology	Total Approved Expenditure	Eligible Expenditure Approved	Grant Rate Approved	Approved Fund	Co-Financing Approved
CELS - Circular Economy of Limpet Shells	EEA.BG.SGS1.001.2019	PT-INNOVATION-0058	Go Limpets Lda.		Nofima AS	Região Autónoma da Madeira	Fisheries/aquaculture (development of innovative products and technologies in fisheries/ fish farming sector)	Limpets are one of the most popular marine molluscs in the Macaronesian region. However, only a small percentage of limpets corresponds to the edible part, while the remaining, namely their shells, are considered waste and sent to landfills.  The CELS project aims to address the under-usage of this valuable marine resource by creating new value chains to reuse this waste, potential sources of biomaterials for other industries, following a circular economy approach.  To achieve this goal, the project intends, through the resolution of legal, logistic and food safety aspects related to the collection of shell waste from restaurants, establish a network of potential waste providers and the protocol for its proper handling. Secondly, the technical aspects of the mineral extraction process will be addressed resulting in the installation of the required equipment for processing the shells, and carrying out initial tests for the extraction of their minerals depending on the requirements of potential customers. Finally, the extractable materials will be analysed for yield and purity of the final product and a scalable business plan established.	New technologies, processes and solutions that directly or indirectly improve the environmental performance of the economic activities of blue economy	152 050,00 €	150 000,00 €	89,15%	133 720,00 €	18 330,00 €
PhytoBlueFrac - Optimização de produção de microalgas para	EEA.BG.SGS1.002.2019	PT-INNOVATION-0059	PHYTOALGAE, LDA	Universidade da Madeira		Região Autónoma da Madeira	Blue biotechnology	The PhytoBlueFrac project aims to develop new food supplements from the biomass of microalgae, namely the derivatives of its lipid fraction. These compounds are known for their high antioxidant capacity, and its production and enhancement can be modelled according to the cultivation conditions.  Thus, the microalgae will be cultivated in low-cost planar photobioreactors, in which the nutrients made available in the cultivation will be the target of an optimization process. The subsequent extraction of bioactive compounds will be carried out by a fractionation methodology, which allows them to be extracted until the biomass is completely exhausted, monetizing their production, and reducing associated costs.  This process will lead to nutraceutical food supplements, natural and biological, manufactured to provide a superior and differentiated quality level, and with a high market value, due to its outstanding biological capacity for prevention and treatment of some diseases affecting the world population.	Develop and commercialize innovative technologies, processes and solutions	149 998,00 €	149 998,00 €	86,08%	129 111,00 €	20 887,00 €
Solar Power Electric Charging Dock and Electric Boat	EEA.BG.SGS1.003.2019	PT-INNOVATION-0060	Eblueboat, Lda.		International Development Norway AS/ Morefish	Área metropolitana de Lisboa	Shipbuilding and shipping (development of innovative products and technologies)	One of the great challenges of the nautical sector is its evolution towards environmental sustainability. The growing increase in air pollution has restricted the use of combustion engines in many lakes, rivers and canals, so the demand for the use of renewable energy engines has grown considerably. This trend of decarbonization has created new needs, such as charging batteries with clean energy.  The FaroBoats Solar Set Solution Project aims to reduce the number of boats with combustion engines and give private and maritime-tourist companies, who travel in more sheltered waters and with boats up to 5m, the possibility to have a totally autonomous and environmentally friendly solution.  To this end, it is intended to produce a fiberglass boat with an exclusive and innovative design, incorporating a 100% electric motor. A loading dock for solar and wind energy will also be developed associated with the boat, which, in addition to charging the batteries with renewable energy, allows the vessel to be removed from the water, protecting it from the weather. The fact that the dock does not require connection to the public power grid, allows it to be placed where access to the electricity grid does not exist, making the whole boat and dock 100% autonomous.	Develop and implement 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	291 643,00 €	187 500,00 €	80,00%	150 000,00 €	141 643,00 €
LOOP Wind - Location Optimization for Offshore Platforms	EEA.BG.SGS1.004.2019	PT-INNOVATION-0061	Wunderocean, Lda.	Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação	Norwegian Research Centre	Centro	Ocean renewable energy sector	LOOP Wind project consists of an Artificial Intelligence software, which seeks to optimize the location and the design of offshore wind platforms, reducing costs and time to wind energy promoters and wind farms.  The solution will use new technologies that are revolutionising many industries, namely Machine Learning, being able to, based on historical data, to detect patterns, predict and recommend the best options for implementation of offshore wind platforms, such as their orientation or the size of the turbines in specific locations. The main inputs will include meteorological and oceanographic data, inland data, populational data and data related to spatial constraints (military areas, tourist areas, fishing areas and maritime traffic lanes). It will have standard and modular components, different modules and map layers, it will be scalable, and it will use the cloud to be profitable and accessible from everywhere at any time.	Business development from early innovation stage up to testing of new technologies and supporting their first presentation to the market (piloting and demonstration facilities - TRL 4 - 9)	249 796,00 €	161 459,00 €	92,87%	149 954,00 €	99 842,00 €
Disruptive solution for waste volume measurement	EEA.BG.SGS1.005.2019	PT-INNOVATION-0062	Geomodel 3D Modelling Studio	Administração do Porto de Aveiro, S.A. Faculdade de Arquitetura da Universidade de Lisboa	Environment Agency of Iceland KLAPPÍR - Environmental Solutions	Área metropolitana de Lisboa	Commercial ports	Despite regulations that help mitigate the problem of marine litter, including the obligation to keep it on board ships until it can be dumped into suitable port infrastructures, these may not be complied with, given that the volume of litter placed in containers it is difficult to measure accurately.  The CLEVER-Volume project aims to respond to this problem, providing an innovative solution to face the challenges of waste management in port infrastructures, allowing the rigorous measurement of waste volume, and with the following characteristics: 1) capacity for automatic and remote operation; 2) ability to interoperate with other databases; 3) ability to map waste variables that characterize its life cycle.	New technologies, processes and solutions that directly or indirectly improve the environmental performance of the economic activities of blue economy	171 595,00 €	170 484,00 €	80,00%	136 387,00 €	35 208,00 €
Minimize microplastic contamination in onshore (RAS) meag	EEA.BG.SGS1.006.2019	PT-INNOVATION-0063	SEAentia-food, Lda.	Instituto Português do Mar e da Atmosfera, I. P.	SINTEF	Centro	Fisheries/aquaculture (development of innovative products and technologies in fisheries/ fish farming sector)	Microplastics (MP) in the marine ecosystem are a growing threat to food biosecurity. The production of marine fish in a recirculating aquaculture system (RAS) may shield them from this contamination.  The MP-RAS project aims to evaluate the effectiveness of this water ultrafiltration system in removing microplastics, minimizing their levels in the fish produced. To this purpose, it will be used the meagre, an emergent species in aquaculture characterized by its large size, low fat content, and good processing efficiency. The levels of Microplastic in meagre produced in RAS will be then compared to those from produced meagre in open-sea cages and those from wild-capture meagre.  This project will allow the production of meagre with significantly low levels of microplastics in its muscle tissue, compared to other commercial sources, avoiding the disruption that microplastics might have on fish development and growth and improving their production and quality. Low / free microplastics content certification will make it possible to add value to the final product, which will ultimately benefit human health by reducing microplastics ingestion.	Develop and implement 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	149 835,00 €	149 835,00 €	91,53%	137 144,00 €	12 691,00 €
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