



## Overview Sixth Call Proposals

Project name	Budget in EUR*	Partnership:	Summary
<b>Priority Axis 1 - Innovation</b>			
<b>366 SW-GROW</b> Innovations for Seaweed Producers in the Northern Periphery Area	Total cost	1.839.340,60	<p>Lead Partner: Lews Castle College (SC)</p> <p>Partnership: Údarás na Gaethica (IE), Institutionen för skogens biomaterial och teknologi (SE), An Lanntair (SC), NUI Galway (IE), TARI (FO), Western Isles Marine and environmental Ltd (SC), Háskoli Island (IS), Arktisk Teknologi Center (GL)</p> <p>The objective of the project is to increase economic opportunities in the seaweed industry by developing innovative working practices that can be widely adopted by the many SMEs involved in this project in the NPA region to develop quality seaweed products of consistent standard that are identifiable and can be clearly branded.</p> <p>The project will identify common issues throughout the Region and give access to high-level R&amp;D links within academic partners across regional and national borders to pilot solutions that can be adopted throughout the industry - thus developing solutions that enable technology transfer across the Programme area - in particular benefiting SMEs. This will result in higher levels of innovation and competitiveness in remote and sparsely populated areas by transfer and development of models and solutions that facilitate technology transfer to, and across, the Programme area.</p>
	Total grant	1.143.540,56	
	ERDF	824.509,80	
	Iceland	101.280,00	
	Faroe Islands	85.609,00	
Greenland	132.141,76		
<b>352 SYMBIOMA</b> Industrial Symbiosis for Valorisation of Waste Biomass from Food and Beverage Industries	Total cost	1.561.815,58	<p>Lead Partner: Centria University of Applied Sciences (FI)</p> <p>Partnership: Institute of Technology Sligo (IE) Norwegian Institute of Bio economy Research (NO) Hermanni Winery Ltd (FI) Luleå University of Technology (SE) Future Eco North Sweden AB (SE)</p> <p>The SYMBIOMA project aims to kick start a circular transformation and make a measurable contribution to delivering the boost in economic development, environmental services and entrepreneurial innovation in rural areas. For this purpose viable multidisciplinary circular economy related SYMBIOMA Technology Innovation Platform in NPA region will be established and service package. The Platform service portfolio will include access to laboratory and pilot scale infrastructures and expertise to evaluate the valuable components from process side and waste streams and develop technology innovations, technology transfer support, knowledge about similar or compatible waste streams in the region in order to increase volume and improve possible profitability via aggregation, and assistance in exploring collaborative dynamics and business models such as clustering and industrial symbiosis. Food and beverage SMEs are vital in the NPA region and are therefore chosen as a pilot basis for project activities. Approach can be up-scaled and replicated across other industry segments in rural regions.</p>
	Total grant	958.364,17	
	ERDF	881.797,67	
	Norway	76.566,50	

\* Disclaimer: the final amounts will be established during the contracting phase. Figures displayed here are no guarantee.

Project name	Budget in EUR*		Partnership:	Summary
				To ensure relevance of the project activities and Platform services to needs of SMEs multifunctional a multidisciplinary team will be gathered and consists of university research groups, laboratory and pilot infrastructure providers, R&D services providing SMEs, manufacturing SMEs and business support organisations. Project's results will have an immediate exploitation reach to 75 potential SMEs, who will be approached during the implementation stage. The 12 business support organisations and numerous authorities will be trained to promote circular economy and SYMBIOMA services.
<b>354 ChatPal</b>	Total cost	1.495.550,58	Lead Partner: Ulster University (NI)	Current mental health service provision for NPA citizens cannot meet the rising demand to prevent and manage mental ill health. ChatPal will undertake pilot trials in 5 NPA regions, increasing citizen access to psychotherapeutic support using a computer-based intervention service which will be in the form of a conversational user interface, or chatbot, based partly on the needs analysis workshops carried out in the NPA VoicePal preparatory project. This chatbot service will be available 24/7 and allows users to receive support through a natural voice or text based conversation that is driven by artificial intelligence. ChatPal augments and extends the reach of traditional existing services but does not replace these services. ChatPal will enable people to easily access support at the point of need in the form of a conversation. Evidence within the preparatory project suggests that citizens will engage or open up sooner to an online virtual presence (chatbot) in comparison to a human project worker due to anonymity and the lack of stigmatisation.
Conversational	Total grant	972.107,85		
Interfaces	ERDF	972.107,85	Partnership: University of Eastern	
Supporting Mental Health and Wellbeing of People in Sparsely Populated Areas			Finland (FI), Norrbotten Association of Local Authorities (SE), Region Norrbotten (SE), Luleå University of Technology (SE), NHS Western Isles (SC), Action Mental Health (NI), Cork Institute of Technology (IE)	
<b>Priority Axis 3 - Renewable Energy and Energy Efficiency</b>				
<b>360 Energy Pathfinder</b>	Total cost	1.060.207,96	Lead Partner: University College Cork (IE)	The Energy Pathfinder project aims to support owners of historic building in the NPA region and in Europe, by building and demonstrating an on-line Toolkit which enables the culturally and socially appropriate energy retrofit of historic buildings. To support this Toolkit, Pathfinder! Will draw experiences from the application of co-design processes (involving users and residents), relevant retrofit measures and renewable energy installations, and user-engagement and improved energy behaviour. The Toolkit and component actions will allow building owners to consider working towards Near Zero Energy (NZEB) standards.
Approaching Near	Total grant	689.135,16		
Zero Energy in Historic Buildings	ERDF	508.003,24	Partnership: Oulu University of Applied Sciences (FI), Umea University (SE), NCE Insulation (IE), Landsverk (FO), Historic Environment Scotland (SC)	
	ERDF 20% Faroe Islands	106.312,37 74.819,55		
				Pathfinder will monitor actual energy use in demonstrator historic buildings, both before and after retrofit, and establish the benefit of different measures

Project name	Budget in EUR*	Partnership:	Summary
			<p>this will include both centralized and decentralized energy management and improved energy behaviour. Energy Pathfinder will evaluate and the business case for retrofit and energy management in historic buildings, showing that they can be sustainable from an energy and CO2 perspective, economically viable and socially and culturally relevant.</p> <p>Energy Pathfinder! brings together Partners from 6 NPA regions, encompassing a comprehensive range wide range of skills, building types, climatic conditions, and cultural and regulatory environments.</p> <p>Associate partners will help integrate local authorities, building owners and other key stakeholders into the Project. 6 demonstrator historic building will be used to demonstrate the key elements of the Toolkit, including co-design, insulation, renewable energy, and energy monitoring and management. These demonstrators will provide data for the on-line Toolkit. The results of the project will be widely promoted and disseminated through a comprehensive communication programme.</p>
<b>354 HUGE</b> Hydrogen Utilization & Green Energy	Total cost 1.424.074,65 Total grant 875.088,35 ERDF 727.764,74 Iceland 54.595,91 Faroe Islands 92.727,70	Lead Partner: North Highland College UHI (SC) Partnership: The Highland Council (SC), Action Renewables (NI), University of the Faroe Islands (FO), Lappeenranta University of Technology, Savo (FI), National University of Ireland Galway (IE), Icelandic New Energy (IS), Aran Islands Energy Co-op (IE)	<p>The Hydrogen Utilisation and Green Energy project (HUGE) aims to provide communities with energy security by delivering to them the necessary tools to assess the hydrogen renewable energy chain opportunities in the Northern Periphery and Arctic (NPA) area and beyond. Whilst many communities in the NPA are challenged by low economic diversity, result of their peripheral locations, dispersed demography and lack of critical mass, they have abundant amounts of renewable energy resources available locally. On many occasions, where renewables are implemented, the generated electricity/heat is more than that required by the local population. At the same time the electric grid infrastructure in many NPA areas is underdeveloped, resulting in the curtailment of green electricity production, and inefficient resource use as clean energy is left unharnessed.</p> <p>HUGE aims to overcome these barriers by building capacity in communities, with the help of sectoral agencies and SME's to exploit the abundance of natural resources to their full potential through raising awareness about the benefits that can be delivered by employing a hydrogen economy.</p>

Project name	Budget in EUR*		Partnership:	Summary
				HUGE will achieve this by identifying and assessing viable technical processes for hydrogen operations, creating a business model for hydrogen utilization and enabling effective knowledge transfer through an online, multilingual platform. The result is the operational HUGE Output Tool (HOT) service, created by direct interaction with the relevant end-users and stakeholders, and ready for them to implement.
<b>348 SMARCTIC</b> Smart energy management in remote Northern, Peripheral and Arctic regions	Total cost	1.404.190,74	Lead Partner: European Regions Network for the Application of Communications Technology (IE)	Affordable, reliable and efficient supply and usage of energy is a major challenge for NPA communities. The approach of the SMARCTIC project to this challenge is to focus, not on individual buildings or public infrastructure, but on the entire stock of buildings and public infrastructure within the community and to minimise overall energy usage within the geographic boundary of that community.
	Total grant	879.396,25	Partnership: Lapland University of Applied Sciences (FI), Derry City & Strabane District Council (NI), Heat Research and Development (IS), Donegal County Council (IE), Association of Local Authorities Västernorrland (SE)	The main output, implementing the above approach, will be an ICT-based solution, a “Smart Energy Management Model” adaptable for deployment in a typical NPA community. This solution will be adapted from existing smart city models and use ICT technologies such as Artificial Intelligence (AI) and Internet of Things (IoT).  It will facilitate innovative energy pilots with companies and researchers; enable communication between energy stakeholders (e.g., consumers, public infrastructure owners) to build awareness, trial new solutions and change energy behaviour; collect and share energy data from multiple sources (buildings and houses, public lighting, road traffic, local weather).
	ERDF	768.303,87		
	Iceland	111.092,38		
<b>Total 6 main projects</b>	Total cost	8.785.180,11	Explanation country codes	
	Total grant	5.517.632,34	FI – Finland	AT – Austria
	ERDF	4.682.487,17	FO – Faroe Islands	CA – Canada
	ERDF 20%	491.610,38	GL – Greenland	DE – Germany
	Iceland	266.968,29	IE – Ireland	DK – Denmark
	Norway	76.566,50	IS – Iceland	PT – Portugal
	Faroe Islands**		NI – Northern Ireland	RU – Russia
	Greenland**		NO – Norway	NZ – New Zealand
			SC – Scotland	
			SE – Sweden	

\*\* In the Sixth Call, Faroese and Greenlandic partners are funded from the ERDF 20% source.