ERDF Ideas Under Development

Contents

Business Plan Stage 2

ERDF – Renewable Energy & Energy Efficiency 2

ERDF – Research & Innovation 7

ERDF – Connectivity & Urban Development 10

ERDF – Technical Assistance 15

Business Plan Stage

The projects in the 'business plan' stage are not a guarantee of an offer of EU funds. Please note that ideas at the initial 'pre-planning' stage are not included.

ERDF – Renewable Energy & Energy Efficiency

Title	**Morlais Tidal Stream Demonstration Zone**			
Potential backbone operation	No			
Organisation	Mentor Mon			
Synopsis	The operation will provide a demonstration zone with a 45 year Crown Estate lease, a "Rochdale Envelope" EIA marine licence and grid connectivity to enable tidal stream developers to demonstrate their devices from single devices up to arrays, with a ceiling of 30MW per developer.			
Programme	ERDF			
Specific Objective	SO3.1: To increase the number of renewable energy devices being tested in Welsh waters and off the Welsh coast, including multi-device array deployments, thereby establishing Wales as a centre for marine energy production.			
Group(s) targeted	Marine energy sector			
Geographical area	North West Wales			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Amanda Thomas Amanda.thomas3@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		√		

Title	**South Pembrokeshire Wave Demonstration Zone – Phase 1**			
Potential backbone operation	No			
Organisation	Wave Hub			
Synopsis	A feasibility study to ascertain the market need and design of a demonstration zone with a 45 year Crown Estate lease, a "Rochdale Envelope" EIA marine licence and grid connectivity to enable wave device developers to demonstrate their devices from single devices up to arrays, with a ceiling of 30MW per developer.			
Programme	ERDF			
Specific Objective	SO3.1: To increase the number of renewable energy devices being tested in Welsh waters and off the Welsh coast, including multi-device array deployments, thereby establishing Wales as a centre for marine energy production.			
Group(s) targeted	Marine energy sector			
Geographical area	South West Wales			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Amanda Thomas Amanda.thomas3@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
	√			

Title	**Dolwyddelan Community Hydro**			
Potential backbone operation	No			
Organisation	Conwy CBC			
Synopsis	The operation will demonstrate an 'islanded' smart grid from community energy generation.			
Programme	ERDF			
Specific Objective	SO3.2: To increase the number of small-scale renewable energy schemes established.			
Group(s) targeted	Dolwyddelan community			
Geographical area	North West Wales			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Bethan Owen Bethan.owen@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		✓		

Title	Tidal Fence			
Potential backbone operation	No			
Organisation	Kepler Energy			
Synopsis	The operation will demonstrate a single, full-scale 5MW tidal fence unit in the Morlais Demonstration Zone with the hope to build out to a 30MW fence thereafter.			
Programme	ERDF			
Specific Objective	SO3.1: To increase the number of renewable energy devices being tested in Welsh waters and off the Welsh coast, including multi-device array deployments, thereby establishing Wales as a centre for marine energy production			
Group(s) targeted	Marine energy sector			
Geographical area	North West Wales			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Sarah Gaudie Sarah.gaudie@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
			✓	

Title	**Caerau Heat Project**			
Potential backbone operation	No			
Organisation	Bridgend CBC			
Synopsis	The operation will demonstrate an 'islanded' smart grid from community energy generation.			
Programme	ERDF			
Specific Objective	SO3.2: To increase the number of small-scale renewable energy schemes established.			
Group(s) targeted	Other organisations with capacity to develop local/small scale energy schemes/the Community of Caerau in the Upper Llynfi Valley, the local supply chain			
Geographical area	Bridgend County Borough			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Bethan Owen Bethan.owen@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
			✓	

ERDF – Research & Innovation

Title	**IMPACT** – **I**nnovation **M**aterials **P**rocessing **A**nd Numeri**c**al **T**echnologies			
Potential backbone operation	No			
Organisation	Swansea University			
Synopsis	IMPACT includes a new building on the Swansea Bay Campus to provide an innovative material, processing and numerical technologies research base. It will house Specialist Laboratories, Innovations and Knowledge Exchange Space, the IMPACT Delivery Team and a Materials & Manufacturing Academy. This will enable the operation to deliver critical mass by providing the specialist space, tools, industrial engagement and higher skills development infrastructure. It aims to align world class technology development and delivery with industrial and entrepreneurial training in a multidisciplinary environment, within Swansea University's high impact research themes of Materials Science and Numerical Modelling.			
Programme	ERDF			
Specific Objective	SO1.1: To increase the success of Welsh research institutions in attracting competitive and private research funding.			
Group(s) targeted	• Higher Education Institutions • Other Institutions and Private Sector Businesses Investing in R&D • International Research Collaborators			
Geographical area	Swansea			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Jacqueline Jones Jacqueline.jones@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
			✓	

Title	**HPCW2 – Second Generation High Performance Computing in Wales**			
Potential backbone operation	No			
Organisation	Higher Education Consortia – Lead Cardiff University			
Synopsis	HPCW2 is a new operation that builds on the infrastructure and significant asset established by the original HPCW under the 2007-2013 ERDF Programme. It will provide enhanced high performance computing (hpc) services and expertise to facilitate new areas of research to conduct challenging simulations and deliver computational complexity at a scale not currently available thus enhancing the quality and impact of Welsh research.			
Programme	ERDF			
Specific Objective	SO1.1: To increase the success of Welsh research institutions in attracting competitive and private research funding.			
Group(s) targeted	Academic research groups, the NRNs, Research Institutes as well as individual researchers.			
Geographical area	Pan Wales			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Jacqueline Jones Jacqueline.jones@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		✓		

Title	**SPARC II** **Solar Photovoltaic Academic Research Consortium**			
Potential backbone operation	No			
Organisation	Swansea University, partnered by Bangor and Aberystwyth Universities			
Synopsis	SPARC II will build an internationally competitive R&I capacity in solar photovoltaic technology in Wales. The legacy will be a critical mass of strongly collaborating Welsh research centres providing continuity beyond the end of Smart Specialisation and additionally yielding positive impact on the expanding Welsh solar energy industry through access to world class expertise.			
Programme	ERDF			
Specific Objective	SO1.1: To increase the success of Welsh research institutions in attracting competitive and private research funding.			
Group(s) targeted	The three universities comprising 6 Centres* will provide a critical mass of R&D expertise covering advanced power electronics for efficient extraction of power from PV modules, development of materials processes for thin film PV and PV module design for building integrated PV (BIPV). This operation will work with the Welsh PV industry: inward investment, existing Welsh based SMEs, large & multinational companies. *These centres will collaborate with leading research centres worldwide, multinational companies in PV manufacture/ PV supply chain.			
Geographical area	West Wales			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Bethan Owen Bethan.owen@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
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ERDF – Connectivity & Urban Development

Title	**Building for the Future**			
Potential backbone operation	Yes			
Organisation	Welsh Government Homes and Places			
Synopsis	To assist in the regeneration of town centres supporting a regional or urban economic strategy by tackling derelict, under-utilised land or buildings. It will acquire, refurbish or re-develop unused buildings and land within town and city centres across Wales (WW&V) whilst creating jobs and growth and contributing to tackling poverty agenda. It will seek to enhance the skills set in the area. End users will be identified at an early stage to complement the support given to projects, whilst opportunities that arise from the projects will be promoted to those furthest from the employment market.			
Programme	ERDF			
Specific Objective	SO4.4: To increase employment through investments in prioritised local or regional infrastructure supporting a regional or urban strategy.			
Group(s) targeted	- Building/Land owners - Private Sector end users - Third sector and service providers - Individuals to undertake apprenticeships and training - Those who are unemployed or furthest from the employment market.			
Geographical area	West Wales and the Valleys			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Ceri Jones ceri.jones2@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
				✓

Title	**Ebbw Vale Line Frequency Enhancement**			
Potential backbone operation	Yes			
Organisation	Welsh Government Economy, Science and Natural Resources			
Synopsis	This operation will provide rail infrastructure enhancement comprising 11km of track redoubling (between Cross Keys and Aberbeeg) and additional platforms at two stations (Newbridge and Llanhilleth), providing improved inter-modal facilities and enabling a doubling in passenger service frequency (half-hourly up from current hourly service to Cardiff) on the Ebbw Vale line between Ebbw Vale Town and Cardiff and /or Newport			
Programme	ERDF			
Specific Objective	SO4.2: To increase urban and labour mobility to and from key urban and employment centres.			
Group(s) targeted	Train passengers using the Ebbw Vale line			
Geographical area	West Wales and the Valleys			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Craig Roberts craig.roberts5@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
			✓	

Title	**Strategic Employment Sites**			
Potential backbone operation	Yes			
Organisation	Welsh Government Economy, Science and Natural Resources			
Synopsis	Site preparation and provision of primary infrastructure (e.g. on & off site roads, drains and utility services), of up to 70 ha in strategic locations to provide a range of serviced sites/ plots for development to meet identified need/ demand.			
Programme	ERDF			
Specific Objective	SO4.4: To increase employment through investments in prioritised local or regional infrastructure supporting a regional or urban strategy.			
Group(s) targeted	The sites will aim to deliver land ready for development to enable business space to be developed to accommodate jobs. The sites have been chosen following consultation with SET's and will complement the Enterprise Zones of Energy in North Wales and Advanced Manufacturing in South East Wales, Welsh Government Sector priorities and the developing City Regions approach. The sites are in close proximity to strategic transport corridors thus ensuring sites are readily accessible by the immediate labour market.			
Geographical area	West Wales and the Valleys			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Aled Richard aled.richard@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		✓		

Title	**Property for Business Development Grant Fund**			
Potential backbone operation	Yes			
Organisation	Welsh Government Economy, Science and Natural Resources			
Synopsis	To support the safeguarding and creation of new jobs, the Property for Business Development Grant Fund is intended to support the safeguarding and creation of up to 660 jobs through the delivery of new or refurbished employment floor space. The fund is expected to provide up to 23,225 sq. m. (250,000 sq. ft.) of floor space.			
Programme	ERDF			
Specific Objective	SO4.4: To increase employment through investments in prioritised local or regional infrastructure supporting a regional or urban strategy.			
Group(s) targeted	It is expected that Applicants under the PBDG scheme will fall into one of the following two categories: a) The **Business End User** itself which has a credible plan to deliver new jobs through a new build or refurbishment scheme. The Business Applicant must have a deliverable scheme which identifies the employment opportunities which will be created as a result of the new build/refurbishment project. Under this scenario, the End user would manage the project through an appointed consultant Project Delivery Team which would effectively project manages the scheme (including the appointment /monitoring of the building contractors). In this case, the grant recipient and beneficiary would be the business End User (whether an SME or non-SME); b) Via a **Property Developer** , which through a contract with the business 'End User' , will provide new building or refurbished property through an Agreement to Lease or an Agreement to Sell prior to practical completion of the project. Again, the End User must have in place a credible business plan for job retention and creation set within the context of the specific property project. Under this scenario, the Developer would manage the entire project (including the appointment of consultants and building contractors). In this case, the grant recipient and beneficiary would be the contracting developer (whether an SME or non-SME).			
Geographical area	West Wales and the Valleys			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Aled Richard aled.richard@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		✓		

Title	**Property Infrastructure Fund**			
Potential backbone operation	Yes			
Organisation	Welsh Government Economy, Science and Natural Resources			
Synopsis	To address the lack of new and refurbished employment premises, the Property Infrastructure Fund is intended to support delivery of new or refurbished employment floorspace. The fund will create up to 23,225 sq. m (250,000 sq. ft.) of floor space.			
Programme	ERDF			
Specific Objective	SO4.4: To increase employment through investments in prioritised local or regional infrastructure supporting a regional or urban strategy.			
Group(s) targeted	Under the PIF, the project will be delivered by a Property Developer which will look to lease or sell the accommodation to an occupier, following practical completion of the project. Under this scenario, the Developer would manage the entire property project, including the appointment of consultants and building contractors. In this case, the grant recipient and state aid beneficiary would be the contracting developer (whether an SME or non-SME). In summary, the PIF scheme provides a vital means by which Developers can be financially supported to deliver new floor space by:- i) bridging the development's viability gap; and, ii) assisting with the securing debt finance.			
Geographical area	West Wales and the Valleys			
Region	West Wales and the Valleys			
WEFO team contact (inbox)	Aled Richard aled.richard@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
		✓		

ERDF – Technical Assistance

Title	**Mid Wales Regional Engagement Team**			
Potential backbone operation	No			
Organisation	Ceredigion County Council (lead organisation)			
Synopsis	The operation will enhance the integration and complementarity of investments with others across the ESI funds and other funding programmes at a regional level by ensuring engagement with a sector-balanced regional partnership and that regional strategic fit advice is provided to the Managing Authority.			
Programme	ERDF and ESF			
Specific Objective	SO5.3: To enhance the integration and complementarity of investments with other ESI funds and wider Commission led and Sector based programmes			
Group(s) targeted	n/a			
Geographical area	Mid Wales (Ceredigion and Powys)			
Region	West Wales and the Valleys & East Wales			
WEFO team contact (inbox)	Catrin Roberts Catrin.Roberts@wales.gsi.gov.uk			
Estimated total operation cost	Up to £4,999,999	£5,000,000 to £24,999,999	£25,000,000 to £39,999,999	£40,000,000 +
	✓			