

OCEANERA-NET COFUND

Second Joint Call

Webinar, 14th January 2018

The Project

- 5 year programme: 2017 to 2021
- Co-financed by the European Union under Horizon 2020
- **Co-funded Joint Call** to support transnational, collaborative projects to demonstrate innovative technologies for ocean energy
- **Second joint call** to support R&D in ocean energy
- **Other joint activities** to support coordination of research programmes, knowledge transfer and exploitation of results

Cofunded Joint Call - 2017



Total grant funding approved €8.2m, of which 33% EU

- INNOTEX: Naval Energies, OTEC, heat exchanger
- Sphorcis: Smalle Technologies, WEC for small offshore
- WEP+: Wedge Global, WEC + local energy system
- RESOURCECODE: EMEC, resource map, tools, platform
- TOPFLOTE: Orbital Marine, blade pitch regulation
- SEABLADE: Eire Composites, commercial tidal blade
- CF2T: Sabella, foundations tidal turbine
- UMACK: CorPower, anchoring and mooring system



Second Joint Call - 2019



- To support **transnational, collaborative projects** to develop, demonstrate and validate innovative technologies for ocean energy:
 - Wave Energy
 - Tidal and Ocean Currents
 - Tidal Range
 - Salinity Gradient,
 - Ocean Thermal Energy Conversion

Note: Not all funder can support all technologies

- Industry-led, needs-driven research
- Contribute to improved performance, reliability and survivability and reduction in the levelised cost of energy (LCOE)
- Proposed research should be relevant for more than one country, with clear added value from transnational collaboration.



Indicative Funding

Funding Organisation	Country / Region	Indicative Funding
Scottish Enterprise	Scotland, UK	GBP 1M
Statens Energimyndighet	Sweden	SEK 15M
Centro para el Desarrollo Tecnológico Industrial	Spain	EUR 950K
Sustainable Energy Authority Ireland	Ireland	EUR 1.49M
Fundação para a Ciência e a Tecnologia	Portugal	EUR 300K
Région Pays de la Loire	Pays de la Loire, France	EUR 487K
Flander Innovation and Enterprise	Flanders, Belgium	EUR 1M
TOTAL		EUR 6.8M

Call Topics

The call topics to be addressed by proposed projects are development, demonstration and validation of:

- 1. Ocean Energy Devices:** novel or improved energy conversion device concepts
- 2. Components and Subsystems:** including power take-off, monitoring and control systems, foundations, moorings, and platforms
- 3. Grid Connection and Power Systems:** electrical architecture, components, power systems, grid connection and grid balancing models, to facilitate the connection of multiple devices, optimised array electrical topology and integration of ocean energy with energy systems.

Call Topics (cont.)

4. Materials and Structures: new or improved materials and/or structure designs, including novel materials or novel application of materials from other industrial sectors; anti-biofouling coatings, materials or techniques; and improved manufacturing processes to produce materials with better properties for ocean energy applications.

5. Installation, Operations and Maintenance: technology, equipment and methods for installation, operations and maintenance of ocean energy systems and arrays, to reduce costs and maximise the safety and availability of ocean energy deployments.

6. Resource and Impact Assessment: tools for determining resource and environmental conditions and their impact on the reliability, survivability and performance of ocean energy devices, including effects of marine growth and corrosion, as well as the impact of ocean energy devices on the environment.

Technology Readiness Level (TRL)

- **Development, demonstration and validation** of technologies
- Progress technologies from **TRL 3 to 6** through to **TRL 4 to 8**
- Projects must advance technologies by at least one TRL

TRL 3: experimental proof of concept

TRL 4: technology validated in lab

TRL 5: technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6: technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7: system prototype demonstration in operational environment

TRL 8: system complete and qualified.

Eligible Technology Areas

Eligible Area	Eligible Technology Areas				
	Wave	Tidal / Ocean Current	Tidal Range	Salinity Gradient	OTEC
Scottish Enterprise (UK)	√	√	X**	X**	X**
Sweden	√	√*	X	√	√
Spain	√	√	√	√	√
Ireland	√	√	√	X	X
Portugal	√	√	√	√	√
Pays de la Loire (France)	√	√	√	X	√
Flanders (Belgium)	√	√	√	√	√

* No tidal barrage.

** SE's main focus is on wave and tidal but if a Scottish company is developing a product with potential application in another technology area we will consider supporting participation in a project

How Projects are Funded

- Each project partner will receive funding from their respective national / regional funding organisation (FO)
- National / regional rules apply – see Annex B to Guide for Applicants:
 - Eligible organisations
 - Eligible activities
 - Eligible costs
 - Maximum grant rates
- All consortium partners should contact their FO before submitting an Expression of Interest
- FOs will require additional applications / information - see Annex B and **check what is required and timescale for submission**
- Following selection of projects, formal approval by each FO will be required – this may take several weeks
- Contracts will be issued by FOs
- Project consortia must sign a Consortium Agreement

Eligibility Criteria: Submission

- The two parts, Expressions of Interest and Proposal application, must be submitted by the lead partner (Project Coordinator), in English and only in electronic form via the Electronic Submission and Evaluation System (ESES), by the stated deadline.
- Only documents based on the templates downloadable from the ESES will be accepted. The instructions for completion and page restrictions must be respected.
- Specific application forms or supplementary information are likely to be required by the national/regional FOs in addition to the OCEANERA-NET COFUND Expression of Interest and Proposal (please check requirements in Annex B).

Eligibility Criteria: Organisations

- The following organisations are eligible for funding, depending on national/regional rules: enterprises (small, medium and large); research organisations; universities.
- Each organisation must comply with the **national/regional rules for eligibility**. Please check these rules with the appropriate national/regional contact point.
- Organisations from countries/regions not providing funding to the call may participate in a project if they are able to secure their own funding. In such cases, this should be stated in the Expression of Interest and in the Proposal, including a statement on the source of funding. Funds and resources should be confirmed prior to submission of the Proposal and a signed **Declaration of Own Funding** must be submitted with the Proposal.

Eligibility Criteria - Consortium

- The Project Coordinator must be based/operating in a country/region participating in the OCEANERA-NET COFUND Joint Call 2019.
- Each proposal must be submitted by a project consortium consisting of **at least two eligible and independent organisations** based/operating in **at least two different countries** providing funding for the call. This minimum requirement will not be fulfilled by organisations from two regions within the same country.
- Projects should be industry led: **at least one of the partners must be an enterprise (company)** and **at least 51% of person-months or 51% of total project costs should be incurred across the enterprise partners** (excluding non-technical sub-contracts).

Eligibility Criteria - Projects

- Projects must be transnational by nature and must be fully relevant within the scope of the call.
- Consortia need to be balanced between countries/regions both in terms of number of partners and distribution of budget.
- The **total eligible budget of a single partner and/or a country/region cannot exceed 70 %** of the total eligible project budget (specific additional conditions could apply for some agencies, please check the national annexes).
- At least **two thirds (2/3) of project costs should be incurred by partners from countries/regions participating in the call**. Partners from other countries/regions have to secure their own funding.
- No minimum or maximum project size has been set, but applicants should be mindful of the total budget available and the allocation of budgets between national/regional FOs.
- Duration of projects must range between 12 and 36 months.

Call Timeline

OCEANERA-NET COFUND Additional Joint Call Timeline	
8 January 2019	Launch of the Joint Call
1 March 2019 17:00 CET	Deadline for the Expressions of Interest
8 March 2019	Approval of Expressions of Interest, submission tool open for full Proposals
5 April 2019 17:00 CET	Deadline for Proposals submission
October 2019	Communication of the evaluation outcomes and the funding decision to the project coordinators.
November 2019 to April 2020	National / regional funding approvals; Start of projects. Note: a common start date should be planned, based on advice from FOs on time to contract

How to Apply

- All applications must be submitted on-line on the OCEANERA-NET COFUND website, by the proposed Coordinator
- Expressions of Interest (Pre-Proposals) must be submitted by **17:00 CET 1st March 2019**
- Application system for Full Proposals will open on 8th March 2019
- Full Proposals must be submitted by **17:00 CET 5th April 2019**

Expressions of Interest

- Eols should be submitted **as soon as possible**
- These will not be formally evaluated by FOs but will be used to check eligibility and provide feedback
- Feedback within 2 weeks – **if positive, proceed with preparing proposal, do not wait for Eol to be approved on the on-line system**
- On-line approval of Eols is an administrative requirement to allow the system to open for Full Proposal system

How to Apply

- Detailed instructions on Guide for Applicants
- From Joint Calls page follow link to register **or**
- Log-in if you are already registered
- From My Account select Second Joint Call 2019 from the drop down list
- Click on **New Application**
- Complete details on-line – summary information, partner details
- Update pdf document
- **Submit** application
- You can submit multiple times – click **Edit** to unlock, make changes, Submit again
- On-line details can be amended between stages – including adding or deleting partners

Evaluation and Approval Process

- Expression of Interest - eligibility check by FOs
- Proposal:
 - Eligibility check by FOs
 - Review by independent evaluators
 - Ranked list of projects
- Initial selection of projects by FOs
- Applicants informed of decision
- Formal approval by FOs

Evaluation Criteria

Scientific or Technological Excellence:

- Relevance of the project to the call topics, contribution to the further development of the ocean energy sector;
- Scientific/technological quality: clarity and pertinence of the objectives; credibility of the proposed approach/technology including trans-disciplinary considerations where relevant; soundness of the concept;
- Ambition and innovation content: how ambitious, novel and innovative is the proposed work/technology, and to what extent does it go beyond the state-of-the-art?

Impact:

- The expected ability of the project to overcome relevant barriers and challenges while enhancing innovation capacity and integration of new knowledge;
- Future market deployment potential of the proposed innovation within European and global markets;
- Impact on European competitiveness and growth: strengthening the competitiveness of companies by developing innovations meeting the needs of European and global markets and, where relevant, by delivering such innovations to the public and private markets, public bodies and/or civil society organisations;
- Exploitation and dissemination among relevant stakeholders: effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant. Synergies and contribution to ongoing initiatives;
- Sustainability, added value, other economic, environmental and socially important impacts.

Quality and Efficiency of the Implementation:

- Coherence and effectiveness of the work plan: including appropriateness of the allocation of tasks and resources, realistic project timeline and budget, financial and operational capacity to deliver the project, and balance between partners in terms of budget;
- Consortium strength and quality: relevant experience/expertise of the consortium members, soundness, complementarity and competence diversity of the partners, including the value of conducting a transnational project;
- Appropriateness and strength of the project management structures and governance procedures, including risk and innovation management;
- Transnational added-value: the extent of transnational collaboration in the project and additional European value gained from conducting a transnational project.

Support

Partner Search Website:

<https://ocean-cofund-2019.b2match.io>

Enterprise Europe Network: <https://een.ec.europa.eu/about/branches>

Events:

- Bilbao Marine Energy Week – Ocean Energy Conference – 13th February
- National / regional events – see website

Joint Call Secretariat – technical support:

Joana Pinheiro, FCT joana.pinheiro@fct.pt Tel. +351 213 911 567

Gonçalo Zagalo, FCT gonçalo.zagalo@fct.pt Tel. +351 213 924 455

Karen Fraser, SE karen.fraser@scotent.co.uk Tel. +44 141 228 2066

National / regional contact points

Contacts



Organisation	Country / Region	Contact
Scottish Enterprise	Scotland, UK	Karen Fraser: karen.fraser@scotent.co.uk
Région de Pays de la Loire, Agence de Pays de la Loire	Pays de la Loire, France	Charlotte Sugliani: c.sugliani@agence-paysdelaloire.fr
The Sustainable Energy Authority of Ireland	Ireland	Darren Coppinger: Darren.coppinger@seai.ie
Fundação para a Ciência e a Tecnologia	Portugal	Gonçalo Zagalo Pereira goncalo.zagalo@fct.pt Joana Margarida Pinheiro: Joana.Pinheiro@fct.pt
Centro Para el Desarrollo Tecnológico Industrial	Spain (national)	Gema Del Rio Castro: gema.delrio@cdti.es
Statens Energimyndighet (Swedish Energy Agency)	Sweden	Marit Marsh Strömberg: marit.marsh-stromberg@energimyndigheten.se Maria Olsson: maria.olsson@energimyndigheten.se
Flanders Innovation and Entrepreneurship	Flanders, Belgium	Jozef Ghijselen: jozef.ghijselen@vlaio.be