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2nd call ERA-Net Ocean Energy

ELBE Seminar

“Getting to market in Blue Energy”

February 26th, 2019, Temse, Belgium

**AGENTSCHAP
INNOVEREN & ONDERNEMEN**

What is an ERA-Net?

- ▶ European Research Area – Network
- ▶ Implementation of **joint international calls for innovation projects** between national/regional funding agencies (with support from European Commission)
- ▶ Synchronisation of **national/regional funding programmes** – for VLAIO:
 - ▶ using existing Flemish funding programmes
 - ▶ focus on valorisation in Flanders
 - ▶ support from local networks (e.g. clusters)

ERA-Net Ocean Energy

2nd call for projects

- ▶ Transnational research and demonstration
 - ▶ wave energy
 - ▶ tidal and ocean currents
 - ▶ tidal range
 - ▶ salinity gradient
 - ▶ ocean thermal energy conversion (OTEC)
- ▶ Participating regions:
 - ▶ Flanders (BE)
 - ▶ Ireland
 - ▶ Pays de la Loire (FR)
 - ▶ Portugal
 - ▶ Scotland (UK)
 - ▶ Spain
 - ▶ Sweden

ERA-Net Ocean Energy 2nd call for projects

- ▶ Timeline:
 - ▶ call Open: 8th January 2019
 - ▶ deadline for Expressions of Interest: 1 March 2019, 17:00 CET
 - ▶ deadline for Full Proposal Submission: 5th April 2019
 - ▶ communication of results to applicants: October 2019
 - ▶ projects start from: November 2019
- ▶ www.oceancofund.eu/joint-calls

- ▶ VLAIO:
 - ▶ industrial research programme (incl. pilots): 1 M€ funding
 - ▶ projects for Spearhead Clusters (De Blauwe Cluster)
- ▶ www.vlaio.be/nl/nieuws/nieuwe-oproep-voor-innovatieprojecten-ocean-energy

ERA-Net Ocean Energy - topics

▶ **Ocean Energy Devices:**

- ▶ novel or improved energy conversion device
- ▶ in a test or real sea environment
- ▶ for learnings necessary for commercialisation

▶ **Components and Subsystems:**

- ▶ power take-off, monitoring and control systems, foundations, moorings, and platforms, ...
- ▶ for reducing failures
- ▶ reducing uncertainty and risk
- ▶ lowering costs of installation and recovery

▶ **Grid Connection and Power Systems:**

- ▶ electrical architecture and components
- ▶ power systems and grid connection
- ▶ for connection of multiple devices/arrays

ERA-Net Ocean Energy - topics

▶ **Materials and Structures:**

- ▶ new or improved materials and/or structure designs for cost effective ocean energy devices
- ▶ novel materials or novel application of materials from other industrial sectors
- ▶ anti-biofouling coatings, materials or techniques
- ▶ improved manufacturing processes to produce materials with better properties for ocean energy applications
- ▶ ...

▶ **Installation, Operations and Maintenance:**

- ▶ methods for installation, operations and maintenance of ocean energy systems and arrays
- ▶ to reduce costs and maximise the safety and availability

▶ **Resource:**

- ▶ tools for determining resources and environmental conditions
- ▶ their impact on the reliability, survivability and performance

Expressions of Interest: Eligibility check

2 documents (March 1, 2019, 17:00 CET)

- ▶ Comply with OCEANCOFUND rules: EOI
(Ocean Energy template – by project coordinator):
 - ▶ progress from TRL 3 ... 4 to TRL 6 ... 8
 - ▶ at least 2 eligible, independent partners from 2 different participating regions
 - ▶ projects should be industry-led

- ▶ Comply with national/regional rules: VLAIO Annex to EOI
(VLAIO template – only for Flemish partners):
 - ▶ VLAIO eligibility
 - ▶ impact for Flanders (economic leverage, competitiveness, SWOT, ...)
 - ▶ contact: jozef.ghijsselen@vlaio.be, 02/432.42.40

Full proposal: International evaluation

<p>Excellence</p> <p>Scientific and/or technological excellence - Quality of the transnational project</p>	<p>Impact</p> <p>Potential impact</p>	<p>Quality and efficiency of the implementation and management</p>
<p>1.1 Relevance to the MarTERA Priority Areas</p> <p>1.2 Sound concept and quality of objectives</p> <p>1.3 Innovation level (progress beyond the state of the art)</p> <p>1.4 Quality of the scientific-technological approach, methodology and work plan</p>	<p>2.1 The extent to which the proposed project is suitably ambitious in terms of its strategic impact on reinforcing competitiveness or on solving societal or environmental problems at European and regional level?</p> <p>2.2 The extent to which the innovation-related activities and exploitation and/or dissemination plans are adequate to ensure optimal use of the project results</p> <p>2.3 Added value of European transnational co-operation</p>	<p>3.1 Quality and effectiveness of the work plan, the consortium, the management structures and procedures</p> <p>3.2 Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resource in the project to fulfil that role</p> <p>3.3 Appropriateness of the allocation and justification of the resources to be committed (budget, staff, equipment ...)</p>



Questions?



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