



FINANCIACIÓN NACIONAL A EMPRESAS



Gabriel Barthelemy Candela

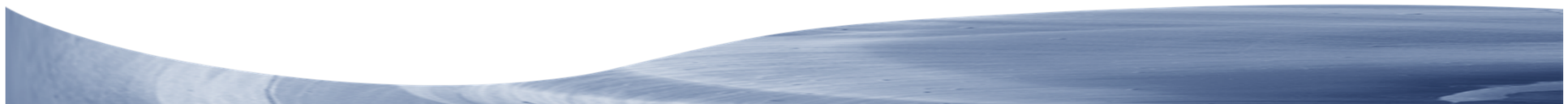
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ENCUENTROS CON LA MAR. El I+D+i en el sector marítimo.

Sede CDTI

27 de febrero de 2017



Cofunded Joint Call



- Joint Call funded by participating countries and regions and the European Union
 - To support transnational projects **demonstrating** and **validating** ocean energy technologies:
 - Wave energy
 - Tidal energy
 - Tidal range
 - Salinity gradient
 - Ocean thermal energy conversion
- * Not all countries regions can support all technologies, focus will be on wave and tidal stream

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 731700



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Cofunded Joint Call



Note:

The information in the following slides is **draft** at this stage. Although we do not expect significant changes, please check the Guide for Applicants when published for the final information.

Call Timeline



The following timeline is **indicative** and will be updated when the Cofunded Joint Call is launched:

- **Call open – 20 March 2017**
- Brokerage event – Seanergy, Le Havre, 21-23 March 2017
- Brokerage event – Marine Energy Week, Bilbao, 30 March 2017
- **Step 1 (Pre-proposal) deadline – 26 May 2017**
- Notification of applicants – 30 June 2017
- **Step 2 (Full Proposal) deadline – 8 September 2017**
- Notification of applicants – December 2017
- Project start – from January 2018



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Funding Available



Funding Organisation	Eligible Area	Indicative Budget (EURO)*
Scottish Enterprise	Scotland, UK	5 970 149
Région Bretagne	Brittany, France	1 492 537
Région de Pays de la Loire	Pays de la Loire, France	1 492 537
The Sustainable Energy Authority of Ireland	Ireland	2 985 075
Centro Para el Desarrollo Tecnológico Industrial	Spain (national)	1 000 000
Ente Vasco de la Energía	Basque Country, Spain	2 238 806
Statens Energimyndighet	Sweden	1 762 537
Total		16 941 642
* Includes national / regional and EU contributions		
* FCT, Portugal is not participating in the Cofunded Joint Call		



Funding Available



- Funding allocated for the call by the 7 funding organisations
- EU funding allocated to match the national / regional budgets (EU funding is 33% of the total budget)
- The amount per region is indicative – allocation of funding will depend on the proposals received and the ranking of projects following independent evaluation
- **EU funds of up 5.5m EURO may be used to fill funding gaps**
- Funding will be in the form of grant. Grant rates vary according to size / type of organisation, type of activity and national / regional rules – check the Guide for Applicants for details

**CDTI: Subvención: 60% pequeñas,
50% medianas, 40% grandes empresas**



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Objectives



- Improving the performance, reliability and survivability of **ocean energy devices**
- Acceleration of technology development and cost reducing innovative technologies which can lead to capital (CAPEX) and operational (OPEX) **cost reduction and LCOE optimisation**
- Development and validation of innovative solutions to address **challenges common to ocean energy technologies, particularly relating to operation** in the marine environment
- Transfer and adaptation of **experience from other sectors**
- Stimulate the development of **supply chain** capability and capacity



Call Topics - Draft



- 1. Ocean Energy Devices:** Demonstration of novel or improved energy conversion device concepts in a test or real sea environment, with a focus on generating learning necessary for commercialisation.
- 2. Components and Subsystems:** Validation of components and subsystems, including but not limited to power take-off, monitoring and control systems, foundations, moorings, and platforms; with a focus on reducing failures by testing in ocean conditions and design of systems that reduce uncertainty and risk and allow overall lower costs of installation and recovery of devices.
- 3. Grid Connection and Power Systems:** Demonstrate and validate electrical architecture and components, power systems, and grid connection to facilitate connection of multiple devices and optimised array electrical topology.



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Call Topics - Draft



4. Materials and Structures: Design, test and validate new or improved materials and/or structure design to enable the cost effective development of ocean energy devices, including but not limited to 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: Development and testing of 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: Development and validation of tools for determining resources and environmental conditions and their impact on the reliability, survivability and performance of ocean energy devices.



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Eligible Technologies



Country / Region	Wave	Tidal Stream	Tidal Range	Salinity Gradient	OTEC
Scotland, UK	Yes	Yes	No	No	No
Brittany, France	Yes	Yes	Yes	Yes	Yes
Pays de la Loire, France	Yes	Yes	Yes	No	No
Ireland	Yes	Yes	No	No	No
Spain (national)	Yes	Yes	Yes	Yes	Yes
Basque Country, Spain	Yes	No	No	No	No
Sweden	Yes	Yes	No	Yes	Yes



Centro para el Desarrollo Tecnológico Industrial

Eligibility Criteria - Draft



Organisations:

- Enterprises (small, medium and large); research institutes; universities – depending on national rules
- Organisations from countries / regions not providing funding to the call and which are not requesting funding may participate in a project if they are able to secure their own funding

Consortium:

- Project Coordinator must be based / operating in a country / region providing funding for the call
- **At least two eligible and independent organisations** based / operating in **at least two different countries** providing funding for the call
- Minimum requirement will not be fulfilled by organisations from two regions within the same country
- **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**



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Eligibility Criteria - Draft



Projects:

- Projects must be transnational by nature and must be fully relevant within the scope of the call
- Duration of projects must range **between 12 and 36 months**. All projects must be completed by July 2021
- The **total eligible budget of a single partner and / or a country / region cannot exceed 70 %** of the total eligible project budget.
- At least two thirds (2/3) of project costs should be incurred by partners from countries / regions participating in the call.
- 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.
- **Currently at TRL 4 to 6 moving to TRL 6 to 8 by the end of the project**



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Elegibilidad nacional

- ❑ En el caso de CDTI, la financiación está destinada a **empresas** (con ánimo de lucro) desarrollando actividades de I+D en España. Los centros públicos de investigación, Universidades u otras entidades sin ánimo de lucro pueden participar bajo subcontratación por una empresa española.
- ❑ Serán elegibles para recibir financiación CDTI, aquellos proyectos que comprendan actividades de **investigación industrial y/o desarrollo experimental** realizadas en España, representando una alta calidad científico-técnica y un relevante grado de innovación.
- ❑ Los proyectos CDTI deben tener una duración de entre 12 y 36 meses, respetando adicionalmente los requisitos que establezca la convocatoria internacional en este sentido.
- ❑ El presupuesto mínimo financiable es de **175.000 € por empresa y proyecto.**



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Industrial

Evaluation and Selection



- Step 1 – eligibility according to national / regional rules
- Step 2 – evaluation by independent experts, according to the following criteria:
 - Excellence
 - Impact
 - Quality and efficiency of implementation
- Allocation of funding to ranking list of projects
- Funding to each partner in a projects will be provided by their national / regional funding organisations



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How to apply



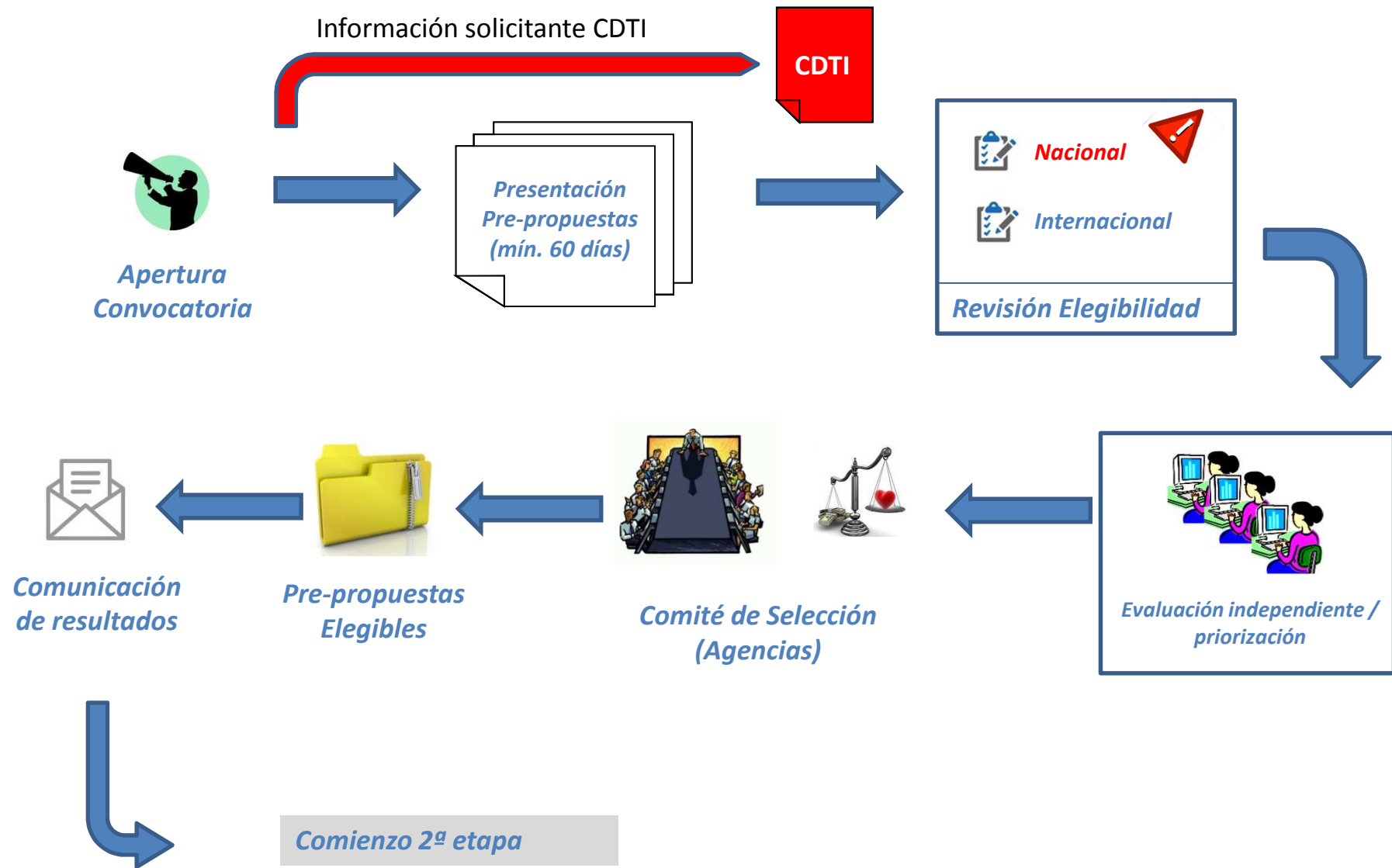
- Application is through the Electronic Submission and Evaluation System (ESES), on the project website
- Transnational projects must appoint one partner as the Coordinator
- The Coordinator must register as an applicant and set up the project on the ESES
- The Pre-proposal (Step 1) and Full Proposal (Step 2) submissions comprise two parts:
 - Project and partner details – on-line form
 - Proposal document – template provided – upload pdf
- Both parts must be completed and submitted by the deadline

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 731200



Esquema general de convocatoria internacional

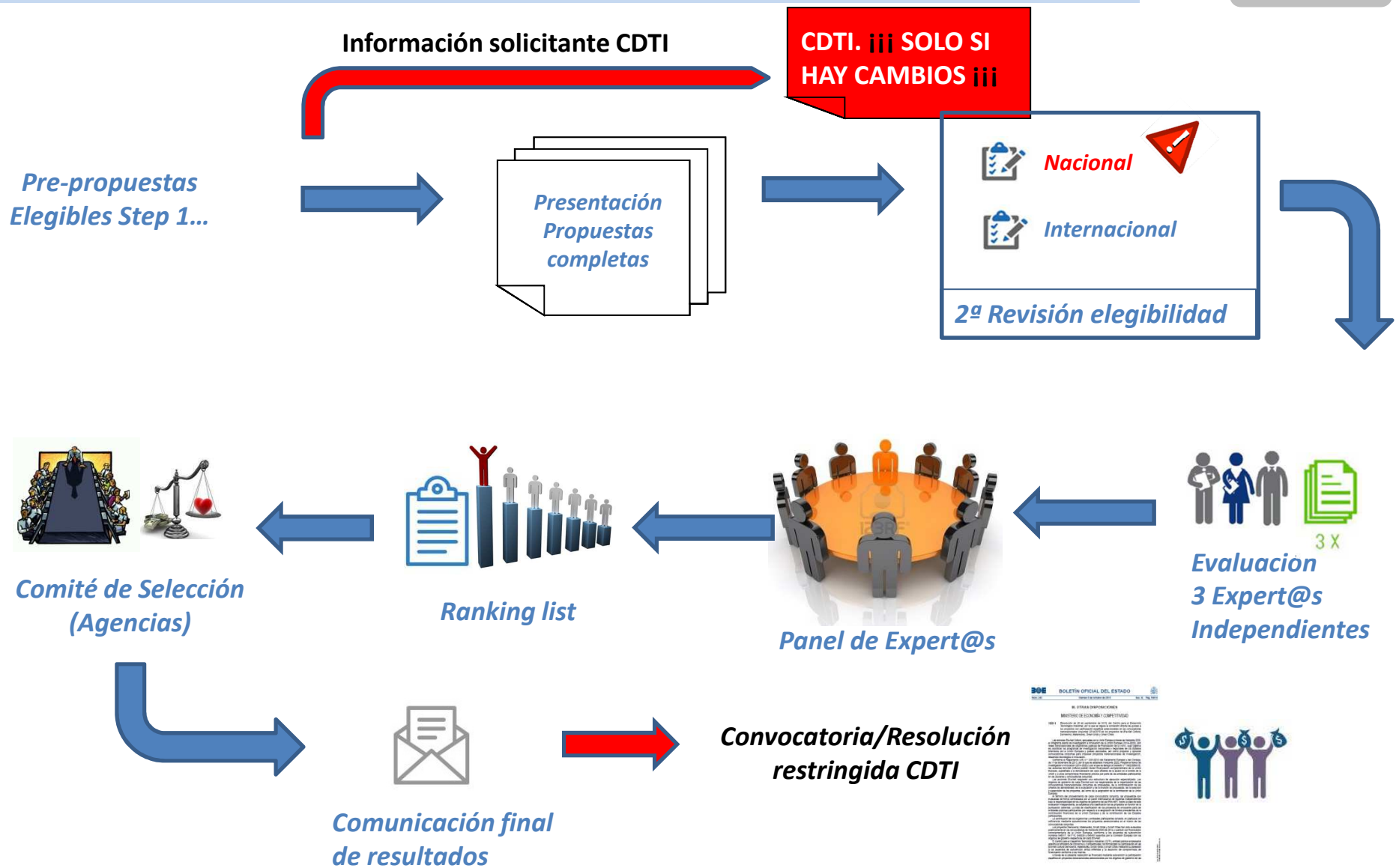
STEP 1



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Esquema general de convocatoria internacional

STEP 2



Brokerage Opportunities



Seanergy, Le Havre, 21-23 March 2017:

- <http://seanergy-convention.com/en/>
- Use Enterprise Europe Network business to business brokerage to find contacts and set up meetings: <http://seanergy-convention.com/en/btob/>
- Tag OCEANERA-NET COFUND to let potential partners know you are interested in the call
- Some funding partners will attend on 22 & 23 March and be available for meetings

Marine Energy Week, Bilbao, 30 March 2017:

- <http://www.bilbaomarinenergy.com/Programa-2017.aspx>
- Use Enterprise Europe Network business to business brokerage to find contacts and set up meetings: <https://www.b2match.eu/bilbaomarinenergy2017>
- Some funding partners will attend on 22 & 23 March and be available for meetings



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Para más información

INFORMACIÓN MAS DETALLADA

- Página oficial: www.oceaneranet.eu
- Info CDTI: **OCEANERA-NET**

CONTACTOS:

- **Asesoramiento a empresas FINANCIACIÓN**

CDTI- Dirección de promoción y cooperación

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dptoetfsd@cdti.es Tfno: 91.581.07.07

- **Asesoramiento a empresas PROGRAMA**

CDTI- Subdirección Adjunta de Evaluación Técnica

Carlos Sánchez Lafuente carlos.sanchez@cdti.es Tfno: 91.581.55.05

Secretaría Internacional de la Convocatoria

Karen Fraser: karen.fraser@scotent.co.uk

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Supporting

research & innovation

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