



ETIP and Ocean ERANET Round Table

SEAI Update

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SEAI Offshore Work Programme

Target 2030: 5 GW Offshore Wind

Target 2030+: 30GW Floating Offshore Wind

Research

Prototype Development Fund

- 2009-2019
- €20M
- 125 Projects

Test site support

- Cork; Galway; Mayo

RDD Fund

- 3 topics in 2021
 - FOW
 - Emerging tech
 - Offshore Data

Policy Support

- Climate Action Plan
- OREDP
- Technology review
- LCOE analysis
- Database of Offshore Projects
- 2030+ Roadmap

Collaboration

National

- NMPF; MFSD; NMRF

International

- OEE; IEA; SET PLAN; ERANET

EU Projects

- ERANET
- OPIN
- OCEANSET
- AFLOWT

Developing Research Capacity

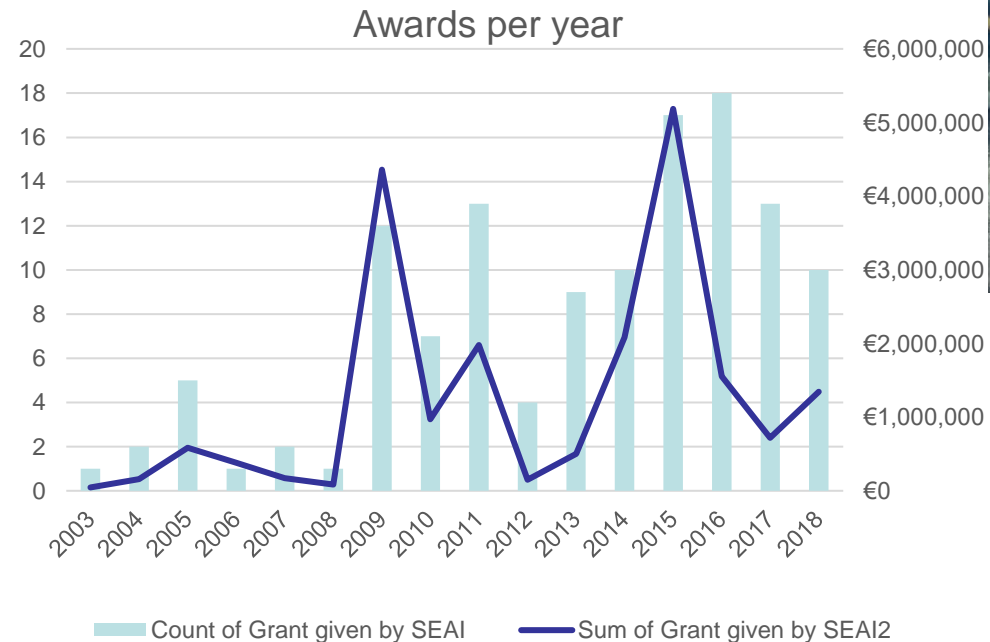


- Prototype Development Fund
 - €20M awarded
 - 125 Projects
- Research and Development Fund
- World class testing centres
- EU projects- Collaboration



Prototype Development Fund

- Review of supports completed and published
- **€20M** awarded in funding
 - 72% average drawdown
- 125 Projects
 - 50% Wave
 - 16% Tidal
 - 34% Other
 - 2% Wind
 - 75% returning projects
 - 80% TRL 1- 4



SEAI National Energy RD&D Funding Programme

New!

CALL NOW OPEN: www.seai.ie

- Maximum funding per project is €1M
- Deadline for applications is the 29th of March at 3pm

New!

Topic 24 Support for the Development of Emerging OE and ORE Technologies

New!

ETIP SRIA Priorities Highlighted

- Demonstration of ocean energy devices to increase experience in real sea conditions;
- Improvement and demonstration of PTO and control systems;
- Application of innovative materials from other sectors;
- Improvement of tidal blades and rotor;
- Advanced mooring and connection systems for floating ocean energy devices;
- Improvement and demonstration of foundations and connection systems for bottom-fixed ocean energy devices;
- Optimization of maritime logistics and operations;
- Instrumentation for condition monitoring and predictive maintenance.



An Roinn Iompair
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport



Department of
**Agriculture,
Food and the Marine**
An Roinn
**Talmhaíochta,
Bia agus Mara**



Energy for
generations



**Gas
Networks
Ireland**



Geological Survey
Suirbhéireacht Gheolaíochta
Ireland | Éireann



Marine Institute
Foras na Mara



Ocean-ERANET- Ireland's experience

- Engaged since 2016
- 11 projects supported by SEAI (3 Co-funded)
- 15 Irish partners
- €1.8M awarded
- Strong collaborative work
- Some challenges with administration
 - Project award and contracts timelines
 - Need to consider how to streamline reporting
- Lessons learned should be captured from Eranet partnerships



Overview of OceanSET

OceanSET aims to obtain a solid understanding of **evolution in the European ocean energy sector** in order to **optimally tailor future funding** for member states, regions and the European Commission.



3 years
(Mar 2019 – Feb 2022)



Budget of
€1 million

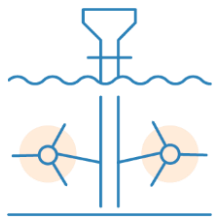


Funding from
Horizon2020



Annual report key findings – 2018

Results from responses of 11 member states. Ref year 2018.



A total of
90
ocean energy
projects supported



€26.3
million in public funding from
member states and regions

10 member
states have an
ocean energy
budget



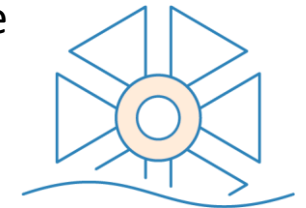
10 member states
had test site facilities

6

member states
have an ocean
energy policy



7 member states were
funding ocean energy
projects and all 7 were
were funding TRL 7+



Member States

- 13 out of 14 MS responded
- 3 countries indicated that they had no policy or budget for OE – did not complete survey
- 10 provided data
- A total of 127 Ocean Energy projects are reported as being supported in 2019
 - 74 wave projects, 24 tidal projects, and 29 projects categorised as “ocean”.
- 9 MS said they funded Ocean Energy projects of TRL 7+ in 2018 (25 projects in total)
- Public report due out later in March

Projects Active in 2019

Total Number of Projects	127
Total Cost	€414,071,628
Total Grant Aid	€273,230,132
Total Private Investment	€140,841,496
Average cost of project	€3,260,406
Median cost of project	€527,934
Average length of Project (Years)	3

*Based on survey of MS; includes EU projects & Eranets



ERANET Projects Active in 2019

	No of Projects	No of Companies	Total Cost	Total grant aid (€)
Ocean*	5	9	€1,844,850	€1,311,671
Tidal	3	6	€3,370,863	€1,916,181
Wave	8	16	€6,323,315	€3,894,264
Total	16	31	€11,539,028	€7,122,116

*Ocean- where projects are relevant to the sector- but not specific to technology type.

**Based on survey of MS



OPIN

Ocean Power Innovation Network (OPIN)
is a **European collaborative network**

The objective of OPIN is to encourage both **cross-sectoral** and **cross-regional** collaboration for **Offshore Renewable Energy SMEs**



Up to 14 events planned this year- **ALL FREE**



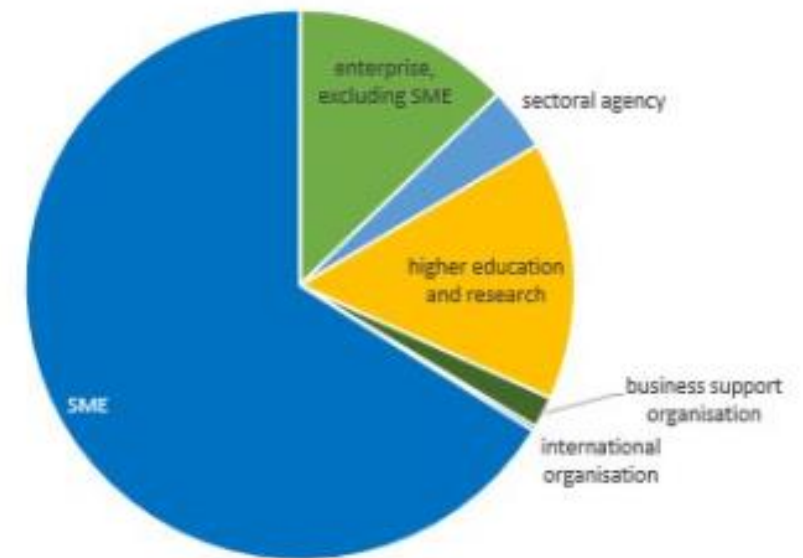
Support for Collaborative Projects
& Technology Assessments



Membership is Free
www.nweurope.eu/OPIN



397 members 27 countries



Interreg 
North-West Europe
OPIN

European Regional Development Fund



Thank You
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SEAI National Energy RD&D Funding Programme

New!

Coordinated approach to priority setting

- Top-down: cross-sectoral & cross-Government consultation
- Bottom up: 'open call' aspect to which applicants can pitch

New!

Multi-year funding – funding of projects up to 4-years in duration and up to €1M

New!

Co-funding partnerships

- Tangible impacts meeting cross-sectoral innovation, practice & policy needs
- Funding leverage for energy-sector

New!

Improved guidance

