

## Workshop on Ocean Energy for the Innovation Fund

On 10 July, Ocean Energy Europe organised a workshop with the European Commission DG CLIMA to discuss potential design elements of the upcoming calls under the Innovation Fund (IF).

The objective of the workshop was to

- Provide the Commission with an understanding of the sector and the state of the art in technology
- Provide ocean energy views on the appropriate design of IF calls
- Present projects that are in the pipeline and could be suitable for the first call

### Agenda

- 9:00 EIB presentation on learnings from NER300
- 9:15 EC presentation on the Innovation Fund + Q&A
- 9:50 OEE Presentation on the Ocean Energy Sector
- 10:00 Project presentations by selected OEE members
- 11:00 Coffee Break
- 11:30 Presentation of answers to EC questions on the design of the first call  
Feedback from the OE sector and discussion
- 13:00 Close of the workshop

### Summary of discussions

DG CLIMA presented the Innovation Fund (IF) and some of the design elements that are already enacted in the Directive and resulting agreements. A discussion with the audience followed as many points concerning design elements for the calls required clarification. Notably questions focused on the scope of the Fund, the technologies it was targeting and their technological development level, as well as the way finance would or could be disbursed.

OEE then gave an overview of the sector, including main technologies, markets in and out of Europe, installed potential of 100GW in Europe and 337GW in the world. Donagh Cagney, Policy Director presented as well the financial challenges faced by tidal and wave energy technologies which are at or reaching the valley of death of financing.

Project developers and device manufacturers then presented 5 tidal and 2 wave devices together with projects considered for future deployment that could benefit from an innovation fund grant.

- Tidal – Nova Innovation, UK
- Tidal – Tocardo, Netherlands
- Tidal – Minesto, UK and France
- Tidal – Sabella, France
- Tidal – Atlantis, UK and France
- Wave – Corpower, Finland
- Wave – Ocean Energy Ireland, Ireland

For those deployments, the Ireland, France, Portugal, Spain and the UK are the main countries considered though earlier projects focused on technology validation are happening in Sweden, Denmark, Norway, Italy, among other.

In the final phase of the workshop participants discussed the design elements for future calls. OEE led the sector's response to questions put forward by DG CLIMA. The main points put forward concerned:

- The need for flexibility in timings for milestones, specifically administrative ones
- The question of the reference plant to assess 'eligible costs'
- The need for a high level of innovation, while keeping focus on developed technologies
- The fact that a high cost/kWh for current projects doesn't reflect the potential cost reductions in the long term of technologies and favours established/large industries/companies.
- The resulting need to make projects compete within one technology (e.g. "Ocean Energies") rather than across the board within e.g. "renewables".

## Participants

### EU Institutions

- **Roman Doubrava** EUROPEAN COMMISSION – DG CLIMA
- **Maria Velkova** EUROPEAN COMMISSION – DG CLIMA
- **A Zmijewska** EUROPEAN COMMISSION – DG CLIMA

### Ocean Energy Europe

- **Rémi Gruet**, CEO
- **Donagh Cagney**, Policy Director,
- **Remi Collombet-Gourdon**, Policy Officer
- **Lotta Pirttimaa**, Policy Officer and ETIP Ocean Manager

## Ocean Energy industry

<b>Francisco</b>	Garcia Lorenzo	Presidente APPA Marina	APPA Renovables
<b>Dorleta</b>	Marina	Project Manager	BiMEP - Biscay Marine Energy Platform
<b>Yago</b>	Torre-Enciso	Technical Director	BiMEP - Biscay Marine Energy Platform
<b>Sam</b>	Leighton	Managing Director	Bomboara Wave Power Europe Ltd
<b>Patrik</b>	Moller	CEO	CORPOWER OCEAN
<b>Anders</b>	Jansson	Commercial Director	CORPOWER OCEAN
<b>Henk</b>	Polinder	Associate professor	Delft University of Technology
<b>Koos</b>	Uneken	Sr Project Manager	DMEC
<b>Florence</b>	Lafon	Expert	EDF
<b>Fabio</b>	Fugazzotto	Head of Marine Innovation	Enel Green Power
<b>Ana</b>	Novak Zdravkovic	Wind, Solar and Marine Expert and Project Manager	Engie
<b>Colm</b>	De Burca	Manager Emerging Technology	ESB
<b>Olatz</b>	Ajuria	Project Manager	EVE - Basque Energy Agency
<b>Anders</b>	Køhler	CEO	Floating Power Plant A/S
<b>Erlend</b>	Moksness	Project leader	GCE Node
<b>Fiona</b>	Buckley	Senior Expert and Project Manager	Laborelec
<b>Chris</b>	McCallum	PDRA Researcher	LYIT & Bryden Centre
<b>Osian</b>	Roberts	Business Development Manager	Minesto Ltd
<b>Peter</b>	Coyle	Chairman	Marine Renewable Industry Association
<b>Victor</b>	Bouissou	Head of Public & EU Affairs	NAVAL ENERGIES
<b>John</b>	Meagher	Business Development Director	Nova Innovation Ltd
<b>Tony</b>	Lewis	Chief Technical Officer	Ocean Energy
<b>Andrew</b>	Scott	CEO	Orbital Marine Power
<b>Joaquín</b>	Hernández Brito	Science and Technology Manager	Plocan
<b>Zoe</b>	Buyle-Bodin	Policy officer	REGION NORMANDIE
<b>Stéphane</b>	Lobbedey	Head of renewable energy service	REGION NORMANDIE
<b>Michael</b>	Bullock	Director	Renewable Risk Advisers
<b>Marlène</b>	Moutel	Business development engineer	SABELLA
<b>Laurent</b>	Albert	CEO	Seabased
<b>Charles</b>	Winterholer	CFO	SEABASED
<b>Julie</b>	Farrelly	Programme Executive Ocean E.	SEAI
<b>Laura</b>	Fidao	Commercial Manager	SIMEC Atlantis Energy
<b>Tristan</b>	Jochner	Chief Financial Officer	SINN Power GmbH
<b>Martha</b>	Rivero	Supply Chain Manager	SINN Power GmbH
<b>William</b>	Dick	Founder	Swirl Generators Ltd
<b>Pablo</b>	Ruiz-Minguela	Head of Wave Energy	TECNALIA
<b>Noelia</b>	Pericon Bessone	General Administration Gran Canaria	Wavepiston
<b>Ana</b>	Brito e Melo		WaveEC
<b>Timo</b>	Lotti	COO	Wello
<b>Heikki</b>	Paakkinen	CEO	Wello