

# 2017 - 2022 Cofunded Projects

## INNOTEX

**Coordinator:** NAVAL ENERGIES, France

**Objective:** Validate the performance of an innovative heat exchanger technology for OTEC application in order to bring it from TRL 4 to TRL 6.

**Start date:** 15/10/2018

**Funding amount:** 368 639€

## RESOURCECODE

**Coordinator:** European Marine Energy Centre, UK

**Objective:** Create an integrated marine data toolbox enabling developers of ocean energy devices and arrays, and their suppliers, to make optimised technical and commercial decisions, increasing the competitiveness of wave and tidal energy across Europe.

**Start date:** 01/10/2018

**Funding amount:** 1 093 584€

## TOPFLOTE

**Coordinator:** Scotrenewables Tidal Power, UK

**Objective:** Design, fabricate and performance test a blade pitch regulation module for floating tidal generation units.

**Start date:** 01/10/2018

**Funding amount:** 1 244 229€

## SEABLADE

**Coordinator:** EireComposites, Ireland

**Objective:** Accelerate the development of a commercial-ready, cost-effective tidal blade product by gathering sufficient test data to validate a 20-year design life for the blades, leading to reduced maintenance and risks, and increased productivity and revenue.

**Start date:** 03/10/2018

**Funding amount:** 391 132€

## SPHORCIS

**Coordinator:** Smalle Technologies, Spain

**Objective:** SPhorcis is a device that will harvest energy from two axis, thus extending the scope of the base technology to all Data and AToN buoy sizes, new types of floating platforms (wave riders, fishing buoys, aquaculture cages) or even sailboats. The base device will move from TRL4 to TRL8.

**Start date:** 03/09/2018

**Funding amount:** 280 895€

## TIM

**Coordinator:** GEPS Techno, France

**Objective:** Design, fabricate and performance test a blade pitch regulation module for floating tidal generation units.

**Start date:** 01/04/2019

**Funding amount:** 295 556€

## CF2T

**Coordinator:** SABELLA, France

**Objective:** Reduce the overall LCOE by investigating ways of reducing CAPEX costs and improving reliability of the foundation structure.

**Start date:** 01/09/2018

**Funding amount:** 1 491 608€

## SEASNAKE

**Coordinator:** Research Institutes of Sweden (RISE), Sweden

**Objective:** SEASNAKE aims to reduce cost and de-risk offshore operations through convergence in cable technology, through demonstration of dynamic cable solutions (lab and marine environment), de-risk and optimise the offshore operations (install, maintain, decommission) and apply surface protection for marine biofouling

**Start date:** 01/11/2019

**Funding amount:** 771 996€

## WEC4PORTS

**Coordinator:** International Marine and Dredging Consultants (IMDC), Belgium

**Objective:** Aims at developing of a novel hybrid technology for port breakwaters to harvest ocean wave energy, to be tested on real environment (Mutriku) to improve implementation and performance.

**Start date:** 01/11/2019

**Funding amount:** 476 242,06€

## OPTIMOR

**Coordinator:** ORPC Ireland Ltd, Ireland

**Objective:** The OPTIMOR project aims to deliver a multi-MW crossflow tidal power system for deployment in European markets. develop the design of a 2 MW power system for ORPC. This design will be targeted to utility-scale project opportunities and will reduce the amount of structure in the turbine design which does not actively capture energy.

**Start date:** 21/04/2020

**Funding amount:** 240 656€

## UMACK

**Coordinator:** CorPowerOcean AB (CPO), Sweden

**Objective:** Develop and demonstrate a technical anchor for multiple sea-bed types to replace the generally used GBAs. Develop a coupled marine operations strategy based on quick and simplified connect solution.

**Start date:** 01/09/2018

**Funding amount:** 2 010 405€



Maintain and grow Europe's world leading position in ocean energy, to help bring innovative low carbon energy solutions closer to commercial deployment, drive down the levelised cost of energy (LCoE), create growth and jobs and reduce the environmental impact of the energy system.

- 2017 - 2022
- 2 joint calls
- 13 Projects funded

An initiative of eight national and regional government agencies from six European countries, cofunded by the European Union under the Horizon 2020 Programme for Research and Innovation to coordinate support for research and development in ocean energy and encourage collaborative projects:

Basque Country  
Brittany  
Ireland  
Pays de la Loire  
Portugal  
Scotland  
Spain  
Sweden



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



## YOU ARE INVITED !

### PROJECT FINAL CONFERENCE

16th June 2022  
at Seenergy

10:00 - Conference - Room 101

12:00 - Networking Reception- BOP Booth

14:30 - Panels with project coordinators

After 5 years of activity, 13 projects funded, its time to discover the results and discuss the perspectives regarding research and development projects on Renewable Marine Energies, within European funding programmes.

## WEP+

**Coordinator:** Neureus Technologies, Spain,

**Objective:** Deliver smoothed and code compliant power to an established electrical grid through the operation of the point absorber W1, equipped with a linear switched reluctance generator (developed by Wedge Global), in conjunction with a newly designed energy storage system.

**Start date:** 01/03/2018

**Funding amount:** 571 199€

## EVOLVE

**Coordinator:** Aquatera Limited, Scotland

**Objective:** Evolve has explored the quantifiable benefits of integrating Ocean Energy (OE) within energy systems, evaluating the economic and technical impact of installing and dispatching OE technologies through the application of power system modelling.

**Start date:** 22/07/2020

**Funding amount:** 834 863€



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