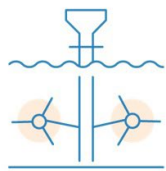


OceanSET is a 3-year H2020 project with a total budget of 1 million euros which is focussed on providing support to the ocean energy implementation plan of the European Strategic Energy Technology Plan (SET Plan).

Annual report key findings - 2018

Results from responses of 11 member states on reference year 2018



A total of
90
ocean energy
projects supported



€26.3
million in public funding from
member states and regions

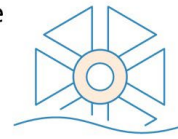
10 member
states have an
ocean energy
budget



10 member states
had test site facilities

7

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



6

member states
have an ocean
energy policy



Overview of data from 12 projects over TRL 7 active in 2018



5 tidal projects

- > 4 were horizontal axis turbines
- > **74% average** annual availability for tidal prototypes
- > **7.9 €/W** average capital expenditure
- > **0.1 €/W/year** average operational expenditure



7 wave projects

- > No technology front runner. Technologies included point absorbers and oscillating water columns
- > **88% average** annual availability for wave prototypes
- > **12.7 €/W** average capital expenditure
- > **0.7 €/W/year** average operational expenditure

200

jobs created by
the 12 projects



Pre-commercial procurement programme

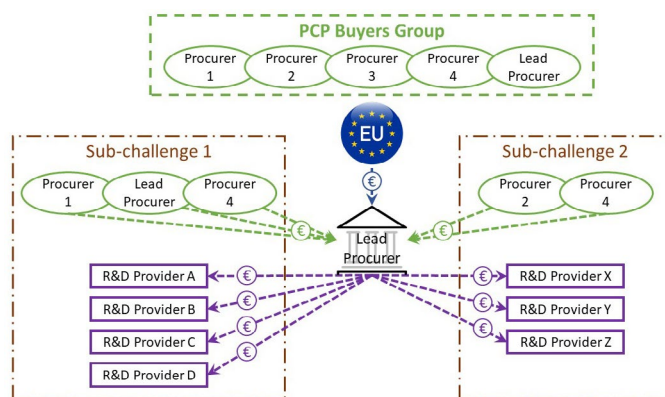
One of the objectives of the OceanSET project is to define a strategic approach to a European pre-commercial procurement (PCP) programme for wave energy technology and develop a package of funding calls to drive technology development. Recent effort has defined an operating mechanism for the programme and set out an approach for combining Member State/Regional funding in a cross-border multi-partner joint PCP programme.

The overarching common challenge for a wave energy technology PCP is the development of technically and economically viable wave energy converters. This is a complex challenge which benefits from the adoption of a systems engineering approach, breaking the challenge into several sub-challenges focused on subsystem development.

The proposed mechanism for collaboration complies with the EU H2020 model for PCP and makes effective and efficient use of available Member State/Regional funding for wave energy to encourage the widest participation of Member States and Regions.

An ad-hoc form of joint procurement is proposed in which the procuring partners establish a buyers group and nominate a

lead procurer to represent them in the PCP programme. Procuring partners opt to participate in sub-challenges that suit their available budget and interests. The governance of the buyers group and the PCP programme is set out in a joint procurement agreement between the members of the buyers group. A centralised approach to payment is proposed, in which the lead procurer handles all payments to the R&D service providers in the sub-challenges, primarily for its administrative simplicity.



Inclusive approach for a wave energy PCP. The buyers group consists of several procurers, subsets of which target the sub-challenges to the overarching common challenge. Procurers must take part in at least one of the sub-challenges.

Available resources at oceanset.eu



1st OceanSET annual report



Key findings in infographics



1st dissemination webinar



Metrics for ocean energy sector

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