

The Canaries as a leading Test Facility for Research, Technological Development and Innovation

ETIPOCEAN WEBINAR

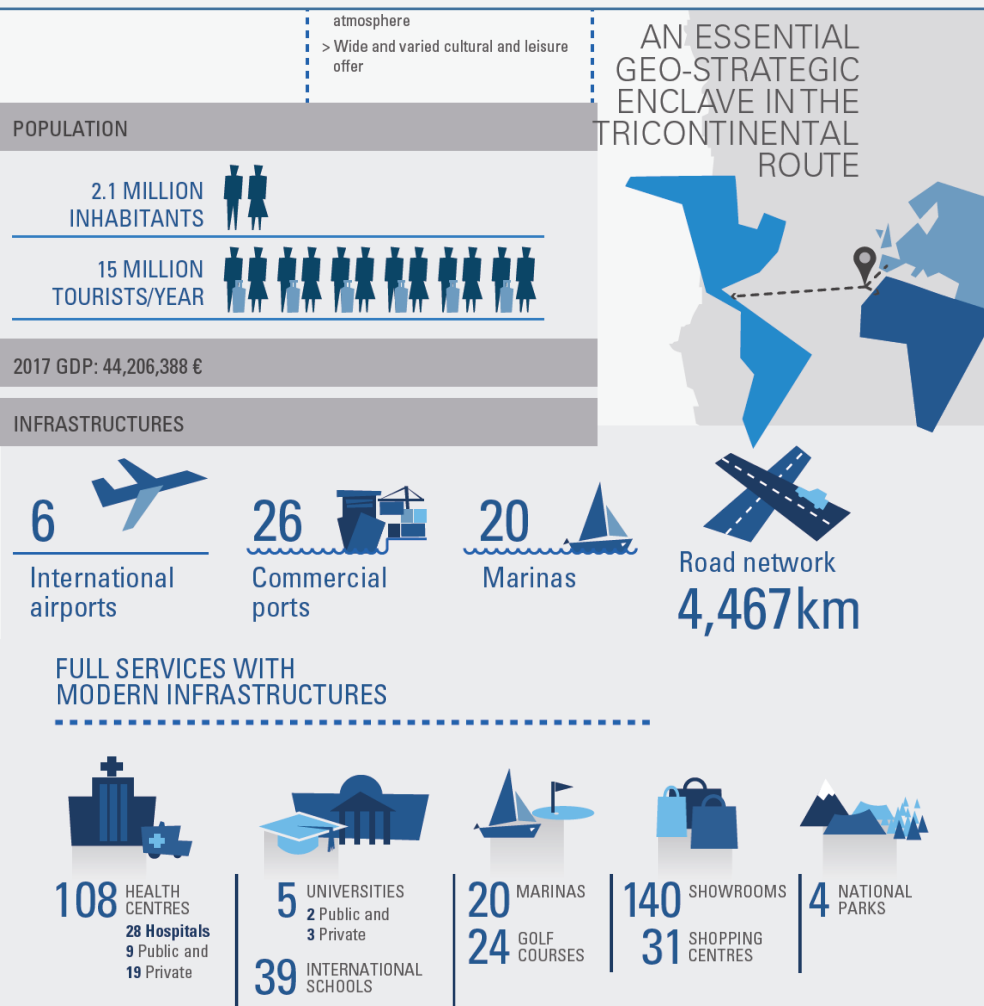
Benefits & Tips for local community engagement
21st October 2021



Ayoze Castro
Plocan Innovation Manager
ayoze.castro@plocan.eu

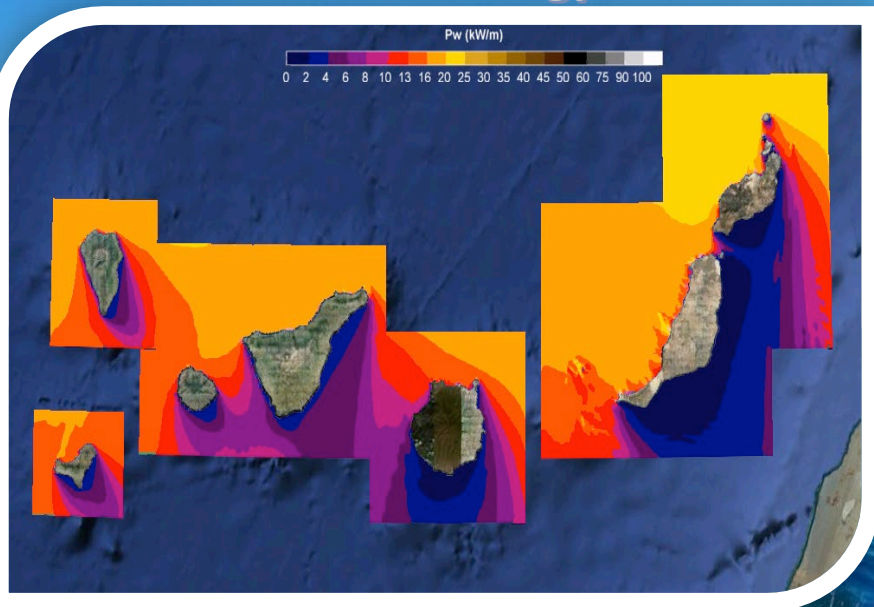


Geographical Context

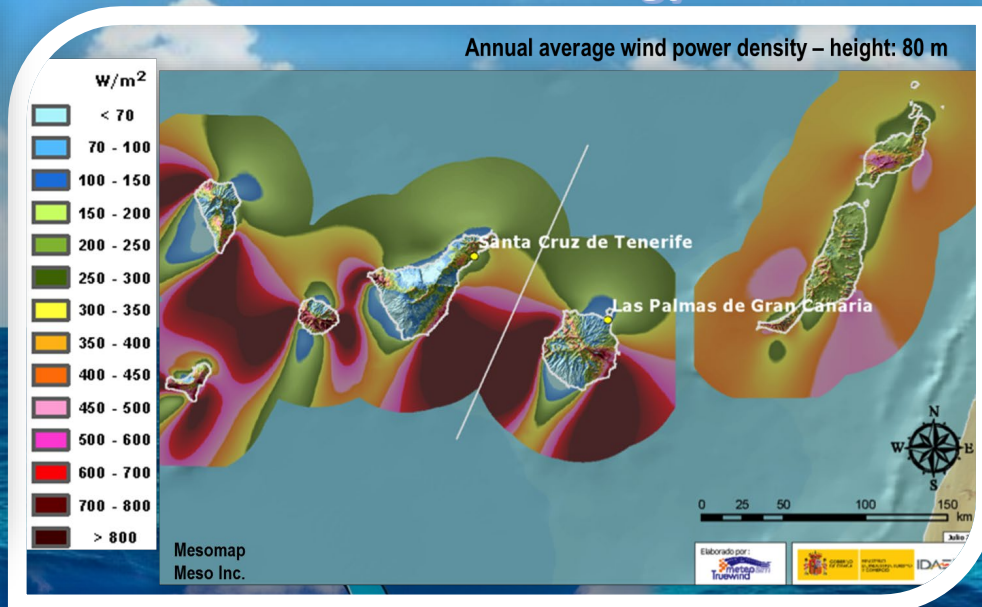


Geographical Context

Wave Energy



Wind Energy



Marine Renewable Energies – Targets and Potential

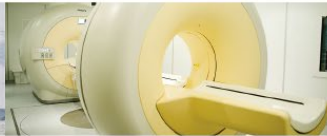


A binding renewable energy target for the EU for 2030 of at least 32% of final energy consumption

Wave Energy: Reduce LCoE to 150 €/MWh by 2030

Offshore Wind: Reduce LCoE for (shallow; deep (>50m/50km)) between 70 – 90 €/MWh by 2030





50 M€
2007-2021

Regional Government (50%)



- ICTS WITH A SINGLE LOCATION
- DISTRIBUTED ICTS
- NETWORK OF ICTS

ASTRONOMY AND ASTROPHYSICS
OCEAN, LIFE, AND EARTH SCIENCES
HEALTH SCIENCES AND BIOTECHNOLOGY
INFORMATION AND COMMUNICATIONS TECHNOLOGY
ENERGY
ENGINEERING
MATERIALS
SOCIAL SCIENCES AND HUMANITIES



- **Unique research facilities**
- **Specialized Scientific fields**
- **Demand high level of investment**
- **Dedicated to cutting-edge science and technologies**
- **Foster socio-economical growth and development**





Facilities & Services



MONITORED & DEEP STUDIED
MARINE TEST SITE



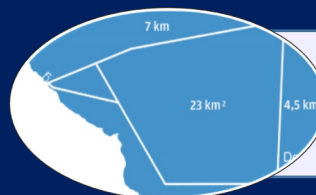
R & D MARITIME PLATFORM



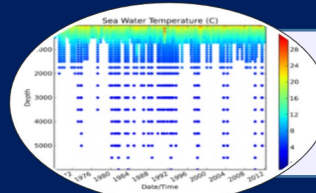
A COASTAL AND OPEN OCEAN
OBSERVATORY



TRANSVERSAL CAPACITIES &
TECHNOLOGIES: ICTs



HOSTING



DATA SUPPLY



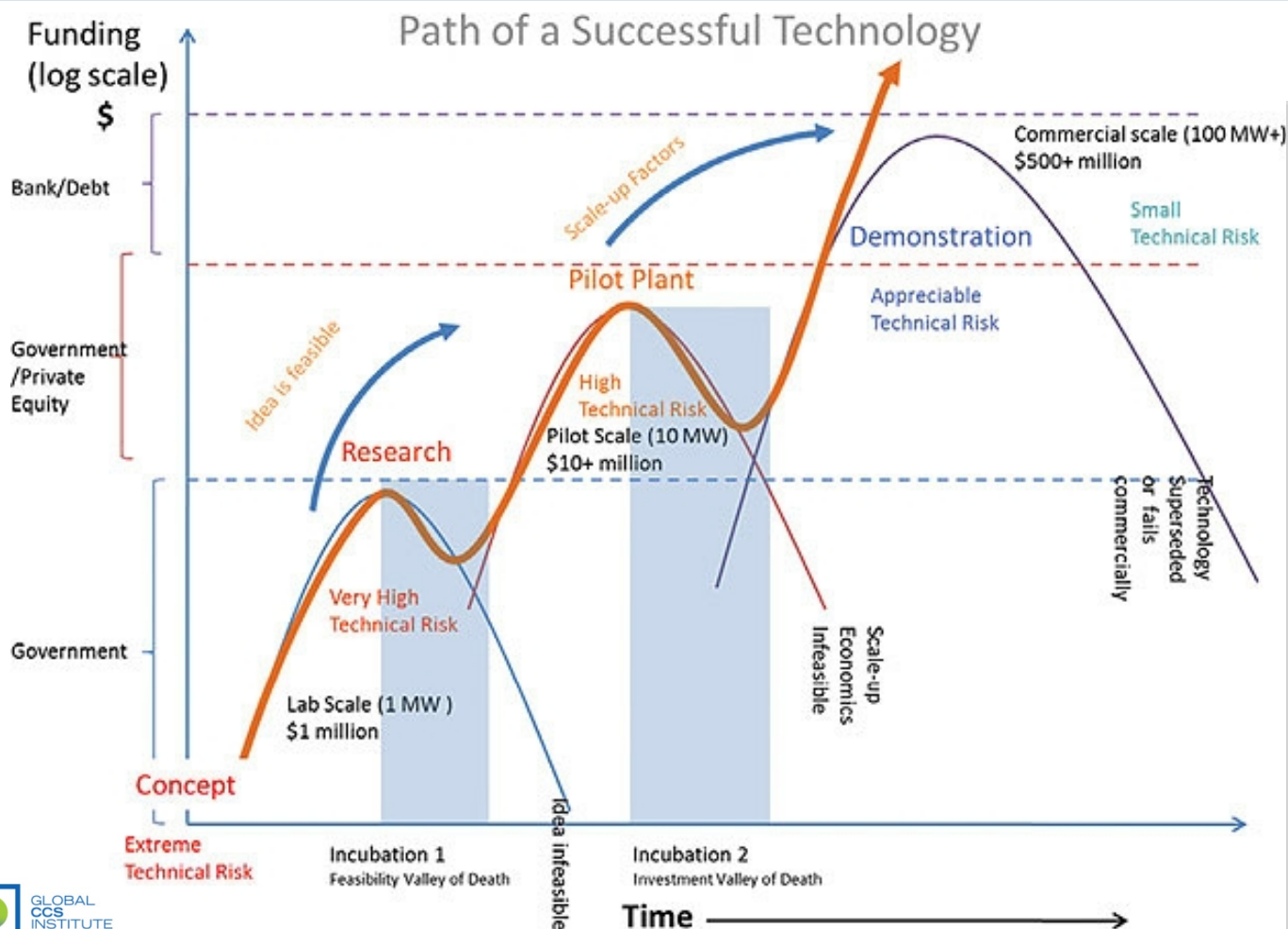
OPERATIONS & LOGISTICS



SPECIALIZED TRAINING



Facilities & Services



EU, National, Regional & Local Engagement Support

FUNDS

EC R&D Programmes
National R&D Programmes
Regional & Local R&D Programmes

**Key Strategic Partners at National,
Regional and Local scope**

**Canary Islands – Outermost Region
Tax/Financial Advantages**

**Local Authorities – Speed up the creation
of a local company/delegation**

PERMITS & AUTHORISATIONS

**Intermediate with relevant
Administrations – Access to the
Ocean for real tests/val./dem.**

**Energy production+Grid
Connection**
**Aquaculture, desalination,
ocean monitoring....etc.**

OPERATIONS

**Local engagement with Key players in the sector: Port
services and authorities, shipyards, towing, subsea
specialized companies, profesional divers,
consultancies, etc...**

**Introductory
meetings,
intermediation, co-
responsibility...**

COMMUNICATION & DISSEMINATION

**Relevant QH
Events, Forums**

**Increase Visibility and
Social Acceptance**

Some Figures....

Small organization:

30 Fixed employees +/- 10-15 temporal

Avg. Requested Projects yearly: **32**

Avg. Success rate: **26%**

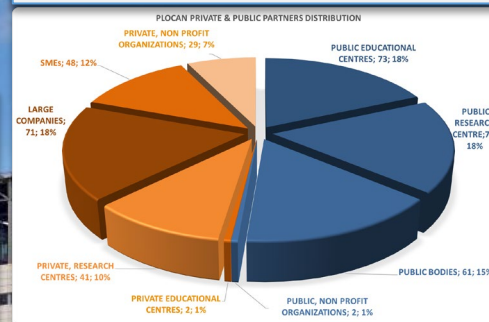
5-8 new projects yearly

Average number of projects under execution: **23**

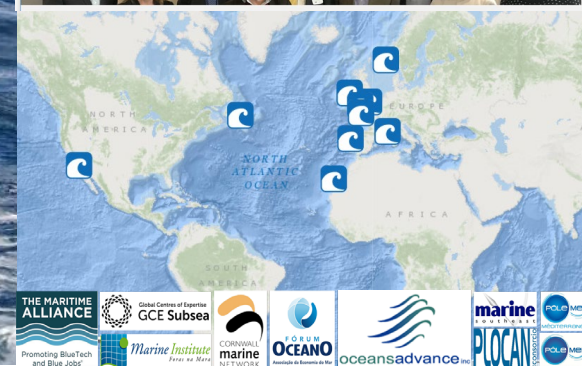
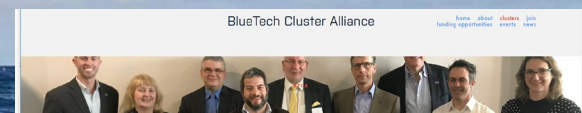
Total executed projects since 2010: **79**

2018: 59; 25%; 15; 36

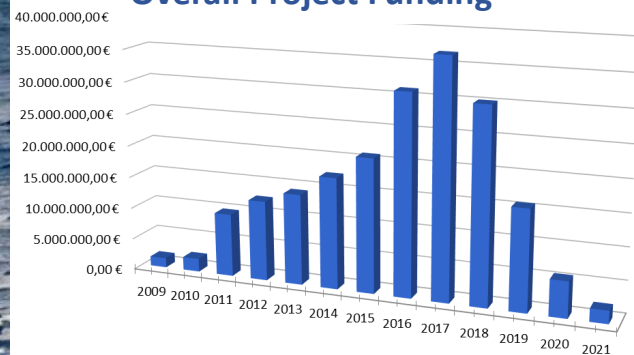
Nearly 300 partners....



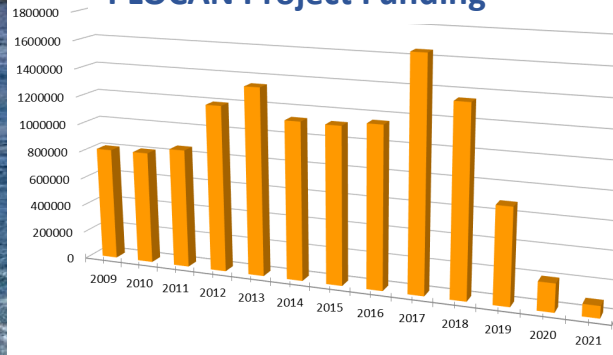
Several networks...



Overall Project Funding



PLOCAN Project Funding





MONITORED & DEEP STUDIED
MARINE TEST SITE

Wave Energy Converters

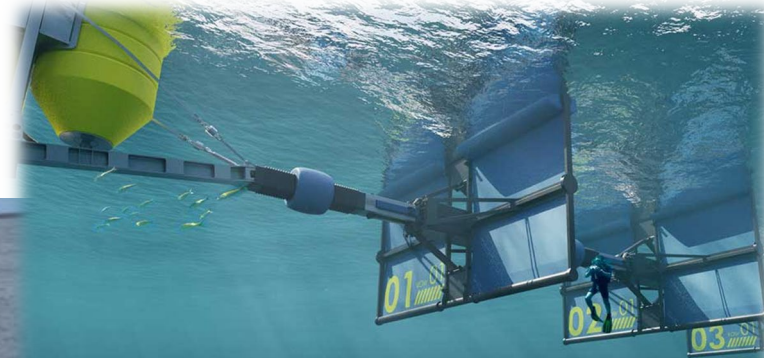


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MARINE TEST SITE

Wave Energy Converters

TVETER S.L.







PLOCAN: MUP/MUS



Project Website:

<http://www.troposplatform.eu>



Project Website:

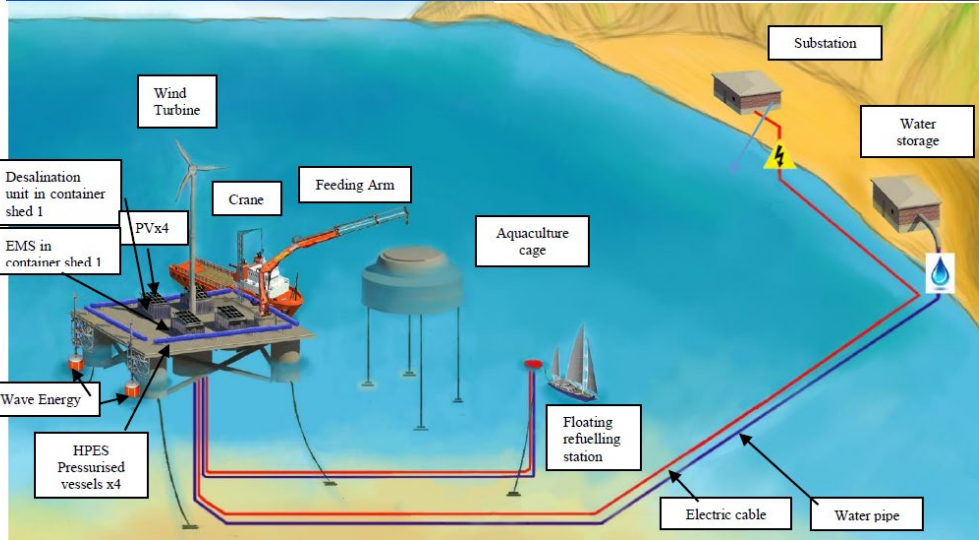
<http://www.leanwind.eu/>



Project Website:

www.offshoreplatforms.eu/entropi

Multiple-use-of Space for Island Clean Autonomy



Strategic Projects on RREEs



HORIZON 2020



LEADING ACCESS TO MARINE RESEARCH FACILITIES

Offshore wind, wave and tidal technology

Continued integration and enhancement of all leading European research infrastructures for testing offshore renewable energy systems through a range of TRLs (1-7). 31-Wave; 21-Tidal; 26-OFW

PLANNING AN
INTEGRATED
EUROPEAN RESEARCH
INFRASTRUCTURE



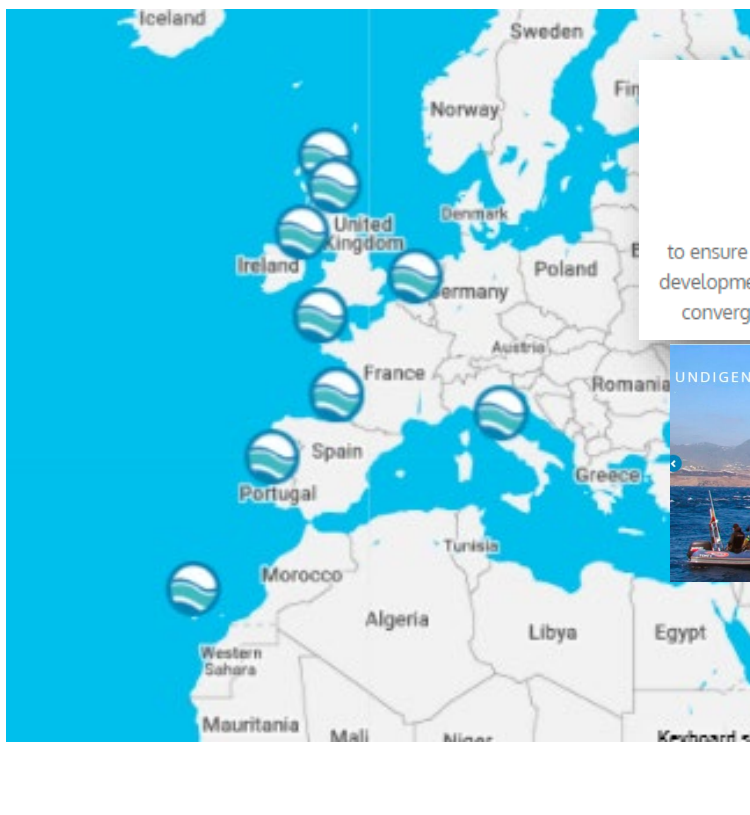
New RIs for Roadmap
2021 announced

ROADMAP 2021

By consolidating expertise, investment and access to infrastructures, the MARINERG-i research infrastructure will foster innovation across a variety of Offshore Renewable Energy technologies and stages of development.

OceanSET

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



6

technical actions
to ensure support for all TRL to ensure development of tidal arrays and to drive convergence in wave technologies.

3

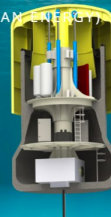
financial actions
to ensure investment and insurance support funds are available to support the development of the sectors.

2

environmental actions
to share knowledge on safety and environmental matters.



ARCHIMEDES WAVESWING (© AWS OCEAN ENERGY)





Infraestructuras
Científicas y Técnicas
Singulares

PLOCAN
consorcio

PLATAFORMA OCEÁNICA DE CANARIAS



MINISTERIO
DE ECONOMÍA, INDUSTRIA
Y COMPETITIVIDAD



Gobierno
de Canarias



THANK YOU
for your
ATTENTION!

**Webinar: Benefits & tips for
local community engagement**

PLOCAN