

Outline

1. Vision – Mission – Definition
2. Facilities & Services
3. Strategies & Projects
4. Summary & Recommendations



This satellite map shows the Canary Islands archipelago in the Atlantic Ocean. The islands of Santa Cruz, Maspalomas, Las Palmas de Gran Canaria, and Arrecife are highlighted with a yellow oval. The map also shows the surrounding landmasses of Portugal, Spain, Gibraltar, Morocco, and Western Sahara. Various cities and locations are labeled, including Essaouira, Agadir, Tiznit, Guelmin, Tan Tan, Tindouf, and Laayoune. The word 'Google' is visible in the bottom left corner.

- > Wide and varied cultural and leisure offer

AN ESSENTIAL
GEO-STRATEGIC
ENCLAVE IN THE
TRICONTINENTAL
ROUTE

POPULATION

2.1 MILLION
INHABITANTS

15 MILLION
TOURISTS/YEAR

2017 GDP: 44,206,388 €

INFRASTRUCTURES

6

International airports

26

Commercial ports

20

Marinas

Road network
4,467km

FULL SERVICES WITH
MODERN INFRASTRUCTURES



108 HEALTH CENTRES
28 Hospitals
9 Public and
19 Private



5 UNIVERSITIES
2 Public and
3 Private

39 INTERNATIONAL
SCHOOLS



20 MARINAS
24 GOLF COURSES



140 SHOWROOMS
31 SHOPPING CENTRES



4 NATIONAL PARKS

Vision – Mission - Definition



Facilities & Services



MONITORED & DEEP STUDIED
MARINE TEST SITE



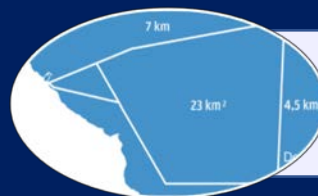
R & D MARITIME PLATFORM



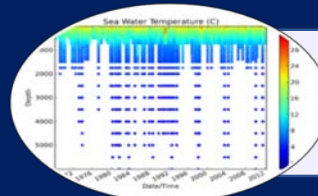
A COASTAL AND OPEN OCEAN
OBSERVATORY



TRANSVERSAL CAPACITIES &
TECHNOLOGIES: ICTs



HOSTING



DATA SUPPLY



OPERATIONS & LOGISTICS



SPECIALIZED TRAINING

Facilities & Services

PLOCAN

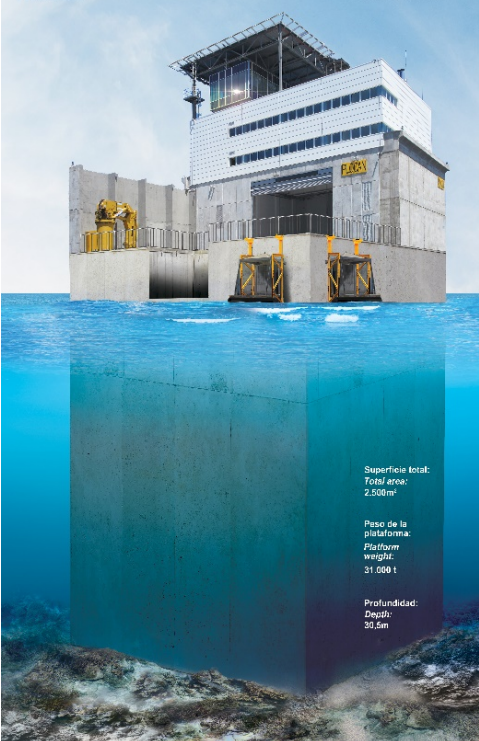
Plataforma Oceánica de Canarias

Plataforma

Cubierta técnica (400 m²).
Eslora: 37,9 m
Grúa marina.
Sala de pórtico.
Aula de Formación.
Almacenes.
Estancias de descanso:
6 dobles.
3 individuales.

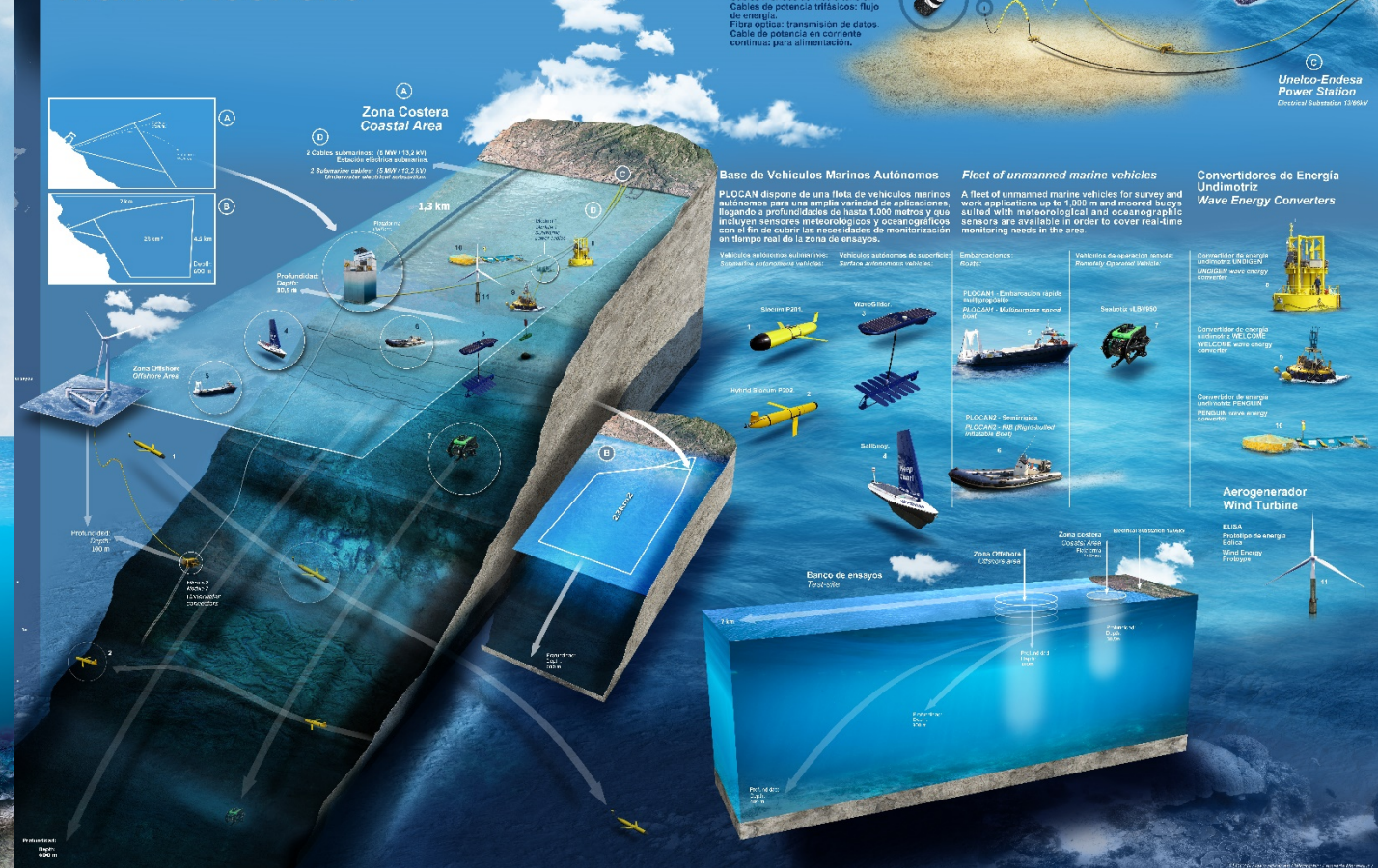
Platform

Technical zone (400 m²).
Length: 37,9m
Marine crane.
Expo Room.
Training Room.
Warehouses.
Break Rooms:
6 double rooms.
3 individual rooms.



Superficie total:
Total area:
2.500m²
Peso de la plataforma:
Platform weight:
31.000 t
Profundidad:
Depth:
30,5m

Banco de ensayos marino Marine test-site



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Path of a Successful Technology

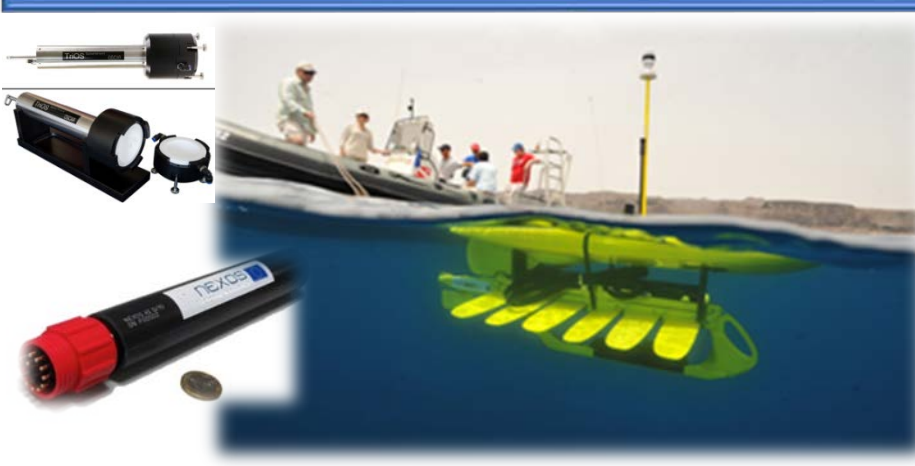
The graph illustrates the funding requirements and technical risk associated with developing a new technology. The y-axis shows funding on a log scale, with levels for Government, Government/Private Equity, and Bank/Debt. The x-axis shows time, with stages from Concept to Commercialized. Two curves represent technical risk: one for a successful path (orange) and one for a failed path (blue). The successful path goes through Research, Pilot Plant, and Demonstration, while the failed path goes through Incubation 1 and Incubation 2. A table on the right lists Technology Readiness Levels (TRL) from 1 to 9, corresponding to the stages of the successful path.

TRL	Technology Stage
9	Commercialized
8	Pre-production
7	Field Test
6	Prototype
5	Bench / Lab Testing
4	Detailed Design
3	Preliminary Design
2	Conceptual Design
1	Basic Concept

PLOCAN consorcio PLATAFORMA OCEÁNICA DE CANARIAS



Multipurpose Infrastructure – Main fields



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Some Figures....

Small organization:

30 Fixed employees +/- 10-15 temporal

Avg. Requested Projects yearly: **32**

Avg. Success rate: **26%**

5-8 new projects yearly

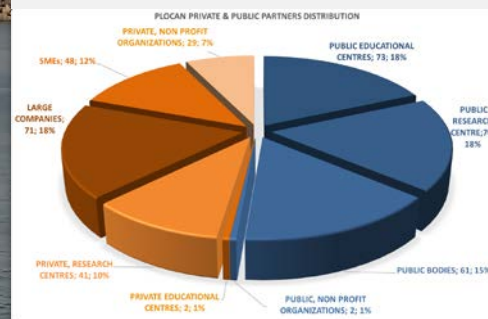
Average number of projects under execution: **23**

Total executed projects since 2010: **+60**

2018: 59; 25%; 15; 37

Nearly 300 partners....

Several networks...



EMODnet

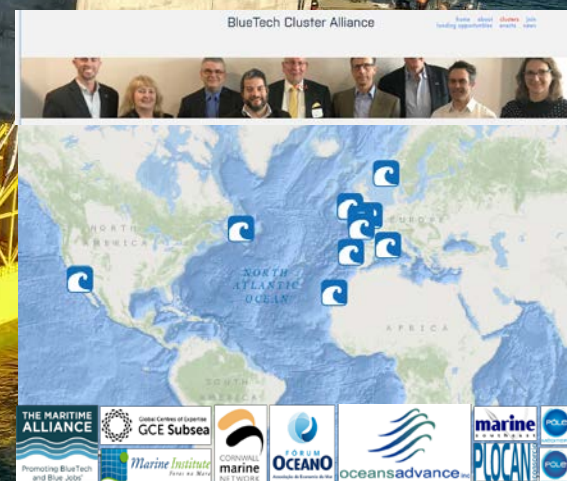
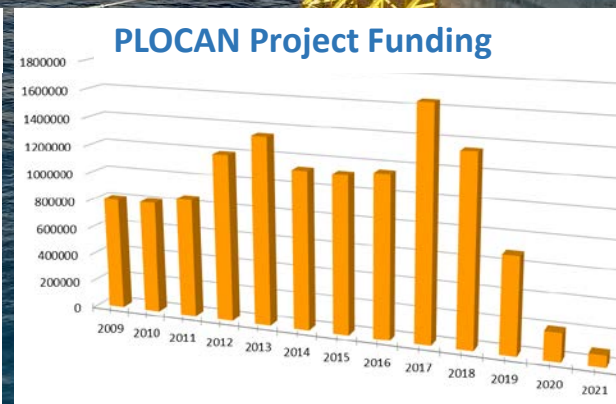
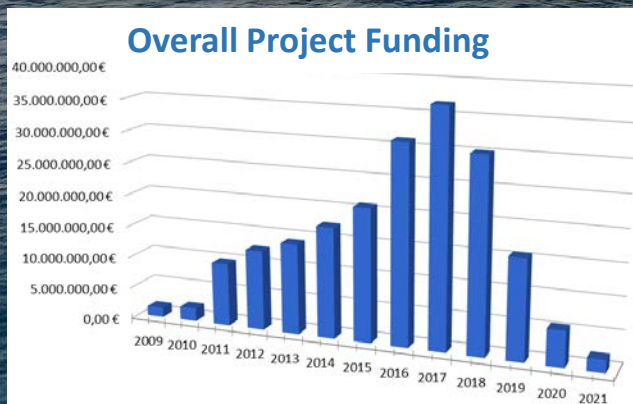
European Marine Observation and Data Network



European Ocean Energy



CLUSTER MARÍTIMO DE CANARIAS



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Strategies & Projects



- [Blue growth](#)
- [Marine data and knowledge](#)
- [Maritime spatial planning](#)
- [Integrated maritime surveillance](#)
- [Sea basin strategies](#)



Integrated maritime policy



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Strategies & Projects



THE ATLANTIC STRATEGY

HORIZON 2020



AORA
ATLANTIC OCEAN RESEARCH ALLIANCE

THE ATLANTIC:
OUR SHARED RESOURCE
MAKING THE VISION REALITY

AtlantOS

Optimising and Enhancing the Integrated
Atlantic Ocean Observing Systems

EU Horizon 2020 project

A large scale EU Horizon 2020 research and
innovation project contributing to the Trans-
Atlantic Research Alliance and GEO.

62 Partners, 18 Countries

International integration of Atlantic ocean observing activities
– further supporters / members are welcome.



**Belém Statement on
Atlantic Research and Innovation Cooperation**
Conference in Lisbon on 13-14 July 2017

All AtlaNtic Cooperation for Ocean Research and innovation

AANChOR

Responding to the call:

Type of action: CSA - Coordination and support action

Topic: BG-08-2018-2019 "All Atlantic Ocean Research Alliance Flagship"

Sub-topic [A] 2018: "Coordination of marine and maritime research and innovation activities in the Atlantic Ocean".

UNAVCO 2002

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Strategies & Projects



THE ATLANTIC STRATEGY

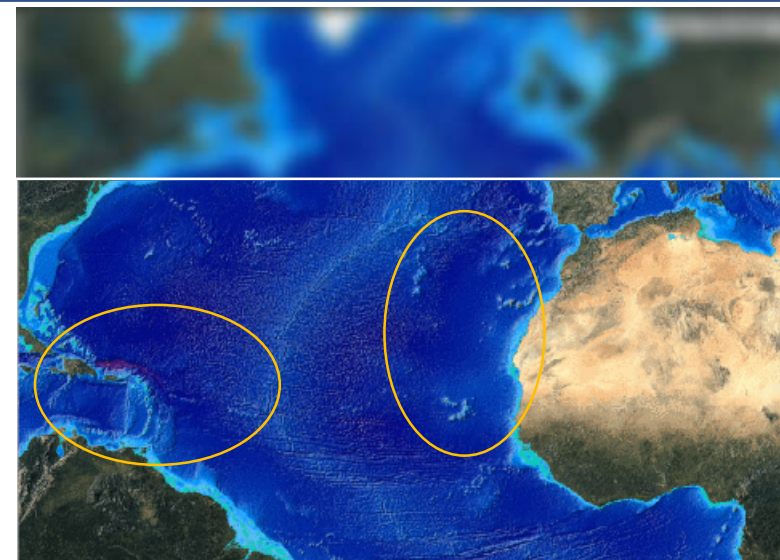


SmartBlue



FORWARD

Fostering research excellence in EU Outermost Regions



Central Atlantic
Outermost Regions (ORs)
The Macaronesian Area

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Strategies & Projects



European Strategy Forum
on Research Infrastructures

EUROPEAN RESEARCH INFRASTRUCTURES CONSORTIUM (ERIC)

European
multidisciplinary
seafloor
observatory

emso

Spanish
representative

PLOCAN
consorcio



plus

ENVRI

emso^{dev}

EMSO-Link



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Strategies & Projects



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



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.

Strategies & Projects



Multi-use Offshore Platforms



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Summary & Recommendations

- EO must go beyond Knowledge/data production, it should also be based on our capacity to progress on their application, progresses on technologies developments and services so to produce socio-economical growth and benefits.
- New prototypes/technologies need to overcome the “Valley of Death” – Validation and Demonstrations on real environments needs to be facilitated.
- Important to integrate specialized Research Infrastructures focused on reduce tests costs and speed up technology maturity to support market uptake of new innovations.
- EC strategies (Atlantic, RI´s, Blue Growth,..) need to keep and strength this vision, with dedicated funds and promoting collaboration at all levels.
- PLOCAN as a key infrastructure to conduct technology tests/validation in the Atlantic/Macaronesian area, as well as, strategically involved the cooperation at both sides of the Ocean (North, South and Central).



THANK YOU
for your
ATTENTION!