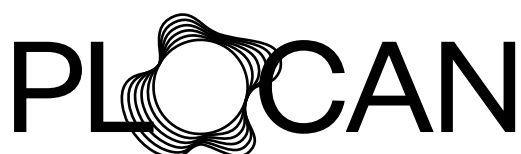


Annual Report 2025



Plataforma Oceánica
de Canarias

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01

**Introduction
by the
Director**



We look to the future with the determination to continue to advance our mission as a Infrastructure

The year 2025 has been one of consolidation and growth for PLOCAN, characterised by intense scientific and technical activity, sound management and recognition that highlights the importance of our infrastructure in both the national and international contexts. At a time when the energy transition, the protection of the marine environment and technological innovation are shaping the global agenda, PLOCAN has reinforced its commitment as a leading platform serving science, technology and society.

During 2025, we achieved a 92.75 percent implementation rate for our Action Plan, a result that reflects the high degree of fulfilment of our planned objectives and represents a significant improvement on the previous financial year. This result has been made possible by the coordinated efforts of the entire team and the effective integration of the infrastructure's capabilities in the fields of ocean observation, marine renewable energy, robotics and data science.

Among the most significant institutional milestones of the year included receiving the 2025 SER Canario Award, which recognises PLOCAN's scientific and technological leadership and its contribution to the development of the Canary Islands, and the designation of strategic projects for the Autonomous Community linked to the infrastructure's activities. Furthermore, efforts have continued to drive activities aimed at generating an impact across the entire archipelago, with notable results on the island of La Palma. At an operational level, the commissioning of the offshore platform's desalination plant has made the infrastructure fully self-sufficient in

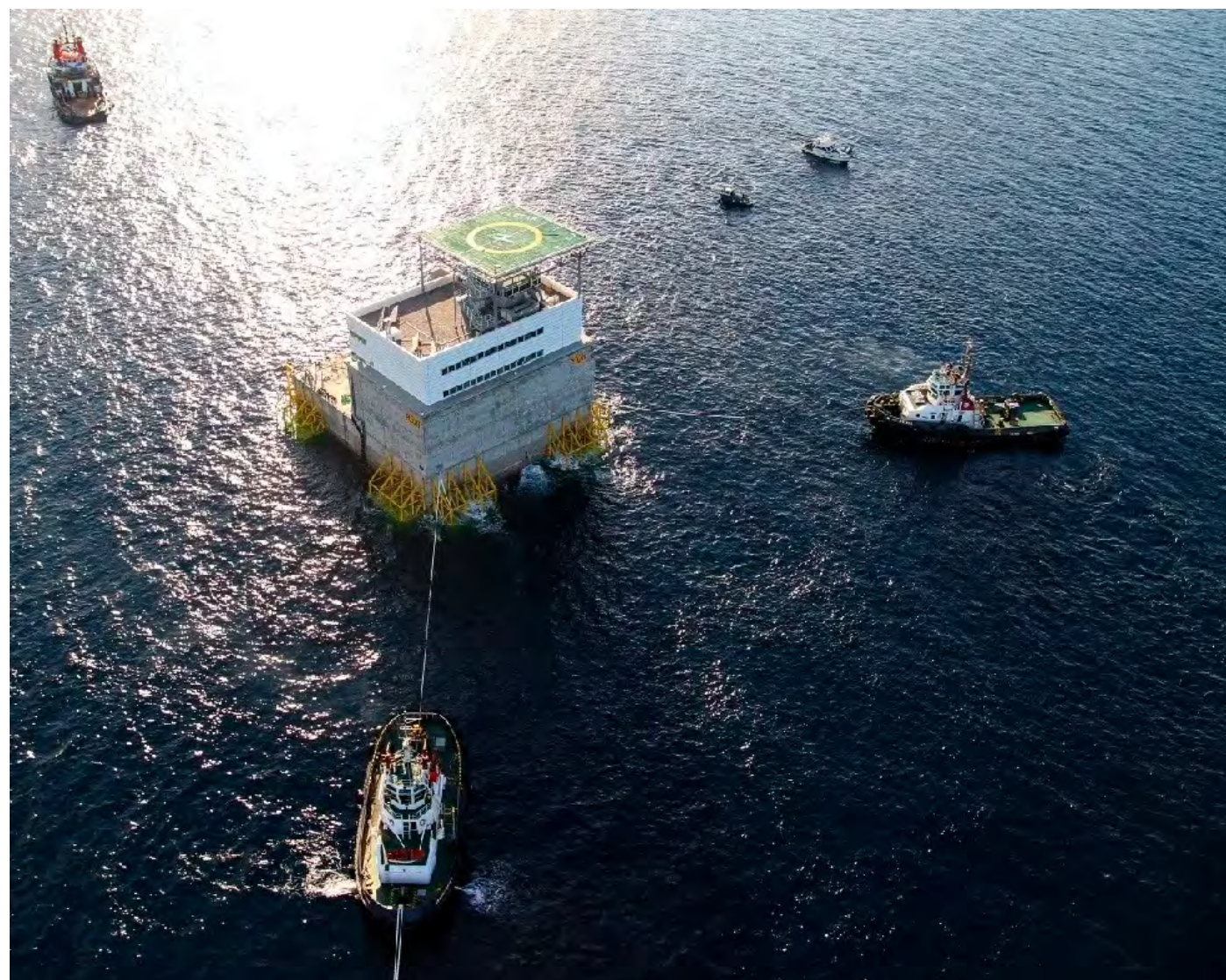
terms of potable water, and electrical modernisation and safety upgrades have been completed, alongside the installation of new multi-parameter observation systems.

PLOCAN has managed a total of 86 scientific and technical projects, of which 27 have been coordinated or led by the institution, in collaboration with 936 partners from 76 countries. The total funding associated with these projects exceeds 368 million euros, with PLOCAN securing more than 54 million euros directly. In terms of human resources, the workforce stood at 58 professionals as at 31 December, with a balanced gender split – 29 women and 29 men – distributed between permanent staff and project-based staff. Thirty-nine job vacancies were advertised, leading to the recruitment of 25 new professionals. Our training and outreach activities have enabled us to support 4,352 pupils and 286 teachers from 124 schools in the Canary Islands, consolidating our role as a promoter of scientific and technological careers.

We look to the future with the determination to continue to advance our mission as a Singular Scientific and Technical Infrastructure, supported by the consortium's 2026–2028 multi-annual action plan, the strength of our institutional partnerships and the talent of our team. With the backing of the consortium's member authorities, our network of national and international partners, and a management model geared towards excellence, PLOCAN will continue to be a cornerstone in the pursuit of a better-observed, better-understood and better-protected ocean.

02

**The PLOCAN
Consortium**



The Oceanic Platform of the Canary Islands (PLOCAN) is managed through a public consortium attached to the State and comprising:

- ~ **The General State Administration**, through the Ministry of Science, Innovation and Universities.
- ~ **The Autonomous Community of the Canary Islands**, through the Canary Islands Agency for Research, Innovation and the Information Society.

The purpose of the consortium is the design, construction, equipping and operation of the Oceanic Platform of the Canary Islands, as well as the management of its scientific and technical capabilities and access to the infrastructure.

The consortium's operations are governed by the statutes set out in the [founding agreement](#) signed in 2007, as well as by subsequent updates to the agreement made in [2012](#), [2015](#), [2021](#) and [2022](#).

2.1 Organisation chart

Public consortium

(LEVEL 1)



Ministry of Science, Innovation and Universities (MICIU)

Represents the General State Administration (AGE), providing baseline funding and national strategic direction.



Canary Islands Agency for Research, Innovation and the Information Society (ACIISI)

Represents the Autonomous Community of the Canary Islands, linking PLOCAN's activity to regional development and local innovation.

Governing bodies

(LEVEL 2)



Governing Board

The highest governing and administrative body; sets general guidelines and approves budgets and annual accounts



Executive Board

Monitors and implements activities; submits action plan proposals to the Governing Board.

Advisory bodies

(LEVEL 3)



Scientific and Technical Advisory Committee (COCI)

Assesses and oversees R&D&I activities; actively contributes to defining the strategic plan.



Socio-Economic Activities Advisory Committee (CASE)

Reviews and assesses PLOCAN's contribution to developing the blue economy and its impact on society.

Executive level

(LEVEL 4)



Director

Responsible for day-to-day management; leads the workforce and ensures the Consortium's operational objectives are met.

Operational areas and functions

(LEVEL 5)

SCIENTIFIC-TECHNICAL AREA

- ~ **R&D&I Projects:** implementation of R&D&I projects.
- ~ **ICTS Access:** management of access to the ICTS.
- ~ **Technical Data Operations:** management of ocean data.
- ~ **Equipment Maintenance:** maintenance of the platform and equipment.
- ~ **User Support:** specialised technical assistance.

SOCIOECONOMIC AREA

- ~ **Institutional Relations:** management of relations with institutions.
- ~ **Marine Education:** educational programmes and training.
- ~ **Communication and Events:** social media communication and event organisation.
- ~ **Scientific Outreach:** communication of marine knowledge to the public.
- ~ **CSR and Sustainability:** promotion of local sustainability.

ECONOMIC AND ADMINISTRATIVE AREA

- ~ **Budgets:** budget administration.
- ~ **ICTS Procurement:** purchase of specialised equipment.
- ~ **Human Resources:** staff management.
- ~ **Audits:** financial control and audits.
- ~ **Agreements and Expenditure Control** (management of agreements and institutional expenditure control).

2.2 Governing Bodies

GOVERNING BOARD

The Governing Board is the consortium's highest governing and administrative body.

Its main responsibilities include:

- ~ Setting the consortium's strategic guidelines
- ~ Approving the infrastructure's scientific and technical project
- ~ Setting the general rules and criteria for its operations
- ~ Approving the annual budget
- ~ Approving the annual accounts and the budget settlement
- ~ Overseeing the fulfilment of the institutional objectives.

The Chair of the Governing Board acts as the consortium's highest institutional representative.

Composition at the last meeting held in 2025:

~ Chair

MS EVA ORTEGA PAÍNO

Head of the General Secretariat for Research

~ Vice-chair

MR MANUEL DOMÍNGUEZ GONZÁLEZ

Vice-President of the Government of the Canary Islands and Minister for the Economy, Industry, Trade and the Self-Employed

~ Members

MR JOSÉ IGNACIO DONCEL MORALES

Deputy Director-General for Major Scientific and Technical Facilities

MS ÁNGELA FERNÁNDEZ CURTO

Deputy Director-General for Major Scientific and Technical Infrastructures

MR CARLOS CLOSA MONTERO

Vice-President for Organisation and Institutional Relations at the CSIC

MR JAVIER FRANCO HORMIGA

Director of the Canary Islands Agency for Research, Innovation and the Information Society

MR GUSTAVO GONZÁLEZ DE VEGA

Deputy Minister for the Economy and Internationalisation

**The Governing Board met
on 28 May and 31 October 2025.**

EXECUTIVE BOARD

The Executive Board is a governing body responsible for the operational oversight and implementation of the consortium's activities.

It comprises two representatives from the CAC, at least one of whom must be a member of the Governing Board, and two representatives from the AGE (through the current Ministry of Science, Innovation and Universities), at least one of whom must also be a member of the Governing Board.

Its main functions include:

- ~ Submitting the proposed annual budget to the Governing Board
- ~ Proposing the annual accounts and the finalisation of the budget
- ~ Drawing up the proposed annual action plan
- ~ Proposing the scientific programme to be carried out at the facility.

Composition at the last meeting held in 2025:

~ Chair

MR JAVIER FRANCO HORMIGA

Director of the Canary Islands Agency for Research, Innovation and the Information Society

~ Vice chair

MS ÁNGELA FERNÁNDEZ CURTO

Deputy Director-General for Major Scientific and Technical Facilities

~ Members

MS BEATRIZ TEJEDOR MIRALLES

Head of Division, Sub-Directorate for Major Scientific and Technical Facilities

MS JULIETA SHALLEMBERG RODRÍGUEZ

Deputy Minister for Ecological Transition, Combating Climate Change and Energy

**The Executive Board met in 2025
on 16 January, 29 January, 20 May, 21 July,
17 October and 17 November.**

2.3 Advisory Bodies

SCIENTIFIC TECHNICAL COMMITTEE (COCI)

The Scientific and Technical Advisory Committee (COCI) is an advisory body of the Consortium whose objective is:

- ~ Advise on PLOCAN's scientific and technological activities, programmes and plans
- ~ Propose future actions that may improve the quality and scope of the work
- ~ Define and propose arrangements for external scientists to access the platform

~ Chair

GEROLD WEFER
Professor, Bremen University

~Members

ANTONIO FERNÁNDEZ
Director, Institute of Animal Health, University of Las Palmas de Gran Canaria

BEGOÑA PÉREZ GÓMEZ
Head of Harbor Oceanography Department (Physical Environment Area), Puertos del Estado

CHRISTOPHER BARNES
Professor, School of Earth and Ocean Sciences, University of Victoria

ELEANOR FRAJKA-WILLIAMS
Professor, Head Experimental Oceanography, University of Hamburg

HENRY F JEFFREY
Senior Lecturer, School of Engineering, University of Edinburgh

LIDIA ESTHER ROBAINA
Professor, Universidad de Las Palmas de Gran Canaria

MARÍA LUISA CASTAÑO
Advisor to the Director General, Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)

MONICA AGUADO ALONSO
Director of the Grid Integration Department, CENER

SOCIO-ECONOMIC ACTIVITIES COMMITTEE (CASE)

The Socio-Economic Activities Advisory Committee (CASE) is an advisory body of the Consortium whose aim is to:

- ~ Advise on PLOCAN's scientific and technological activities, programmes and plans.
- ~ Propose future actions that may focus the Consortium's work on contributing to the sustainable socio-economic development of ocean-related activities.

~ Chair

DR. LUIS SERRA MAJEM
Vice-Chancellor of the University of Las Palmas de Gran Canaria (ULPGC)

~Members

D^a. MARÍA AURORA DE BLAS CARBONERO
Director-General of Fisheries Management

D. GERMÁN CARLOS SUÁREZ CALVO
Chair of the Canary Islands Maritime Cluster

D. MANUEL ANTONIO MARTÍNEZ RUIZ
Vice-Admiral (Engineer), Director of Naval Construction at the Ministry of Defence

D. GUSTAVO SANTANA HERNÁNDEZ
Director-General of the Merchant Navy

D^a ANA TORRENT
Manager of the Technological Excellence Cluster

D^a MARÍA FRANCISCA RIVERO GARCÍA
Secretary-General of the Institute for Energy Diversification and Saving

D. TOMÁS ROMAGOSA
Technical Director of the Wind Energy Business Association

2.4 Financial Resources

The organisation's core funding is provided by the consortium members in accordance with the Agreement signed on 10 December 2007 by the Spanish State and the Government of the Canary Islands for the creation of the Consortium for the Design, Construction, Outfitting and Operation of the Oceanic Platform of the Canary Islands. On 17 May 2022, an amendment to clause five of the agreement was signed, providing for new contributions from the AGE-MICIU and the Autonomous Community for the period from 2022 to 2028. The total amount is 21,000,000.00 euros, with both authorities contributing 50 per cent.

~ **The transfers received in 2025 totalled 3,000,000.00 euros (1,500,000.00 euros contributed by AGE-MICIU and 1,500,000.00 euros by the Government of the Canary Islands).**

In addition, the Consortium is funded by competitive grants obtained through national and European public calls for proposals and through the provision of services. During the 2025 financial year, the Consortium received grants totalling 2,754,609.76 euros. Virtually all of the remaining funds received stem from services provided during the year (€74,220.99).

2.5 Implementation of the Action Plan

During 2025, PLOCAN continued to carry out the activities set out in its annual plan, aimed at consolidating the scientific and technological capabilities of the infrastructure and strengthening its contribution to knowledge, innovation and the sustainability of the marine environment.

The plan was monitored using a system of indicators that assess the degree of compliance with the actions associated with the various strategic objectives. These actions include, in particular, the maintenance and operation of key ocean observation infrastructure, monitoring missions using autonomous vehicles, the deployment of new scientific instrumentation, and the strengthening of the test site's environmental monitoring systems. Furthermore, initiatives were promoted to facilitate user access to the infrastructure's facilities and to strengthen the strategic priorities of the scientific and technical programme.

~ **PLOCAN achieved an overall implementation rate of 92.75 per cent of the Action Plan, reflecting a high degree of fulfilment of the objectives set for the financial year.**

In September, PLOCAN launched its new online portal, reinforcing its commitment to modernisation, transparency and efficiency in its administrative management. In November, PLOCAN obtained certification under the National Security Scheme, reinforcing its commitment to information protection, technological resilience and the responsible management of digital systems.

Details of the monitoring of actions and their level of implementation are set out in the table of indicators below.

PLOCAN				
INITIATIVES	MAIN INDICATOR	VERIFICATION METHOD	WEIGHTING %	% ACHIEVED
1. Carry out the ESTOC maintenance campaign	1 campaign carried out	Final campaign report	2.50	2.50
2. Carry out radio missions with a glider to ESTOC	At least 1 mission completed	Mission report	2.00	2.00
3. Deployment of new multi-parameter sensors	2 sensors deployed	Technical report	2.00	2.00
4. Integration of the coastal IoT sensor network (FerryBox)	At least 1 environmental monitoring report completed for all active trials.	Follow-up reports and real-time monitoring dashboard	2.50	1.25
5. Oversee environmental monitoring of tests on the test site	At least 2 environmental monitoring reports produced	Documented monitoring reports	2.00	2.00
6. Maintenance and calibration of FerryBox and EGIM	One maintenance and one calibration carried out	Internal report document	2.00	2.00
7. Managing VIMAS access applications	2 calls for applications processed	Director's decision/ Admissions Committee report	2.50	2.50
8. Recruitment of specialist technicians	2 recruitment rounds published	Specific terms and conditions published on the PLOCAN jobs website	2.00	2.00
9. Implementation of the VIMAS fleet replacement plan	Purchase of one glider	Tender awarded and explanatory report on associated activities.	2.50	2.50
10. Carry out a hydrographic survey campaign on the test site	At least one hydrographic survey carried out on the test site	Internal report on the survey and data collected.	2.00	2.00
11. Update the PLOCAN data portal	New portal now live with features implemented	Deployment report and acceptance testing	3.00	3.00
12. Development of an API for data access	Operational API	Technical documentation and integration testing	3.00	3.00
13. Obtaining ENS intermediate-level certification	Certification obtained	National Security Scheme Certificate	2.00	2.00
14. Photovoltaic project on an offshore platform	Photovoltaic project contracted	Tender published on the government procurement platform	2.00	2.00
15. Commissioning of the green H ₂ production plant	Green H ₂ production plant currently undergoing testing.	Report on actions carried out during commissioning	2.00	2.00
16. Develop energy optimisation projects	Project completed	Technical project document	1.00	1.00
17. Validate offshore platform operations in relation to the test site prototypes	Procedure for operating with prototypes on the test site.	Procedure	2.00	2.00
18. Strengthen local capacities	At least 1 workshop held	Documented training programme and list of attendees	1.00	1.00
19. Development of a virtual tour of the platform	Virtual tour operational on Google Earth	Verifiable publication on the Google platform	1.00	1.00
20. Business partnerships	3 new partnerships with companies	Agreements signed	2.50	2.50
21. Promoting RiSEnergy access to the test facility	At least 2 access requests processed	Access decisions	2.50	2.50
22. EMSO ERIC, ICOS ERIC and JERICO RI tasks	Project activities carried out	Internal report detailing activities	1.00	1.00
23. Define Marinerg-i access agreement	Access agreement defined	Agreement document	1.00	1.00
24. Implement the renewable energy training programme with the ULPGC	At least 3 courses published and delivered	Certificates of attendance and training reports	1.00	1.00

INITIATIVES	MAIN INDICATOR	VERIFICATION METHOD	WEIGHTING %	% ACHIEVED
25. Develop promotional materials for PLOCAN's services	Leaflets promoting the glider and laboratory services (1 for each service)	Leaflets produced	1.50	1.50
26. Participate in outreach events	Participation in 5 forums or events	Internal report on activities	2.50	2.50
27. Publish scientific articles	At least 10 articles published in scientific journals	Publications Report	3.00	3.00
28. Organise the 15th Glider School	15th edition held	Programme documentation, developed materials and list of attendees	1.50	1.50
29. Participate in the RRI Working Group	1 report on activities carried out	Activity report	1.00	1.00
30. Participate in R&D&I projects	Two new R&D&I projects	Project documents	2.50	2.50
31. Establish the operational base on La Palma	Contract awarded	Tender awarded	2.00	2.00
32. Recruitment of DELTA project technicians	At least 2 technicians recruited	Employment contracts	2.00	2.00
33. Monitoring the repair of the offshore platform tank	Phase 2 of the works completed	Recording of minutes and technical documentation	1.00	0.00
34. Drawing up the pollution contingency plan	Contingency plan drawn up	Procedure document and training records	2.00	2.00
35. NAVE 5 refurbishment project	Project prepared	Technical project document	2.00	2.00
36. Administrative procedures: preliminary authorisation and construction	Prior authorisation and construction procedures completed	Submission of applications to the relevant authorities	1.50	1.50
37. Preparation of tendering procedures for cable infrastructure	Technical and administrative specifications drawn up	Tender documents completed	1.50	1.50
38. Updating the Protocol on Access to Scientific and Technical Infrastructure	Protocol updated, approved and implemented	Minutes of approval signed by the Executive Board	3.00	0.00
39. Approve the catalogue of services and tariffs	Catalogue published (laboratory, gliders, Smart Grid usage and ground station)	Services and tariffs document approved by the Executive Board	3.00	3.00
40. Set the water sheet tariff for the Test site	Tariff established	Document on the methodology for determining the tariff	3.00	3.00
41. Preparation of a user guide for the test site	User guide published	Access website	3.00	3.00
42. Establish a new access management system for scientific and technical facilities	Operational web system	Technical documentation and operational testing	3.00	3.00
43. Review and implement laboratory services	Approved laboratory services catalogue	Laboratory services document	3.00	3.00
44. Recruitment of Head of the Scientific Department	Post filled	Final decision on the recruitment process	2.00	0.00
45. Implementation of the electronic file system	Electronic file in production	Supplier certificate	3.00	3.00
46. Implementation of the CAE Platform	CAE platform implemented	Internal report	2.00	2.00
47. Develop research products/services	At least 2 products and/or services	Technical Report	3.00	3.00
48. Conduct an ISO audit	Internal audit completed	Final internal audit report	1.00	1.00

92.75

2.6 Tendering procedures

During 2025, PLOCAN awarded 32 procurement files, comprising 17 service contracts, 11 supply contracts, 3 works contracts and one mixed contract. Among the supply contracts, 7 were formalised through the Dynamic Procurement System. In addition, 5 calls for tenders were published but received no bids.

Of the 32 contracts awarded, 15 have been financed from the organisation's own funds, whilst the remainder have been financed through European funds and funding from public authorities, in line with the research, technological development and innovation activities carried out by the organisation.

Furthermore, during this financial year, various contracts linked to centralised procurement systems and framework agreements were formalised, mainly in the field of ICT infrastructure and technological equipment, with the aim of optimising procurement processes and ensuring efficiency in the acquisition of resources necessary for the consortium's activities.

The tenders published and awarded in 2025 were as follows:

SUBJECT OF THE CONTRACT	PROCEDURE	TYPE OF FUNDING
Addendum extending the maintenance service contract for the water treatment plant at the Oceanic Platform of the Canary Islands (PLOCAN) at its offshore site	Simplified open abbreviated	Own funds
Extension addendum to the tax advisory service contract.	Simplified open abbreviated	Own funds
Addendum extending the employment management service contract.	Simplified open	Own funds
Addendum extending the contract for the maintenance of the cranes at the Oceanic Platform of the Canary Islands (PLOCAN) offshore site.	Simplified open abbreviated	Own funds
Institutional social media management service for the Consortium for the design, construction, equipping and operation of the Oceanic Platform of the Canary Islands (PLOCAN).	Simplified open	Own funds
Cleaning service for the Consortium's buildings on La Palma for the design, construction, equipping and operation of the Oceanic Platform of the Canary Islands.	Simplified open abbreviated	Direct grant
First-level controller service for the verification of expenditure under the ATLANTIC WHALE DEAL project, part of the INTERREG ATLANTIC AREA 2021–2027 programme	Simplified open abbreviated	Direct grant/project
Maintenance service for the power generation sets and diesel fuel tanks at the Oceanic Platform of the Canary Islands (PLOCAN) at its offshore site.	Simplified open abbreviated	Own funds
Maintenance service for the electrical and lighting installations at the Oceanic Platform of the Canary Islands (PLOCAN) at its offshore site	Simplified open abbreviated	Own funds
Maintenance service for the fire protection systems at the Oceanic Platform of the Canary Islands (PLOCAN) at its offshore site	Simplified open abbreviated	Own funds
Maintenance service for the special facilities of the Oceanic Platform of the Canary Islands (PLOCAN) at its offshore site	Simplified open abbreviated	Own funds
General/maritime third-party liability insurance service for the Consortium for the design, construction, outfitting and operation of the Oceanic Platform of the Canary Islands.	Simplified open abbreviated	Own funds
Healthcare insurance service for employees of the Consortium for the design, construction, equipping and operation of the Oceanic Platform of the Canary Islands (PLOCAN).	Simplified open	Own funds
Works described in the project “REFURBISHMENT OF SCHOOL AND CONSTRUCTION OF TEMPORARY ANNEXES FOR PLOCAN”	Simplified open	Direct grant/project

SUBJECT OF THE CONTRACT	PROCEDURE	TYPE OF FUNDING
Work described in the "RENEWABLE ENERGY PROJECT ON THE PLOCAN OFFSHORE PLATFORM".	Simplified open	Direct grant/project
Supply of a meteorological and oceanographic buoy (ODAS) for monitoring oceanic and atmospheric variables.	Simplified open	Direct grant
Supply of an acoustic release system for use with oceanographic moorings	Simplified open abbreviated	Direct grant
Project management and health and safety coordination services for the supervision and control of the execution of the works described in the 'RENEWABLE ENERGY PROJECT ON THE PLOCAN OFFSHORE PLATFORM'.	Simplified open	Direct grant/project
Project management and health and safety coordination services for the supervision and control of the execution of the works described in the PROJECT "RENOVATION OF THE SCHOOL AND CONSTRUCTION OF TEMPORARY ANNEXES FOR PLOCAN"	Simplified open	Direct grant
Supply of a high-precision portable salinometer for measuring salinity in seawater samples.	Simplified open	Direct grant
Works described in the project "RENOVATION OF FACILITIES FOR THE PLOCAN RESEARCH CENTRE IN TAZACORTE".	Simplified open abbreviated	Direct grant
Project management and health and safety coordination services for the supervision and monitoring of the execution of the works described in the PROJECT "RENOVATION OF FACILITIES FOR THE PLOCAN RESEARCH CENTRE IN TAZACORTE."	Simplified open	Direct grant
LOT 1 of the cleaning service for the onshore buildings in Gran Canaria (LOT 1) and offshore facilities (LOT 2) of the Consortium for the design, construction, equipping and operation of the Oceanic Platform of the Canary Islands.	Open	Own funds
Supply of an autonomous unmanned vehicle.	Open	Eligible for funding
Supply, assembly and installation of laboratory furniture and equipment as part of the 'COMPREHENSIVE PROGRAMME FOR MONITORING AND SUSTAINABLE MANAGEMENT OF THE MARINE ECOSYSTEM OF THE LÁVICO DELTA IN LA PALMA' project.	Open	Direct grant
Procurement of a high-capacity data storage system, LOT 2	Second call for tenders	Recovery and Resilience Facility
Supply, implementation and maintenance of an e-government platform, LOT 5	Second call for tenders	Own funds
SUPPLY – COMMUNICATIONS EQUIPMENT – LOT 1: Procurement of firewalls (Forcepoint), WAF, network equipment (Extreme Networks) WITHIN THE DYNAMIC PROCUREMENT SYSTEM FOR THE SUPPLY OF COMMUNICATIONS EQUIPMENT, SERVERS AND STORAGE SYSTEMS	Second call for tenders	Own funds
SUPPLY – SERVERS AND STORAGE SYSTEMS – LOT 2: Procurement of high-availability server infrastructure – WITHIN THE DYNAMIC PROCUREMENT SYSTEM FOR THE SUPPLY OF COMMUNICATIONS EQUIPMENT, SERVERS AND STORAGE SYSTEMS	Second call for tenders	Own funds
SUPPLY, INSTALLATION AND COMMISSIONING OF ONE LED SCREEN, THREE LCD MONITORS (VIDEOWALL SYSTEM) AND ONE TOUCHSCREEN, LOT 1	Second call for tenders	Direct grant
SUPPLY OF SAN/NAS STORAGE ENCLOSURES AND BACKUP TAPE LIBRARY, LOT 2	Second call for tenders	Recovery and Resilience Facility
SUPPLY OF 16-PORT SAN INTERCONNECT SWITCHES, LOT 1	Second call for tenders	Recovery and Resilience Facility

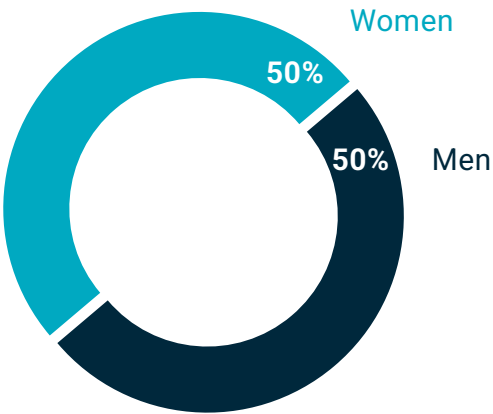
Detailed information on the tenders can be found in the contracting authority’s profile, accessible via the PLOCAN website and the State Procurement Platform.

2.7 Human Resources

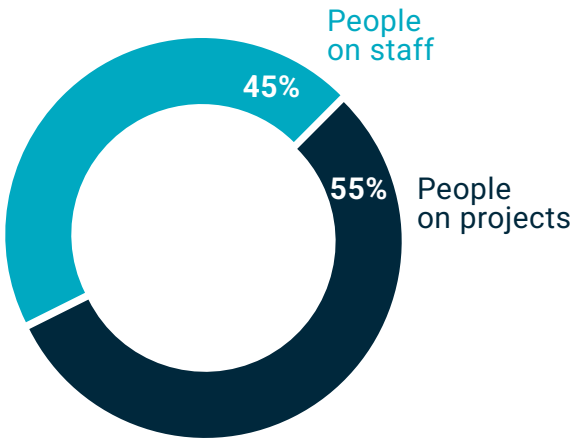
As at 31 December 2025, PLOCAN had a workforce of 58 professionals working across the organisation’s various areas: scientific and technical, economic and administrative, and socio-economic. The consortium’s scientific and technical activities are carried out in accordance with the lines of research detailed in Annex 1.

PLOCAN’s workforce is concentrated mainly in the 40–49 age group, with a significant presence also in the 30–34 and 35–39 age groups, reflecting a team with a solid combination of experience and technical expertise at key stages of their professional careers.

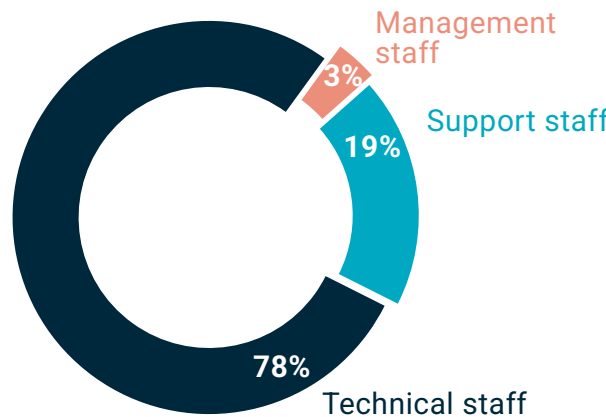
~ The gender breakdown of staff shows a balance between women and men, with **29 women and 29 men in the total workforce**.



~ In terms of contract types, the workforce comprises **26 staff members on the consortium’s permanent payroll and 32 professionals employed on a project basis**, reflecting the significant proportion of scientific and technical activity funded through competitive R&D&I programmes.



~ From an organisational perspective, the PLOCAN team is structured across three functional levels: management, support staff and technical staff. The breakdown of staff in 2025 was as follows: **2 people in management roles, 11 in support roles and 45 in specialised technical roles**, who form the core of the infrastructure’s scientific and operational activity.



During 2025, staff activity was also analysed using the person-month (PM) unit, which is equivalent to the work of one full-time person for one month. A total of 742 PMs were recorded throughout the financial year.

Of these, 312 PM corresponded to permanent staff and 430 PM to project-based staff, highlighting the growing importance of activities carried out within the framework of scientific and technological projects.

Within PLOCAN's permanent staff, the 312 person-months were distributed as follows: 24 PMs in management, 91 PMs in support staff and 197 PMs in technical staff, highlighting the central role of the technical team in carrying out research activities, operating the infrastructure and supporting project implementation.

With regard to human resources management, 39 job vacancies were advertised during 2025, enabling 25 professionals to join the PLOCAN team.

2.8 Management System

During 2025, all activities carried out by PLOCAN within the scope defined by the Integrated Management System (IMS) (which encompasses marine science and technology services, administrative management relating to training schools, as well as the management of projects related to ocean observation, marine energy, sensors and underwater vehicles, the blue economy and growth, and biodiversity and sustainability) were carried out in accordance with the procedures set out in the IMS itself. Furthermore, the relevant records were drawn up and maintained using the forms provided for in those procedures, in order to provide evidence supporting the proper implementation of the system.

During this financial year, certification to ISO 14001 and ISO 45001 was renewed, and the first follow-up audit for ISO 9001 certification was carried out. The internal audit of the system took place on 20 October. On 23 October, the 'management review' meeting took place, and on 27, 28 and 29 October, the certification audit was held in a hybrid format.



**Infrastructure:
ICTS PLOCAN**

3.1 Facilities

OFFSHORE OCEANIC PLATFORM



Illustration 1. PLOCAN's offshore platform

PLOCAN's offshore ocean platform is a multi-purpose facility designed for scientific, technological and demonstration activities in the marine environment.

The facility is built on a caisson resting on the seabed, situated approximately 1.5 km off the north-east coast of Gran Canaria at a depth of 30.5 metres. The structure has a floor area of 2,500 m² spread over five levels, housing multidisciplinary laboratories, technical workspaces and areas dedicated to scientific and technological operations.

Notable features include laboratories equipped for the analysis of biogeochemical variables in the water column, as well as a large operational area on the main deck and a hangar fitted out for the loading and unloading of experimental materials. The platform also features workshops, cranes, gantry cranes and specialised technical equipment, which provide support for scientific operations and technological experimentation in the offshore environment.

The facility is designed to accommodate up to 40 people on working days lasting between 8 and 12 hours, or 15 people on a residential basis, with accommodation comprising single and double rooms each fitted with a full bathroom. These facilities enable the continuous conduct of scientific campaigns, technological trials and research activities in the marine environment.

One of the platform's unique features is its SmartGrid, a smart electricity grid designed to efficiently manage the energy generated in the offshore environment. This system facilitates the integration of different generation sources and provides the energy supply required for technological and scientific experimentation, ensuring the safe, efficient and sustainable operation of the facilities.

PLOCAN's offshore platform serves as a real-world testing environment, enabling the development and validation of marine technologies in fields such as marine renewable energy, ocean observation, underwater robotics, environmental monitoring and advanced sensor technology. Thanks to its logistical and technical capabilities, it forms a central part of PLOCAN's scientific infrastructure and provides essential support for research projects, technology demonstration and international scientific cooperation.

PLOCAN's offshore platform serves as a real-world testing environment, enabling the development and validation of marine technologies in fields such as marine renewable energy, ocean observation, underwater robotics, environmental monitoring and advanced sensor technology.

In 2025, there were 66 days of access to the platform, with a high number of research and technical staff present, handling peaks of up to 24 workers per day at times. October saw the highest level of activity, with 18 days of access, coinciding with the simultaneous execution of several works and projects.

As part of the AFIE project (Functional Adaptation of Electrical and Safety Infrastructure), modernisation work was carried out on the platform's electrical and safety infrastructure, with the aim of expanding its operational capacity and ensuring the necessary conditions to accommodate larger-scale projects by public and private users.

A notable operational milestone was the commissioning of the platform's reverse osmosis desalination plant, which provides the infrastructure with full autonomy in the processing of seawater to produce potable water suitable for human consumption. This capability strengthens the logistical independence of the offshore facility and optimises the supply required for research campaigns and stays.

In 2025, work continued on the installation of the FerryBox system on the offshore platform, an automated system for the continuous measurement of physical, chemical and biological parameters of seawater (temperature, salinity, turbidity, chlorophyll and pH, amongst others) via a continuous flow circuit.

Progress was also made on the installation of the EGIM multi-parameter observation system, which will be located on the eastern wall of the platform, at a depth of 25 metres. This system incorporates CTD sensors, digital hydrophones, a dissolved oxygen sensor, a high-definition camera and an acoustic Doppler current profiler (ADCP) and will serve as a benchmark real-time oceanographic observation node for coastal research.

During 2025, the platform's energy management system was upgraded by integrating the new green hydrogen plant from the H2VERDE project into the existing Smart Grid. This upgrade incorporates a lithium-ion battery bank with a storage capacity of over 500 kWh, charged by renewable generation systems and the prototypes installed as part of the Smart Grid. The aim is to achieve energy self-sufficiency that relegates the generator sets to an exclusively emergency role, significantly reducing the carbon footprint of the offshore installation. Renewable Energy and Hydrogen, H2VERDE, is a project funded under Investment 1 of Component 17 of the Spanish Government's Recovery, Transformation and Resilience Plan, financed with 'Next Generation EU' funds through the Recovery and Resilience Facility (RRF).

ENERGÍA E HIDRÓGENO RENOVABLE

H₂VERDE

El proyecto **Energía e Hidrógeno Renovable** tiene por objeto la ejecución de acciones estratégicas basadas en el Hidrógeno para transformar el paradigma energético actual y minimizar la emisión de gases de efecto invernadero, y dentro de las líneas de acción de PLOCAN, la generación de hidrógeno verde a baja temperatura a partir de energía eólica offshore, para lo que se diseñará, construirá y operará una planta de generación de hidrógeno verde en la plataforma offshore de PLOCAN

CONTAINER 1

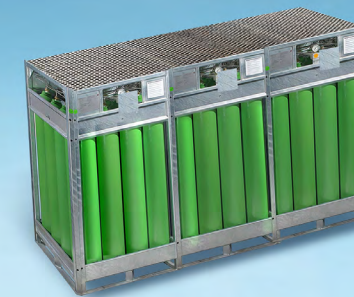
- Pila de combustible tipo PEM de 50 kW
- Equipo de compresión para aumentar la presión del H₂ a la salida del electrolizador hasta la presión de almacenamiento a 200 bar



Instalaciones en planta hangar

3 espacios diferenciados en la cubierta de la plataforma offshore.
2 containers de 20 pies cada uno, y espacio para almacenamiento de H₂

- 1 **Container 1:** Pila de combustible de 50 kW y unidad de compresión del H₂
- 2 **Container 2:** Electrolizador PEM de 100 kW
- 3 **Espacio para almacenamiento** de H₂ en botellas a presión



3 Rack de botellas de H₂

CONTAINER 2

- Contiene el electrolizador PEM de 100 kW aproximadamente
- Producción máxima de 43 kg/día

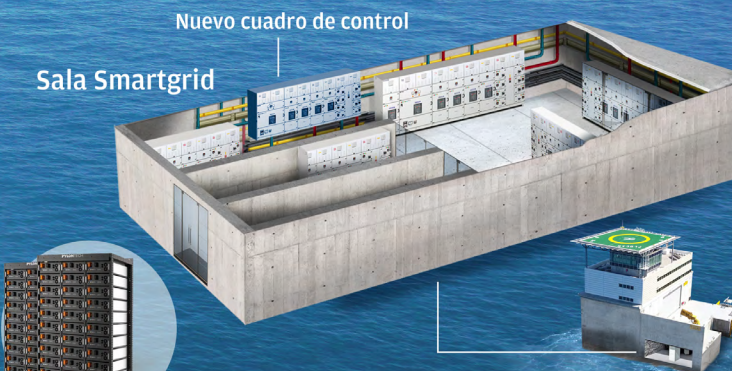


Instalaciones en planta sótano

Sistema de monitorización y control

Toda la instalación está controlada por una red inteligente (Smartgrid) mediante un control de sincronismo de la red para una gestión energética integrada de todos los elementos de la plataforma.

Para este proyecto se instala un nuevo cuadro de control situado junto a los actuales cuadros que componen el cuadro general de sincronismo.



Armario de baterías Ion LI

Planta sótano

Sala CGBT Plataforma
Armarios de baterías Ion LI
Baterías de acumulación Ion Lítio

Para almacenar la energía procedente de los prototipos instalados en el banco de ensayos.

Con capacidad total de almacenamiento de 864 kWh.

FERNANDO MONTECRUZ / PROYECTOS INFOGRÁFICOS

PLOCAN

Una isla energética

La plataforma offshore funcionará de manera autosuficiente

Con este proyecto se logra la descarbonización de la plataforma reduciendo su dependencia de combustibles fósiles, funcionando ésta como un sistema autosuficiente y aislado de la red.

Esto convierte a la plataforma offshore de PLOCAN en una isla energética que sirve de modelo a escala de los sistemas insulares.



Planta sótano

Sala planta
Desaladora de agua:

Sistema de tratamiento de agua para alimentación del electrolizador PEM

Capaz de aportar un caudal de permeado de 780 l/h con una conductividad de 294uS/cm.

Se cuenta también con un depósito de 16m³ para almacenar el agua desalada.



Illustration 2. Infographic of the H₂VERDE demonstrator

TEST SITE



Illustration 3. Informative infographic of the test site

The PLOCAN Test site is a public-domain marine area located off the north-eastern coast of Gran Canaria, covering approximately 23 km² and reaching depths of up to 600 metres. This area offers ideal conditions for carrying out scientific and technical activities in deep water, providing a controlled environment with environmental safeguards for marine experimentation.

Access to this facility is managed within the framework of the MARHIS (Distributed Marine and Ocean Engineering Infrastructure) Singular Scientific and Technical Infrastructure (ICTS), whose objective is to optimise the competitiveness and efficiency of scientific infrastructures linked to offshore and coastal maritime engineering, naval architecture and associated ocean technologies.

The test site provides a real-world experimental environment, designed for the installation, operation and validation of emerging marine technologies. Activities carried out here include the testing and demonstration of marine renewable energy systems, the deployment of oceanographic instrumentation, environmental monitoring and the validation of technological solutions related to the marine environment.

Furthermore, the test site supports scientific campaigns and research projects requiring experimental infrastructure on the open sea, enabling the combined use of PLOCAN's various capabilities, such as the ocean observatory, the fleet of autonomous marine vehicles and the infrastructure's logistical and scientific facilities.

Thanks to its oceanographic characteristics, its strategic location in the Atlantic and its integration with the rest of PLOCAN's scientific capabilities, the test site constitutes a key infrastructure for the development and validation of marine technologies, facilitating cooperation between research centres, universities, technology companies and public bodies.

In February, Wavepiston deployed the first of several third-generation wave energy converters as part of technological validation activities under real-world conditions in the waters off PLOCAN.



Illustration 4. Wavepiston device installed on the test site



Illustration 5. Mooring of the AquaWind prototype at the PLOCAN test sitePLOCAN

In May, as part of efforts to improve support infrastructure, work was carried out to strengthen communications between the various facilities at the test site and the offshore platform. In this context, the commissioning of fibre-optic links between Taliarte and the Piedra Santa substation was completed, improving the connectivity of the associated energy and technology infrastructure. In addition, work was carried out to configure and update the network systems, enabling remote connectivity for equipment deployed at the substation, as well as the remote management and administration of the communications systems.

These measures have improved the infrastructure's communications architecture, incorporating redundancy mechanisms that enhance the system's reliability, security and operational continuity, particularly in supporting scientific and technological activities carried out in the offshore environment.

In October, the European AquaWind project moored its prototype at the PLOCAN test site following months of preparation and testing in the Port of Las Palmas. This device combines two innovations in a single structure: the twin W2Power floating turbines from EnerOcean, and an aquaculture cage designed by the Government of the Canary Islands and the ULPGC.

OCEAN OBSERVATORY

The PLOCAN ocean observatory comprises a permanent, multidisciplinary network of platforms and instruments designed for the continuous monitoring of the marine environment. This infrastructure provides essential oceanographic and meteorological data for scientific research, the environmental characterisation of the marine environment and support for the activities carried out at the test site.

The observatory is organised into two main nodes:

- ~ **Coastal node, which integrates various observation systems designed to monitor oceanographic and environmental conditions in the area close to the coast.** The instruments available include an HF radar for tracking surface currents, acoustic Doppler current profilers (ADCPs) for measuring currents and waves, and hydrophones for recording underwater noise.
- ~ **Deep-sea node, which corresponds to the ESTOC station (European Time Series Station of the Canary Islands), situated approximately 60 nautical miles north of Gran Canaria, in an oceanic area with a depth of around 3,670 metres.** This station serves as a reference point for obtaining long-term time series of meteorological and oceanographic data in the central-eastern North Atlantic, contributing to the study of oceanographic and climatic processes on a regional and global scale.

The PLOCAN ocean observatory forms part of international marine observation networks and contributes to the development of ocean monitoring systems at European level. In this context, PLOCAN participates as a node in the EMSO (European Multidisciplinary Seafloor and Water Column Observatory) network, providing observation capabilities relevant to the monitoring of physical, biogeochemical and ecological processes in the ocean.

Thanks to its integration with other infrastructure capabilities, such as the test site, the offshore platform and the fleet of autonomous marine vehicles, the ocean observatory enables the development of continuous observation programmes, scientific campaigns and interdisciplinary research activities.

In November, an environmental sampling campaign was carried out at the test site to collect essential data for characterising the marine environment and assessing the environmental status of the area, including parameters such as temperature, salinity, dissolved oxygen, nutrients, turbidity and chlorophylls, amongst others.

The PLOCAN ocean observatory forms part of international marine observation networks and contributes to the development of ocean monitoring systems at European level

VIMAS

The VIMAS (Underwater Vehicles, Instruments and Machinery) base is one of PLOCAN's key operational capabilities, providing technical and logistical support for ocean observation, scientific research and technological development in the marine environment.

Its main mission is to provide a continuous operational service through a fleet of state-of-the-art autonomous ocean platforms and instruments, focused on monitoring the marine environment, developing emerging technologies, conducting scientific research, providing training and collaborating with scientific and technological organisations.

PLOCAN's fleet of autonomous vehicles is used both in the context of scientific and technological projects and to support observation infrastructure and environmental monitoring programmes

The base has a fleet of autonomous marine vehicles and robotic systems that enable observation and data acquisition operations to be carried out in different marine environments. It comprises six gliders (two Slocum, one SeaExplorer, one Seaglider, one Sailbuoy and one AutoNaut) and two remotely operated vehicles (ROVs) (one Seabotix and one BlueROV), capable of carrying out oceanographic monitoring missions, underwater inspection, technology validation and support for scientific campaigns.

These systems enable the collection of data on physical, biogeochemical and meteorological variables of scientific interest, helping to improve our understanding of the marine environment and supporting the development of ocean research and observation projects.

PLOCAN's fleet of autonomous vehicles is used both in the context of scientific and technological projects and to support observation infrastructure and environmental monitoring programmes. It also serves as a key tool for carrying out technological experimentation, testing new sensors and validating innovative solutions under real-world operating conditions.

The VIMAS base enables the conduct of advanced scientific and technological operations in the marine environment, reinforcing PLOCAN's role as a leading infrastructure in the field of ocean research and technology.

In 2025, PLOCAN's fleet of autonomous marine vehicles carried out various scientific, technical and training missions, totalling 206 days of operation across all vehicles, of which 154 were days at sea, covering a distance of approximately 1,700 nautical miles. Of particular note were operations carried out in the waters off the northern and southern fringes of the Canary Islands, with a special focus on Gran Canaria, Tenerife and La Palma.

The missions were organised into ten main operational phases, which generated nearly two million data points relating to essential physical and biogeochemical variables of an oceanographic and meteorological nature, through the use of six different technologies, including both water column profilers and surface vehicles: Seaglider, Slocum, AutoNaut, SeaExplorer, WaveGlider and Sailbuoy, all in fulfilment of PLOCAN's commitments within the framework of competitive projects and funding schemes.



Illustration 6. Mesocosms in the Port of Taliarte

ONSHORE FACILITIES

PLOCAN's onshore headquarters serves as the logistical, scientific and administrative centre supporting the activities carried out across the entire infrastructure. These facilities house areas dedicated to scientific research, technological development, the operation of marine equipment and vehicles, as well as administrative management and interaction with users and collaborators.

The headquarters has approximately 400 m² of technical workshops, equipped for work on electronics, mechanical integration, repair, maintenance and storage of scientific equipment and instrumentation. These spaces enable tasks relating to preparation and technical support for offshore operations to be carried out.

It also features around 500 m² of multi-purpose laboratories, designed for experimental activities in fields such as physical, chemical and biological oceanography, as well as for the preparation, analysis and processing of scientific samples and data. In addition to these, there are other laboratories and specialised rooms dedicated to the testing, preparation and monitoring of marine vehicles and technological equipment.

The facilities also include scientific workspaces, meeting rooms, an auditorium, offices, a business centre and storage areas, which facilitate research, innovation, training and institutional cooperation.

Close to the headquarters is the test area in the port of Taliarte, an infrastructure managed by the Cabildo of Gran Canaria. This port environment offers clear, calm waters with a depth of up to approximately 8 metres, making it a suitable location for conducting initial tests on equipment, marine vehicles and technological prototypes.

This area is also home to the HarshLab 0.5 laboratory, dedicated to studying the behaviour of materials under real marine conditions, contributing to the development of technological solutions aimed at improving the durability and performance of systems and structures in oceanic environments.

Taken together, the onshore base and its harbour area constitute an essential element of PLOCAN's logistical, scientific and technological support, facilitating the preparation, operation and monitoring of activities carried out at sea.

This year, a group of international researchers led by GEOMAR Helmholtz Centre for Ocean Research Kiel carried out an experimental trial in the vicinity of Taliarte harbour as part of the Ocean Alkalinity Enhancement (OAE) project, aimed at analysing its potential as a method for carbon dioxide removal and the mitigation of ocean acidification. The project involved the installation of mesocosm-type systems that enable the observation of marine ecosystems under controlled conditions. The study aims to assess the effects of these interventions on the marine ecosystem, particularly on organisms and biogeochemical processes, thereby contributing to the advancement of knowledge regarding ocean-based solutions for climate change mitigation.

3.2 Services provided

The main services offered by PLOCAN are:

DATA PROVISION

PLOCAN makes available to users a wide range of data and information generated by its observational capabilities and its various scientific infrastructures. This service provides access to oceanographic and meteorological data obtained from the monitoring systems deployed by the infrastructure.

Access to this data is provided via the resources available at the PLOCAN Integrated Observatory, which comprises coastal, oceanic and remote platforms. Through the organisation's website, users can access the data portal, which offers both real-time and historical information generated by various observation platforms.

The available data sources include:

- ~ **Autonomous marine vehicles**, which provide information on their trajectory, measured oceanographic variables and associated metadata.
- ~ **Fixed observation stations**, which record oceanographic parameters and meteorological conditions.
- ~ **Drifting buoys**, which enable the monitoring of currents and sea surface temperature.
- ~ **HF radar system**, which monitors the speed and direction of surface currents in coastal waters.

Furthermore, PLOCAN maintains a web-based data download catalogue accessible via the THREDDS server, from which information can be obtained in various standard formats used by the scientific community, such as netCDF or CSV, via open access protocols. This catalogue includes historical data, data from oceanographic campaigns and data generated in real time by various observation platforms.

Furthermore, PLOCAN contributes to the provision of marine data within the framework of European initiatives for the exchange of oceanographic information, facilitating the integration of its observations into international marine data networks.

MARINE OPERATIONS

PLOCAN offers an operational service that makes its scientific infrastructure and technical capabilities available to users, including the offshore platform, the test site, the ocean observatory and the fleet of autonomous marine vehicles.

This service facilitates scientific, technological and experimental activities in the marine environment, providing technical and logistical support for the conduct of scientific campaigns, the deployment of oceanographic instrumentation, technological trials and the validation of prototypes.

Operations are carried out under regulated conditions that ensure safe and efficient use in accordance with the applicable technical, environmental and regulatory requirements, providing users with specialist support in the planning, execution and monitoring of activities carried out at the facilities.

Thanks to these operational capabilities, PLOCAN facilitates the development of scientific and technological projects under real-world operating conditions in the marine environment

TEST SITE HOSTING

Hosting at the test site enables users to install marine equipment, devices or technologies at PLOCAN's various facilities for the purposes of testing, research or technological validation.

This service includes regulated access to the facilities and a range of support services necessary for carrying out the activities, such as transport, installation, maintenance, monitoring, dismantling and permit management.

In addition, complementary services relating to operational logistics, facility security and insurance management may be offered, enabling users to carry out technological trials and scientific experimentation under real operating conditions in the marine environment.

The test site thus provides a controlled experimental environment for the development and validation of marine technologies, fostering collaboration between research centres, universities, technology companies and public bodies.

The test site thus provides a controlled experimental environment for the development and validation of marine technologies

3.3 Access

Access to PLOCAN's facilities and services is granted in accordance with the procedures set out in its access protocol, which regulates the use of the infrastructure by external users and research projects.

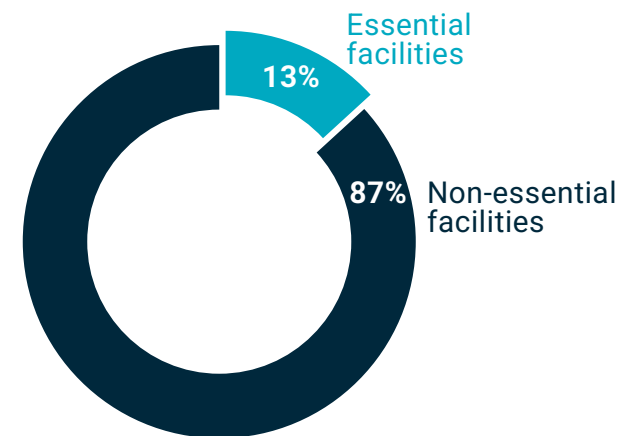
Within the infrastructure, the test site is designated as an essential facility, and access to it is managed through competitive open-access calls for proposals coordinated via the MARHIS distributed Singular Scientific and Technical Infrastructure.

The remaining facilities are managed through equivalent application and evaluation procedures, allowing access both through open competitive calls and via on-demand applications, depending on the nature of the proposed activity.

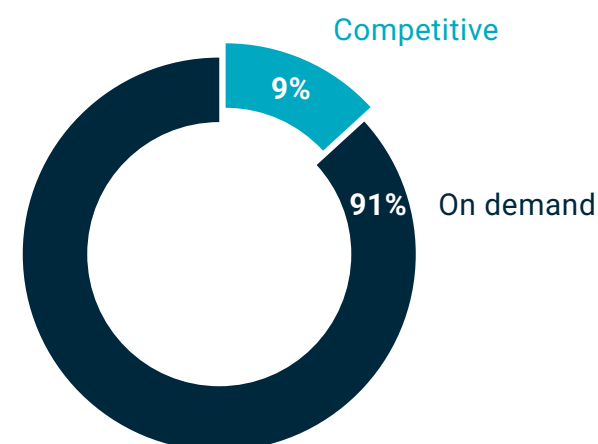
Applications for competitive open access are assessed by committees of external experts, who evaluate the scientific and technological quality and the feasibility of the proposals submitted. All information relating to calls for proposals, application procedures and decisions is available through the infrastructure's official channels.

This access system ensures open, transparent and competitive use of PLOCAN's facilities, promoting the participation of the scientific community, the technology sector and public bodies in the development of research, innovation and experimentation activities in the marine environment.

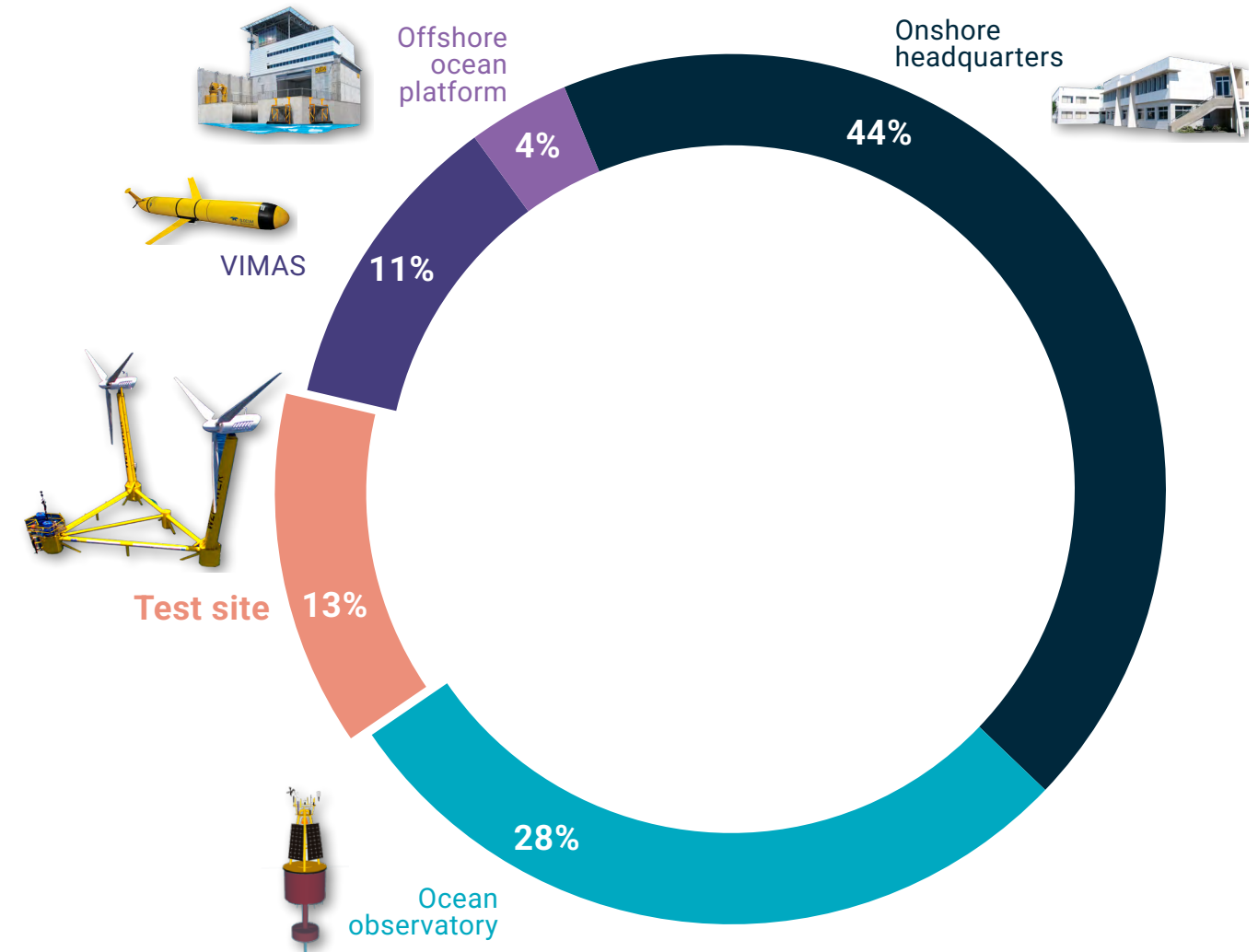
~ During the 2025 financial year, a total of 53 access requests were made to PLOCAN's facilities and services, of which **7 related to essential facilities and 46 to non-essential facilities.**



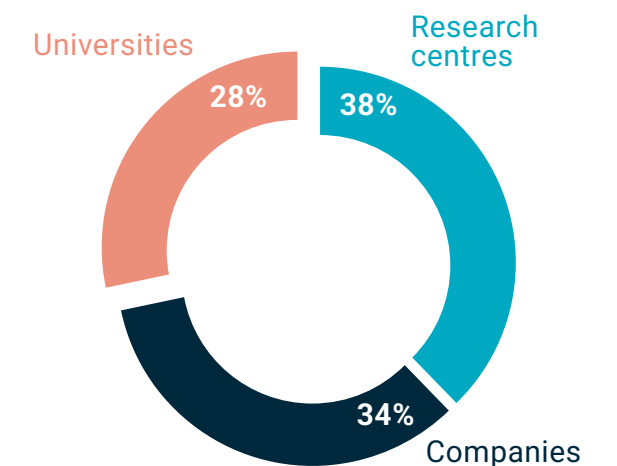
~ In terms of the type of access, **5 were processed on a competitive basis, whilst 48 were granted on demand**, reflecting the high level of operational activity and flexibility in the use of the infrastructure.



~ By type of facility, there were **23 accesses to the onshore headquarters, 15 to the ocean observatory, 7 to the test site, 6 to VIMAS and 2 to the offshore ocean platform.**



~ With regard to the nature of the user organisations, access was granted to **20 research centres, 18 companies and 15 universities**, which highlights the open nature and diversity of the infrastructure's users.



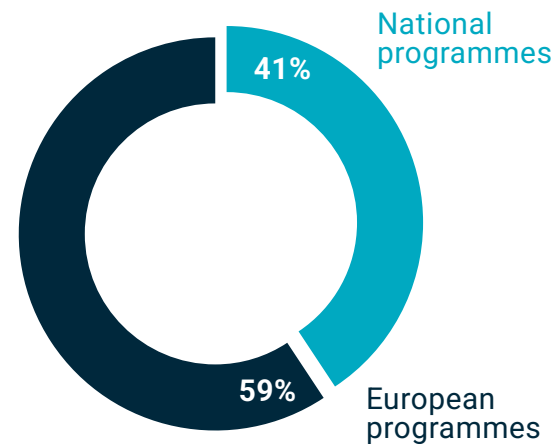
Annex 2 contains the full list of accesses that took place in 2025.



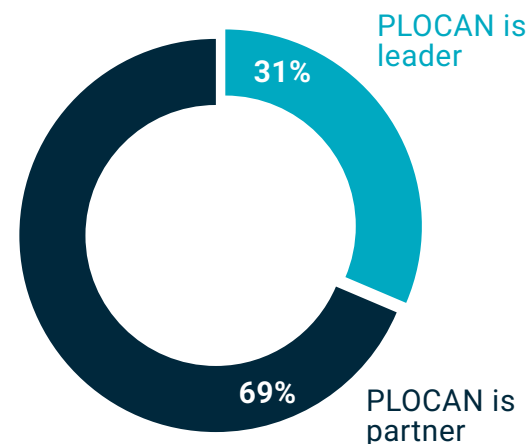
Participation in Scientific and Technical Projects

During 2025, PLOCAN managed a total of 86 scientific and technical projects, carried out in collaboration with scientific, technological and industrial institutions at national and international level. This activity reflects the infrastructure's role as a leading platform for the development of marine research, ocean observation and technologies associated with the marine environment.

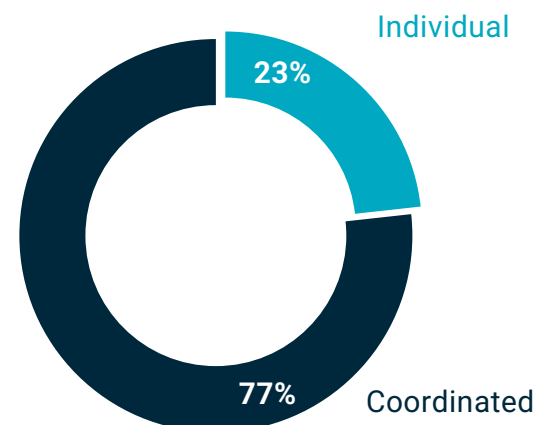
- ~ Of the projects managed, **51 were part of European programmes and 35 were part of national programmes**, highlighting PLOCAN's significant involvement in research initiatives funded at European level.



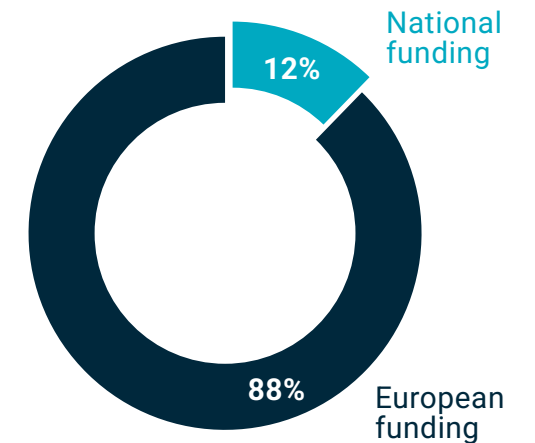
- ~ With regard to the role played by the infrastructure in the projects, **PLOCAN acted as lead or coordinating organisation in 27 projects, whilst it participated as a partner in 59 initiatives**, contributing its scientific, technological and operational capabilities to the development of the planned activities.



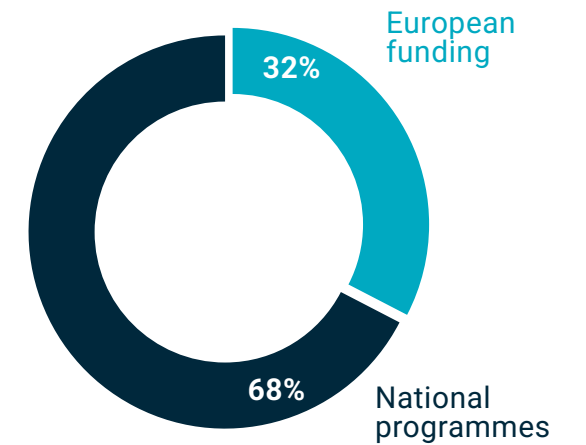
- ~ In terms of project type, **20 were carried out independently by PLOCAN, whilst 66 were carried out within the framework of coordinated consortia**.



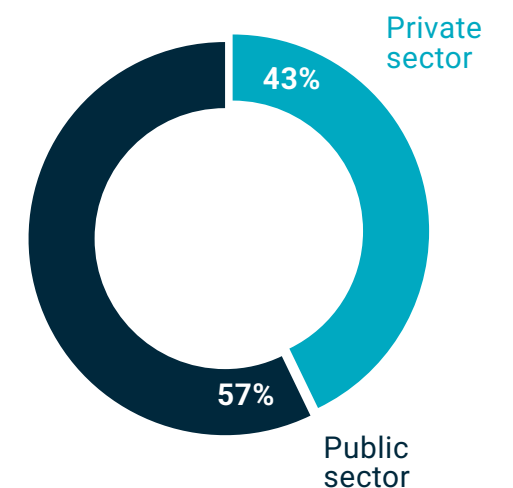
- ~ The total funding associated with the projects carried out in which PLOCAN participated amounted to €368,847,533.81, of which **€323,220,273.24 came from European funding and €45,657,260.57 from national funding**.



- ~ For its part, the funding raised directly by PLOCAN through these projects totalled €54,689,651.55, comprising **€36,993,241.63 from national programmes and €17,696,409.92 from European funding**.



- ~ As regards the nature of the collaborating organisations, **535 partners are public-sector organisations**, including higher education institutions, research centres and public bodies, whilst **401 partners belong to the private sector**, with a significant presence of small and medium-sized enterprises, large companies and non-profit organisations.



PLOCAN's involvement in these projects is carried out in collaboration with a wide-ranging international network of institutions. In total, the projects managed involve 936 partners from 76 countries.

05

R&D&I
Results

5.1 Agreements

In 2025, six new agreements and one addendum were signed.

- ~ **Addendum to the Agreement signed on 29 November 2021** 'between the Ministry of Science and Innovation and the Consortium for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands, for Spain's participation in the European research infrastructure consortium EMSO-ERIC, dedicated to multidisciplinary European seabed research', signed on 23 December 2024 and published in the Official State Gazette (BOE) on 11 January 2025.
- ~ **Agreement between the University of Las Palmas de Gran Canaria and the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands (PLOCAN) for the accreditation of training programmes, signed on 12 February 2025 and published in the Official State Gazette (BOE) on 24 February 2025.
- ~ **Agreement between the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands **and Exponential Renewables, SL**, for the sponsorship of the organisation's scientific activities, signed on 1 April 2025 and published in the Official State Gazette (BOE) on 7 April 2025.
- ~ **Agreement on legal assistance between the General State Administration (Ministry of the Presidency, Justice and Relations with the Parliaments, State Legal Service) and the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands, signed on 10 June 2025 and published in the Official State Gazette (BOE) on 16 June 2025.
- ~ **Agreement between Fuencaliente de La Palma Town Council and the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands (PLOCAN) to collaborate on scientific outreach, signed on 6 October 2025 and published in the Official State Gazette (BOE) on 15 October 2025.
- ~ **Agreement between the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands (PLOCAN) **and the Canary Islands University Foundation of Las Palmas** for the implementation of the Diginnova programme, subsidised by the Regional Ministry of Universities, Science, Innovation and Culture, ACIISI and co-financed by the European Social Fund Plus (ESF+), signed on 16 December 2025 and published in the Official State Gazette (BOE) on 3 January 2026.
- ~ **Agreement between the State Meteorological Agency, the Consortium** for the Design, Construction, Equipping and Operation of the Oceanic Platform of the Canary Islands, the University of Las Palmas de Gran Canaria **and the State Agency for the Higher Council for Scientific Research, M.P.**, through the Spanish Institute of Oceanography, for the integration of the European Oceanic Time Series Station, Canary Islands (ESTOC) into the European research infrastructure Integrated Carbon Observation System (ICOS), signed on 24 November 2025 and published in the Official State Gazette (BOE) on 9 January 2026.

In June, PLOCAN took part in the CANASAR 2025 exercise, a simulated air accident drill coordinated by the Canary Islands Aeronautical Rescue Coordination Centre (ARCC) of the Spanish Air and Space Force. The exercise took place south of the island of Gran Canaria and involved the simulation of two incidents: the first, an air accident at sea some 80 kilometres south of the island; and the second, on land. This activity is carried out within the framework of the agreement signed with the Ministry of Defence.

5.2 Participation in Networks

This year, PLOCAN has joined the Spanish Network of Blue Schools, facilitating the certification of eleven centres in Gran Canaria as 'blue schools'. It has also joined the At Sea Network, participating in its annual general meeting.

In February, PLOCAN staff took part in the fourteenth meeting of the national working group on autonomous vessels, coordinated by the Directorate-General for the Merchant Navy, and in March in the Annual General Assembly of the European Ocean Observation System (EuroGOOS). In December, it took part in the annual meeting of the Spanish Committee of Glider Operators (CEOG).

The networks in which PLOCAN participates, according to its area of activity, are as follows:

ENERGY

- ~ **EERA (European Energy Research Alliance) association**. The largest European research community on low-carbon energy, a key component of the European Strategic Energy Technology Plan.
- ~ **EERA JPWind (Joint Programme Wind)**. A joint programme for research and innovation in wind energy in Europe.
- ~ **Spanish Association for Standardisation and Certification (AENOR)**. An organisation dedicated to standardisation and certification in the industrial and service sectors.
- ~ **APPA Marina Association of Renewable Energy Producers**. Brings together companies and institutions in the marine energy sector.
- ~ **Ocean Energy Systems**. An initiative of the International Energy Agency to promote ocean energy.
- ~ **MARTECH**. An international forum for the development of ocean energy technologies.
- ~ **European Technology and Innovation Platform for Ocean Energy (TP Ocean)**. A European platform for defining technological development strategies in ocean energy.
- ~ **Spanish Technology Platform for Hydrogen and Fuel Cells (PTE-HPC)**. An initiative to facilitate the use of hydrogen- and fuel-cell-based systems.
- ~ **Ocean Energy Europe (OEE)**. A European association dedicated to boosting the ocean energy sector.
- ~ **European Technology and Innovation Platform for Ocean Energy (ETIP Ocean)**. A platform of marine energy experts for sharing knowledge and solutions.
- ~ **REMAR Network**. A network for the integration of ocean energy into Ibero-American electricity grids.
- ~ **BEPA**. A European partnership bringing together organisations focused on the development of batteries for electric vehicles and energy storage.
- ~ **Hydrogen Europe Research (HER)**. A European association for the development of the hydrogen economy.
- ~ **WindEurope**. A European association promoting wind energy.
- ~ **AEE (Wind Energy Business Association)**. Represents the wind energy sector in Spain.

MARINE OBSERVATION AND ROBOTICS

- ~ **EMSO-ERIC**. European network of observatories monitoring the ocean floor and water column.
- ~ **EMODnet**. European network for marine environmental data and information. PLOCAN supplied oceanographic data to the network during this financial year.
- ~ **EuroGOOS**. European association dedicated to operational oceanography.
- ~ **Spanish Committee for Oceanographic Observation (CEOO)**. National committee of Spanish oceanographic observation institutions.
- ~ **EGO Ocean Gliders**. International community of ocean glider users.
- ~ **Spanish Maritime Technology Platform (PTME)**. A forum for public and private stakeholders in the maritime sector.
- ~ **Joint European Research Infrastructure for coastal Observatory (JERICO-RI)**. A European infrastructure for multidisciplinary coastal research. PLOCAN leads the technological innovation working group.
- ~ **National Working Group on Unmanned Navigation**. A national forum to establish a network for unmanned navigation.
- ~ **AARC (Atlantic Autonomous Robotics Consortium)**. Network to promote collaboration in marine, underwater and aerial robotics.
- ~ **Scientific Ocean Vehicle Alliance (SOVA)**. An international network of users and developers of ocean vehicles.
- ~ **Spanish Committee of Glider Operators**. National forum coordinated by PLOCAN for operators of glider technologies.

BLUE ECONOMY

- ~ **Canary Islands Maritime Cluster**. Regional association to boost the marine and maritime sector in the Canary Islands.
- ~ **Blue Tech Cluster Alliance**. A global network of marine and maritime industrial clusters.
- ~ **Macaronesian Marine-Maritime Alliance**. An association of public and private organisations from the Azores, Madeira, Cape Verde and the Canary Islands.
- ~ **Atlantic Interactions - AIR Centre**. An international collaborative network addressing global challenges in the Atlantic.
- ~ **OECD Working Group on “Fostering Innovation in the Ocean Economy”**. OECD cooperation. Forum for innovation in the ocean economy.
- ~ **CIDIHUB**. Digital innovation hub for Canarian SMEs.
- ~ **EC sub-group “Ports as Hubs for a Sustainable Blue Economy”**. DG Mare working group to promote ports as centres for a sustainable blue economy.
- ~ **Spanish Network of Blue Schools**. Brings together a group of organisations specialising in blue education that support schools in obtaining accreditation as European Blue Schools.

OUTREACH AND COLLABORATION BETWEEN ORGANISATIONS

- ~ **UCC Network**. FECyT’s Network of Scientific Culture Units.
- ~ **EURAXESS**. European network for researcher mobility. PLOCAN is a EURAXESS centre.
- ~ **MCAA**. Marie Curie Alumni Association, a European network of researchers.
- ~ **YERUN**. Young European Research Universities Network.
- ~ **At Sea Network**. Its aim is to strengthen marine education in the Atlantic region.

BIODIVERSITY AND OCEAN RESTORATION

- ~ **EU Blue Parks Community**. An EU initiative for science-based solutions in marine protected areas. PLOCAN took part in the EU BlueParks Workshop in Brussels.
- ~ **Ad hoc working group on biodiversity and marine conservation – POEM**. A group coordinated by the Sub-Directorate-General for Marine Protection to integrate the ecosystem approach into the POEMs. PLOCAN took part in the group’s inaugural meeting.

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- ~ A Romero-Filgueira, M.J. Pérez-Molina, J.A. Carta, and P. Cabrera. Decarbonising an Offshore Microgrid with Green Hydrogen: The PLOCAN case study driven by the H2VERDE Project. 23rd International Conference on Renewable Energies and Power Quality (ICREPQ'25), Tenerife (Spain), 25–27 June 2025. ISBN-13: 978-84-09-66511-2.

- ~ Carlos Barrera, Anna Rubio, Benjamín Casas, Raquel Somavilla, Ángel R. Santana. Spanish Committee of Ocean-Glider Operators (CEOG). MARTECH 2025. The 12th International Workshop on Marine Technology, 28–29 May, Donibane Kulturunea (Pasaia, Gipuzkoa). <https://upcommons.upc.edu/server/api/core/bitstreams/91b5f328-7fe1-4f23-abe8-c2280a5372d9/content>
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5.4 Training

Throughout 2025, PLOCAN has implemented a plan to promote scientific culture and careers in technology, which has enabled it to reach a total of 4,352 pupils and 286 teachers from 124 schools across the Canary Islands. These activities have been carried out through:

- ~ **The EDUROVs educational programme** (marine robotics in primary and secondary schools, and H2VERDE in secondary schools) across all the islands, comprising pupil visits, teacher training, monitoring and support for projects in schools, and a final meeting.
- ~ **The DELTA project** featuring educational activities on the island of La Palma.
- ~ **The EDUSEN** (marine sensors) **and EDUBLUE** (blue emissions and sounds) **projects** on the island of Gran Canaria, featuring visits to schools, a junior marine conference and final meetings.

The 15th edition of the Autonomous Marine Glider School (Glider School) was held at PLOCAN's headquarters at the end of October. It took place with the support of the AQUARIUS-RI project, and with the participation of students from France, Brazil, the United States, China, the United Kingdom, New Zealand, Germany, Italy, the Netherlands and Spain. The teaching staff comprised technicians from the world's leading manufacturers, as well as leading manufacturers of the subsystems incorporated into these observation platforms.

The training programme included both theoretical and practical sessions, held in the laboratory and in the open waters off Gran Canaria, an update on the state of the art, and an international perspective on users and applications. It also highlighted the Glider School's contribution through the training of students from all five continents; with this 15th edition, the total number of trained pilots reached 250, representing 36 countries across the five continents.

The H2VERDE project developed a free online training programme with the aim of promoting knowledge and research into renewable hydrogen and its value chain, and training professionals in a sector that is strategic for the region's sustainable energy future. The programme was accredited by the University of Las Palmas de Gran Canaria and involved the participation of 20 lecturers.

PLOCAN staff took part in 19 training courses, some of which were held at PLOCAN's headquarters.

5.5 Communication and Outreach

Impact on social media:

- ~ **Posts published:** 1,575
- ~ **LinkedIn:** 11,600 followers / 266,051 impressions
- ~ **Facebook:** 6,850 followers / 149,497 impressions
- ~ **X (Twitter):** 3,162 followers / 43,606 impressions
- ~ **Instagram:** 2,500 followers / 122,265 impressions
- ~ **Videos published on YouTube:** 25
- ~ **News articles published on the website:** 89

Throughout the year, press releases and information on PLOCAN's activities were distributed to the media, generating significant coverage.

PLOCAN has been represented at a wide variety of events, including:

- ~ **Ecoislas 2025 International Forum**
- ~ **Subsea Expo 2025**
- ~ **European Ocean Days**
- ~ **EMSO Strategic Workshop 2025**
- ~ **Undersea Defence Technology 2025**
- ~ **Ocean Business 2025**
- ~ **MARTECH 2025**
- ~ **All Atlantic Forum**
- ~ **Underwater Intervention**

The PLOCAN headquarters has hosted various events, some of which were held as part of projects, including:

- ~ **PORTS 4.0 Conference**
- ~ **Annual meeting of the SHY project**
- ~ **Global meeting of wildlife health experts**

In addition, PLOCAN's headquarters has hosted numerous visitors, including:

- ~ **Visit by the Vice-President of the Canary Islands Government**
- ~ **Visit by the Secretary of State for Science, Innovation and Universities, Juan Cruz Cigudosa**
- ~ **Visit by the Canary Islands Naval Command**
- ~ **Visit by the Regional Minister for Territorial Policy, Territorial Cohesion and Water of the Canary Islands Government**
- ~ **Visit by the Regional Ministry of Industry, Energy and Mines of the Regional Government of Andalusia**
- ~ **Visit by the Directorate-General for Coasts of the Canary Islands Government**
- ~ **Visit by Canarian parliamentarians**

In January, PLOCAN opened its facilities to final-year students from the ULPGC, giving them an insight into its activities.

In September, PLOCAN organised the 'Science and AI' conference, open to the public, featuring two experts who presented the latest trends in artificial intelligence, illustrating its use with practical examples in both general and scientific contexts.

Furthermore, throughout the year, PLOCAN has taken part in various forums aimed at promoting scientific culture and careers in science and technology:

- ~ **Women and Girls in Science Day** in January, during which a female scientist gave a talk to pupils at a school in the municipality of Telde
- ~ **Macaronight 2025** in September, held at the Elder Museum of Science and Technology, featuring four activities for schoolchildren.
- ~ **The 'Insula 2025' Science Outreach Festival** in November, featuring a discussion between the director of PLOCAN and a journalist, entitled 'Atlantis 2050: the future underwater', aimed at secondary school pupils.
- ~ **Canary Islands Science and Innovation Weeks 2025**, taking place over two weeks in November, featuring open-day activities at the Taliarte headquarters and travelling outreach events at schools across Gran Canaria.
- ~ **ULPGC Careers Fair** in November, featuring an information stand to raise awareness of PLOCAN's job and work placement opportunities amongst university students.
- ~ **The Gran Canaria Climate and Sustainable Energy Fair** in December, at which the EDUROVs project showcased its green hydrogen generation workshop; the fair served as the grand finale to the annual edition of the "Covenant of Mayors for Climate and Energy" programme.

This year, PLOCAN joined the Pact for the Dissemination of Science and Innovation in the Canary Islands, promoted by the Canary Islands Government's Department of Universities, Science, Innovation and Culture, with the aim of establishing a stable framework for collaboration that strengthens the scientific culture across the archipelago.

Detailed information on the main activities carried out by PLOCAN is available on the PLOCAN website (www.plocan.eu).

06

Annexes

Annex 1. Research lines

RESEARCH AREA	OBJECTIVE	CHALLENGE	VALUE CREATION STRATEGY
LIN-OR Ocean Observation and Marine Environmental Restoration	Multidisciplinary ocean observation to address the Blue Economy and the mitigation of global change.	Innovating in observation technologies to generate high-resolution data and support informed decision-making.	Developing synergistic technologies in ocean observation that consolidate PLOCAN's position as a leading coastal and oceanic reference, improving instrumentation, data quality and international collaboration. Without a permanent staff, cross-fertilisation with the local community is limited and knowledge transfer within the Quintuple Helix is reduced.
LIN-REN Innovation and Sustainability of Renewable Marine Resources	Sustainable use and responsible management of renewable marine resources (energy, food, water), with an emphasis on circularity and ecosystem resilience.	Developing and implementing innovative, efficient and sustainable technologies to utilise, mitigate impacts and regenerate ecosystems.	Fostering synergistic development with cutting-edge technologies in renewable marine resources, consolidating PLOCAN as a centre of excellence and attracting talent, investment and international collaborations. The key is to harness the knowledge derived from rapid technological progress.
LIN-RES Responsible and Participatory Management of Marine Ecosystems	Designing participatory and innovative approaches to responsible management for the collaborative management of marine ecosystems, integrating ethics, citizenship and education.	Designing holistic and responsible management models that involve stakeholders in the search for sustainable solutions.	Exploring cutting-edge technologies aimed at the management of marine ecosystems, highlighting PLOCAN as a leader in adaptive and sustainable ocean management. In-house staff act as a catalyst for knowledge transfer between projects and the wider community.
LIN-DAT Data Science and Emerging Technologies for Marine Research	Managing and analysing marine data using AI, machine learning and new technologies, thereby democratising access to ocean information.	Expanding data infrastructure and services to generate knowledge and promote innovation, driving the transformation of marine research.	Integrating cutting-edge technologies in data science, consolidating PLOCAN's position as a benchmark in marine data analysis and emerging technologies, and attracting investment, talent and international projects. It is crucial to retain and apply knowledge locally in this rapidly evolving field.
LIN-ROB Marine Robotics and Autonomous Systems	Developing and deploying autonomous vehicles and systems for exploration, monitoring and intervention in marine environments.	Innovating in the design and operation of autonomous vehicles with robust and adaptive performance in complex oceanic conditions.	Developing cutting-edge technologies in marine robotics, positioning PLOCAN as a test centre and hub for technology transfer for autonomous systems, attracting investment and international projects. The pace of innovation requires staff dedicated to capturing and applying knowledge.

Annex 2. Access to Infrastructure

ACCESS TO ESSENTIAL FACILITIES

NAME OF ACCESS	TYPE OF ORGANISATION	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-ESTEYCO FTW 2018	Company	Test site	On demand	In progress	Installation and validation of an offshore power generation prototype in a real-world environment.
ACC-WAVEPISTON W2EW 2020	Company	Test site	Competitive MARHIS ACCESS 4/2023 Fall Access	In progress	Integrated solution testing for the utilisation of wave energy aimed at the sustainable generation of electricity and fresh water.
ACC-GLOBAL OTEC PLOTEC 2022	Company	Test site	On demand	In progress	Demonstration of an innovative cylindrical ocean thermal energy conversion (OTEC) platform capable of withstanding the extreme weather conditions of tropical oceans, with an economically viable cost model.
ACC-ENEROCEAN AQUAWIND 2023	Company	Test site	On demand	In progress	Installation and validation of an offshore power generation prototype incorporating an innovative aquaculture solution.
ACC-SUBSEA MECHATRONICS E-PROA 2023	Company	Test site	Competitive MARHIS ACCESS 3/2023 Summer Access	Completed	Conducting sea trials with a large-scale subsea system as part of the e-PROA project, aimed at developing solutions for the control and maintenance of offshore infrastructure, including the verification of the detection of subsea cables and other systems installed on the seabed.
ACC-ENEROCEAN BE HARSHMOP 2023	Company	Test site	On demand	Completed	Temporary installation of the W2POWER system for an estimated period of between three and five months to validate new systems and test their wireless and remote communication capabilities.
ACC-ENEROCEAN OPTIMAR BDE 2025	Company	Test site	On demand	Completed	A project aimed at optimising the operation and maintenance, as well as the annual energy output, of offshore wind farms through non-intrusive monitoring and the development of artificial intelligence-based algorithms to extend the service life of the assets.

ACCESS TO NON-ESSENTIAL FACILITIES

ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-CENER AIR 2023	Research centre	Observatory	On demand	In progress	Research into the impact of real-world weather conditions on wind farms, collecting data from experimental and commercial sites, and developing validated tools and models.
ACC-ESTEYCO WHEEL DATA 2023	Company	Observatory	On demand	In progress	Collection and analysis of wind data obtained via LiDAR for the performance assessment of a future offshore wind turbine prototype.
ACC-GESPLAN CORALES 2023	Research centre	Observatory	On demand	In progress	Support for monitoring the submerged part of the most recent volcanic eruption on La Palma, monitoring of elasmobranchs in the Canary Islands and characterisation of mesophotic communities on the Canary Islands’ seabed, including the identification of their main pressures and threats.
ACC-WAVEPISTON WMI 2023	Company	Observatory	On demand	In progress	Deployment of a wave measurement instrument to accurately characterise the energy resource at the proposed site, given the discrepancies detected between the data from the nearest buoy and the actual conditions at the wave energy converter installation site.
ACC-GESPLAN CORALES 2 2023	Research centre	Observatory	On demand	In progress	Use of material and data within the framework of various projects aimed at monitoring the underwater eruption off La Palma, monitoring elasmobranchs and characterising mesophotic communities, as well as assessing the pressures and threats they face.
ACC-Enerocean HarshMoP BOYA 2024	Company	Observatory	On demand	In progress	Design and implementation of a monitoring system that integrates the monitoring of corrosion and turbine performance, combining this data with physico-chemical parameters of the marine environment and meteorological and oceanographic variables.
ACC-GESPLAN DELTA 2025	Research centre	Observatory	On demand	In progress	Collection of underwater audiovisual material to document the marine biodiversity of the Canary Islands for scientific and educational purposes, contributing to knowledge, awareness and the conservation of the archipelago’s marine ecosystems.
ACC-AquaWind DATA BUOY 2025	Company	Observatory	On demand	In progress	Access to data recorded by the oceanographic buoy for analysis and use within the framework of the AquaWind project.

ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-WavEC AquaWind Data 2024	Company	Observatory	On demand	Completed	Access to environmental data to characterise conditions at the PLOCAN test site, including underwater noise, water quality and sediment quality, in order to assess potential environmental impacts following the installation of the MUP.
ACC-IEO HF RADAR 2024	Research centre	Observatory	On demand	Completed	Validation of ocean currents through the comparison and analysis of data obtained from high-frequency (HF) radar.
ACC-Neodyne H2HEAT 2025	Company	Observatory	On demand	Completed	Assessment of available wind resources and calculation of the theoretical equivalent operating hours of the Elican turbine.
ACC-blueOASIS PHAROS DATA 2025	Company	Observatory	On demand	Completed	Development of an optimised monitoring system using camera and hydrophone deployment strategies tailored to each site, with the aim of improving data collection for the monitoring of marine species.
ACC-ULPGC PATHS 2025	University	Observatory	On demand	Completed	A study of the driving mechanisms of sub-mesoscale coastal processes and their influence on the transport and accumulation of microplastics, using spatially high-resolution data provided by HF radar.
ACC-ULPGC PORTS 4.0 2025	University	Observatory	On demand	Completed	Use of a PTZ camera installed on the ocean platform and integrated into the QAISC Dashboard to carry out a comparative experiment between wave data from the Triaxis buoy and the results of semantic segmentation models applied to videos of the breaking waves.
ACC-UNED SALINITY DATA 2025	University	Observatory	On demand	Completed	Collaboration with the Lanzarote Geopark and the Chinijo Archipelago to compare salinity data obtained from inside Jameos del Agua with that recorded on the sea surface near Lanzarote.
ACC-IAC LIGHT POLLUTION 2020	Research centre	Offshore platform	On demand	In progress	Access to the ocean platform and the ESTOC buoy for the installation of SG-WAS photometers, intended for the measurement and characterisation of light pollution off the coast of Gran Canaria.

ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-ICM AERONET 2021	Research centre	Offshore platform	On demand	In progress	Establishment of an AERONET-OC site on the PLOCAN offshore platform for the monitoring of atmospheric and oceanic parameters using standardised instrumentation.
ACC-ULL BOTMAR 1 2025	University	Onshore facilities	On demand	Completed	Conducting scientific sampling to study biological communities, including the collection of samples and experimental substrates, with the aim of analysing the sub-tidal and intertidal communities in the lava deltas formed by the eruption of the Tajogaite volcano on La Palma.
ACC-GDYNIA PURE WIND ONSHORE 2025	University	Onshore facilities	On demand	Completed	Activities carried out as part of the PURE WIND project, focusing on the study of the impact of noise generated by offshore wind farms on marine ecosystems, addressing the potential acoustic effects associated with the different phases of the offshore wind farm life cycle.
ACC-BEA-ULPGC AGUA ESTOC 2025	University	Onshore facilities	On demand	Completed	Supply of seawater for the preparation of F2 and L1 culture media for the maintenance of marine strains in the BEA collection.
ACC-FMI VLIZ ONSHORE 2025	Research centre	Onshore facilities	On demand	Completed	Tests for the integration of a prototype sensor into a SeaExplorer glider, including deep-water trials as a preliminary step towards preparing full-scale monitoring campaigns.
ACC-CEIP JEDEY ONSHORE 2025	Research centre	Onshore facilities	On demand	Ejecutado	A scientific outreach and environmental education project based on a photographic exhibition aimed at raising awareness of ecosystem conservation, showcasing the species that colonise lava deltas, and encouraging the community's active involvement in the preservation of recovering natural habitats.
ACC-ITER PERSEO ONSHORE 2025	Research centre	Onshore facilities	On demand	Ejecutado	Support for monitoring the Autonomous Solar Platform and detecting pollutants in the marine ecosystem
ACC-MANTA ONSHORE 2025	Company	Onshore facilities	On demand	Ejecutado	Request for the use of a forklift truck to carry out logistics operations at the Port of Taliarte, relating to preparations prior to the commissioning of the Test site.

ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-CEO Barlovento Algas 2025	Research centre	Onshore facilities	On demand	Completed	Algae cultivation for educational and science promotion purposes, fostering knowledge of the marine environment and its biotechnological applications.
ACC-IFPA Los Llanos de Aridane Onshore 2025	Research centre	Onshore facilities	On demand	Completed	Development of training activities related to seaweed cultivation, focused on scientific and environmental education.
ACC-IES José María Pérez Pulido Algae 2025	Research centre	Onshore facilities	On demand	Completed	Development of training activities related to seaweed cultivation, focused on scientific and environmental education.
ACC-ULPGC HPLC 2021	University	Onshore facilities	On demand	In progress	Use of a high-performance liquid chromatography (HPLC) system for carrying out chemical analyses as part of research activities.
ACC-GEOMAR Test-ArtUp meso-cosm 2023	Research centre	Onshore facilities	On demand	In progress	Research focusing on the study of the impact of global warming on ocean stratification and marine productivity, assessing the potential of artificial upwelling as a mechanism for transporting nutrients to the illuminated surface layer.
ACC-SSM E-PROA 2 2023	Company	Onshore facilities	On demand	In progress	Collaboration on the e-PROA project through the design of the Dugongo towed submersible, equipped with a metal detection system for locating objects buried beneath the seabed, such as cables or unexploded ordnance, thereby contributing to the safety and maintenance of offshore infrastructure.
ACC-ULPGC Agilent 2024 GC-MS	University	Onshore facilities	On demand	In progress	Determination of plastic-derived migrants in the tissues of cetaceans stranded in the Canary Islands using gas chromatography coupled with mass spectrometry (GC-MS).
ACC-ULPGC VARIAN 2024 HPLC	University	Onshore facilities	On demand	In progress	Development and optimisation of analytical methods for the quantitative determination of phthalates and other compounds present in plastic materials.
ACC-LEITAT ILIAD 2024	Research centre	Onshore facilities	On demand	In progress	Development of a microplastics sensor as part of the ILIAD project, based on optical systems and artificial intelligence, with the aim of quantifying microplastics in seawater and assessing the device's viability through its continuous use with real samples at PLOCAN.

ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-GobCan REDPROMAR 2024	Research centre	Onshore facilities	On demand	In progress	Use of a container located at the PLOCAN onshore base in Gran Canaria by the Canary Islands Government's Marine Environment Observer Network.
ACC-IES ANTONIO CABRERA PEREZ ONSHORE 2024	Research centre	Onshore facilities	On demand	In progress	Use of facilities for educational activities linked to the scientific and technical training of pupils at IES Antonio Cabrera Pérez.
ACC-ULPGC MPA ONSHORE 2024	University	Onshore facilities	On demand	In progress	A programme focused on the management and protection of marine protected areas in the Canary Islands, addressing challenges associated with marine conservation, climate change and human activities, and strengthening the resilience of ecosystems.
ACC-ULPGC ACS 2025	University	Onshore facilities	On demand	In progress	Installation of an atmospheric corrosion test facility at PLOCAN's premises to assess the behaviour of new metallic and non-metallic materials under real marine conditions.
ACC-CFGS AQUACULTURE CLASSROOM 2025	Research centre	Onshore facilities	On demand	In progress	Use of a classroom at PLOCAN to deliver theoretical lessons for the CFGS in Aquaculture when students are at the Science and Technology Park, facilitating the integration of theoretical and practical training and promoting R&D&I activities within the educational sphere.
ACC-OPTIMAR HARSHLAB 2025	Company	Onshore facilities	On demand	In progress	A project focused on floating offshore wind power, aimed at improving the operation, maintenance and grid integration of offshore wind farms through non-intrusive monitoring, predictive algorithms and secure data management based on artificial intelligence, validating the solutions under real marine conditions.
ACC-ULPGC Agilent 2025 GC-MS	University	Onshore facilities	On demand	In progress	To optimise the analytical conditions of the Agilent GC-MS system for the identification and quantification of trace organic compounds associated with plastics in marine environmental matrices.
ACC-IOCAG-ULPGC GLICARO 2025	University	VIMAS	Competitive ACCESS 2/2024 – Essential infrastructure: Second half of 2024	Completed	Monitoring of particle fluxes in the Canary Islands using a UVP6 system installed on a SeaExplorer glider, as part of the FLUCARO project, with the aim of characterising biogeochemical processes in the marine environment.

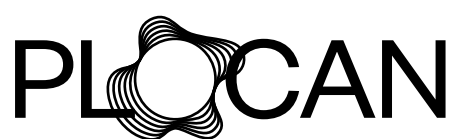
ACCESS POINT NAME	TYPE OF ENTITY	FACILITY	TYPE	STATUS	DESCRIPTION
ACC-MARUM MISSION ATLANTIC 7 2024	Research centre	VIMAS	On demand	Completed	A project within the MISSION ATLANTIC framework that adopts a holistic and integrated approach to assessing the state of the Atlantic Ocean, considering human-induced pressures, environmental variability and natural risks collectively, and linking them to the various components of the ecosystem to guide research activities.
ACC-DTU MISSION ATLANTIC 2024	University	VIMAS	Competitive ACCESS 2/2024 – Key facilities: Second Semester 2024	Completed	Integration, testing and deployment of a waveglider equipped with an acoustic payload to carry out environmental monitoring transects between Gran Canaria and Cape Verde, as part of the European H2020 MISSION ATLANTIC project, within Work Package WP3 with the participation of PLOCAN.
ACC-GMU PURE WIND 3 2024	University	VIMAS	Competitive ACCESS 2/2024 – Key facilities: Second Semester 2024	Completed	Work carried out at PLOCAN's facilities as part of the PURE Wind project, aimed at characterising the acoustic energy emitted by fixed and floating offshore wind farms, defining appropriate metrics and modelling sound propagation to assess radiated noise and the cumulative effects of multiple wind farms.
ACC-ITER PERSEO VIMAS 2025	Research centre	VIMAS	On demand	Completed	Development of an autonomous, solar-powered aerial platform for monitoring the marine environment, based on the acquisition of multispectral and thermal data and imagery, and their processing using artificial intelligence techniques to detect pollutants, including hydrocarbons and organic discharges of human and animal origin.
ACC-UTEK VIMAS 2025	Company	VIMAS	On demand	Completed	Participation in the multinational exercise DYNAMIC MESSENGER 25, organised by NATO, aimed at integrating traditional naval platforms with unmanned systems (USVs, UUVs and UAVs) in surveillance, defence and support operations, contributing proprietary technology for the control and coordinated operation of USVs.

Annex 3. Complete List of Projects

PROJECT	PLOCAN FUNDING	No. of PARTNERS	PROJECT TYPE	PLOCAN'S ROLE
ATLAS	€558,517.50	10	European	Leader
H2HEAT	€4,290,000.00	11	European	Leader
OPUS	€171,062.50	18	European	Leader
PHAROS	€2,783,125.00	24	European	Leader
PLOTEC	€263,458.33	7	European	Leader
RED BEAM	€692,098.19	10	European	Leader
SECURE	€177,975.01	17	European	Leader
A3MATLANTIC	€206,550.00	15	European	Partner
ACUICONECTA	€367,436.04	13	European	Partner
AIRE	€197,000.00	10	European	Partner
AMRIT	€99,583.33	18	European	Partner
AOFFTECH	€184,728.75	11	European	Partner
AQUARIUS	€154,793.75	41	European	Partner
AQUAWIND	€133,570.24	9	European	Partner
ATLANTECO	€37,812.50	36	European	Partner
ATLANTIC WHALE DEAL	€457,837.25	13	European	Partner
BIODIVCLIM	€23,925.00	37	European	Partner
BIODIVRESTORE	€11,962.50	36	European	Partner
BLUE SUPPLY CHAIN	€303,244.44	10	European	Partner
BLUEACTION-AA	€236,666.25	8	European	Partner
BLUEMISSIONAA	€159,375.00	15	European	Partner
CIDIHUB	€204,236.25	7	European	Partner
CIRCULAR OCEAN	€139,413.68	13	European	Partner
DESALIFE	€68,694.00	6	European	Partner
DIVE	€58,198.00	8	European	Partner
GEO-INQUIRE	€41,125.00	35	European	Partner
GEORGE	€138,750.00	23	European	Partner
HYPOTHESIS	€296,212.50	9	European	Partner
ILIAD	€107,500.00	56	European	Partner
MAESHA	€70,937.50	21	European	Partner
MARINERGi_PP	€105,937.50	19	European	Partner
MINKE	€168,812.50	22	European	Partner
MISSION ATLANTIC	€174,375.00	33	European	Partner
OCEAN CITIZEN	€895,631.00	21	European	Partner

PROJECT	PLOCAN FUNDING	No. of PARTNERS	PROJECT TYPE	PLOCAN'S ROLE
Ocean-CDR	€0.00	3	European	Partner
OCEAN GARDENS	€0.00	5	European	Partner
OKEANO	€115,625.00	16	European	Partner
PURE WIND	€0.00	10	European	Partner
RESTORE OUR COASTS	€0.00	5	European	Partner
RISEnergy	€145,141.00	17	European	Partner
SATURN	€185,800.00	19	European	Partner
SBEP	€3,150.00	52	European	Partner
SBEP (TopUp)	€4,219.00	0	European	Partner
SECURE2	€148,750.00	18	European	Partner
SEETIP OCEAN	€18,031.00	9	European	Partner
SHY	€199,375.00	10	European	Partner
TRIDENT	€58,352.50	25	European	Partner
UPWELLING	€197,250.02	14	European	Partner
WECHULL+	€0.00	8	European	Partner
WHEEL	€2,538,572.50	12	European	Partner
WINBLUE	€101,599.39	12	European	Partner
AFIE	€2,423,921.78	1	National	Leader
BIC-LA PALMA	€12,000.00	1	National	Leader
BLUE UPGRADE	€1,200,000.00	1	National	Leader
BRAIN2POWER	€345,206.25	3	National	Leader
DATA FOR THE BLUE ECONOMY	€350,000.00	1	National	Leader
DELTA	€4,000,000.00	1	National	Leader
EDUBLUE	€24,860.00	1	National	Leader
EDUBLUE 2025	€24,860.00	1	National	Leader
EDUROV GC 2024	€24,000.00	1	National	Leader
EDUROV GC 2025	€24,000.00	1	National	Leader
EDUSEN	€25,000.00	1	National	Leader
EDUSEN 2025	€25,000.00	1	National	Leader
ELECTROUP	€20,412,500.00	1	National	Leader
H2VERDE	€6,000,000.00	1	National	Leader
IMPACT BLUE	€124,998.00	1	National	Leader
IMPULSA	€193,105.00	1	National	Leader
INNOVATION IN AI SERVICES	€350,000.00	1	National	Leader

PROJECT	PLOCAN FUNDING	No. of PARTNERS	PROJECT TYPE	PLOCAN'S ROLE
PURE WIND (national)	€172,569.00	1	National	Leader
MARINE ROBOTICS	€350,000.00	1	National	Leader
WECHULL+ (national)	€170,610.00	1	National	Leader
CIDIHUB (National)	€118,856.67	7	National	Partner
CACHALOTES COLLISION	€3,000.00	1	National	Partner
CYBERCAN	€77,656.00	12	National	Partner
e-PROA	€27,500.00	3	National	Partner
GYROVAGO	€0.00	10	National	Partner
HARSHMOP	€85,079.00	5	National	Partner
HEALTH-CET	€0.00	3	National	Partner
ICOS-SPAIN	€0.00	7	National	Partner
MAGEHC	€0.00		National	Partner
PERSEO	€96,947.00	4	National	Partner
SEAS	€0.00	5	National	Partner
SIDIS	€0.00	5	National	Partner
SMART COAST 4.0	€66,805.80	2	National	Partner
THINKINAZUL	€222,504.06	5	National	Partner
UBAS	€42,263.07	3	National	Partner



Plataforma Oceánica
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GOBIERNO
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Gobierno
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Infraestructuras
Calidad y Innovación
Singulares