









3. NFP Reports

PORTUGAL João Vitorino – GOOS NFP

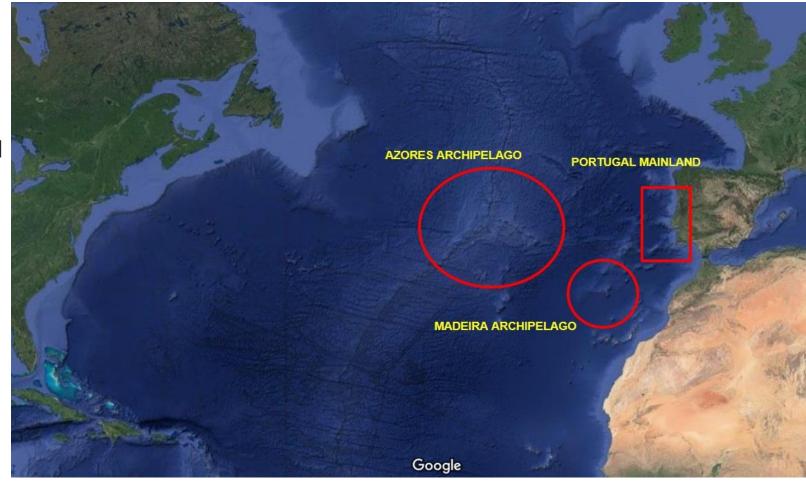


PORTUGAL



RECENTE DEVELOPMENTS ON THE COORDINATION & IMPLEMENTATION OF NATIONAL OCEAN OBSERVING CAPACITIES & ACTIVITES OFFSHORE:

- > THE PORTUGUESE MAINLAND
- > THE AZORES ARCHIPELAGO
- > THE MADEIRA ARCHIPELAGO





NATIONAL COORDINATION ACTIVITIES

1st GOOS/EOOS meeting
(Instituto Hidrográfico - Lisbon, April 23rd 2025)



Participants: 30 in presencial + 25 online, comprising Main Actors in Ocean Observation, Users & Stakeholders

Informing National Community about:

- GOOS and EOOS (2 communications from NFPs)
- ➤ The Working Groups in IOC and GOOS and the National Representation (13 communications from NRs)
- ➤ National Infrastrutures & Capacities (10 communications)

2nd GOOS/EOOS meeting to be held in 2026, probably in Porto Continue the shared view on National Infrastructures

Discuss national priorities and potential for articulation









COMITÉ PORTUGUÉS PARA A COI PORTUGUESE COMMITTEE FOR THE 10 COMITÉ PORTUGAIS POUR LA COI









INVESTMENT AND INFRASTRUCTURE



Argo.PT – National Contribution to Argo Program





Deployment of four (4) Argo floats:

- Two (2) core Argo floats (21JUL2025 & 13OCT2025)
- One (1) Full BGC (13OCT2025)
- One (1) core with DO (13OCT2025)









INVESTMENT AND INFRASTRUCTURE

ipma.pt

Argo.PT





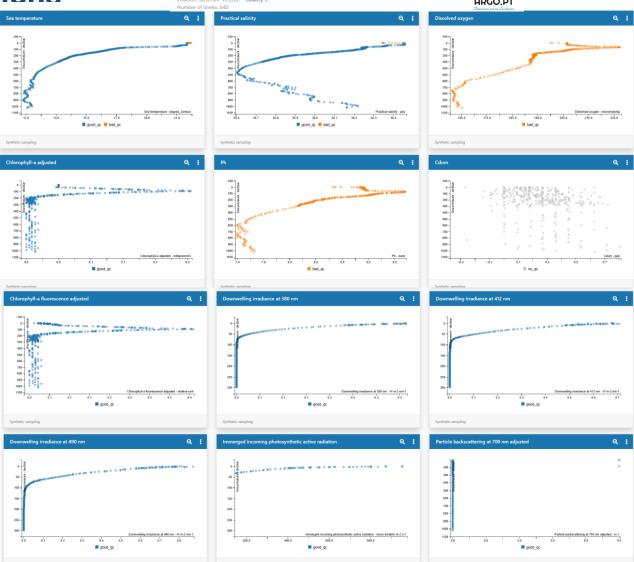


Full BGC (130CT2025)

- CTD_PRES, CTD_TEMP, CTD_CNDC
- OPTODE_DOXY
- RADIOMETER DOWN IRR380, RADIOMETER DOWN IRR412 RADIOMETER DOWN IRR490, RADIOMETER PAR
- FLUOROMETER CHLA
- BACKSCATTERINGMETER BBP700
- FLUOROMETER CDOM
- SPECTROPHOTOMETER NITRATE
- TRANSISTOR_PH









INVESTMENT AND INFRASTRUCTURE

Recent Expansion of National Capacities in Marine Robotic Systems



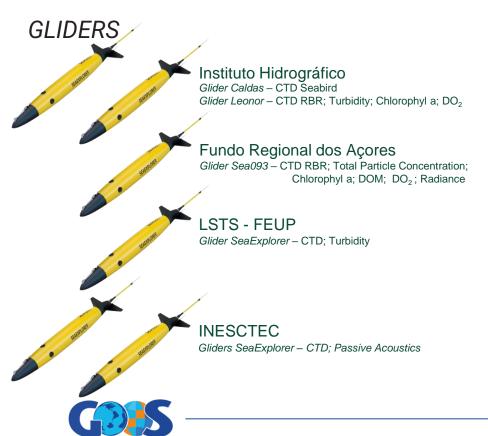
AUVs

LSTS - FEUP LAUV - CTD, Echosounder, Multibeam, Sidescan Sonar





Instituto Hidrográfico GraalTech X300 AUV – RBR CTD; Sidescan Sonar, Video Camera



USVs





Instituto Hidrográfico

Maritime Robotic Otter Pro "Pleione" - Multibeam
CTD winch with AML multiprobe

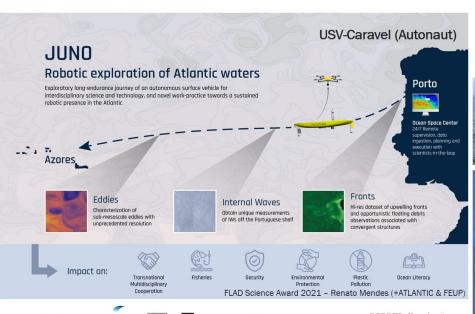


Instituto Hidrográfico
Maritime Robotics Otter X "Atlas" - Multibeam
CTD winch with AML multiprobe

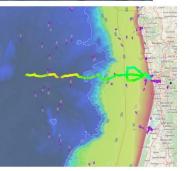


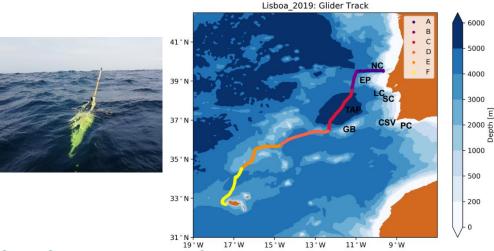
INVESTMENT AND INFRASTRUCTURE

Recent Expansion of National Capacities in Marine Robotic Systems



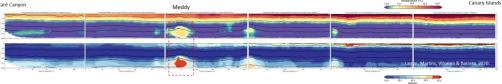






Glider Section W Portugal - Canary Islands Collaboration PLOCAN (Spain) - Instituto Hidrográfico (Portugal)

2019,2020, 2021- support from projeto iFADO (Interreg Atlantic - EAPA_165/2016)



Sharing know-how among the national community



















INVESTMENT AND INFRASTRUCTURE

National Capacities in SMART cables

SMART CABLES

Multipurpose infrastructure (connectivity + science) for societal benefit.

The future Atlantic Azores SMART Ring will be receptive to the use of new wet sensors and of other Optical Fiber Sensing monitoring methods to complement the monitoring.

Societal Benefit:

Climate

Oceans

Earthquakes

Tsunamis

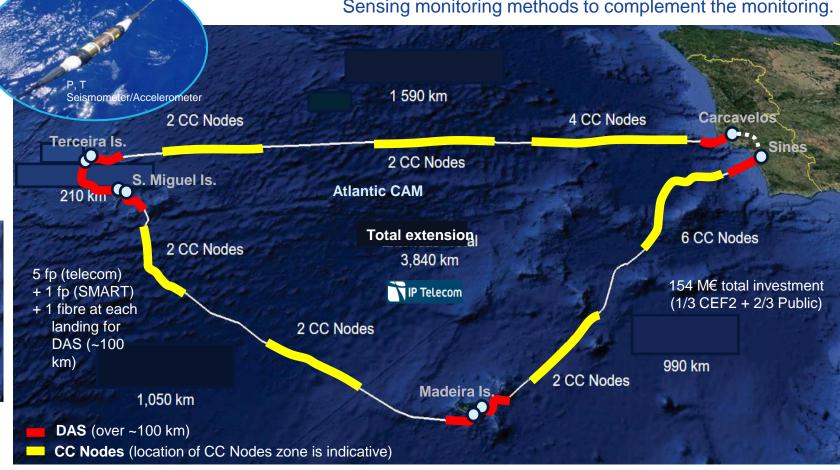


Atlantic CAM

Tamtam



1 100 km ring system for interconnection and for Ocean observation. One additional leg for tests.





DATA MANAGEMENT





NODC-PT

Officially inaugurated on 23 October 2025

Will contribute to:

- strengthening national coordination
- promoting open access to marine data
- > enhancing Portugal's participation in international ocean data networks.





Marine geospatial data infrastructure.



Global network of National Oceanographic Data Centres.



International Oceanographic Data and Information Exchange (IODE) programme



Ensure the management and access to national oceanographic data















DATA MANAGEMENT



NODC-PT



- ✓ Human Activities
- ✓ Bathymetry
- ✓ Marine Biology
- ✓ Marine Geology
- ✓ Oceanography
- ✓ Marine Chemistry

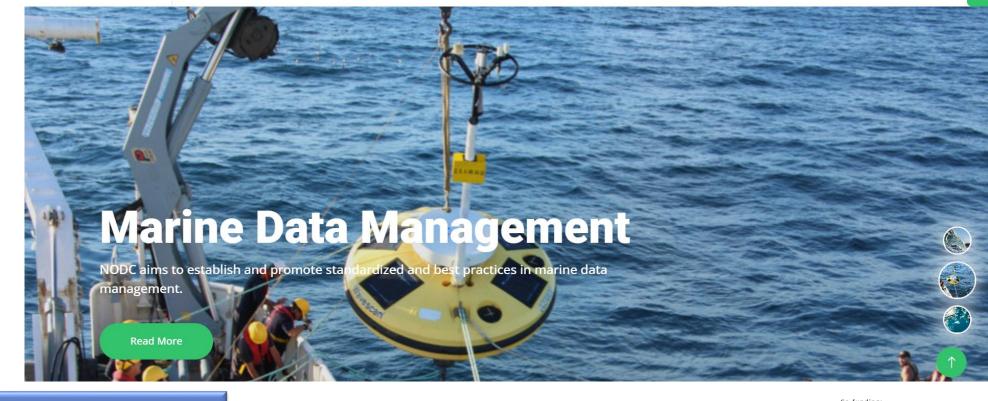




NODC-PT



DATA ACCESS ABOUT DATA THEMES REFERENCES MEMBERS USEFUL LINKS















2. Reflection on the NFP's role

THE EXPERIENCE GATHERED DURING THE 1st GOOS/EOOS MEETING

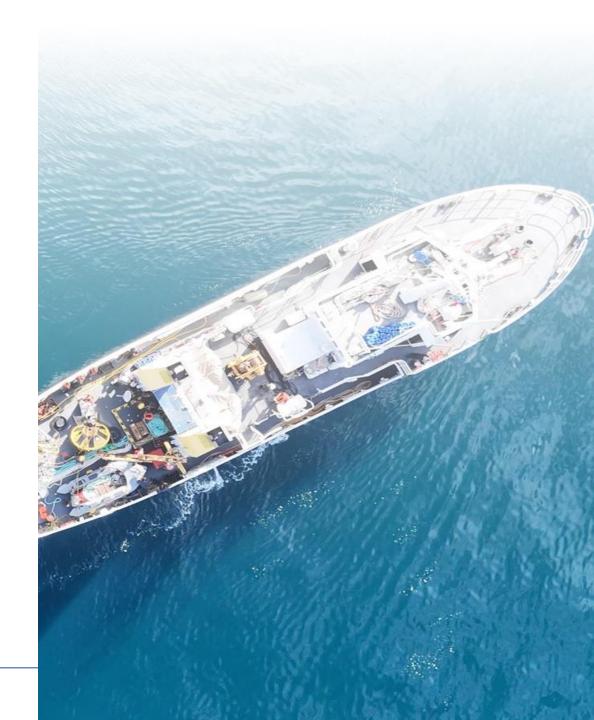
SHOWED THE STRONG INTEREST AND IMPACT OF THIS INITIATIVE AMONG THE NATIONAL COMMUNITY INVOLVED IN OCEAN OBSERVATION

FUTURE EDITIONS OF THE GOOS/EOOS MEETING WILL:

- > EXPAND THE COMMUNITY UNDERSTANDIG ABOUT NATIONAL CAPACITIES AND INFRASTRUCTURES
- > IDENTIFY AND ARTICULATE NATIONAL PRIORITIES
- > BRIDGE THE NATIONAL COMMUNITY WITH GOOS AND EOOS
- > IDENTIFY AND IMPLEMENT SPECIFIC MECHANIMS TO BOOST NATIONAL ARTICULATION

NFPs ACTION WILL BE KEY TO FULFILL THESE OBJETIVES





3. Support Needed

FROM GOOS SECRETARIAT:

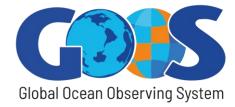
- COMMUNICATION MATERIAL ABOUT GOOS TO BE DISSEMINATED DURING THE GOOS/EOOS MEETINGS
- > SUPPORT IN TRANSLATION TO PORTUGUESE OF COMMUNICATION MATERIAL SPECIFICALLY ADDRESSED TO USERS AND STAKEHOLDERS

EVENTUALLY, FROM OTHER NFPs:

MATERIAL FOCUSSING ON HOW SPECIFIC AREAS IN OCEAN OBSERVATIONS ARE BEING ADDRESSED BY OTHER NATIONS







Thank you

goosocean.org









