



CoLAB

+ATLANTIC**Collaborative Laboratory for the Atlantic**

Affiliates

CEiIA – Centro de Engenharia e Desenvolvimento (CEiIA)
[<https://www.ceiia.com/>]

Deimos Engenharia, S. A (Deimos)
[<https://elecnor-deimos.com/>]

Edisoft - Empresa de Serviços e Desenvolvimento de Software, S. A (Edisoft) [<https://www.edisoft.pt>]

Faculdade de Engenharia da Universidade do Porto (FEUP)
[https://sigarra.up.pt/feup/en/web_page.inicial]

GMVIS SKYSOFT, S. A. (GMV) [<https://www.gmv.com/en>]

Hidromod – Modelação em Engenharia, Lda (Hidromod)
[<https://hidromod.com/>]

Instituto Politécnico de Leiria (IPL) [<https://www.ipleiria.pt/en/>]

Instituto Português do Mar e da Atmosfera (IPMA)
[<https://www.ipma.pt/en/index.html>]

Instituto de Soldadura e Qualidade (ISQ) [<https://isqgroup.com/>]

Instituto Superior Técnico (IST) [<https://tecnico.ulisboa.pt/en/>]

RAEGE Açores - Rede Atlântica de Estações Geodinâmicas e Espaciais (RAEGE Az)
[<https://raege-az.pt/en/>]

TEKEVER ASDS, Lda (Tekever) [<https://www.tekever.com/>]

Wavec / Offshore Renewables - Centro de Energia Offshore (WavEC)
[<https://www.wavec.org/>]

Mission and Challenges

+ATLANTIC is a not-for-profit Portuguese R&D+I organisation that provides knowledge-based products and services related to blue economy, ocean sustainability, marine science, marine ecosystem's health, climate change, ocean literacy, and science communication. Its multidisciplinary team applies numerical modelling, remote sensing, data science, artificial intelligence, and space and ocean technologies to develop such products and services and to partner in national and international projects.

Core Activities

- Support to Blue Economy Sectors
- Ocean and Coastal Zone Monitoring
- Marine Climate Change Impacts
- Ocean Literacy
- Science Communication

Contacts

Nuno Lourenço: Email: info@colabatlantic.com;

Site: www.colabatlantic.com

Twitter and LinkedIn: [@colabatlantic](https://twitter.com/colabatlantic);

YOUTUBE: www.youtube.com/channel/UCCs0sdnhFDB0FJizPILDMaw

Contribution to the All-Atlantic Ocean Research and Innovation Alliance

Relevant thematic area



Relevant tools and activities for collaborative research and innovation

- Numerical modelling: digital twin of the ocean
- Remote sensing: shoreline evolution and marine heat waves
- Machine learning: bathymetry and local exposure to natural hazards
- Computer vision: 3D Earth surface mapping and aquaculture optimisation