Sea operations and feedback from the Portuguese ZEE real time monitoring observatory



Inês Martins marina.martins@hidrográfico.pt

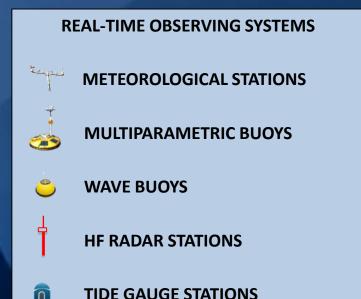


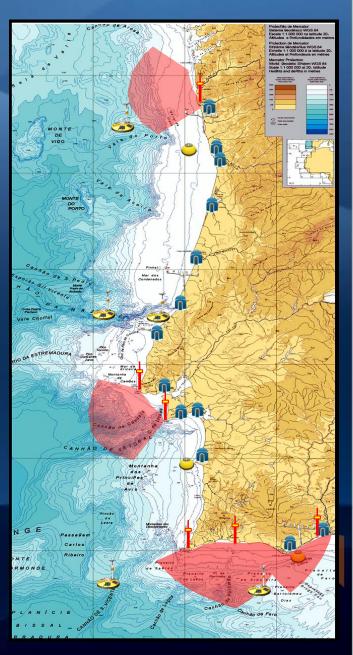
Real-time monitoring infrastructure for the Portuguese EEZ



Contribution to national response to the Marine Strategy Framework Directive

Global monitoring and operational forecasting of the conditions affecting the Portuguese continental margin







Tests and expansion

CONTAMINANT MONITORING



NIVA, RECETOX

SEAWEED DEVELOPMENT EXPERIMENTS



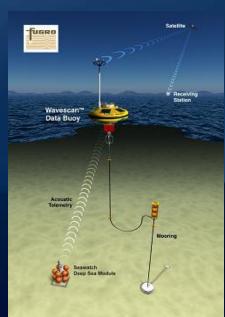
Seaweed Energy Solutions
Porto University

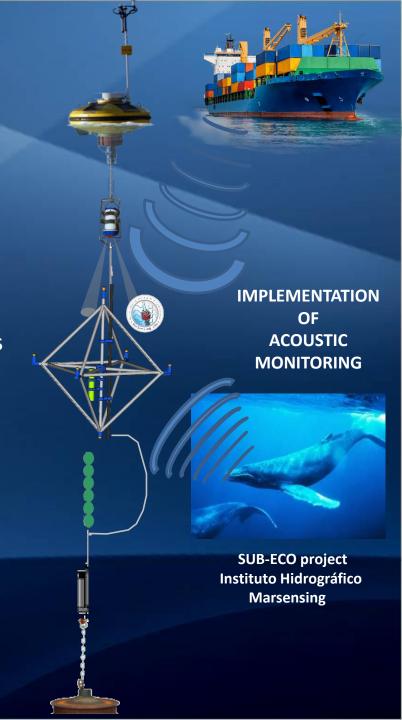
COLONISATION EXPERIMENTS



CESAM – Aveiro University

NEAR-BOTTOM REAL-TIME MEASUREMENTS (NEAR FUTURE)





Deployments
Maintenances
and
Recoveries





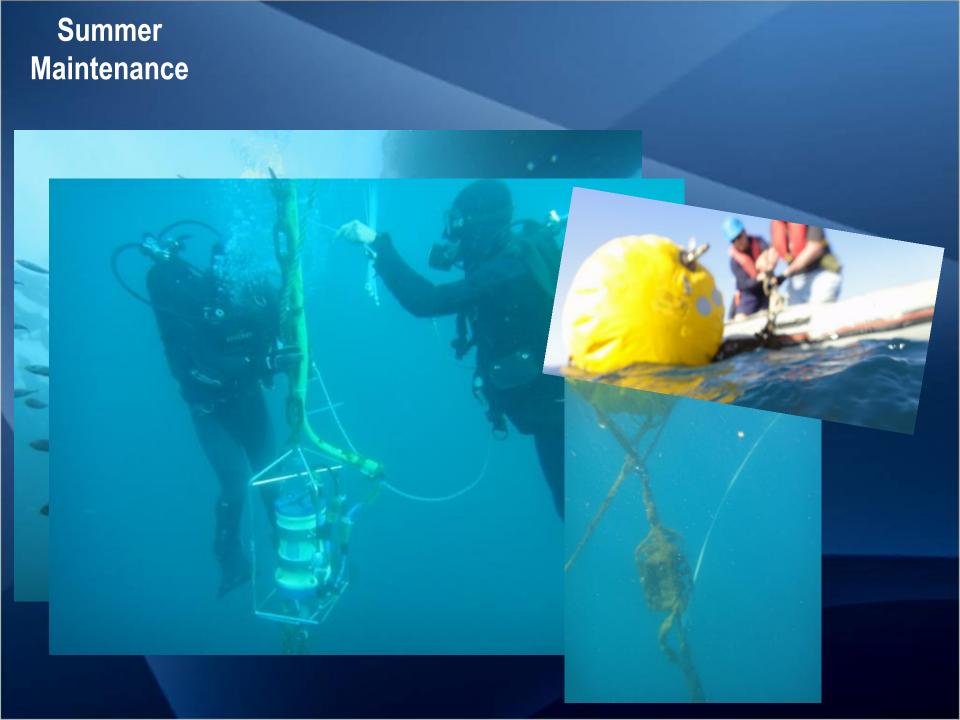




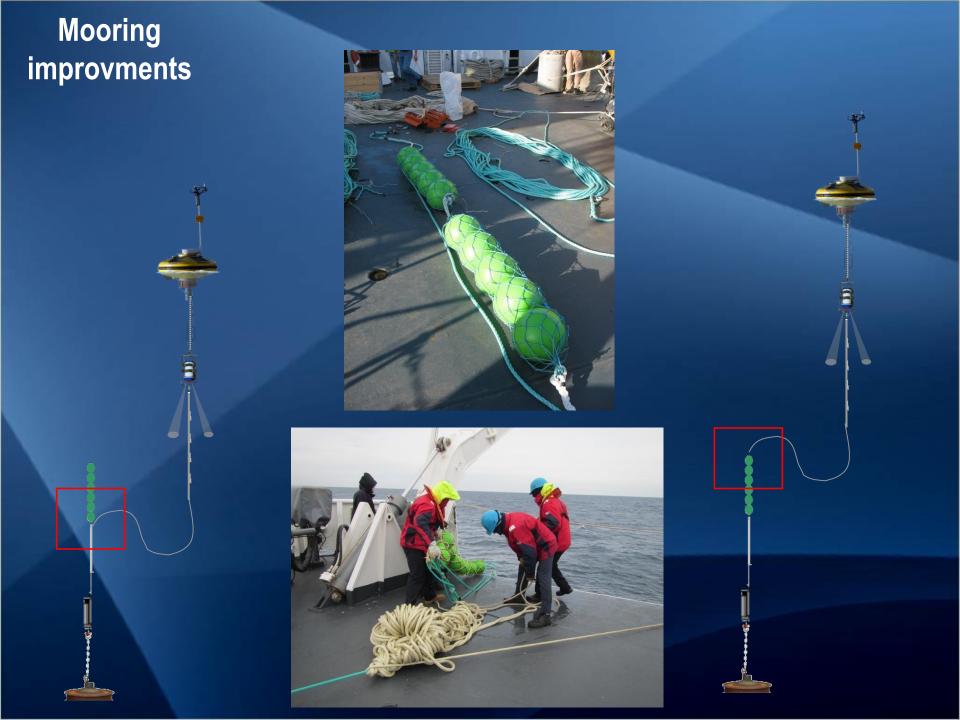


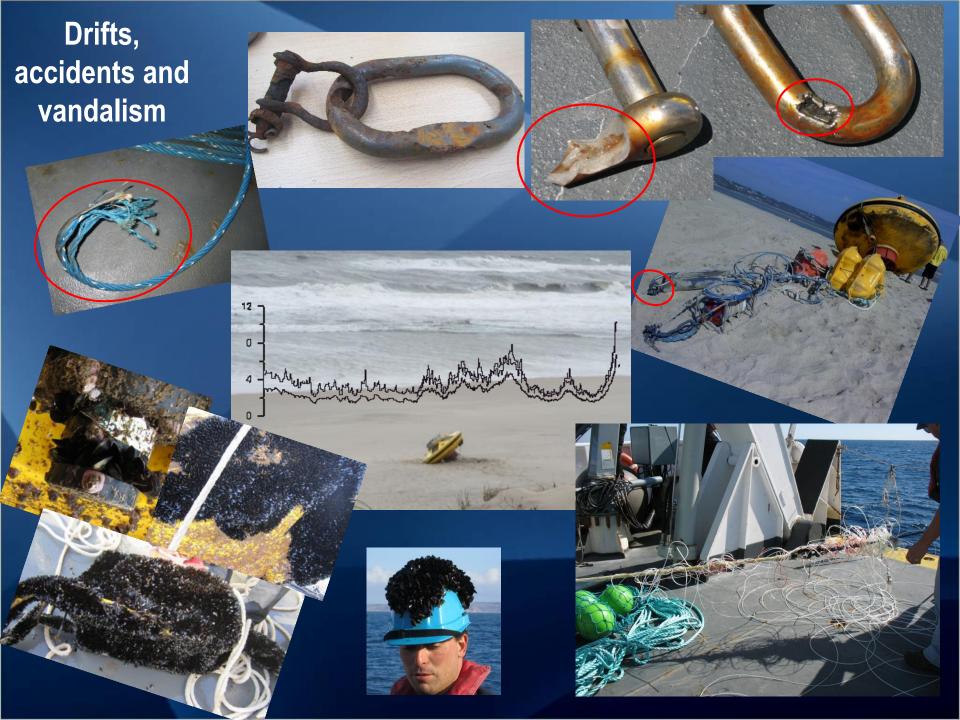
Deployment





Summer **Maintenance**







Tow with small boats



Experience

DO not publish this slide

Monitoring & Forecast of extreme events

Supporting
national and local
authorities
and coastal
populations
during
Extreme Weather

Events

Garret McNamara Praia do Norte (Nazaré) - 28 January 2013.





