



EUR-OCEANS "Observing systems"

- ❑ EUR-OCEANS (EUROpean network of excellence for OCean Ecosystem ANalysis), FP6 co-funded 2005-2008
- ❑ 160 PIs, 10 WPs (coordinated by P. Treguer, L. Legendre, CNRS)
- ❑ WP2.1 Data Integration - Observing systems
(PI: Richard Lampitt, NOCS)



**National Oceanography
Centre, Southampton**

UNIVERSITY OF SOUTHAMPTON AND
NATURAL ENVIRONMENT RESEARCH COUNCIL

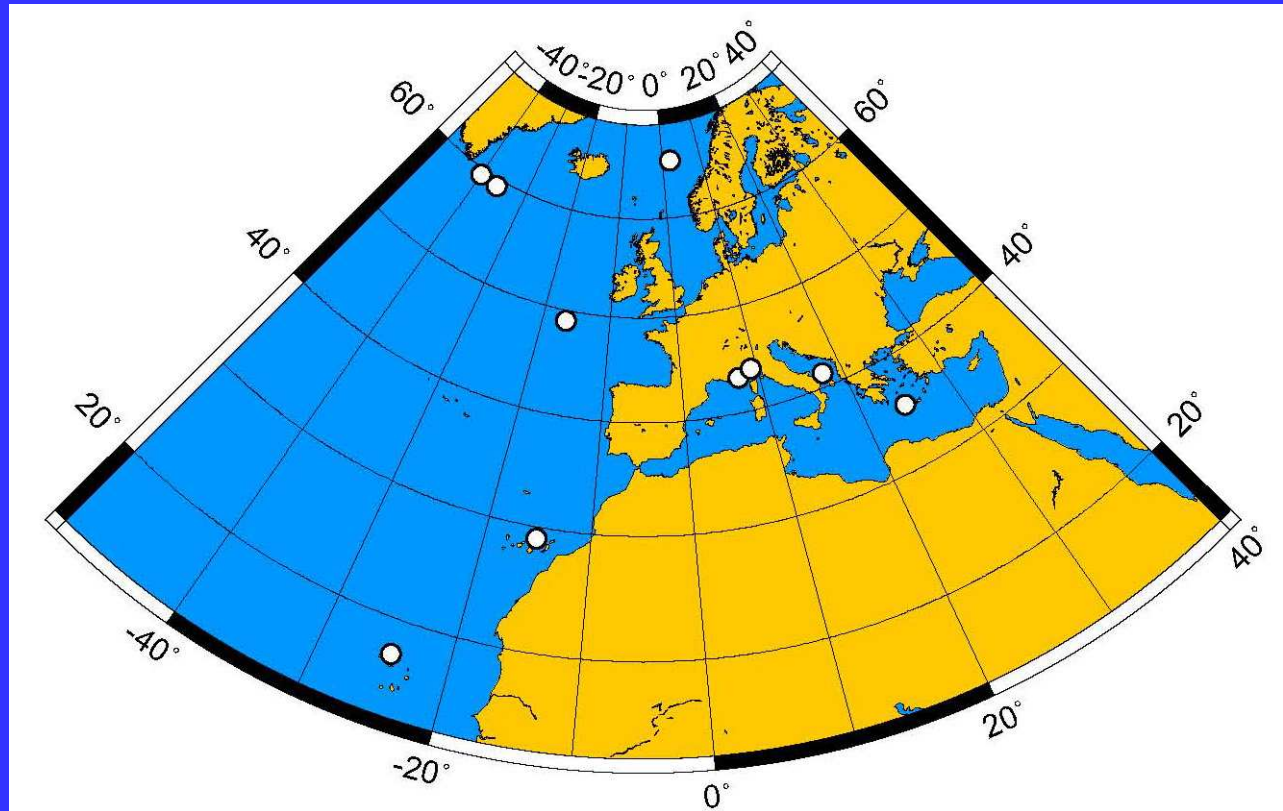
EUR-OCEANS assistant Sue Hartman

Integration of observing systems

- ❑ Secure long-term support for uninterrupted time-series data
- ❑ International collaboration to integrate data and coordinate research
- ❑ Recognition of instrument vulnerability corrosion, biofouling, sensor failure and human intervention (eg: fishing, vandalism)

WP2.1 Observing
systems "Eulerian
Observatories"
Workshop Monaco

April 2006



First step towards an integrated network of interdisciplinary European observatories (promoted by OceanSITES) with representatives from 10 interdisciplinary observatories

Workshop objectives

- ❑ Transfer expertise and knowledge
- ❑ Develop collaborative links
- ❑ Establish a framework for future mutually supportive and integrated activities

Presentations from European observatories and USA programmes (ORION) with break out discussion groups

Discussion groups

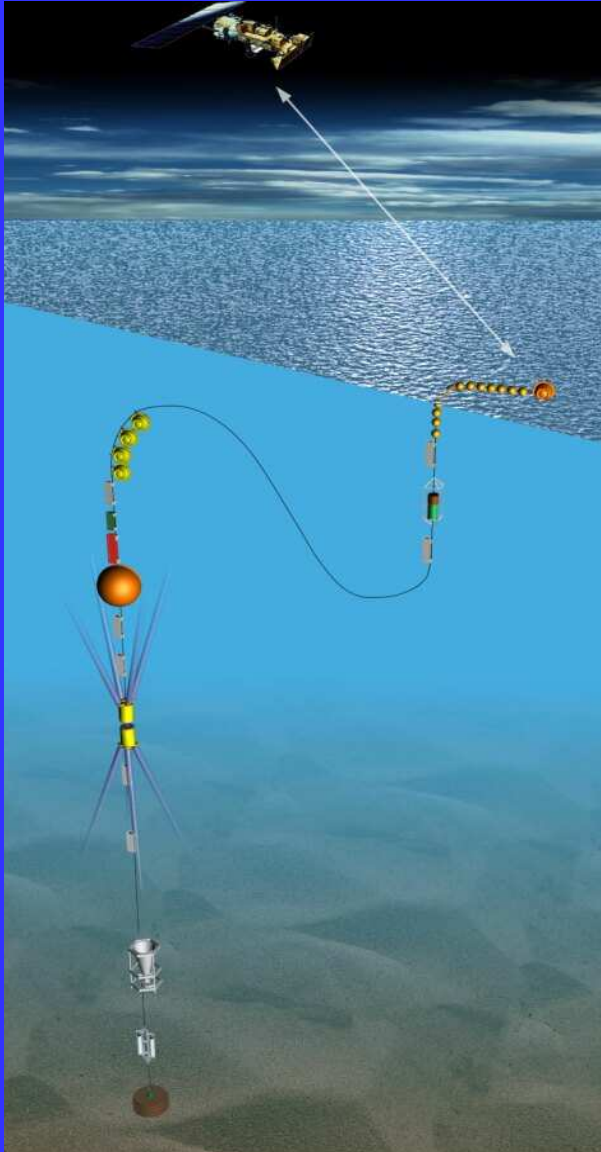
- ❑ Moorings, sensors and telemetry
- ❑ Data management and modelling
- ❑ Outreach
- ❑ Science and funding

Principal conclusions and achievements from each discussion group are summarised on the following slides



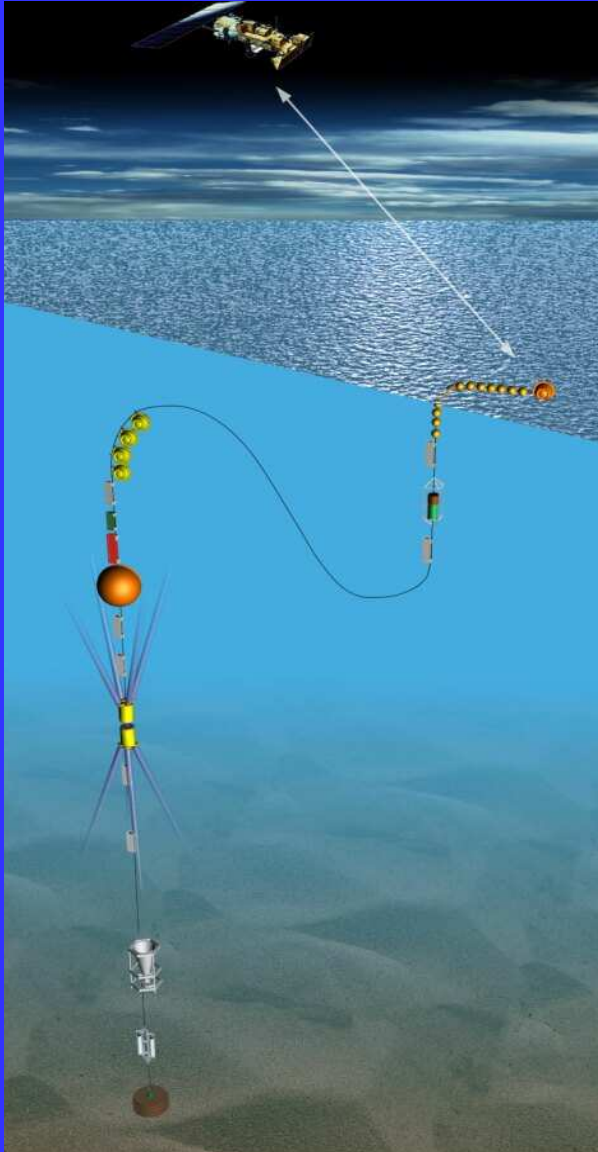
Moorings, sensors and telemetry

- ❑ Planned workshop to draw together specialists and users of sensors (T. Dickey)
- ❑ "EuroACT" to ensure deep oceans coverage and strengthen links between science, technology and industry



Data management and modelling

- ❑ Use of 'SeaDataNet' to ensure sustainability and interoperability of data
- ❑ Use of a 'knowledge base' for best practice on methods, equipment, quality control, preferred agreed standards, user manuals, data policies



Outreach

- ❑ High quality websites providing real-time data and educational material directly to schools and the public (eg: on cruise ships)
- ❑ Press briefing St. Malo October 26-27th 2006

Science and funding

- ❑ European website for centralizing information (following OceanSITES)
- ❑ Links with industry ensuring real-time data access from all platforms (GMES)
- ❑ Improve long-term funding models and unify data formats avoiding data availability delays

Outcomes

- First step towards integrated European network of Eulerian observatories

common aims, funding streams and data management systems

- Enhanced understanding of activities to enhance observatories

common practise between closely spaced sites; enhanced funding potential; data sharing to examine trends in climate change

Site name and location	Contact
M3A (Ligurian, South Adriatic, Cretan Sea)	Kostas Nittis, Nadia Pinardi
Dyfamed (Ligurian Sea)	Laurent Coppola
PAP (North Atlantic)	Richard Lampitt
CIS (Central Irminger Sea)	Johannes Karstensen
ESTOC (Sub-tropical Atlantic)	Marimar Villagarcia, Gerrit Meinecke
LOCO (Irminger Sea)	Hendrik van Aken
Station Mike (Norwegian Sea)	Svein Østerhus
CV (Tropical Atlantic, Cape Verde)	Doug Wallace