

eurOcean



EUROFLEETS Training Activity



EUROFLEETS TASK 6.5

Task 6.5 Education activities (M12-M44) (EurOcean, OGS and all partners interested)

EurOcean will assess existing best practices among the EUROFLEETS Partners and other relevant parties (for example FP projects) about education activities having been developed for research cruises. On the basis of these results, initiatives will be taken as follows:

- An inventory of best practices on education activities will be made available in the “Internet Hub”
- A feasibility study of a selected best practice on education activities targeting education and citizen awareness will be prepared. Possible experiments to be conducted might be an on-line “live transmission” of TV images during a research cruise or the elaboration of educational material (DVDs)
- **Implementation of the selected best practice during one of the research cruises organised by WP8 and 9 “TNA1 and 2” or taking advantage of other suitable opportunities**
- Organising events during the European Maritime Day.



D6.5.2 Implementation of selected best practices for education

NAME OF THE ACTIVITY: Introduction to the research of the ocean and seabed on board of the caravel “Vera Cruz”

- Vessel chosen to explore the Scientific and Cultural Component



D6.5.2 Implementation of selected best practices for education

AREA OF STUDY: Tagus Estuary

DATES OF THE ACTIVITY: 13-15 May 2013.

RESPONSIBLE INSTITUTION: Fundação EurOcean

RESPONSIBLE SCIENTIST: Prof. Luís Menezes Pinheiro (UA).

ORGANIZATION OF THE ACTIVITY: Fundação EurOcean AND University of Aveiro (Dep. Of Geosciences and CESAM).

COOPERATING INSTITUTIONS: Institute of Oceanography, University of Lisbon and APORVELA.



D6.5.2 Implementation of selected best practices for education

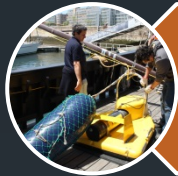
Activities on board of the vessel

- Safety Rules on board;
- Introduction to the history of the "Vera Cruz" Caravel and its importance;
- The importance / necessity of Research vessels in Marine Science;
- Introductory concepts of Navigation and Positioning Systems;
- Importance of the study of the Seabed Geology and Sub-surface;
- Importance of Physical Oceanography;
- Explanation of the geophysical methods, mainly Side Scan Sonar and reflection profiles of High-Resolution seismic - Chirp Sonar;
- Presentation of the methods used in Physical Oceanography to measure the temperature and salinity of the water column (CTD) and currents (current meter).

Organization of the Activity



All - Safety Rules on Board



Group 1 - Geophysical Methods – Chirp Sonar, Side Scan Sonar (UA)



Group 2 - Physical Oceanography Methods – CTD, Current Meter (UL)



Group 3 – General Introduction to Geology and morphogenesis of the Tagus Estuary



Group 4 – The importance of Research Vessels, the importance of the Caravel and History

Visit to the Navy Museum



D6.5.2 Implementation of selected best practices for education

Materials developed for the activity



- Educational quizze

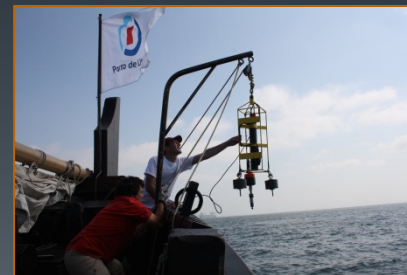


- Did you know? Brochure

D6.5.2 Implementation of selected best practices for education

Activities on board of the vessel

School	City	Grade	Nº Students
Escola Básica e Secundária de Lanheses, VIANA	Viana	7	31
Escola Josefa de Óbidos, LISBOA	Lisbon	11 and 12	21
Escola Secundária José Macedo Fragateiro, OVAR	Ovar	10	29
Escola EB72, Padre Bartolomeu de Gusmão, LISBOA	Lisbon	4	24
Agrupamento Martim de Freitas, Escola B23, COIMBRA	Coimbra	8	20







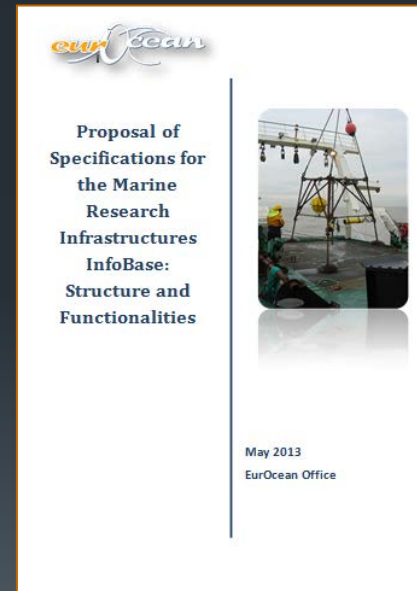
Marine Research Infrastructures InfoBase

Cooperation between EurOcean and IFREMER in the
Scope of the following Initiatives:

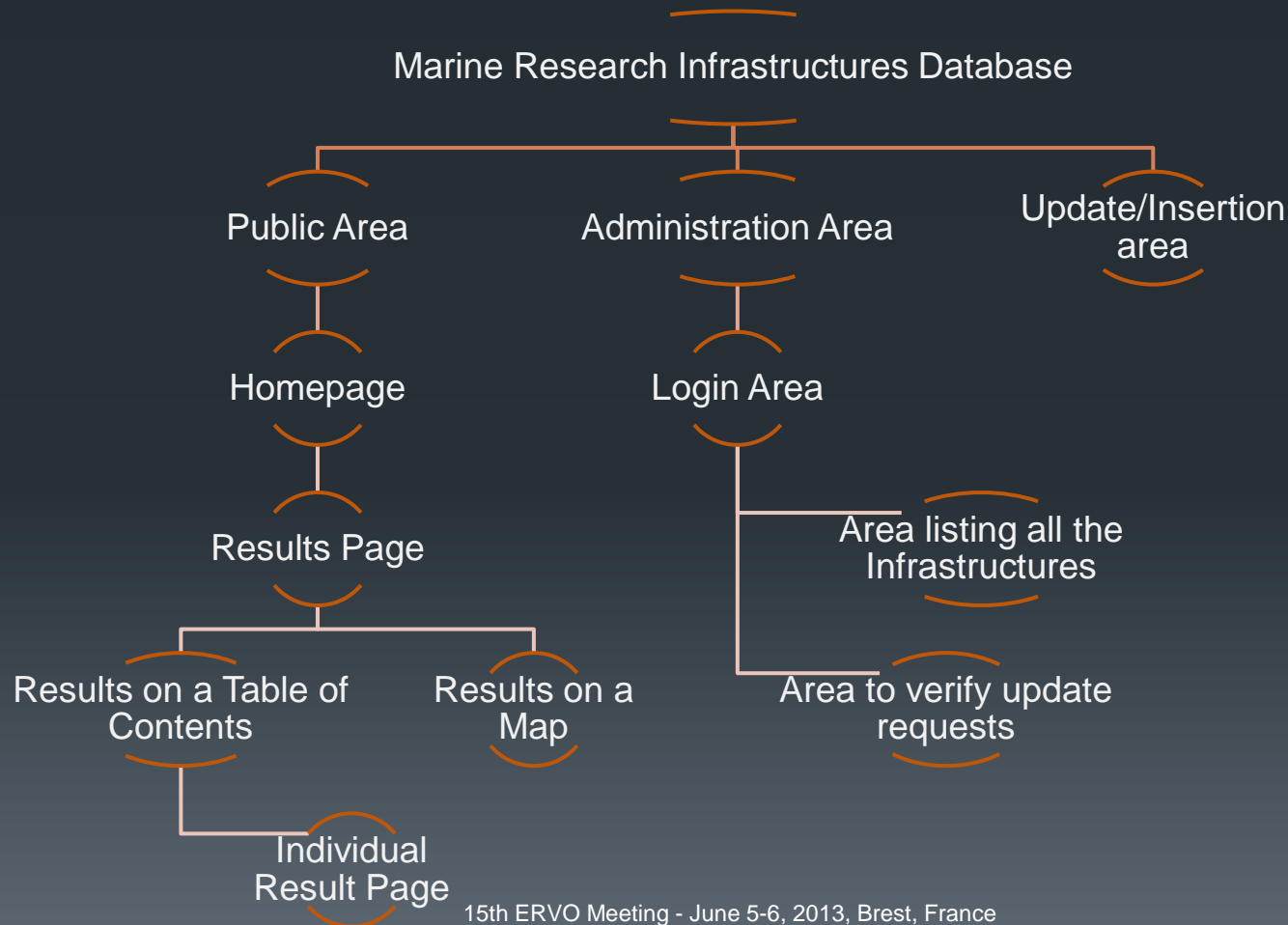


Proposal for the Specifications

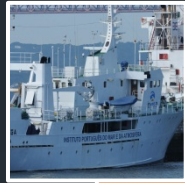
- Document developed in collaboration with IFREMER



Structure of the new InfoBase



Type of Facilities that will be displayed



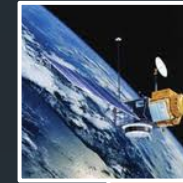
Research Vessels and their underwater vehicles

- Research vessels
- Underwater vehicles
- Other large exchangeable equipment



In situ data acquisition systems

- Fixed point open ocean observatories
- Mobile open ocean observatories
- Coastal observatories
- Infrastructure for deep ocean drilling research
- Other facilities



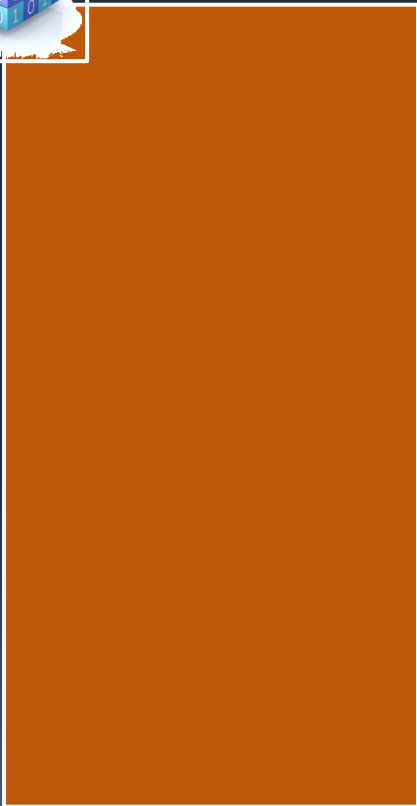
Satellites for seas and oceans observation

- Satellites for ocean observation
- Coastal land and waters observation

Type of Facilities that will be displayed



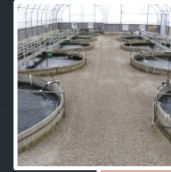
Marine data providers



Land-based facilities and in-situ testing sites for ocean engineering and ocean observation support



- Wave basins
- Water circulation flumes
- Other land-based facilities
- In situ test sites



Experimental facilities for biology and ecosystem studies



- Marine biology stations with genomics facilities
- Aquaculture research facilities
- Mesocosms facilities
- Ecosystem and Biodiversity Observatories network
- Other facilities

Example of Homepage and filters used

Infobase Acronym
Infobase Logo
A+ B-

If you are aware of any Infrastructure that is not yet in this infobase or any other updates please contact EurOcean (<mailto:eur-ocean@fc.t.umcs.pl>) or [insert](#) (link to form) yourself a new record and updates.

Search:

- [Country] ▼ ⓘ
- [Operator] ▼ ⓘ
- [Category of the MRI] ▼ ⓘ
- [Sub-Category of the MRI] ▼ ⓘ
- [Operating Areas] ▼ ⓘ
- [Main Specific Disciplines addressed] ▼ ⓘ
- [Year - Built] ▼ ⓘ

Display Results on a Map
 Display Results on a Table of Contents
 Reset

Infobase Name

Infobase Description, Aims, Principles and First Construction

Infobase Acronym
Infobase Logo
A+ B-

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Infobase Name

Infobase Description, Aims, Principles and First Construction

Fields of Information

Facility Information and Contact

Name

Owner

Operator

Status operator (public research, other public administration, private)

Category

Sub-Category

Country

Main operating areas

Main scientific disciplines addressed

Contact person

Email

Phone

Address

URL Operator

URL Infrastructure

Year Built

Year of last refit

Last Update of the information:

Fields of Information

Additional information

Length (m)

Max. Operating Length (m)

Location (hometown)

longitude / latitude

Service currently offered by the infrastructure

Access conditions

Examples of scientific data acquired

Gallery

Logo of operator

Technical Details File

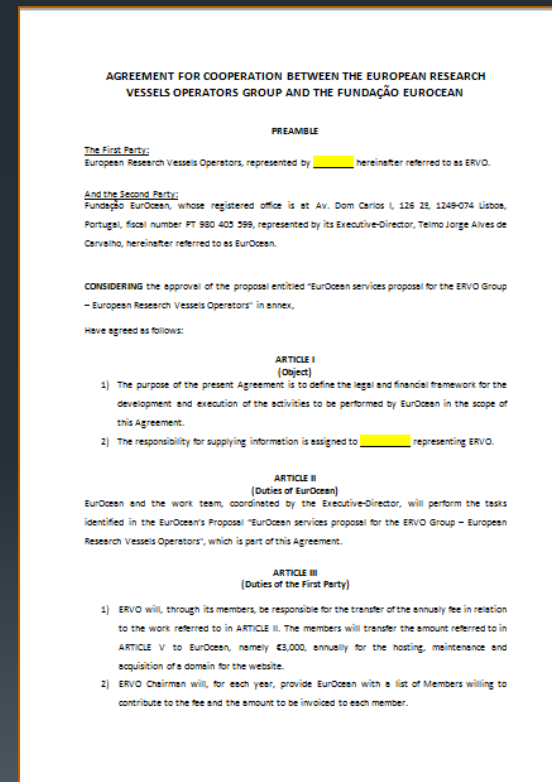




ERVO Agreement

Status of the ERVO Agreement

- The Agreement was sent for approval to the ERVO Chairman on the 06 March 2013





Status of the Financial Contribution

(as of 31 May 2013)

Institution	Country	Paid
MI	Ireland	300
AWI	Germany	300
MRI	Iceland	300
VLIZ	Belgium	300
GEOMAR	Germany	300
IMAR	Portugal	300
NIOZ	The Netherlands	300
CNR	Italy	300
MUMM	Belgium	300
SLC	Sweden	300
GeoEcoMar	Romania	300
Maritime Institute Gdansk	Poland	300
BRIESE	Germany	300
DTU-AQUA	Denmark	300
CNR	Italy	300
	Total	4500

■ Overbalance of 1500€

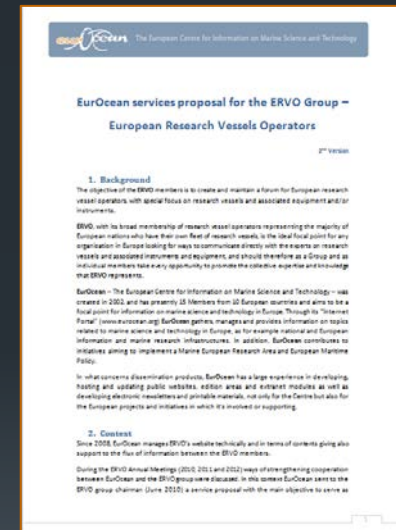
Services Proposal

Services Included

- Hosting
- Maintenance
- Individual Domain

Services that might be provided with the Overbalance

- Creation of an ERVO Logo (around 620€) ??
- Re-design of the Website (around 1500€) ???
- Development of Institutional Brochures 250 Units (Around 860€)





Thank you for your *Atention!*