



Towards an alliance of European research fleets

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Towards an alliance of European research fleets

**24 marine institutes, universities, foundations
from 16 European countries**

**agree to propose together their research vessels, associated equipment,
and their know how within the EUROFLEETS project.**

1 Ifremer, France

2 AWI, Germany

3 OGS, Italy

4 IEO, Spain

5 HCMR, Greece

6 NERC, U.K.

7 FCT, Portugal

8 MPIMM, Germany

9 CNR, Italy

10 IMS-METU, Turkey

11 GeoEcoMar, Romania

12 MI, Ireland

13 Imares, Netherlands

14 CSIC, Spain

15 RBINS-MUMM, Belgium

16 IOPAS, Poland

17 IPEV, France

18 IO-BAS, Bulgaria

19 MARUM, Germany

20 MARIS, Netherlands

21 EurOcean, Portugal

22 TUT, Estonia

23 VLIZ, Belgium

24 IMR, Norway



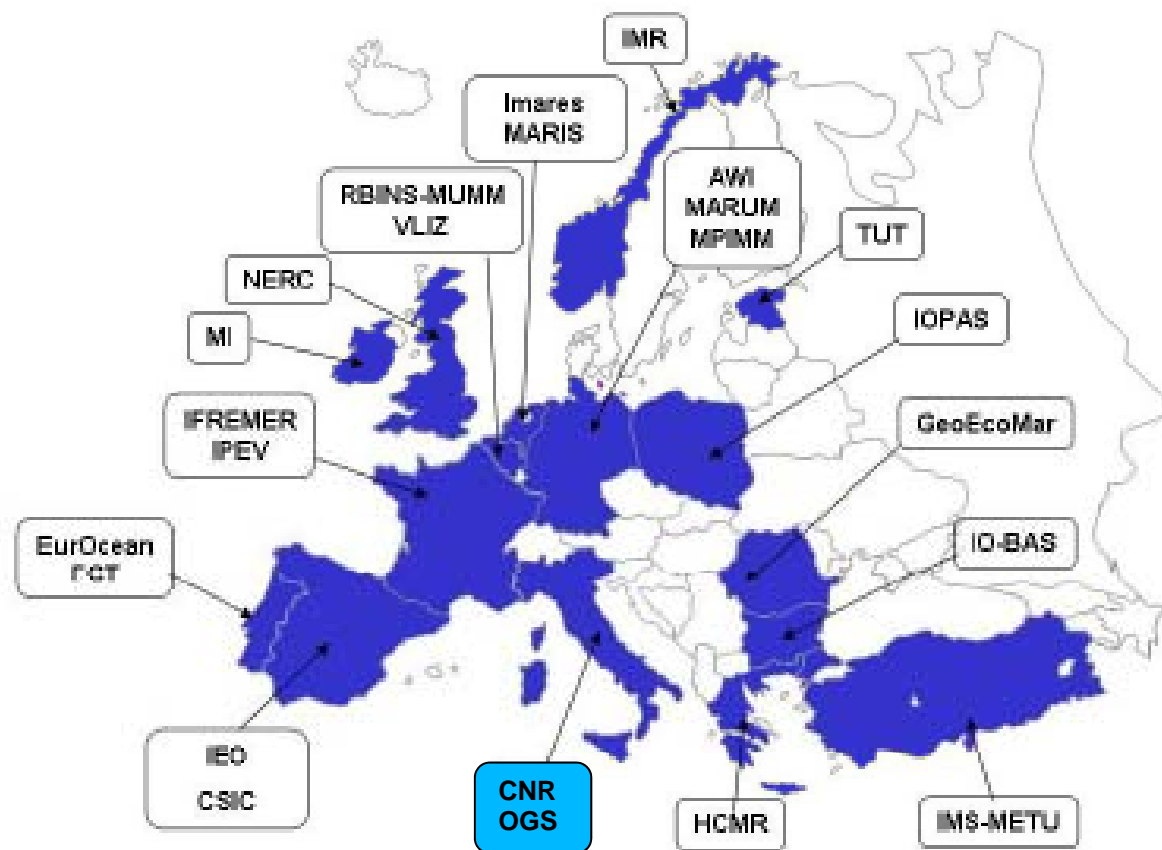


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EUROFLEETS Coordinator :

Ifremer, France

A significant group of key marine research actors in Europe, covering all eco-regions





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Concepts and objectives:

Strategic importance for the marine research: despite the development of satellites and floats and unmanned vehicles, research vessels and associated equipment are still irreplaceable in providing access to the sea water column and the sea floor, for monitoring, sampling, service of the seabed observatories that will play a key role in marine sciences in the future.

Coordination:

Fragmentation, together with a lack of cohesion and strategic vision, is still an important weakness of the European marine research infrastructure.

European Strategy Forum on Research Infrastructures (ESFRI):

the EUROFLEETS consortium has the ambition to be considered a unique infrastructure.





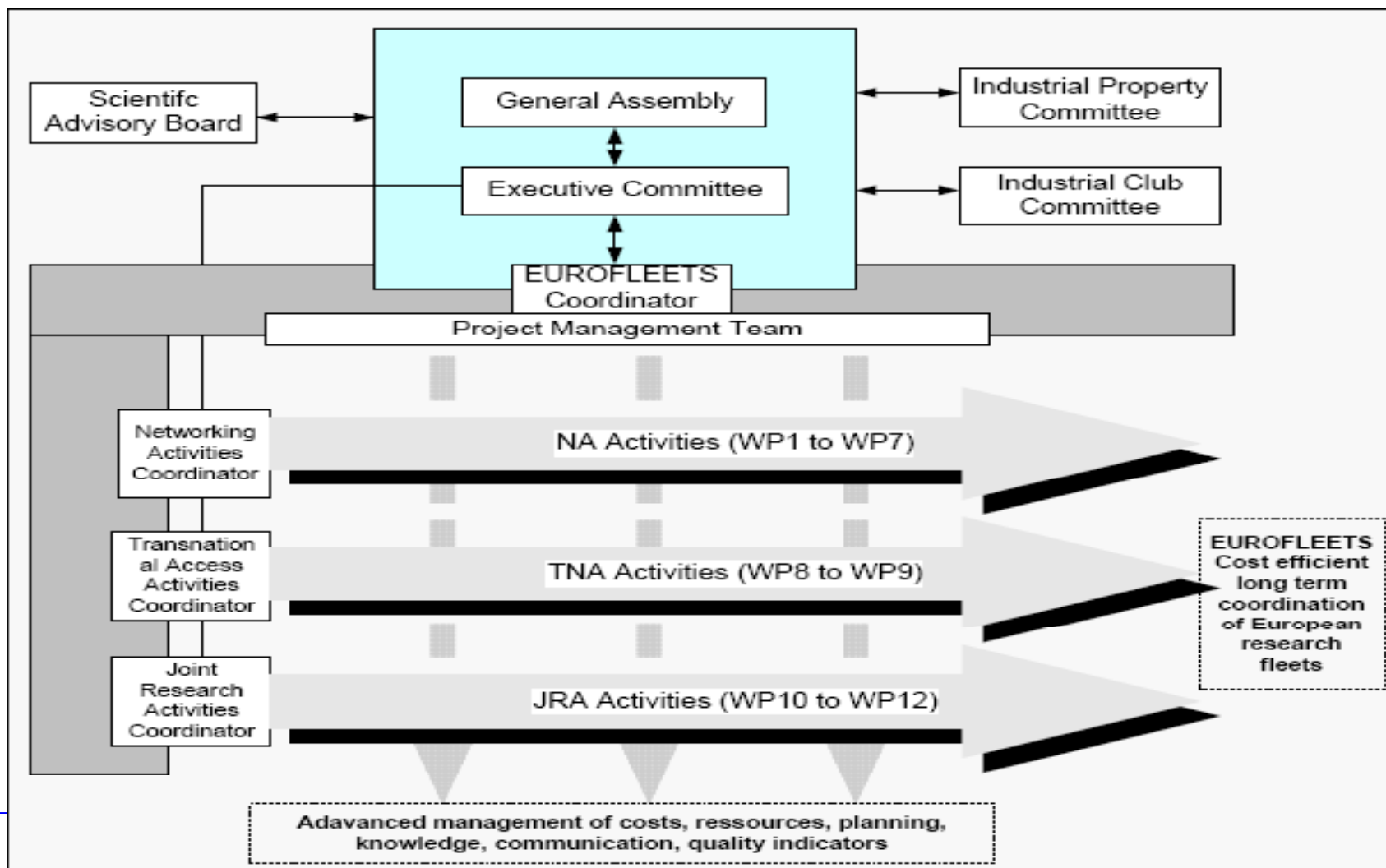
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Project underway:

- Proposal submission : 29 Feb. 2008
- A long negotiation period : June 2008 to March 2009,
(EC contribution : 7,2 M€ (-10% / original proposal))
- Four year project
- Project starting date : 01 Sept. 09
- Kick-off meeting : 22, 23 & 24 Sept. 09 in Paris
- Next General Assembly: September 2010 in Athens



Project management





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Networking Activities

WP1 : STRATEGIC COORDINATION VISION

- European strategic view on research fleets and associated equipment
- to determine the long term tendencies (10 years and more) for both the Global/Ocean and the Regional vessels
- to contribute to the building up of a road map for infrastructure investment and to find mechanisms for durable links with financial resources





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Networking Activities

WP2 : VIRTUAL RESEARCH FLEET PLATFORM

- EUROFLEETS integrated information portal development
- populating and maintaining the portal metadatabases with up-to-date information
- establishment of the European Virtual Infrastructure in Ocean Research
- implementing a EUROFLEETS generic cruise planning system

WP4 : OPERATIONAL ISSUES – CONTRIBUTION TO OPERATIONAL FLUIDITY WITHIN EUROPEAN RESEARCH FLEETS





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Networking Activities

WP3 : ECO-RESPONSABILITY AND ECO-DESIGN FOR EXISTING AND NEW RESEARCH VESSELS

- Research Vessel Environmental Management Plan and System
- to promote best practice mitigation capabilities to minimise the vessel impact on the environment
- guidelines towards future new buildings and innovative eco-design





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Networking Activities

WP5 : EUROFLEETS SCIENTIFIC USER ACCESS MODALITY AND PEER REVIEW

This work package is devoted to the practical management of the three calls to be launched under the TNA activities : « Ocean » (TNA 1), « Regional 1 » and « Regional 2 » (TNA2)

- call preparation
- call implementation
- proposals for evaluation and selection





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Networking Activities

WP6 : ADVANCED TRAINING AND EDUCATION

- formation of European marine scientists and technicians
- transnational deployment teams
- internal training
- training cooperation with third countries
- education activities





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Networking Activities

WP7 : DISSEMINATION AND EXPLOITATION

- EUROFLEETS “Internet Hub”
- plan for dissemination and communication
- dissemination to the scientific community
- dissemination to industrials
- citizen awareness



Trans-National Access – Global Research Vessels

5 Ocean/Global RVs for Atlantic Ocean including polar seas & Indian Ocean, for about **66 days**





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Trans-National Access – Regional Research Vessels

AWI : Heincke

IEO : IEO 114

HCMR : Aegeo (Thetis, Max Rover or Super Achille)

FCT : Dom Carlos I

CNR : Urania

IMS-METU : Bilim 2

GeoEcoMar : M. Nigrum

MI : Celtic Voyager

CSIC : Garcia del Cid

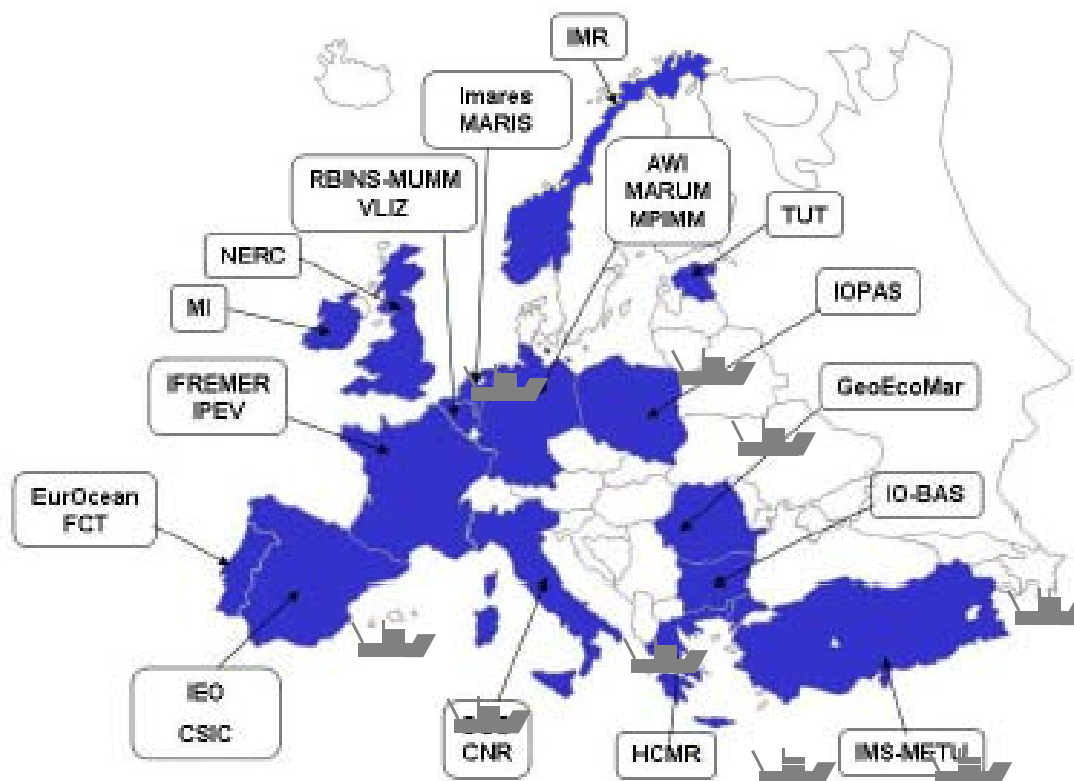
RBINS-MUMM : Belgica

IOPAS : Oceania

IO-BAS : Akademik

TUT : Salme

13 Regional RVs covering all the European seas organised on a decentralised way, for about **110 days**





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Joint Research Activities

WP10 : JRA1 UP TO DATE SOFTWARES TO FACILITATE TRANSNATIONAL ACCESS

- Recovery and treatment of data from a wide range of seagoing instruments, usual sensors on board ship
- Development of the software: calibration, processing and survey reporting tools, standardisation
- Acquisition/import/export of data and standardized connection with on shore data centres following SeaDataNet protocols





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Joint Research Activities

WP11 : JRA2 SHARED AND FLEXIBLE PAYLOADS FOR ROV, AUV & OBSERVATORIES and COMMON MISSION PLANNING TOOL

- BioGeoChemical Module Design
- an *In situ* Chemical Analysis and Sampling Payload module
- high resolution 3D optical mapping and monitoring system
- modules test and validation,
- Interoperable Common Mission Programming Tool: specification, development and adaptation, tests and validation



CNR participation:

research vessel

URANIA

Main Involved Structures

- ISMAR
- ISAC
- UPO, for logistic and technical support



Future vessels

**What types of missions might occur in
the future?**



**How might the role of ships
change?**

**How will costs impact the
future fleet?**

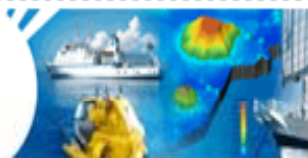


What equipment will be needed?



Eurofleets

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About EUROFLEETS

Open Access to RV Time

European Virtual RV Platform

Common and Sustainable use of RV

Joint Research Activities

Training and Education

EUROFLEETS Products

News

27 May 2010

NEW: EUROFLEETS dissemination materials

27 May 2010

EUROFLEETS participation in the 2010 European Maritime Day

27 May 2010

The EUROFLEETS Ship-time "Ocean" and "Regional1" Call is closing

Events

July 2010

S	4	11	18	25	
M	5	12	19	26	
T	6	13	20	27	
W	7	14	21	28	
T	1	8	15	22	29
F	2	9	16	23	30
S	3	10	17	24	31

08 Jul 2010

EUROFLEETS 6th ExComm

The meeting will take place on the 8th July 2010 by a video conference.

Aiming at bringing together the European research fleets to enhance their coordination and promote the cost effective use of their facilities.

The EUROFLEETS is a **Research Infrastructures project under the 7th Framework Programme of the European Commission.**

EUROFLEETS Available Research Vessels



Urania

Operator: **CNR - National Research Council, Italy**

Availability for EUROFLEETS - **5 days**

Picture Copyright: **CNR**

Web site www.eurofleets.eu

Grazie

