

Towards an alliance of European research fleets

MSI 2012 symposium, November 2012



Eurofleets

Towards an alliance of European research fleets

24 marine institutes, universities, foundations and SMEs, + 1 associated partner -from 16 European countries agree to propose together their research vessels, associated equipment, and their know how within the EUROFLEETS I3 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

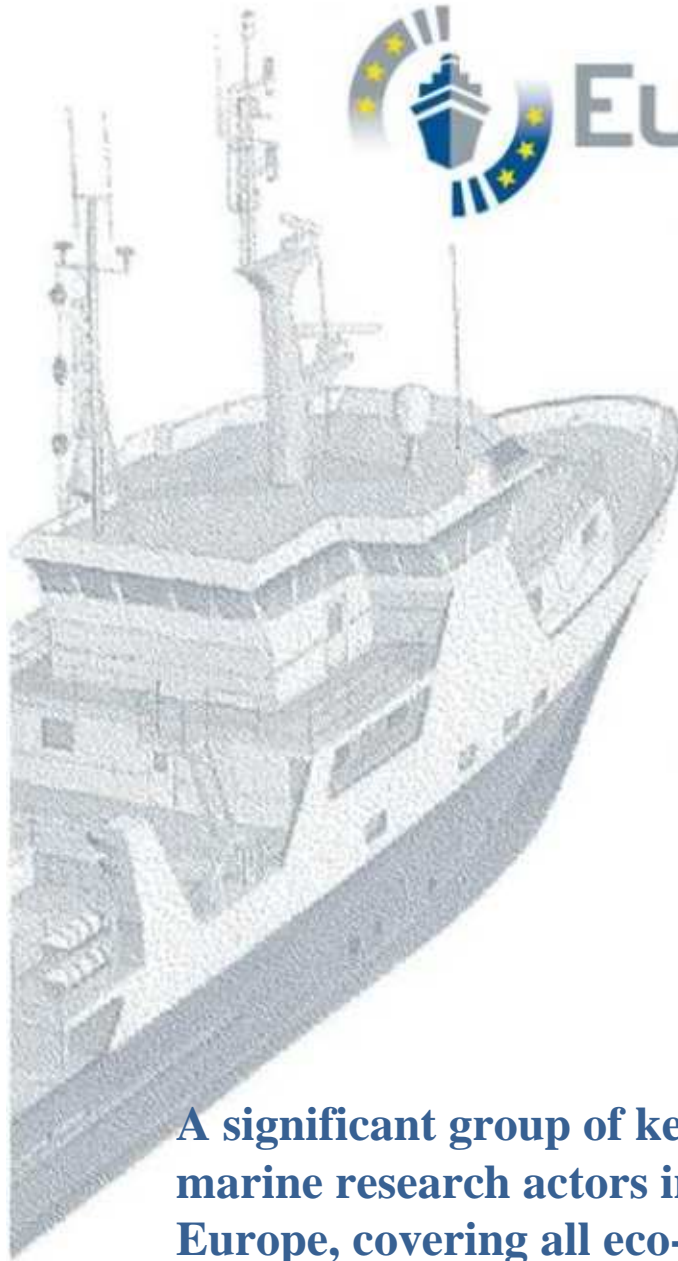
24 IMR, Norway



Eurofleets

Towards an alliance of European research fleets

EUROFLEETS Coordinator : Ifremer, France



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





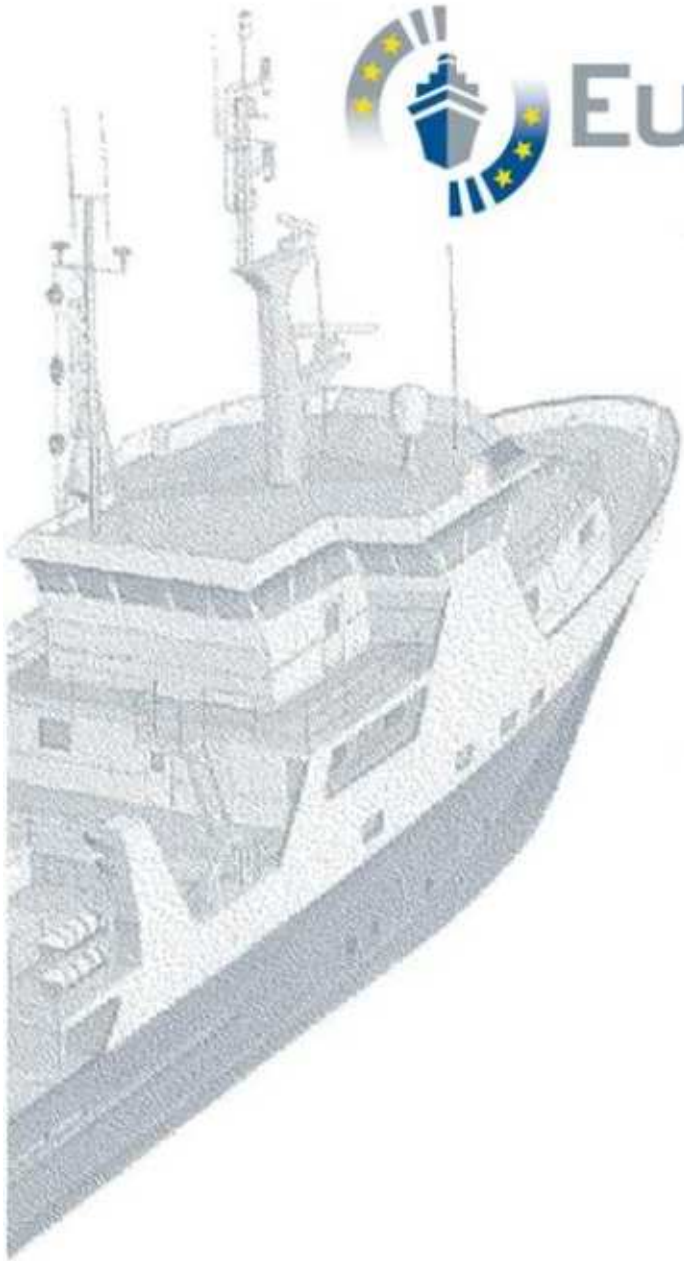
Eurofleets

Towards an alliance of European research fleets

Networking Activities - NA (7 work packages) :
(Activity coordination : IMR, Norway)

WP1 : STRATEGIC COORDINATION VISION
(Leading partner IFREMER, France)

- Update of OFWG inventory OK
- Regional RVs perspectives OK
- Underwater equipment perspectives to be constructed on basis on present symposium
- **Participation of industrialists to GA**
- FEG follow up
- Innovative e-access: questionnaire under progress





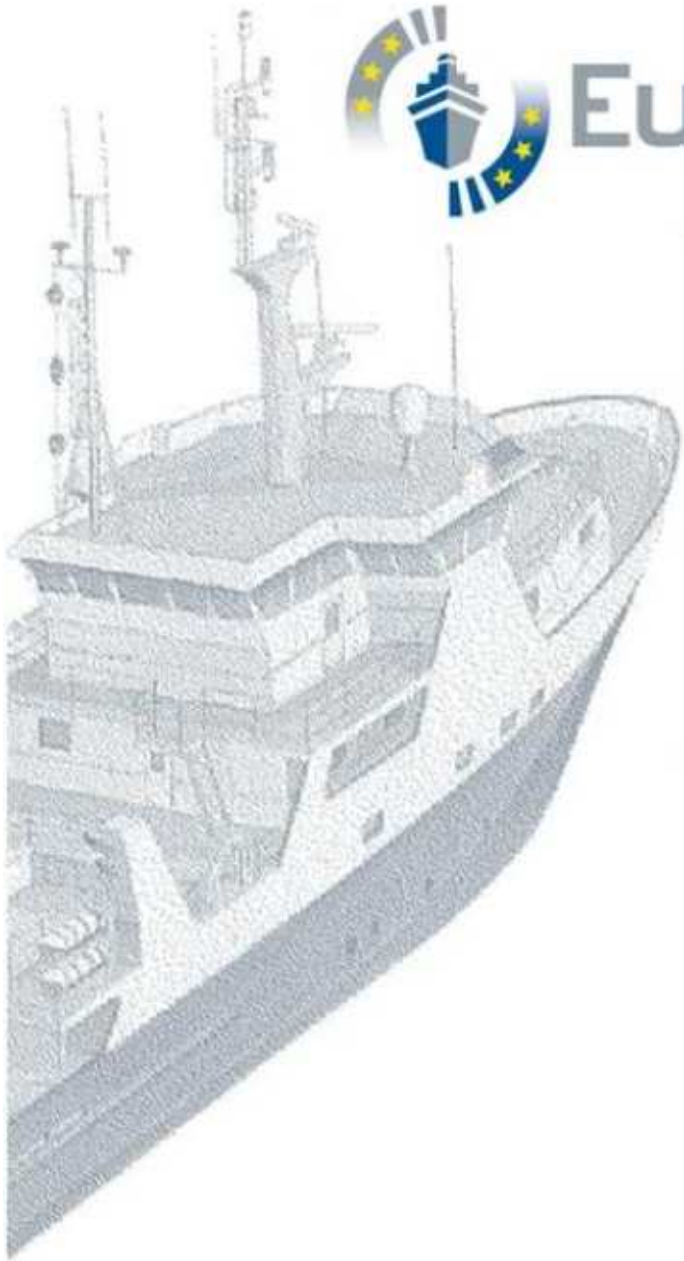
Eurofleets

Towards an alliance of European research fleets

Networking Activities :

WP2 : VIRTUAL RESEARCH FLEET PLATFORM
(Leading partner MARIS, Netherlands, **SME**)

- EUROFLEETS integrated information portal development: OK
- European Virtual Infrastructure in Ocean Research (EVIOR): pilot implementation
- EUROFLEETS generic cruise planning system: demonstrator under test





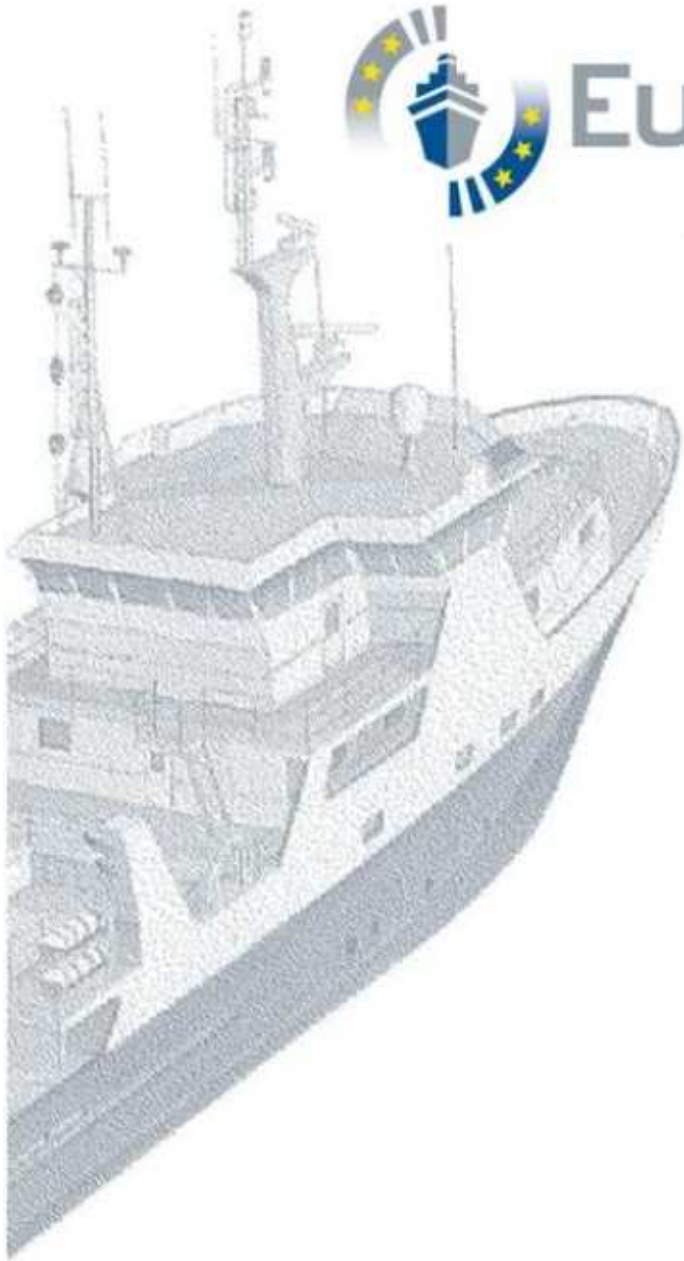
Eurofleets

**Towards an alliance of
European research fleets**

Networking Activities :

**WP3 : ECO-RESPONSABILITY AND ECO-DESIGN
FOR EXISTING AND NEW RESEARCH VESSELS
(Leading partner NERC, U.K.)**

- Contacts with ship designers
- Various contacts with classification societies and engine manufacturers
- Guidelines towards future new buildings and innovative eco-design for Regional research vessels OK





Eurofleets

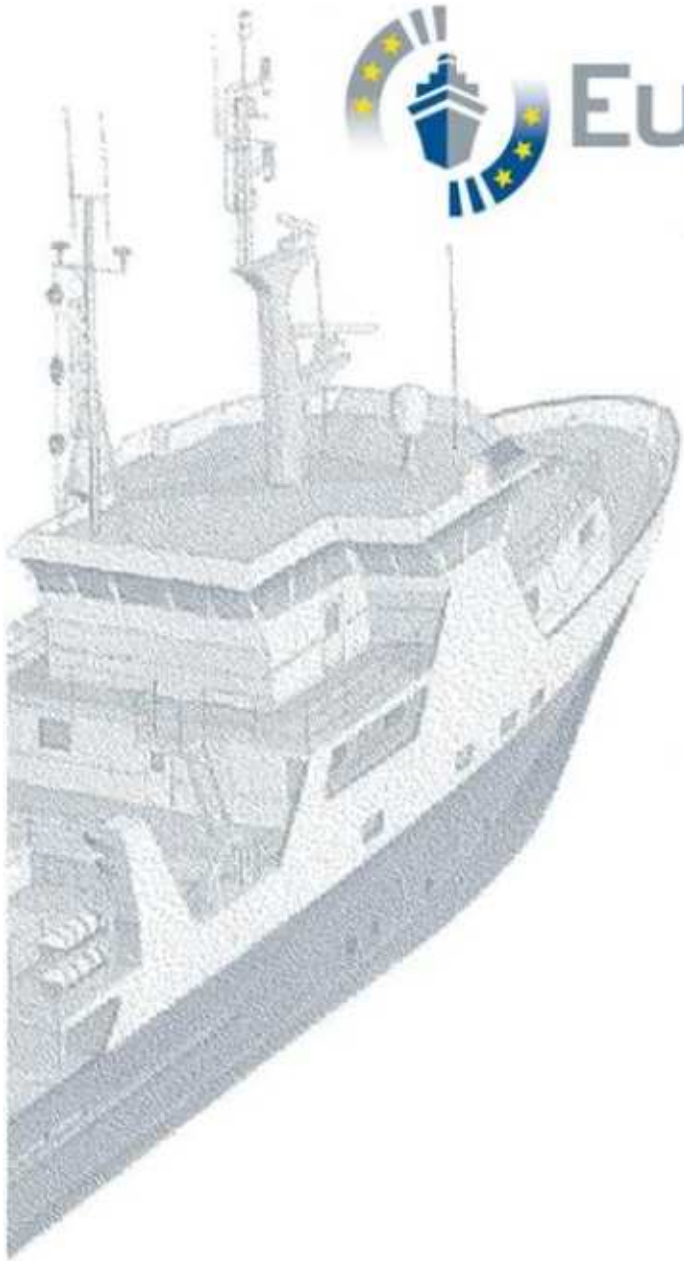
Towards an alliance of European research fleets

Networking Activities :

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

(Leading partner CSIC, Spain)

- Interoperability: update of inter operability tables *Which equipment could be deployed from which RV?*
- Standardised procedures
- Rapid response capabilities under conclusion
- Optimised common cruise preparation





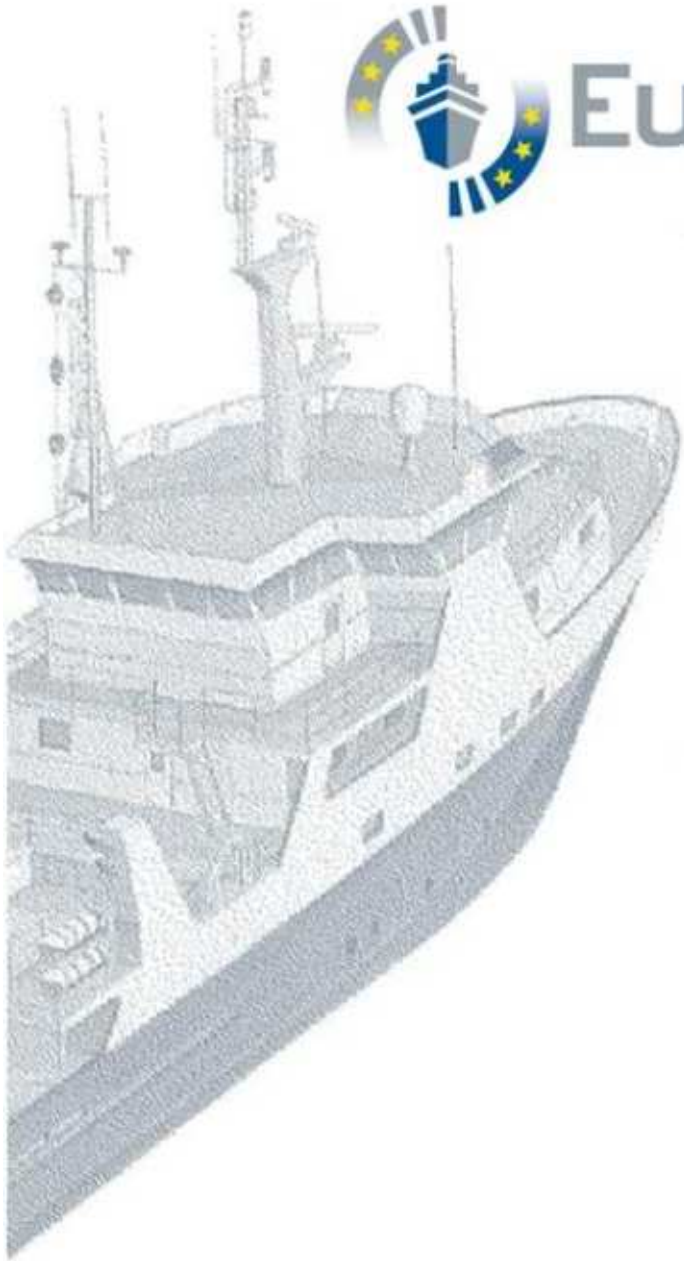
Eurofleets

Towards an alliance of European research fleets

Networking Activities :

WP5 : EUROFLEETS SCIENTIFIC USER ACCESS
MODALITY AND PEER REVIEW
(Leading partner AWI, Germany)

- Calls preparation, implementation, evaluation and proposals selection
- Selection of young scientists to be trained onboard European RVs





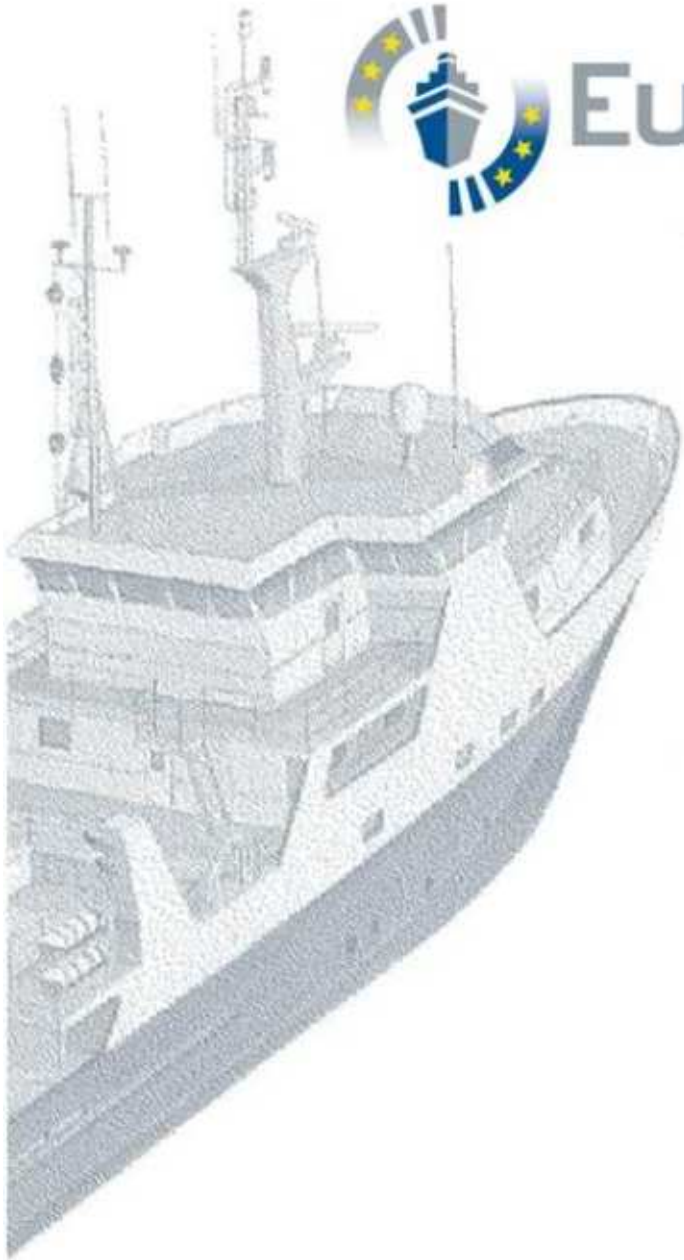
Eurofleets

Towards an alliance of European research fleets

Networking Activities :

WP6 : ADVANCED TRAINING AND EDUCATION
(Leading partner OGS, Italy)

- Formation of European marine scientists and technicians (6 courses with beneficiaries funding including **industrial participant as animator**)
- Transnational deployment teams
- Training cooperation with third countries
- Education activities





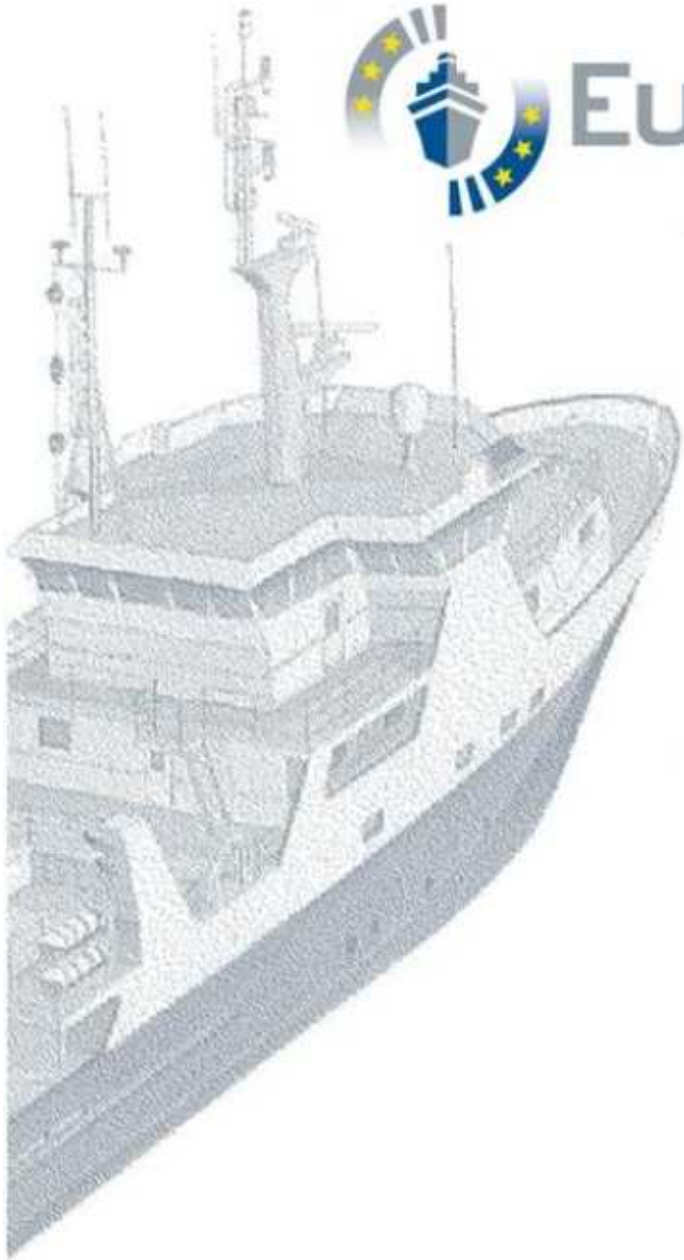
Eurofleets

Towards an alliance of European research fleets

Networking Activities :

WP7 : DISSEMINATION AND EXPLOITATION
(Leading partner EurOcean, Portugal)

- EUROFLEETS “Internet Hub” OK
- Dissemination to the scientific community
- **Dissemination to industrialists through appropriate means**
- Citizen awareness
- **Industrial property rights and exploitation of results under progress**





Eurofleets

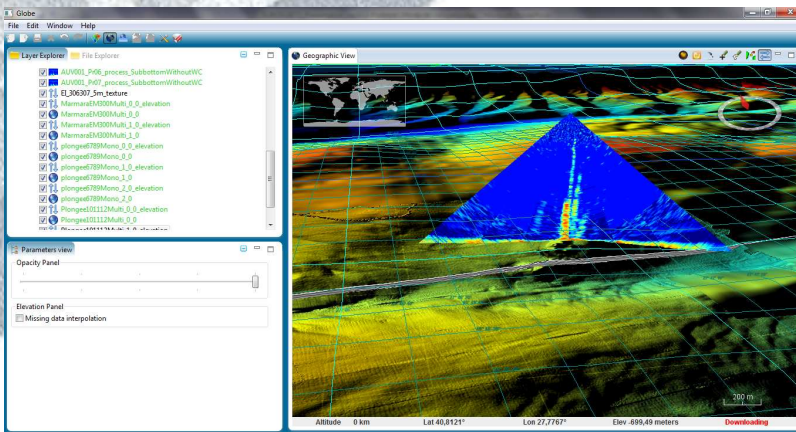
Towards an alliance of European research fleets

Joint Research Activities - JRA:

(Coordination of this Activity : MARUM, Germany)

WP10 : JRA1 UP TO DATE SOFTWARES TO FACILITATE TRANS NATIONAL ACCESS
(Leading partner Ifremer, France)

- Development of the software : calibration, processing and survey reporting tools, cruise preparation: **standardisation priority**
- Acquisition/import/export to and from on shore data centres in connection with SeaDataNet
- Evaluation/qualification under progress





Eurofleets

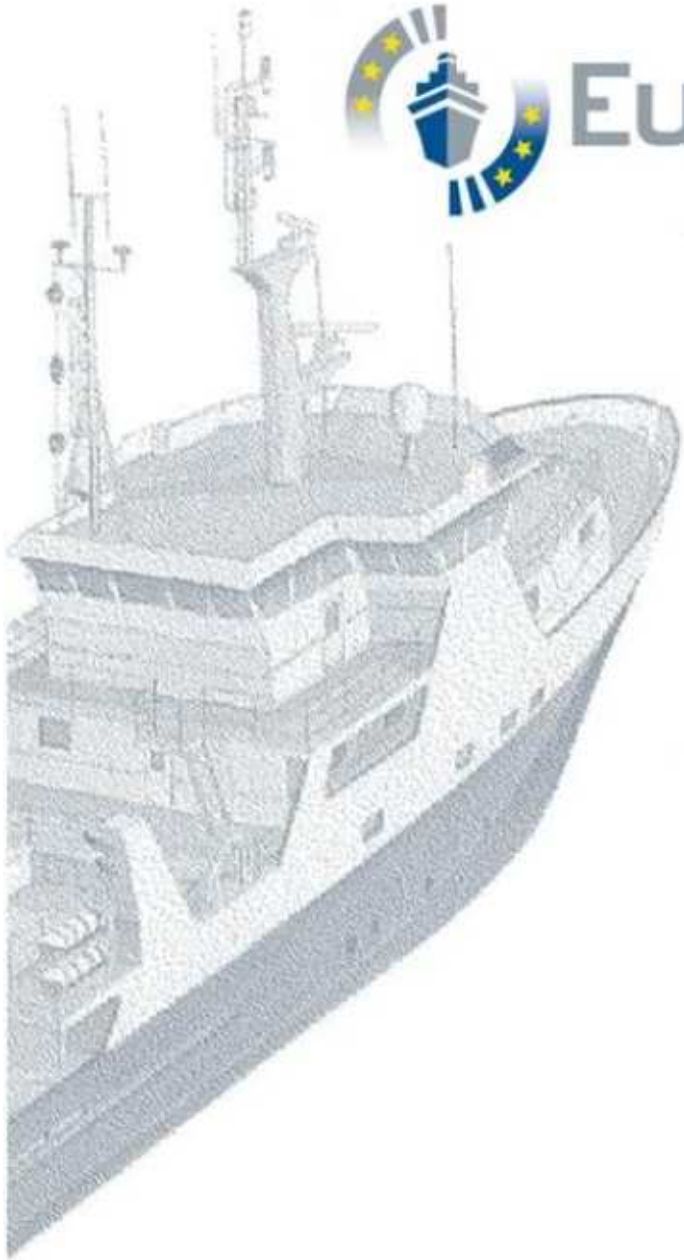
Towards an alliance of European research fleets

Joint Research Activities :

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

(Leading partner MARUM, Germany)

- 3D HD TV camera development **in cooperation with Fraunhofer Institute Erlangen,**
- BGC (BioGeoChemical) Module: trials at sea OK,
- ICASP (*In situ* Chemical Analysis and Sampling Payload): trials at sea OK,
- Interoperable Common Mission Programming Tool (CMPT) : still under development





Eurofleets

Towards an alliance of European research fleets

EUROFLEETS 1 conclusions

On tracks

A lot of successful developments tested or with planned testing cruise

« **Marginal** » » but fruitful contacts with industry structures

More to come for EUROFLEETS2 with a dedicated Work Package and more industrial beneficiaries (3 in comparison to 1)

