# Training and formation outputs

Michele Rebesco (OGS)

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# WorkPackage overview

**Task 6.1. Formation :**

a) Scientists
b) Technicians

**Task 6.2 Transnational deployment teams**

**Task 6.3 Internal training**

**Task 6.4 Training cooperation with third countries**

**Task 6.5 Education activities**

# PhD course in Sea-truthing for calibration and validation of satellite ocean colour imagery of coastal zone and lakes

**Askö Marine Laboratory, Sweden**

**from the 16th to 23rd May 2010**

**2 days of shiptime of R/V Oceania**

**for field work and practical training**

Organized by Nordic Network for

Aquatic Remote Sensing (*NordAquaRemS*)

Of the 19 students from 9 countries (Estonia, Finland, Germany, Iceland, Lithuania, Norway, Poland, Russia and Sweden), 13 were hosted on board the R/V Oceania

1 lecturer and two trainers from IOPAS

# Multidisciplinary ship-based training courses

R.V. *Celtic Voyager, from* Cork (Ireland), 14-19th August 2010

**2 courses (of 3 days each) for a total of 20 Postgraduate Students**

30% more applications than available berths).

Positive feedback (90/100 average - 4.48 average score of 17 rating categories).

# EUROFLEETS ship-based training course, for scientists and technicians, in multibeam echo sounder technology

25th to 27th January 2011

On board **G.O. Sars** (voluntary contributed by IMR) with instructor Torunn Haugland (kindly provied by **Kongsberg Maritime**)

12 selected young technicians and scientists from 12 different countries (from Belgium; Estonia; Ireland; Italy; Nigeria; Norway; Poland; Portugal; Romania; Spain; Turkey and UK)

# Ship-based Training for PhD students of Marine related Sciences on Practical skills in oceanography: equipment and data processing

R.V. *Salme,* Tallinn, Estonia  6-10 July 2011

11 students from
11 institutes
(9 different countries)

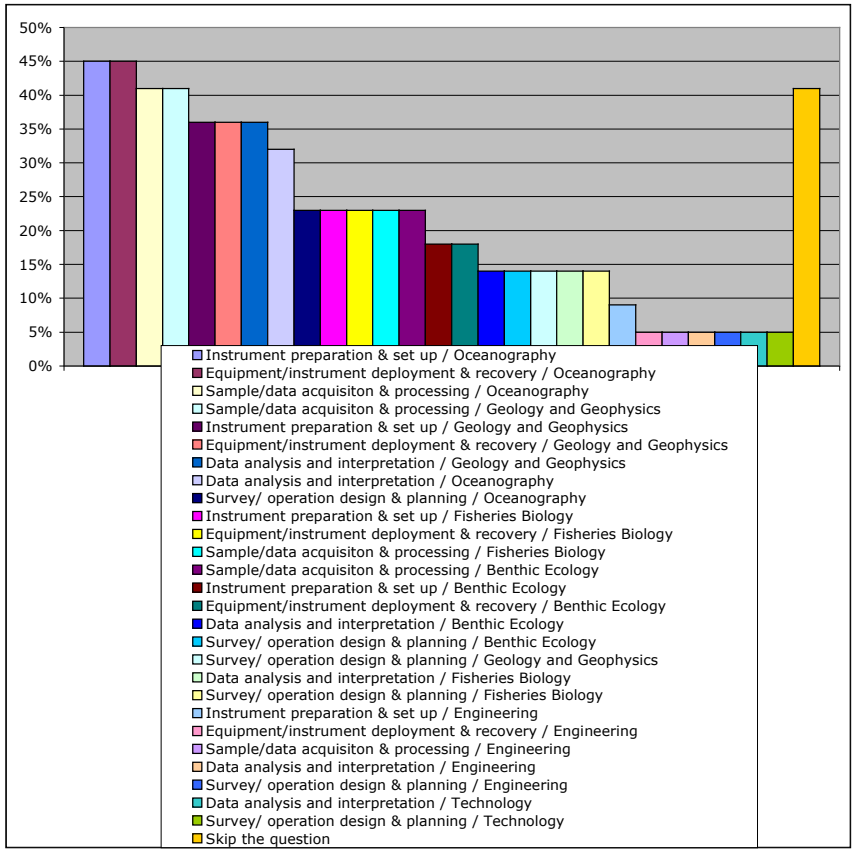
# Deliverable 6.1.1: report on training courses

**The report include:**

**- results from questionnnaires;**

**- reports of 4 on board courses (Askö, Cork, Bergen, Tallin);**

The specialised and intensive courses encompassed nearly 60 students from 19 different countries (Belgium, Denmark, Estonia, Finland, France, Germany, Iceland, Ireland, Italy, Latvia, Lithuania, Norway, Poland, Portugal, Romania, Russia, Spain, Sweden, UK).



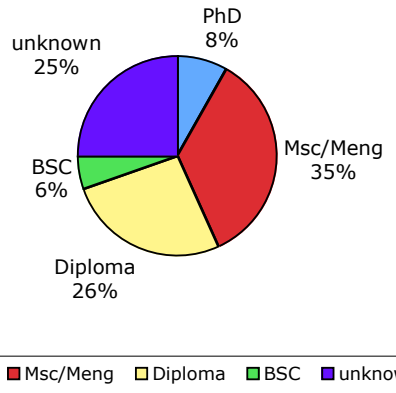

The training provided on board the research vessels of the interviewed institutions includes various disciplines and courses

# Deliverable 6.1.2: Register of exchangeable scientific and technical personnel

To produce a Register of Exchangeable technical personnel with specification of the experience according to a common format, a questionnaire was sent to all partners.

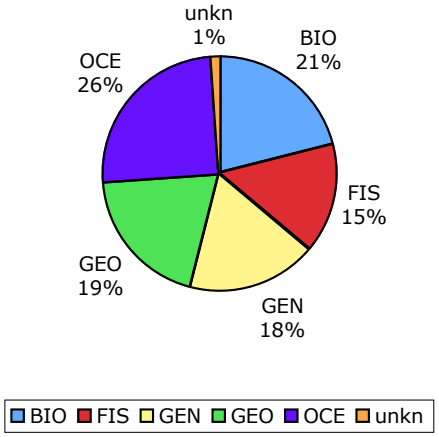
A total of 24 institutions have been surveyed belonging to 16 EU countries.

As a result, 72 questionnaires were compiled from 18 Institutions belonging to 15 EU countries.

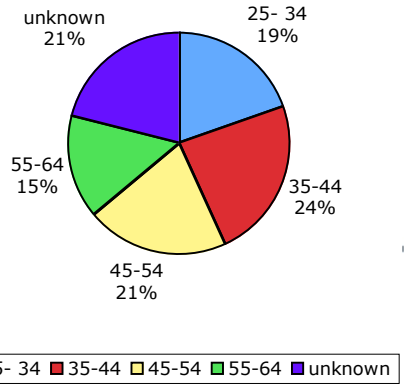



Formation

Discipline




Age



# Task 6.2 Transnational deployment teams

Kiel 6000 on Celtic Explorer (2009- 2012)

Holland 1 on the James Cook (2012)

Marum Technician on ROV Holland (2009)

**The exchange of technical personnel fostered by this working group favoured the set up of common procedures**

# Deliverable D6.5.1 Best practices in education

**EUROFLEETS beneficiaries:**

21 education activities derived from questionnaire by 18 institutions and,
11 education activities identified through internet search.

| | Number of Education Activities | | |
|---|---|---|---|
| Types of Activities | Questionnaire | Internet Search | TOTAL |
| Training of future scientists | 15 | 6 | **21** |
| Promotion of the marine sciences | 4 | 4 | **8** |
| General awareness raising activities | 2 | 1 | **3** |
| TOTAL | **21** | **11** | **32** |

**European Projects:**

6 activities identified through internet search of 667 FP6 and FP7 projects

**Other European and International Initiatives:**

25 education activities (8 European; 11 non-European; 6 International)

**Majority of the activities developed for University students.**
**Most common activity type: Training for future scientists.**

Considering these results, it has been decided to realize an educational activity for very young students (I°-II° level) for

**D6.5.2 Implementation of selected best practices for education**

# D6.5.2 Implementation of education activity on board of Vera Cruz


Two Science Teams, almost 130 undergraduate students, a Portuguese caravel on the Tagus estuary (13 - 15 may 2013 ).

The journey was aimed at encouraging students (from 4 Portuguese cities, between 8-19 years old) to perceive the role of the research vessels and investigation of the oceans (with particular attention to the Marine Geology/Geophysics and Physical Oceanography), and Portuguese maritime heritage.

The scientific program of the cruise was organized, by Professor Luís Filipe Menezes, scientist at the Center for Environmental Studies and the Sea (CESAM), University of Aveiro and scientists from the same university and from the Center of Oceanography from the University of Lisbon

# Conclusions

The provision of advanced off shore training in marine research methods and techniques is a central element of EUROFLEETS training programmes.

**It was only made possible through the kind, non EUROFLEETS-supported provision of RV ship-time, laboratory facilities time and travel costs of many instructors and all students.**

Evaluations of the participants to the 4 pilot training courses organized by Eurofleets claim that the Eurofleets training programme offers offshore training opportunities not otherwise available and utilises existing and extremely valuable capacity within the EU research vessel fleet.

Thanks to all for participating