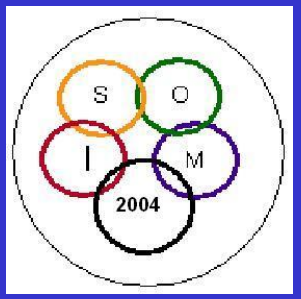
RV issues of interest outside the USA

- Ocean Facilities Exchange Group - status
- European Research Fleet Developments
- New builds in Europe: RV James Cook
- New ISOM organisation



NATURAL ENVIRONMENT RESEARCH COUNCIL

Federal Ministry of Education and Research

OFEG

Ocean Facilities Exchange Group

Ifremer

NIOZ

A step change in European barter activity

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The OFEG fleet

- Alkor
- Charles Darwin*
- Discovery
- Heincke
- James Clark Ross

- L'Atalante
- Le Suroit
- Merian
- Meteor
- Thalassa
- Pelagia
- Poseidon
- Sonne
- Pourquoi Pas?*
- James Cook*

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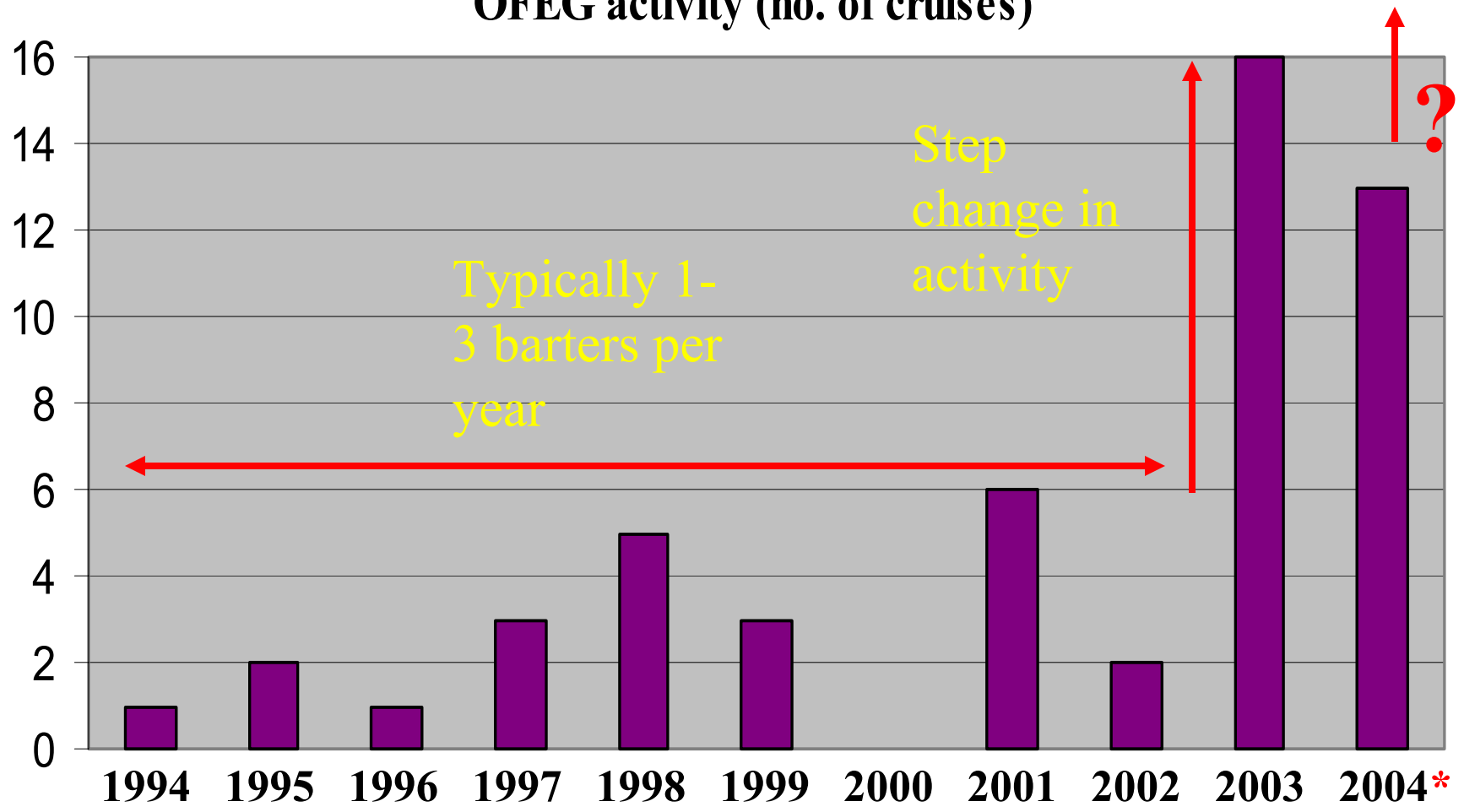
OFEG activity (no. of cruises)



* data by **June 04** - thus incomplete

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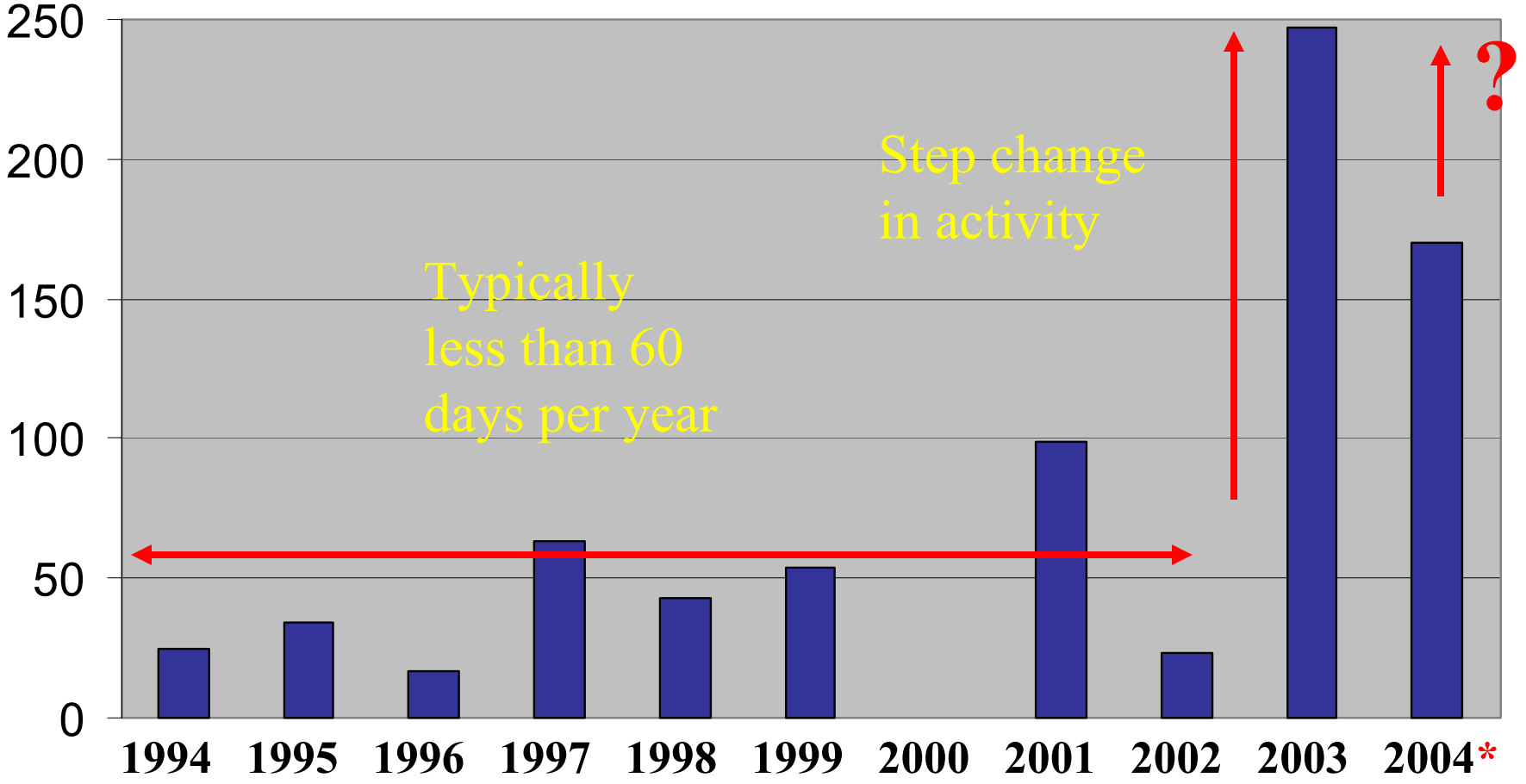
Ocean Facilities Exchange

Ifremer

NIOZ

OFEG activity (no. of days)



* data by **June 04** - thus incomplete

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Ocean Facilities Exchange Group

Ifremer

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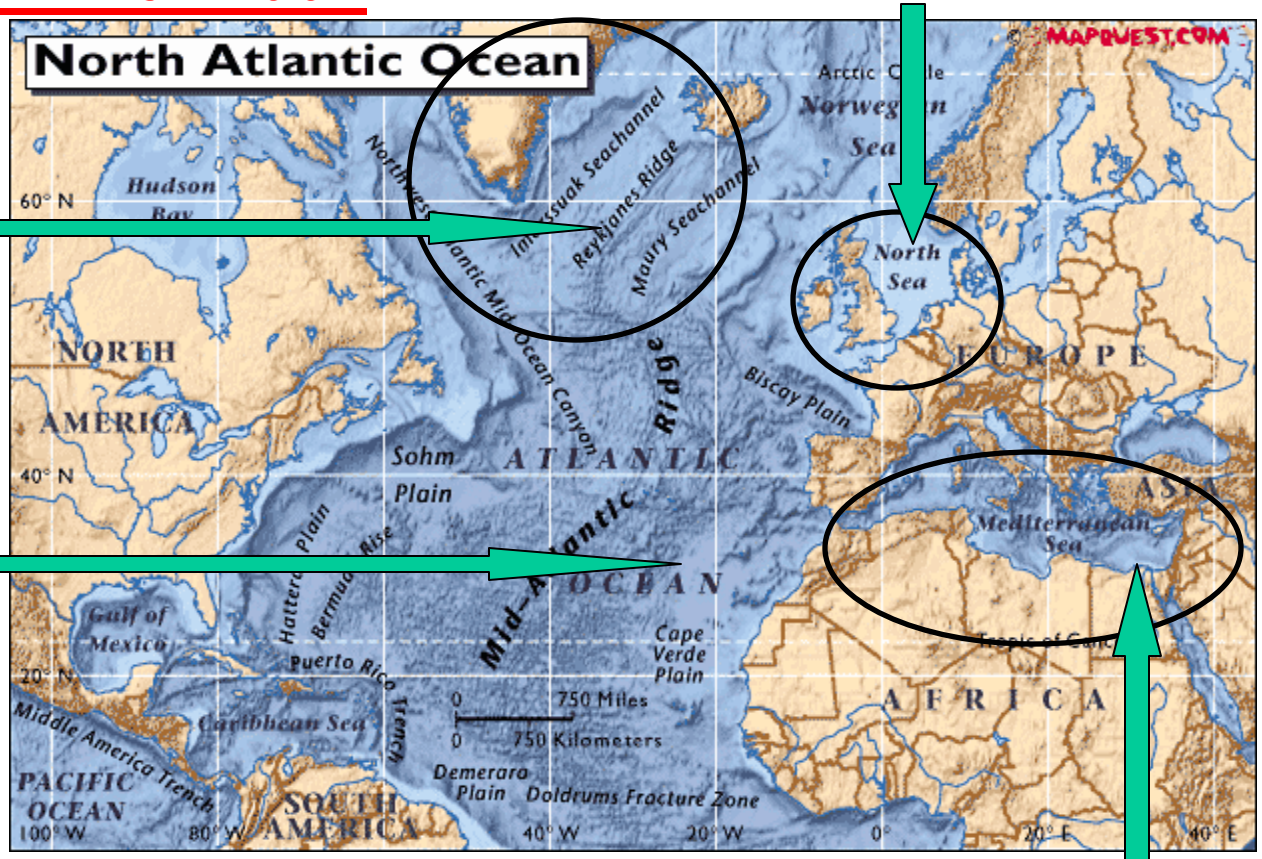
Example of geographical fleet planning Summer 2004

German ALKOR for Dutch team

UK DARWIN for German/Dutch teams

UK DARWIN intervention for recovery of Dutch drifting mooring



Dutch PELAGIA for German team

More information on the Tripartite Arrangement and OFEG can be found at:

http://ofeg.nerc.ac.uk

European Research Fleet Developments

OFWG **(Ocean research Fleets Working Group)**

Objectives

- Description of existing fleets (over 35 m) and their management
- Proposals for an enhanced European ocean fleet and its management
  - How to use the fleet more efficiently
  - How to establish a common long-term investment strategy

Report to be expected by March 2005

MarinERA

Co-ordination of National and Regional Marine RTD Activities

in Europe

ERA-NET project

Start date of project: 1 November 2004

Establishment of a **CONSORTIUM** of

15 core partners from 13 EU countries and the **ESF-MB**

IFREMER: overall coordinator

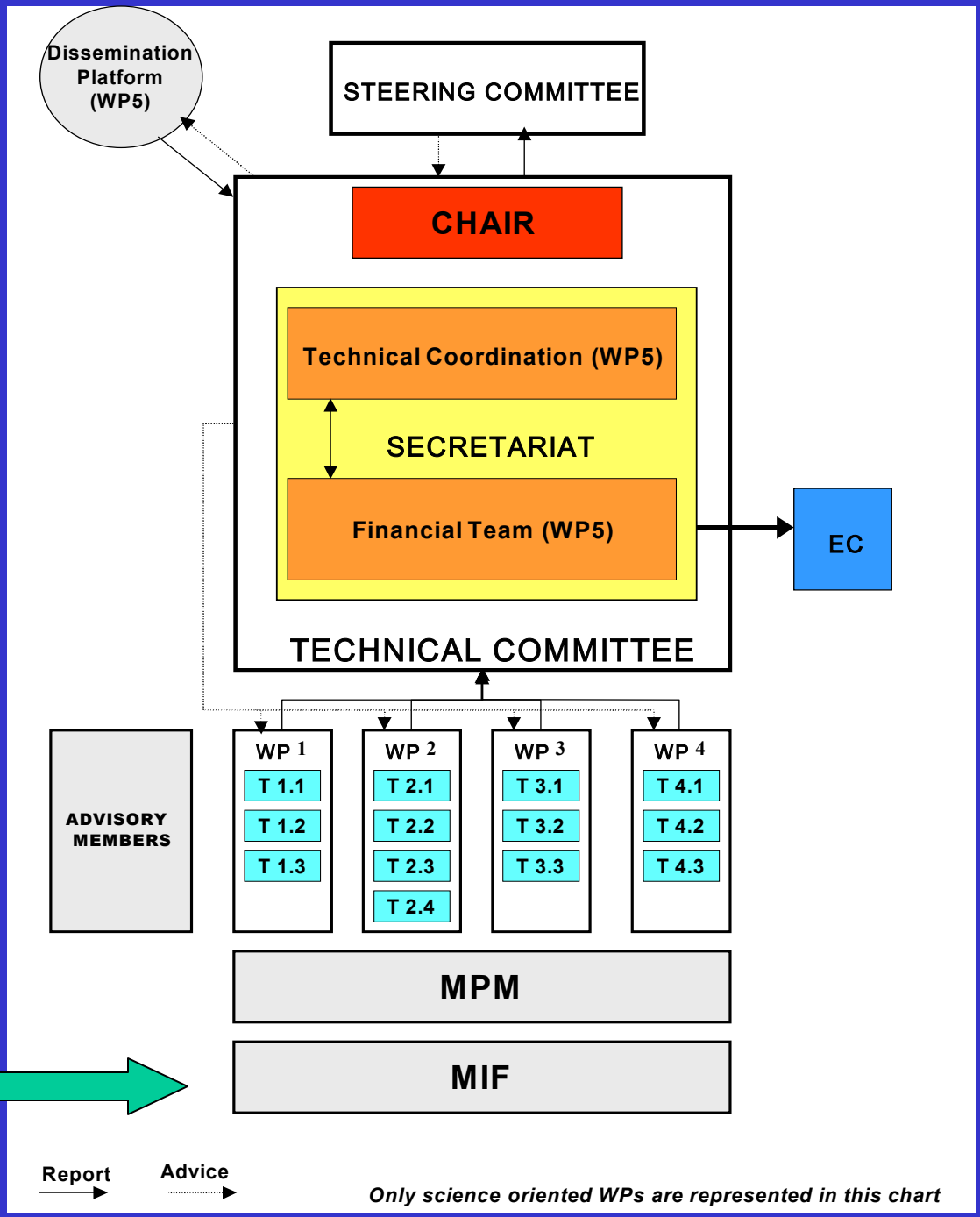
5 Work Packages

Of relevance to ship operators:

- **WP- 1: Information exchange - 1.3 Mapping Marine RTD infrastructure Facilities - lead Ireland**
- **WP-2: Strategic activities - 2.4 Marine RTD infrastructure strategies - lead Spain**
- **WP-3: Joint activities - 3.3 Facilitating common access to existing marine RTD infrastructure and facilities - lead NL**

ORGANISATION

Of relevance to RV operators



MIF: Forum of Marine Infrastructure Managers

Individuals responsible for marine infrastructure management within each of the associated countries will be invited to convene within the MIF.

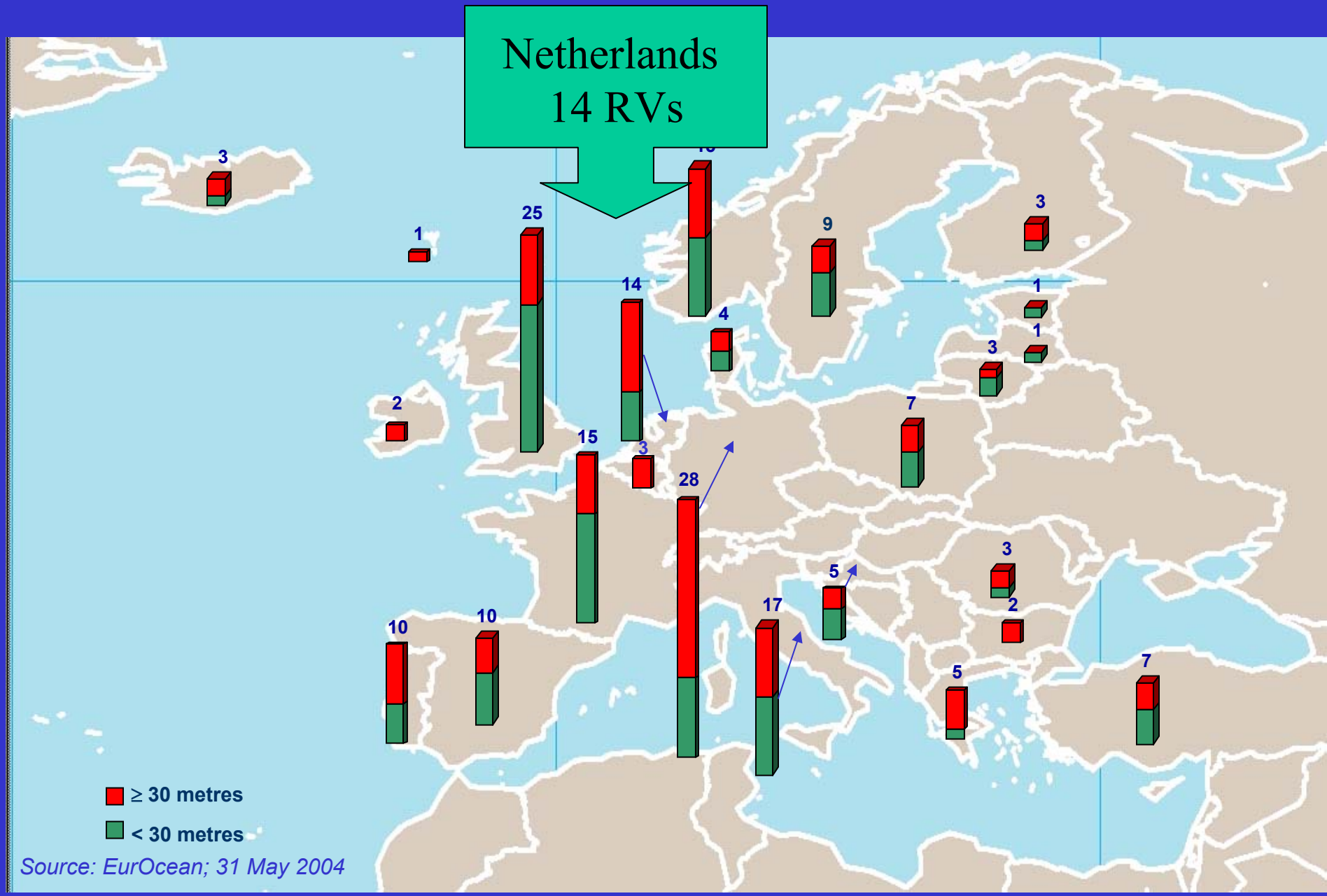
They will be supported to network their priorities and requirements, and will be encouraged, where appropriate, to develop initiatives.

Creation of **MIF** underway

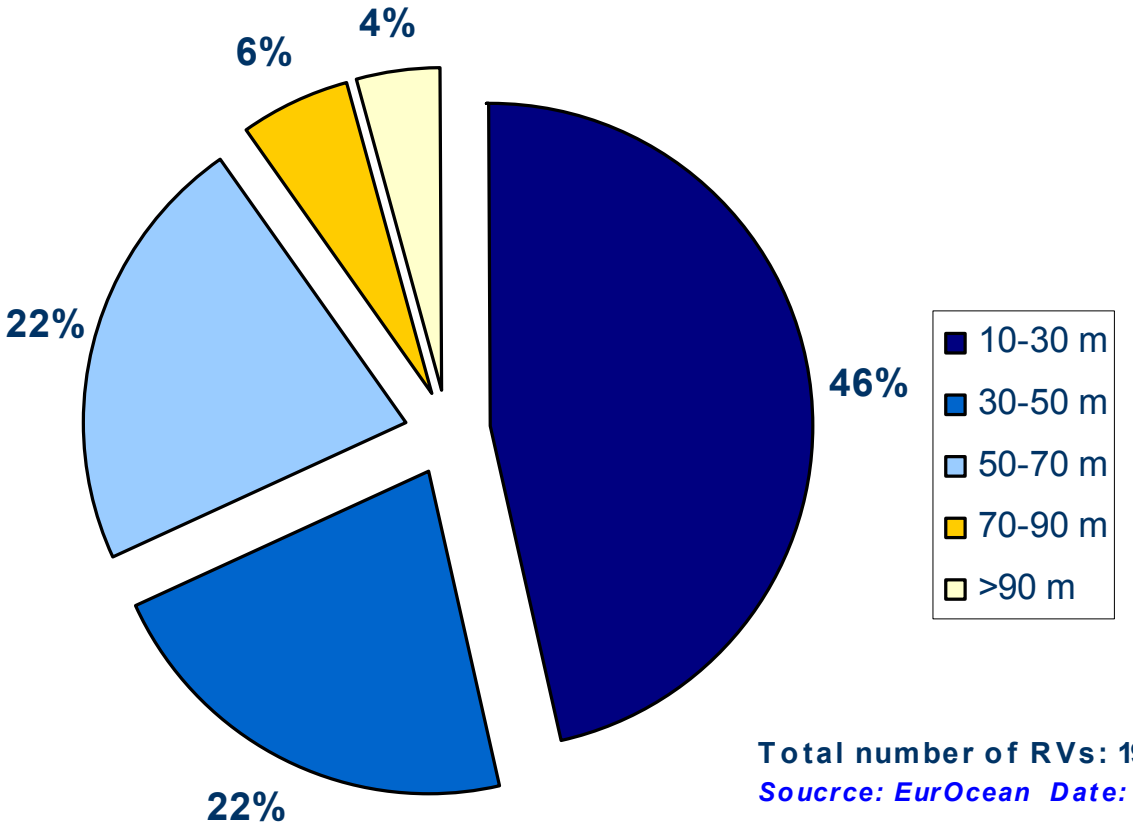
First meeting scheduled April 2005

HOW to MAKE an INVENTORY of the EUROPEAN RESEARCH FLEET

- EurOcean Portal & OCEANIC
- Von Spee Report (2000) with update
- Other


Netherlands
14 RVs
3
1
25
14
4
9
3
1
1
3
2
15
3
28
7
3
5
17
10
10
2
5
7
≥ 30 metres
< 30 metres
Source: EurOcean; 31 May 2004

European RVs by length (m)



Total number of RVs: 194

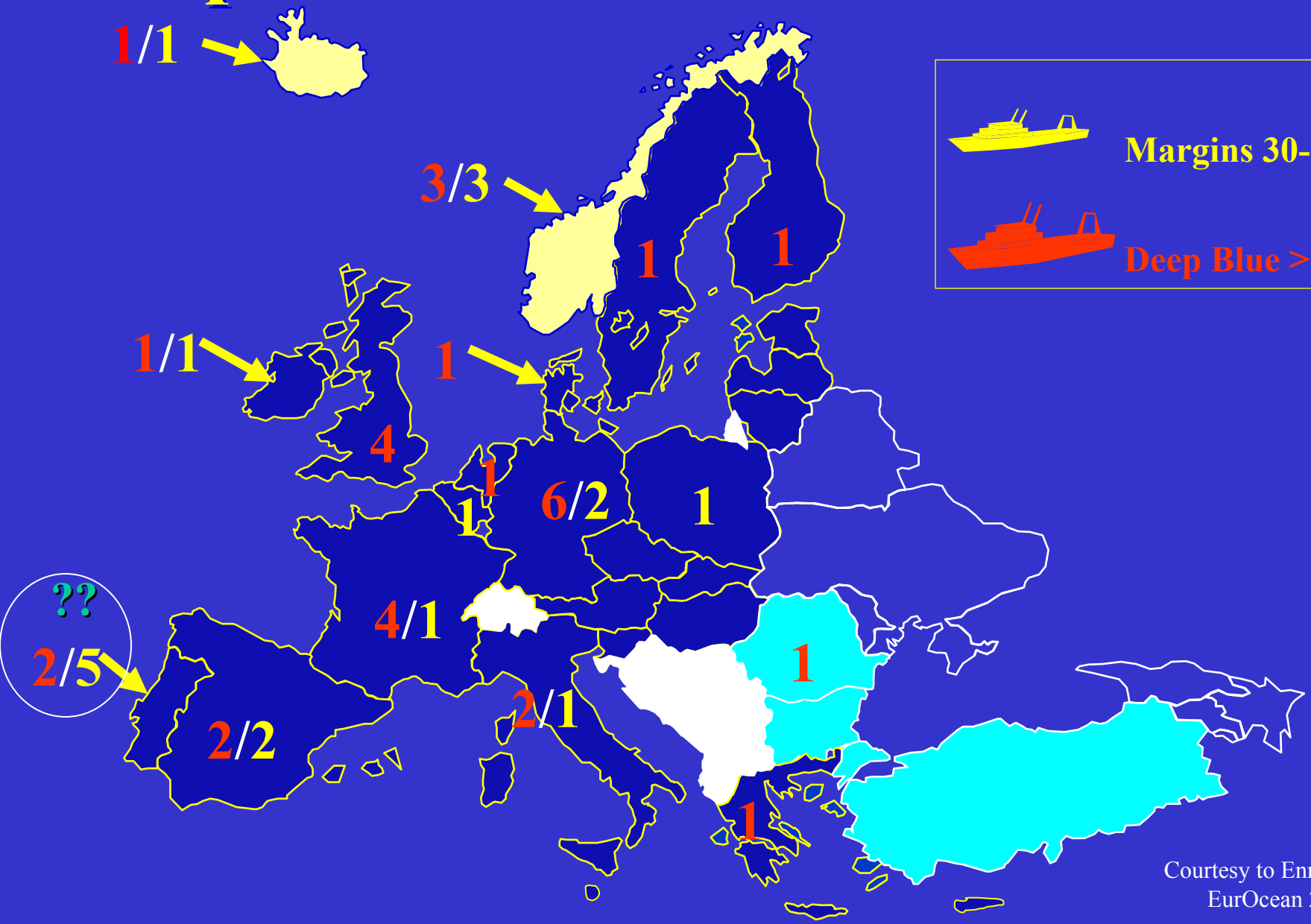
Soucrce: EurOcean Date: 1 June 2004

BELGICA A962	51	Belgium
DANA	78	Denmark
ARANDA	60	Finland
L'ATALANTE	85	France
LE SUROIT	56	France
MARION DUFRESNE	121	France
POURQUOI PAS?	105	France
THALASSA	74	France/Spain
ALKOR	55	Germany
GAUSS	69	Germany
HEINCKE	55	Germany
M.S. MERIAN	95	Germany
METEOR	98	Germany
POLARSTERN	118	Germany
POSEIDON	61	Germany
SONNE	98	Germany
AEGAEO	62	Greece
BJARNI SæMUNDSSON	55	Iceland
ÁRNI FRIðRIKSSON	70	Iceland
CELTIC EXPLORER	65	Ireland
CELTIC VOYAGER	31	Ireland

EXPLORA	73	Italy
UNIVERSITATIS	45	Italy
URANIA	61	Italy
PELAGIA	66	Netherlands
DR FRIDTJOF NANSEN	57	Norway
New G.O.SARS	77	Norway
HAKON MOSBY	47	Norway
JAN MAYEN	64	Norway
JOHAN HJORT	64	Norway
MICHAEL SARS	48	Norway
OCEANIA	48	Poland
MARE NIGRUM	82	Romania
CORNIDE DE SAAVEDRA	67	Spain
GARCIA DEL CID	37	Spain
HESPERIDES	83	Spain
VIZCONDE DE EZA	53	Spain
ARGOS	61	Sweden
CHARLES DARWIN	69	UK
DISCOVERY	90	UK
ERNEST SHACKLETON	80	UK
JAMES CLARK ROSS	99	UK

Total RVs in Europe for Academic research: 42

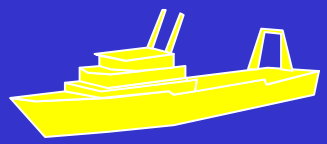
European Research Vessels over 30m



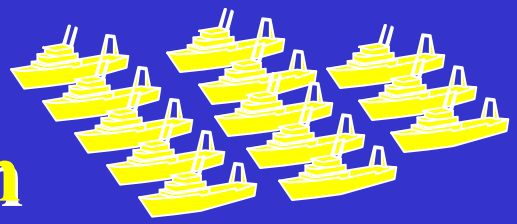
Courtesy to Enric Banda
EurOcean 2004

Research Vessels over 30m

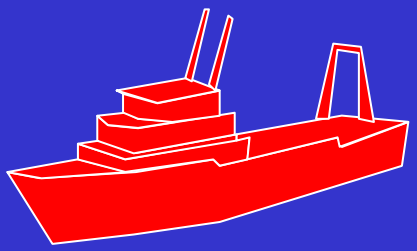
in Europe: total 42



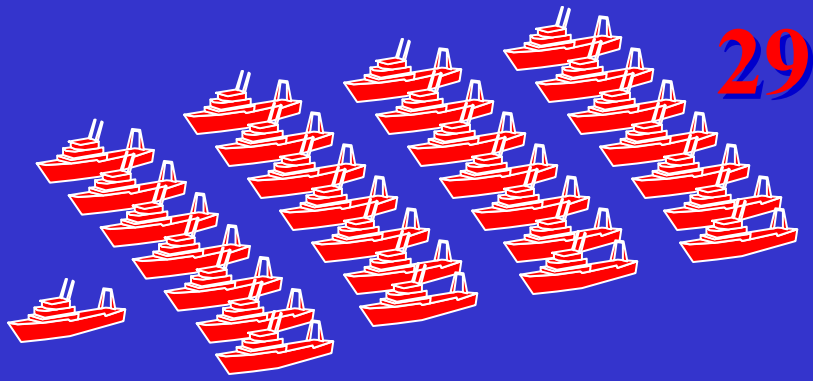
Margins 30-60m



13



Deep blue > 60m

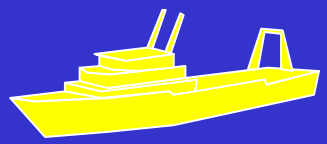


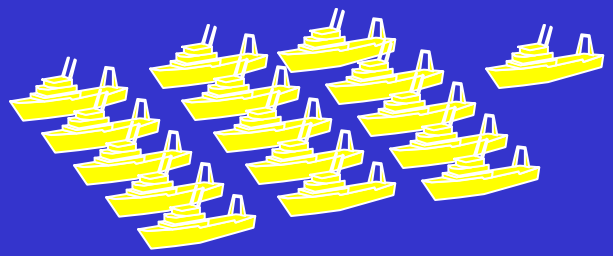
29

Including a number of RVs for ICES stock assessment

Research Vessels within UNOLS

Over 30 m (100 ft) Total 26

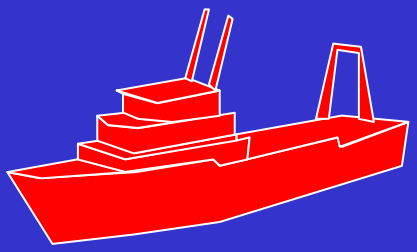


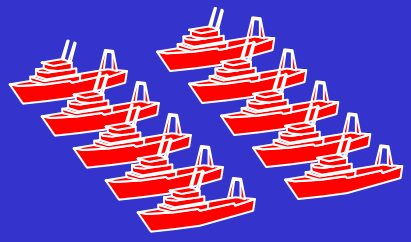


16

Regional & Ocean 30-65m

Global > 65m





10

Including 3 USCG Ice breakers and NOAA Ron Brown
Excluding 5 small RVs < 30 m (100 ft)

Problems to solve:

- Concern within European Governments about the size of the European RV fleet

USA as an example: but then solely UNOLS Fleet: an Academic fleet of 28, exluding 3 USCG Icebreakers.

What is needed:

- Definement of Academic RV
- A balanced, more representative comparison between the RV fleets
- An objective statement on required ship-time capacity

New builds: RV James Cook

RV JAMES COOK - NERC, UK

R/V JAMES COOK

(formerly R.R.S. CHARLES DARWIN REPLACEMENT)

COMPARISON OF VESSEL KEY DATA

Updated 14 JULY 2004

DESCRIPTION	DISCOVERY	CHARLES DARWIN	JAMES COOK
GENERAL			
Length Overall	90.25 metres	69.40 metres	89.20m
Breadth	14.02 metres	14.40 metres	18.60m
Draft	5.30 metres	4.90 metres	5.50m – 5.7m
Displacement	4,378 tonnes	2,556 tonnes	5300 tonnes at 5.5m
Hull Type	Conventional with transom	Conventional with transom	Conventional with V bulb and transom
Ice Class	1D	NO	1C
Maximum Speed SS 0:	14.5 knots	12.5 knots	In excess of 16 knots
Cruising speed:	11 knots	11 knots	12 knots
Maximum Endurance	55 days	45 days	50 days
Science & Stores DW	330 tonnes	90 tonnes	400 tonnes
Date of Build Delivery	1962	1984	Aug-06
Date of Conversion	1992	-	-

Accommodation: 32 singles Science team

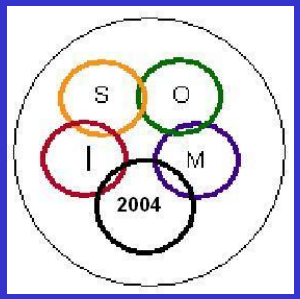
9 singles Officers

13 singles Crew and Technicians

USD 65 million

Delivery 31 August 2006

New ISOM organisation



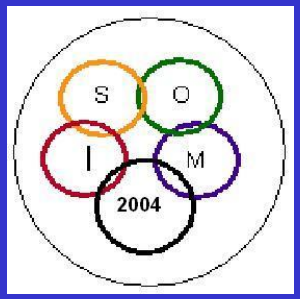
ISOM ORGANISATION

Since 1987 ISOM is an informal platform of managers of research ship fleets, that has grown from 17 members from 8 countries to 70 members of 25 countries and 4 international organisations.

It is attended voluntarily, and it depends for its organisational and administrative work completely on volunteers: the Secretary and the Host of the year.

Main concerns:

- secure continuity
- share knowledge
- more even distribution of work load



ISOM ORGANISATION

At the 18th ISOM on Rhodes, Greece, ISOM adopted a more formal structure.
This resulted in a Chair and a Vice Chair/Chair Elect, who takes over a number of activities from the Secretary.
Term is 2 years. When the Chair steps down the Vice Chair/Chair Elect will step up as Chair, and the former Chair will continue for a 2 year term as past Chair.

ISOM TANDEM

Marieke Rietveld, Netherlands - Chair
Per Nieuwejaar, Norway - Vice Chair/Chair Elect

THE END