Regular updates of the EVIOR portal
20 March 2015 – Version 2

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1. Introduction

The objectives of EUROFLEETS2 WP4 TASK 4.3 Subtask 1 are to improve information sharing on planned, current and completed cruises and on details of ocean-going research vessels and specialised equipment owned by the EUROFLEETS2 beneficiaries, to enhance awareness of opportunities among the beneficiaries, and to durably improve cost-effectiveness of cruises. Therefore the WP4 partners maintain the population of databases as part of the European Virtual Infrastructure in Ocean Research (EVIOR). These databases concern:

- Research vessels, maintained by EurOcean with input of RV operators
- Cruise Programmes, maintained by BODC and MARIS with input of RV operators
- Cruise Summary Reports, maintained by BSH and MARIS with input from the SeaDataNet NODC's
- European Large Exchangeable Instruments, maintained by EurOcean with input of research institutes

These operations are continued from the previous EUROFLEETS project in which the initial EUROFLEETS Integrated Information Portal has been developed and launched mid March 2010. In May 2013 this has been upgraded to the European Virtual Infrastructure in Ocean Research (EVIOR) which is operational since.

The EVIOR portal can be found at the EUROFLEETS main website: http://www.eurofleets.eu.

This progress report gives an overview of the activities undertaken for populating and maintaining the infobases and the results achieved in the period up to M24 (March 2015). It also gives an overview of the usage of the portal by various users.

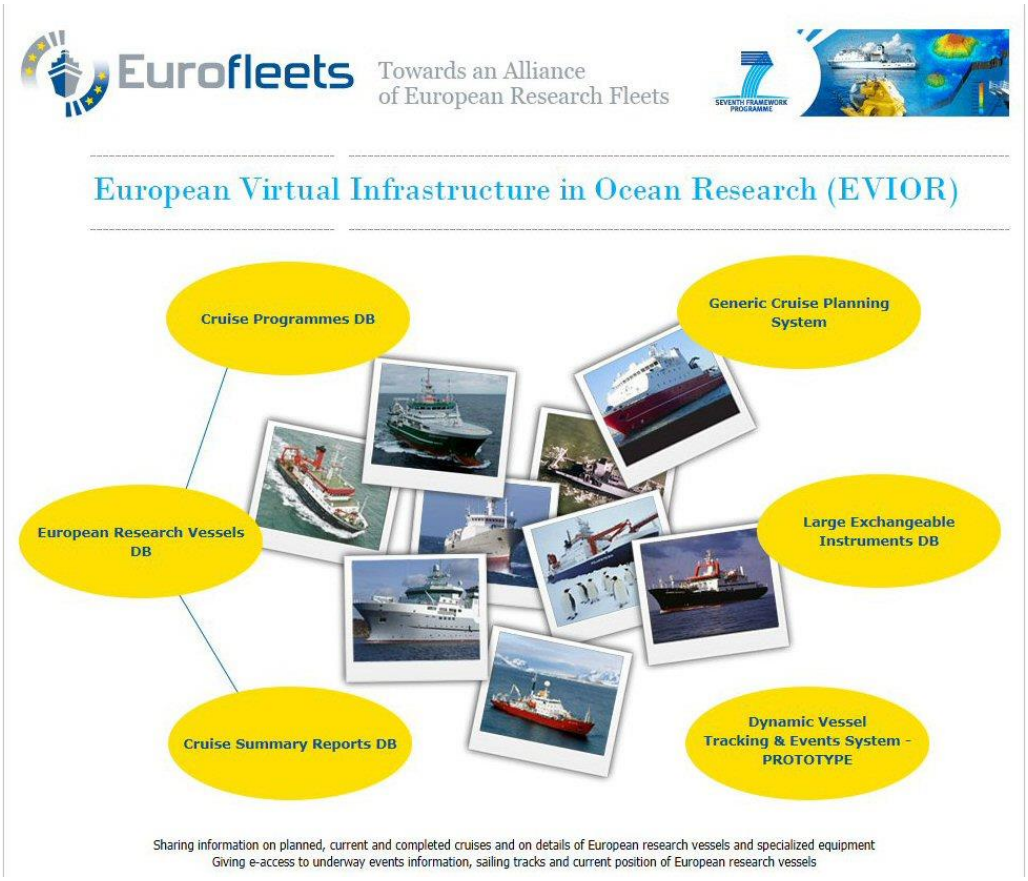
2. Modules of the EUROFLEETS European Virtual Infrastructure in Ocean Research - EVIOR

The EUROFLEETS European Virtual Infrastructure in Ocean Research - EVIOR portal can be found from the EUROFLEETS main website: http://www.eurofleets.eu

Intro to the EUROFLEETS EVIOR portal at the EUROFLEETS website

The EUROFLEETS main website gives a menu option to the EVIOR portal and an introductory page to present the EVIOR portal and its modules. The **European Virtual Infrastructure in Ocean Research (EVIOR)** has been implemented by way of an integrated information portal, providing up-to-date information about research vessels (RV), cruise programmes, completed cruises and special equipment. This portal is operational and maintained since March 2010 with in 2012 an expansion with large equipment information. In 2013 two more services have been added by means of a Generic Cruise Planning System and for Dynamic Vessel Tracking & Events System. The portal development did not start from scratch, but it integrates and upgrades a number of existing database modules from the SeaDataNet pan-European marine and ocean data management infrastructure, EurOcean and POGO - Partnership for Observation of the Global Oceans.

Clicking on the ***"Visit the EUROFLEETS Integrated Information Portal"*** leads to the main menu of the EVIOR portal as given below.



Main menu of the EVIOR portal

The EVIOR portal gives access to the following 4 main infobases:

- **Research Vessel Cruise Programme** database, containing planned cruises per research vessel and owner/operator.
- **Research Vessel** database, containing characteristics of each research vessel, owner/operator contact details and, if available, a link to the ship's web page.
- **Cruise Summary Reports (CSR)** database, containing details of completed cruises and providing a first level inventory of oceanographic measurements made and samples taken during the cruises
- **European Large Exchangeable Instruments (LEXI)** database, containing characteristics of twenty seven categories of instruments, including the previous LEXI – large Exchangeable Instruments InfoBase and the UV - European Underwater Vehicles InfoBase

In addition it gives access to:

- **Prototype for a Dynamic Vessel Tracking & Events System**
- **Generic Cruise Planning System**

This Deliverable D4.4 reports about the population of the 4 main infobases till M24.

3. Population, maintenance and usage of the Cruise Programme database

This database contains planned cruises per research vessel and owner / operator. Entries are to be collated from vessel operators and managed by BODC (contact: Lesley Rickards at ljr@bodc.ac.uk) subcontractor to MARIS in EUROFLEETS 2, while the database is technically managed and operated by MARIS.

The Cruise Programme database was developed and launched with instructions and user manual for metadata collection/update by beneficiaries early 2010 and distributed to beneficiaries together with a template spreadsheet to be completed with cruise programme information. The information required for the Research Vessel Cruise Programme Database is summarised below.

Research Vessel Cruise Programme Database Fields

Information requested	Vocabulary	Mandatory?	Comments
ICES Ship Code	C17	Mandatory	Provided on the list of research vessels and contacts
Cruise name/number		Mandatory	
Ship Operator	EDMO	Mandatory	Select entry from EDMO (e.g. EDMO Record Id)
Country of Ship Operator	C32	Mandatory	Select entry from vocabulary (e.g. BE = Belgium)
Departure Port	C38	Mandatory	Select entry from vocabulary (e.g. BSH118 = Lisbon)
Arrival Port	C38	Mandatory	Select entry from vocabulary
Departure Date		Mandatory	Year, month, day (YYYY-MM-DD)
Arrival Date		Mandatory	Year, month, day (YYYY-MM-DD)
Specific Area		Mandatory	Brief description of area to be visited
General Area	C16		These are based on IHB Sea Areas, but with some extensions for SeaDataNet (e.g. 28C = Strait of Sicily).
General Area 2	C16		
General Area 3	C16		
General Area 4	C16		
Latitude (most southerly)		Mandatory	Most southerly latitude (dd.[dd]) between +90 and -90. Latitudes south of the equator are negative.
Latitude (most northerly)		Mandatory	Most northerly latitude (dd.[dd]) between +90 and -90. Latitudes south of the equator are negative.
Longitude (most westerly)		Mandatory	Most westerly longitude (ddd[.dd]) between +180 and -180. Longitudes west of zero are negative
Longitude (most easterly)		Mandatory	Most easterly longitude (ddd[.dd]) between +180 and -180. Longitudes west of zero are negative.
General Discipline 1	P08		Select entry from vocabulary (e.g. DS01 = biological oceanography)
General Discipline 2	P08		Select entry from vocabulary
Chief Scientist name		Mandatory	
Chief scientist e-mail			
Organisation of Chief Scientist	EDMO		Select entry from EDMO (e.g. EDMO Record Id)
Funding Agency 1	EDMO	Mandatory	Select entry from EDMO (e.g. EDMO Record Id)
Funding Agency 2			
Proposal ID			
Project			Name and acronym of main project or experiment with which the cruise is associated (e.g. CLIVAR, RAPID, IMBER)
Subsidiary project 1			Other project or experiment associated with the cruise
Subsidiary project 2			Other project or experiment associated with the

			cruise
Berths Available	Y, N, U	Mandatory	Choose from Yes (Y), No (N) or Unknown (U)
Link to other relevant web sites 1			e.g. cruise or project website if available
Link to other relevant web sites 2			e.g. cruise or project website if available
Cruise Objectives			Any other relevant information, e.g. brief summary of cruise objective
Cruise status	L14	Mandatory	Use terms from L14 mapped as follows: PO = Scheduled; OP = Current; IA = Completed; CA = Cancelled
Planned cruise track			Name of image file showing planned cruise track if available (gif, jpg, jpeg)

Table with metadata fields for Cruise Programme database

As far as possible the database has built on the work already carried out for the Partnership for Observation of the Global Ocean (POGO) and utilises the European Directory of Marine Organisations (EDMO) and common vocabularies developed and maintained by the EU FP6 - FP7 SeaDataNet projects.

In early 2010, beneficiaries were requested for the first time to provide the information required using a spreadsheet template. Alternatively provision was made for the information to be entered manually into an online Content Management System (CMS). Ever since each year updates are requested from the RV operators, giving a choice of both options. This has also resulted in a number of RV operators asking for an online account to the Cruise Programme online CMS to enter their entries themselves, while others make use of the spreadsheet template. The current status for the cruise programme database is given below:

Country	Research Vessels	2010	2011	2012	2013	2014	2015
Belgium	Belgica	40	38	37	38	36	36
	Simon Stevin	0	0	0	0	0	6
Denmark	Dana	0	0	0	0	0	3
Estonia	Salme	0	5	0	0	0	0
Finland	Aranda	0	0	0	0	0	10
France	L'Atalante	5	8	9	0	7	7
	Le Suroit	5	4	5	1	4	5
	Marion Dufresne	6	3	6	0	0	1
	Pourquoi pas?	12	12	9	0	8	7
	Thalassa	8	3	9	0	6	6
Germany	Heincke	0	29	21	20	0	19
	Maria S. Merian	0	0	12	14	9	5
	Meteor	1	14	16	15	1	7
	Polarstern	9	11	10	16	11	8
	Poseidon	0	16	20	22	0	0
	Sonne	1	7	8	13	8	0
	Walther Herwig III	0	10	11	10	0	0
Greece	Aegaeo	21	10	12	0	0	7
Iceland	Bjarni Saemundsson	0	0	1	1	0	0
Ireland	Celtic Explorer	17	17	16	17	19	16
	Celtic Voyager	25	33	29	21	19	29

Italy	G. Dallaporta	0	23	0	0	0	0
	OGS Explora	5	0	1	0	0	0
	Urania	0	21	0	0	24	11
Netherlands	Pelagia	8	17	10	18	11	5
Norway	Dr. Fridtjof Nansen	0	0	0	0	0	0
	Eros	0	0	0	0	0	0
	G. M. Dannevig	0	0	0	0	0	35
	G.O. Sars	0	17	19	1	0	18
	Haakon Mosby	0	0	0	0	0	25
	Helmer Hanssen	0	0	10	0	0	0
	Jan Mayen	0	3	0	0	0	0
	Johan Hjort	0	16	11	0	0	12
	Lance	0	0	12	0	0	0
	Libas	0	0	0	0	0	0
Poland	Oceania	11	16	18	19	16	19
Portugal	Almirante Gago Coutinho	0	0	2	2	2	4
	Andromeda	0	0	5	6	3	3
	Auriga	0	0	6	7	3	0
	D. Carlos I	0	0	0	1	3	4
Romania	Mare Nigrum	5	10	9	0	0	9
Spain	Angeles Alvarino	0	0	0	0	0	14
	Francisco De Paula Navarro	0	0	0	0	0	10
	Hesperides	8	8	3	0	0	7
	Ramon Margalef	0	0	0	0	0	18
	Sarmiento de Gamboa	9	16	7	0	0	0
Sweden	Argos	19	0	0	0	0	0
	KBV 001 Poseidon	0	0	11	0	0	0
	Unknown	0	0	2	0	0	0
Turkey	Bilim-2	11	16	13	1	0	0
United Kingdom	Alba Na Mara	0	0	0	0	4	2
	Cefas Endeavour	0	0	0	17	16	13
	Discovery	7	11	7	0	2	10
	Ernest Shackleton	0	0	0	0	0	0
	James Clark Ross	2	0	0	0	1	4
	James Cook	4	8	7	1	5	13
	Scotia	0	15	10	0	3	4
Totals		**239**	**417**	**394**	**261**	**221**	**412**

Status 20 March 2015

Table: Cruise Programme Status for 2010, 2011, 2012, 2013, 2014 and 2015 cruises

The total number of cruises in the Cruise Programme Database, including information provided *via* the POGO International Cruise Information System prior to the EUROFLEETS project, is now 2650; the breakdown is shown below.

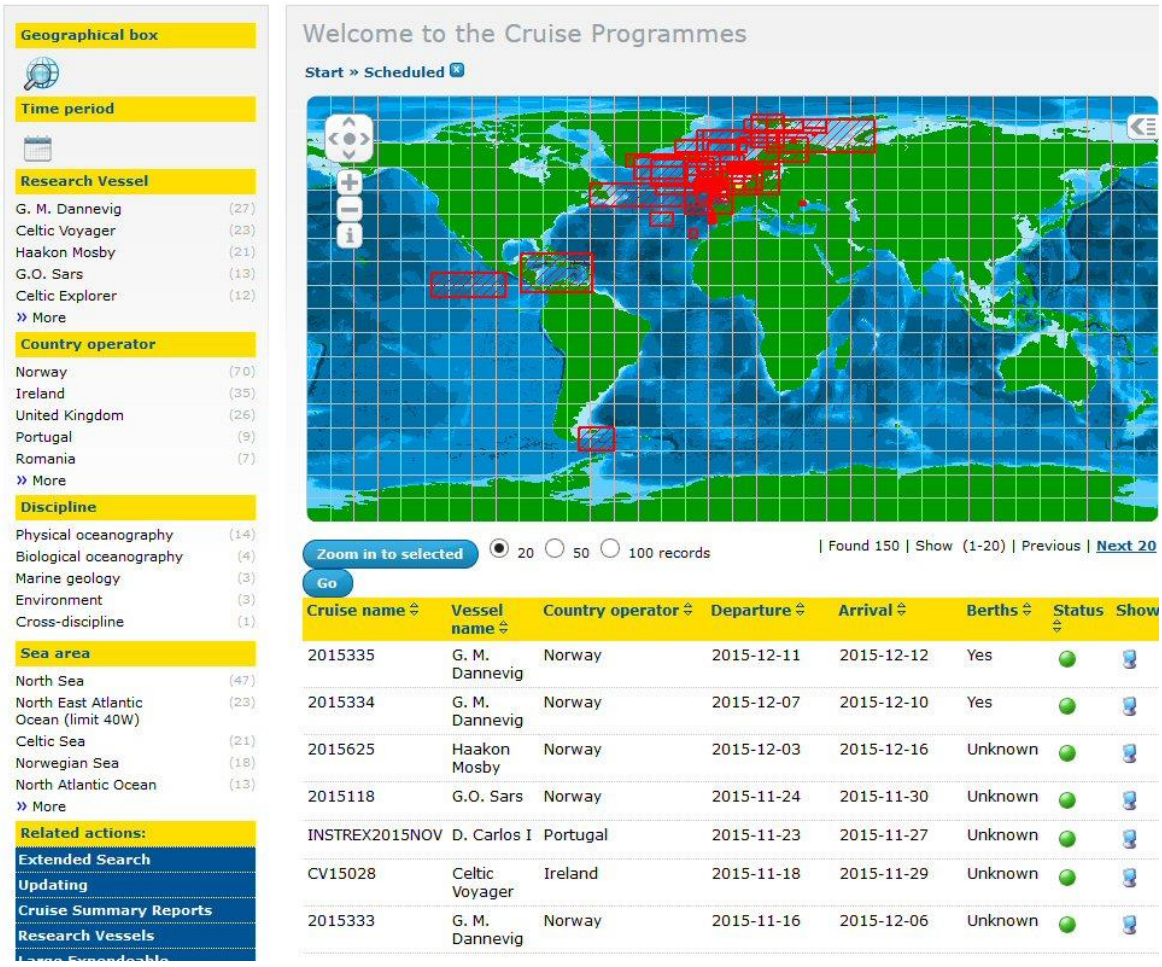
Cruise Programme Status - total number of cruises by year
2007 – 225 cruises
2008 – 253 cruises
2009 – 221 cruises
2010 – 239 cruises
2011 – 417 cruises
2012 – 394 cruises
2013 – 261 cruises
2014 – 221 cruises
2015 – 419 cruises

Country	No. of Cruises
Belgium	345
Denmark	3
Estonia	5
Finland	27
France	212
Germany	438
Greece	51
Iceland	20
Ireland	293
Italy	111
Netherlands	114
Norway	336
Poland	98
Portugal	51
Romania	32
Spain	143
Sweden	87
Turkey	41
United Kingdom	228

Table: Cruise Programme Status - total number of cruise programmes by country since 2007

Routine activities include continuing to chase up outstanding cruise programmes, responding to beneficiaries' questions and queries, ensuring that also the research vessel information is kept up to date and encouraging submission of also Cruise Summary Reports.

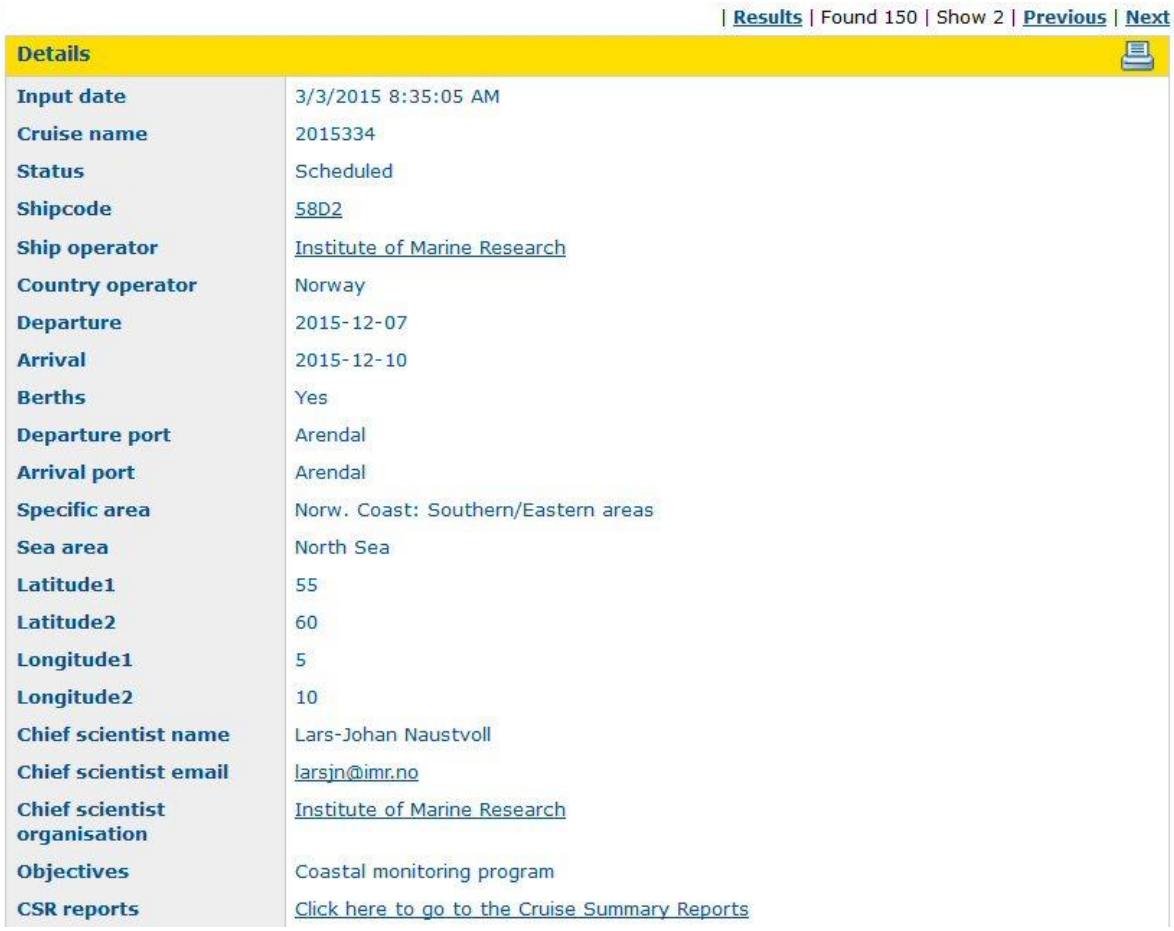
The following images give illustrations of the Cruise Programme database search dialogue.



Cruise Programme database –search for Scheduled cruises

The next image gives the details of a selected Cruise Programme entry. It contains various hyperlinks to retrieve:

- More information about the Research Vessel from the EUROFLEETS RV database by Shipcode and Vessel name
- More information about the Ship Operator from the SeaDataNet EDMO (European Directory of Marine Organisations) database
- More information about the Chief Scientist Organisation from the SeaDataNet EDMO database
- More information from the Funding Organisation from the SeaDataNet EDMO database
- More information about Cruise Summary Reports of the Research Vessel from the EUROFLEETS Cruise Summary Reports database



| Results | Found 150 | Show 2 | Previous | Next

Details

Input date	3/3/2015 8:35:05 AM
Cruise name	2015334
Status	Scheduled
Shipcode	58D2
Ship operator	Institute of Marine Research
Country operator	Norway
Departure	2015-12-07
Arrival	2015-12-10
Berths	Yes
Departure port	Arendal
Arrival port	Arendal
Specific area	Norw. Coast: Southern/Eastern areas
Sea area	North Sea
Latitude1	55
Latitude2	60
Longitude1	5
Longitude2	10
Chief scientist name	Lars-Johan Naustvoll
Chief scientist email	larsjn@imr.no
Chief scientist organisation	Institute of Marine Research
Objectives	Coastal monitoring program
CSR reports	Click here to go to the Cruise Summary Reports

Cruise Programme database –Detailed factsheet for one planned cruise

Usage of the Cruise Programme database

The Cruise Programme database service was launched in March 2010 and user statistics are maintained using AW Stats. The following table gives the number of users and visited pages since March 2010. This also includes the related Cruise Summary Reports database service.

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
mar 2010	41	121	4,56	12,577	66.63 MB
apr-10	32	68	2,502	4,906	22.62 MB
may 2010	44	94	3,129	6,038	30.00 MB
jun-10	33	46	664	1,732	10.35 MB
jul-10	37	46	1,997	3,895	20.86 MB
aug-10	38	52	2,378	4,64	20.04 MB
sep-10	46	61	2,061	5,133	23.28 MB
oct 2010	36	41	1,431	3,237	13.32 MB
nov-10	41	60	1,781	4,824	17.96 MB
dec-10	29	38	625	1,632	8.30 MB
TOTALS	377	627	1308,84	48,614	

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2011	40	48	852	2,260	10.73 MB
Feb 2011	53	71	1,629	3,842	17.12 MB
Mar 2011	38	57	1,424	3,403	16.10 MB
Apr 2011	33	46	1,629	5,451	42.88 MB
May 2011	51	64	2,353	6,318	44.13 MB
Jun 2011	30	35	750	2,373	13.60 MB
Jul 2011	25	41	1,421	3,258	22.84 MB
Aug 2011	36	83	2,598	5,622	30.59 MB
Sep 2011	68	123	5,477	11,382	59.26 MB
Oct 2011	57	66	2,327	4,718	60.25 MB
Nov 2011	54	73	2,267	4,657	20.29 MB
Dec 2011	35	62	1,110	2,633	18.62 MB
Total	520	769	23,837	55,917	356.42 MB

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2012	55	79	2,066	4,576	28.86 MB
Feb 2012	75	99	2,837	5,752	31.40 MB
Mar 2012	53	66	1,369	3,366	20.18 MB
Apr 2012	43	52	1,188	3,167	14.79 MB
May 2012	64	79	2,362	5,368	32.38 MB
Jun 2012	52	61	1,536	3,412	18.22 MB
Jul 2012	57	104	3,467	7,905	38.78 MB
Aug 2012	36	62	1,085	2,602	16.39 MB
Sep 2012	77	114	4,717	9,452	53.23 MB
Oct 2012	143	222	9,878	18,920	110.14 MB
Nov 2012	109	147	3,699	7,959	43.59 MB
Dec 2012	84	101	1,508	3,385	17.43 MB
Total	848	1,186	35,712	75,864	425.39 MB

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2013	78	138	3,837	8,890	78.68 MB
Feb 2013	212	538	4,335	7,817	14.58 MB
Mar 2013	183	675	4,378	7,584	48.75 MB
Apr 2013	116	297	2,791	5,774	155.03 MB
May 2013	71	159	6,601	10,573	982.16 MB
Jun 2013	84	120	3,328	7,035	62.41 MB
Jul 2013	74	113	2,778	5,103	121.06 MB
Aug 2013	83	121	2,538	4,760	64.38 MB
Sep 2013	86	138	1,752	3,494	36.30 MB
Oct 2013	80	119	1,129	2,133	26.16 MB
Nov 2013	127	238	3,176	6,536	82.35 MB
Dec 2013	115	159	2,231	4,121	75.39 MB
Total	1,309	2,815	38,874	73,820	1.71 GB

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2014	117	154	1,798	4,036	73.44 MB
Feb 2014	119	183	2,000	4,313	114.07 MB
Mar 2014	168	319	4,043	6,955	365.06 MB
Apr 2014	116	196	1,520	2,978	63.62 MB
May 2014	147	261	2,322	4,756	53.78 MB
Jun 2014	133	187	1,517	3,462	31.60 MB
Jul 2014	103	150	1,636	3,289	29.78 MB
Aug 2014	125	185	1,139	2,250	26.59 MB
Sep 2014	79	120	1,128	2,526	28.35 MB
Oct 2014	87	114	1,084	2,223	53.19 MB
Nov 2014	64	87	717	1,499	42.72 MB
Dec 2014	56	72	366	760	10.58 MB
Total	1,314	2,028	19,270	39,047	892.79 MB

Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2015	69	90	971	2,125	62.14 MB
Feb 2015	89	159	1,857	3,640	223.55 MB
Mar 2015	38	66	1,565	2,654	171.85 MB
Apr 2015	0	0	0	0	0
May 2015	0	0	0	0	0
Jun 2015	0	0	0	0	0
Jul 2015	0	0	0	0	0
Aug 2015	0	0	0	0	0
Sep 2015	0	0	0	0	0
Oct 2015	0	0	0	0	0
Nov 2015	0	0	0	0	0
Dec 2015	0	0	0	0	0
Total	196	315	4,393	8,419	457.54 MB

Table: Web statistics for the Cruise Programme and Cruise Summary Reports databases

4. Population and maintenance of the Cruise Summary Reports database

The Cruise Summary Reports (CSR) database contains details of completed cruises and provides a first level inventory of oceanographic measurements made and samples taken during the cruises. It is managed as a SeaDataNet Directory by BSH from Germany, who is subcontractor to MARIS in EUROFLEETS2.

In the first EUROFLEETS project a dedicated version of the CSR User Interface has been developed in a cooperation between MARIS and BSH. The EUROFLEETS CSR database is updated automatically by web service from the SeaDataNet CSR database which serves as master containing also many historical reports. The EUROFLEETS CSR database contains entries from 2005 onwards.

The maintenance of the CSR database is done following the current SeaDataNet practice. The Chief Scientist of a cruise must report a Cruise Summary Report (CSR) immediately after the cruise.
There are 2 routes to submit new CSR entries, depending on the country:

- In a number of European countries Chief Scientists of research cruises are requested to report CSR's to their National Oceanographic Data Centre (NODC) directly after the cruise, using a local system. The NODC will then make sure that the CSR's are included in the overall SeaDataNet CSR database. The list of European NODC's can be found at: http://eurofleets.maris2.nl/csr-list-nodcs.html
- in other countries the Chief Scientists of research cruises are requested to report CSR directly themselves via the online CSR Content Management System (CMS).

The Cruise Summary Report database currently contains the following content:

Year	No. of Cruise Summary Reports	No. of countries
2005	773	21
2006	854	27
2007	1067	26
2008	1438	28
2009	1414	25
2010	1644	25
2011	994	24
2012	816	21
2013	730	22
2014	514	18
2015	7	4

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Table: Number of Cruise Summary Reports – 11 March 2015

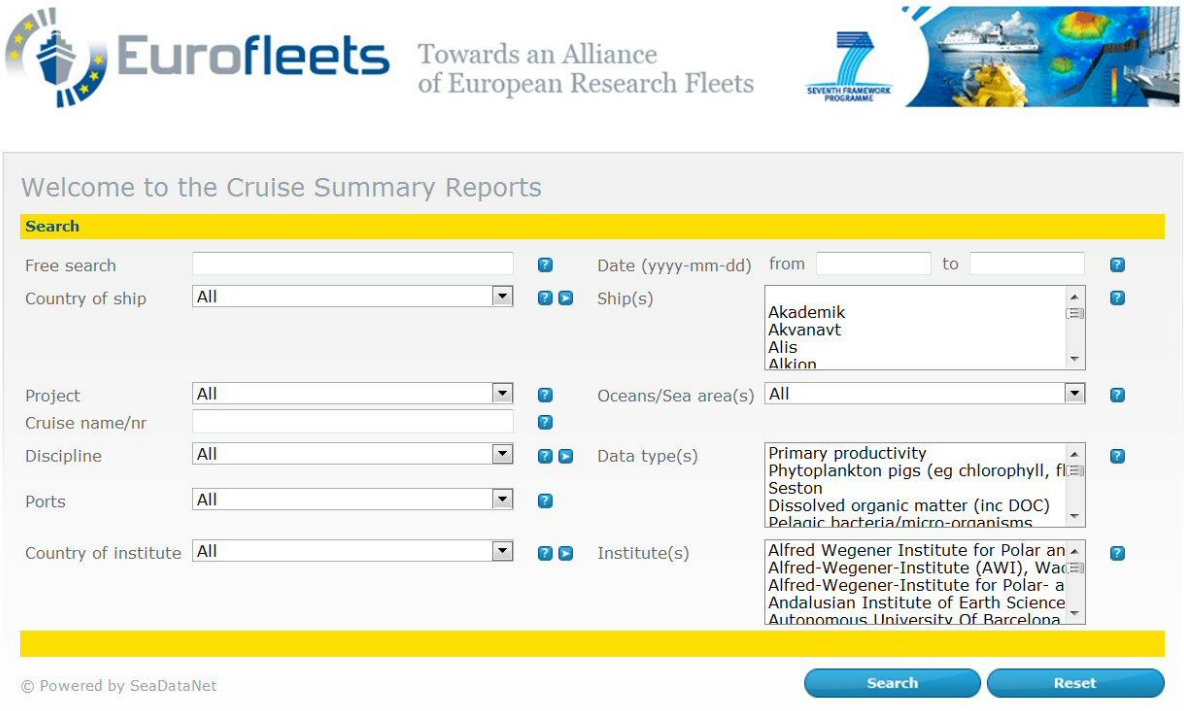
The overview per country per year is given in the following Table.

country	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Algeria	0	0	0	0	2	0	0	0	0	0	0
Australia	0	0	1	1	0	0	0	0	0	0	0
Belgium	36	38	55	30	32	86	65	32	26	5	0
Bulgaria	5	5	0	0	17	0	0	0	0	0	0
Canada	0	0	0	3	0	0	0	0	0	0	0
Croatia	2	8	3	2	0	2	12	16	15	0	0
Cyprus	11	1	2	7	8	6	6	5	2	1	0
Denmark	0	5	4	17	38	38	29	30	25	22	0
Estonia	0	0	0	0	0	46	35	37	8	5	0
Finland	0	0	1	1	4	4	3	2	1	12	1
France	198	207	223	267	211	233	213	207	213	182	0
Germany	123	135	141	114	66	88	116	138	114	97	3
Greece	4	8	12	1	0	0	2	3	0	0	0
Iceland	6	4	5	4	4	4	4	4	4	3	0
Ireland	39	50	96	106	60	59	61	49	33	40	0
Israel	4	4	3	2	1	1	2	3	0	0	0
Italy	14	4	12	18	6	0	0	1	1	0	0

Latvia	7	13	14	13	5	2	0	1	1	1	0
Lithuania	4	4	72	421	441	545	37	0	15	8	0
Netherlands	8	8	11	11	13	26	22	12	10	6	0
New Zealand	0	1	0	0	0	0	0	0	0	0	0
Norway	45	57	43	57	64	56	60	63	58	72	2
Poland	0	4	6	3	6	8	4	11	5	7	0
Portugal	0	0	0	0	0	0	1	0	7	0	0
Romania	5	8	9	11	5	5	1	0	0	0	0
Russian Federation	14	2	0	0	3	4	5	0	0	0	0
Slovenia	0	13	64	25	34	34	34	34	36	15	0
South Africa	0	0	0	0	0	1	0	0	0	0	0
Spain	25	29	22	36	33	42	37	31	45	3	0
Sweden	2	18	43	51	67	55	49	53	32	24	1
Tunisia	5	5	2	3	2	0	0	0	0	0	0
Turkey	0	0	2	1	0	0	0	0	0	0	0
Ukraine	0	1	5	2	3	5	1	0	1	0	0
United Kingdom	112	112	150	176	223	208	129	80	70	5	0
United States	0	1	0	1	0	1	0	0	0	0	0
Totals	**669**	**745**	**1001**	**1384**	**1348**	**1559**	**928**	**812**	**722**	**508**	**7**

Status 20 March 2015

Table: Number of Cruise Summary Reports per country per year



Cruise Summary Reports database –User Interface

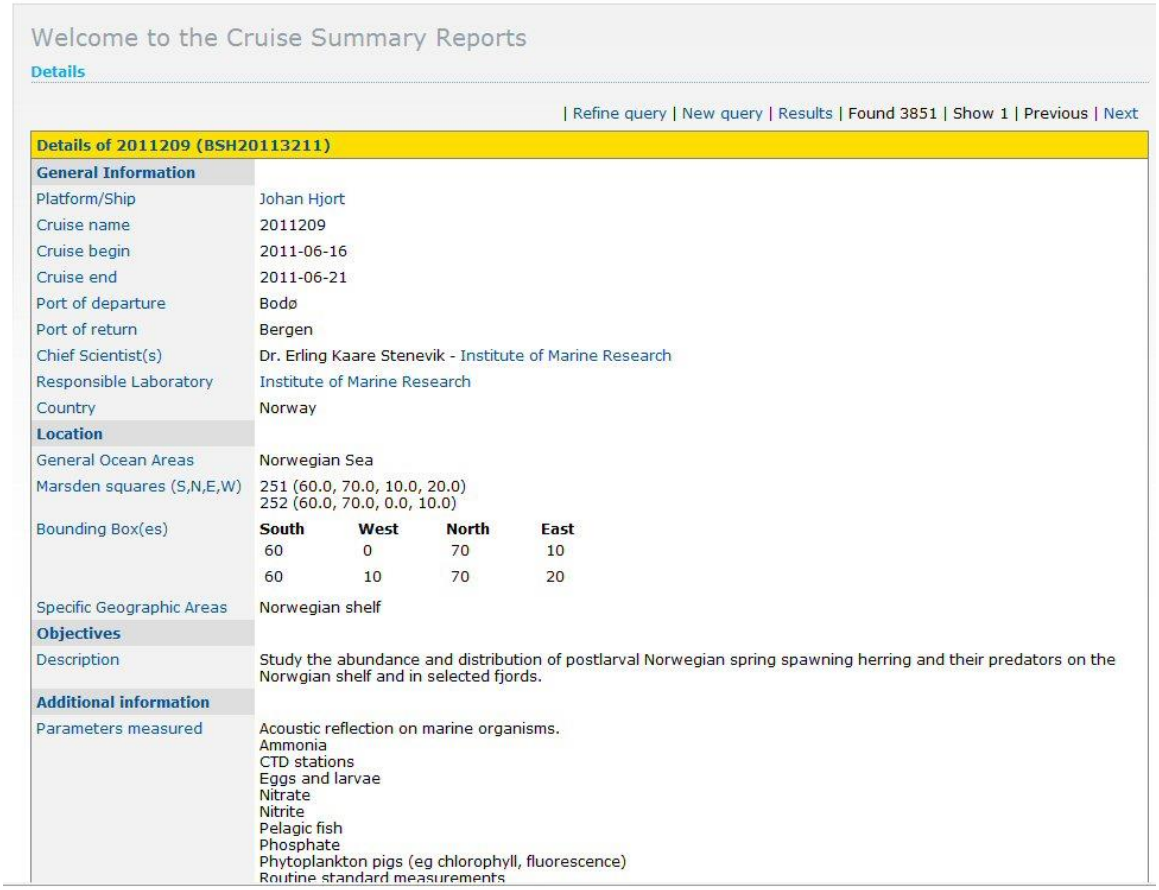
Welcome to the Cruise Summary Reports

Search results

20 50 100 records Go | Refine query | New query | Found 8805 | Show (1-20) | Previous | Next 20

Platform/Ship Name	Country of ship	Cruise name	From	To	Show
Ramon Margalef	Spain	RADCAN 1307	2013-07-14	2013-07-16	
Angeles Alvarino	Spain	ECOTRANS 0713	2013-07-02	2013-07-16	
Lotty	Sweden	2013K17	2013-06-27	2013-06-27	
Ramon Margalef	Spain	ASIMUTH2013	2013-06-17	2013-06-21	
Cornide de Saavedra	Spain	MEDITS_ES_1305_3	2013-06-14	2013-06-28	
Johan Hjort	Norway	2013205	2013-06-12	2013-06-28	
Ramon Margalef	Spain	RADCAN 201306	2013-06-10	2013-06-12	
Belgica	Belgium	2013/17	2013-06-10	2013-06-18	
Haakon Mosby	Norway	2013614	2013-06-08	2014-06-10	
Angeles Alvarino	Spain	INGRES3-8 / STOCA 2013 06 / ECOBOGUE 0613	2013-06-06	2013-06-14	

Cruise Summary Reports database –Result of search for all CSR entries



Welcome to the Cruise Summary Reports

Details

| Refine query | New query | Results | Found 3851 | Show 1 | Previous | Next

Details of 2011209 (BSH20113211)

General Information	
Platform/Ship	Johan Hjort
Cruise name	2011209
Cruise begin	2011-06-16
Cruise end	2011-06-21
Port of departure	Bodø
Port of return	Bergen
Chief Scientist(s)	Dr. Erling Kaare Stenevik - Institute of Marine Research
Responsible Laboratory	Institute of Marine Research
Country	Norway
Location	
General Ocean Areas	Norwegian Sea
Marsden squares (S,N,E,W)	251 (60.0, 70.0, 10.0, 20.0) 252 (60.0, 70.0, 0.0, 10.0)
Bounding Box(es)	**South** **West** **North** **East** 60 0 70 10 60 10 70 20
Specific Geographic Areas	Norwegian shelf
Objectives	
Description	Study the abundance and distribution of postlarval Norwegian spring spawning herring and their predators on the Norwgian shelf and in selected fjords.
Additional information	
Parameters measured	Acoustic reflection on marine organisms. Ammonia CTD stations Eggs and larvae Nitrate Nitrite Pelagic fish Phosphate Phytoplankton pigs (eg chlorophyll, fluorescence) Routine standard measurements

Cruise Summary Reports database –Details of a selected CSR entry

5. Population, maintenance and usage of the Research Vessels database

The European Research Vessel InfoBase, launched in 2006, is managed by EurOcean and contains characteristics of each research vessel (RV), owner/operator contact details and, if available, a link to the ship's web page. For EUROFLEETS a dedicated version of the European Research Vessels InfoBase has been developed by EurOcean at http://www.eurofleets.eu/rvs/.

The EUROFLEETS European Vessel Database module of the European Virtual RV Platform was launched by EurOcean on March 5th 2010. Currently it contains information on: 311 Operating Research Vessels and 55 Out of Service, larger than 10 meters (from the coastal to high seas). Additionally the Database provides information of owner/operator contact details and, if available, a link to the ship's web page. The available information can be accessed by using a set of drop-down menus (Vessel Name; Vessel Category; Country; Length; Main Activity and Availability for charter) as well as, through a dedicated query link by using a research vessel ICES Shipcode.

The European Research Vessel InfoBase is regularly updated by the RV operators/owners either by a dedicated request addressed to the EurOcean Office, or by direct update by filling-in an electronic form available through the homepage (http://www.rvinfobase.eurocean.org/). All requested updates are however only made public after validation by EurOcean Team, the InfoBase manager and master editor.

Even though the InfoBase is continuously updated, EurOcean releases an annual update request to all the RV operators/owners as to guarantee the relevance of the InfoBase information. As a result of the undertaken activities, 181 RV operators/owners, including the planned/under construction RV's (not available in the EUROFLEETS European Vessel Database) were last contacted on April 4th 2014, which turned in information updates of 3 of the 22 EUROFLEETS vessels (circa 13.6%), and 11 of the 311 remaining Infobase RV's (circa 3.5%), as showed in the Table below.

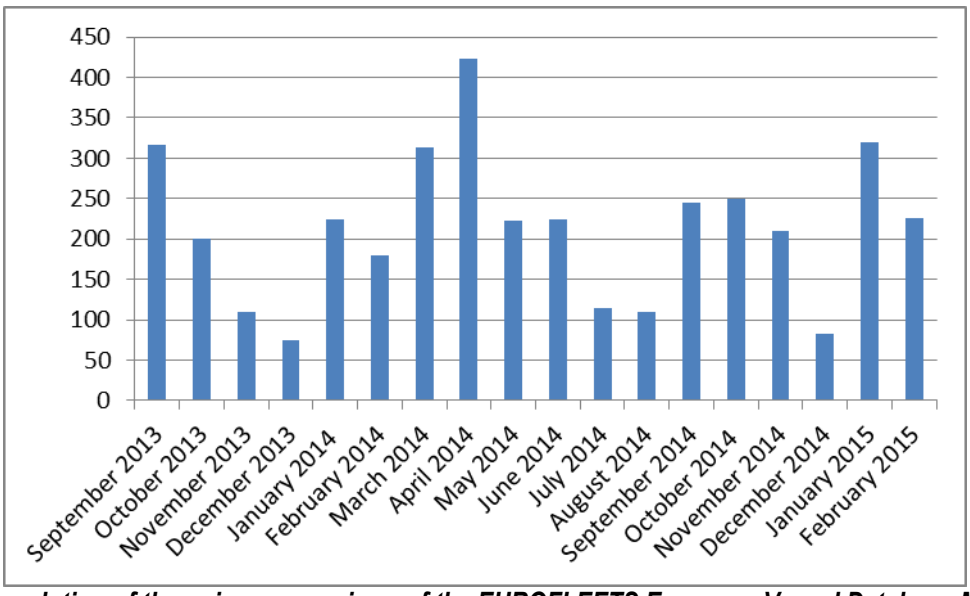
Update Status	EUROFLEETS RV's	Remaining Infobase RV's
	Update N.º	Update N.º
2015	0	2
2014	3	11
2013	2	16

Table – European Research Vessel InfoBase update status of the operating and out of service RV per Year for the period of the EUROFLEETS Project (2013-2015).

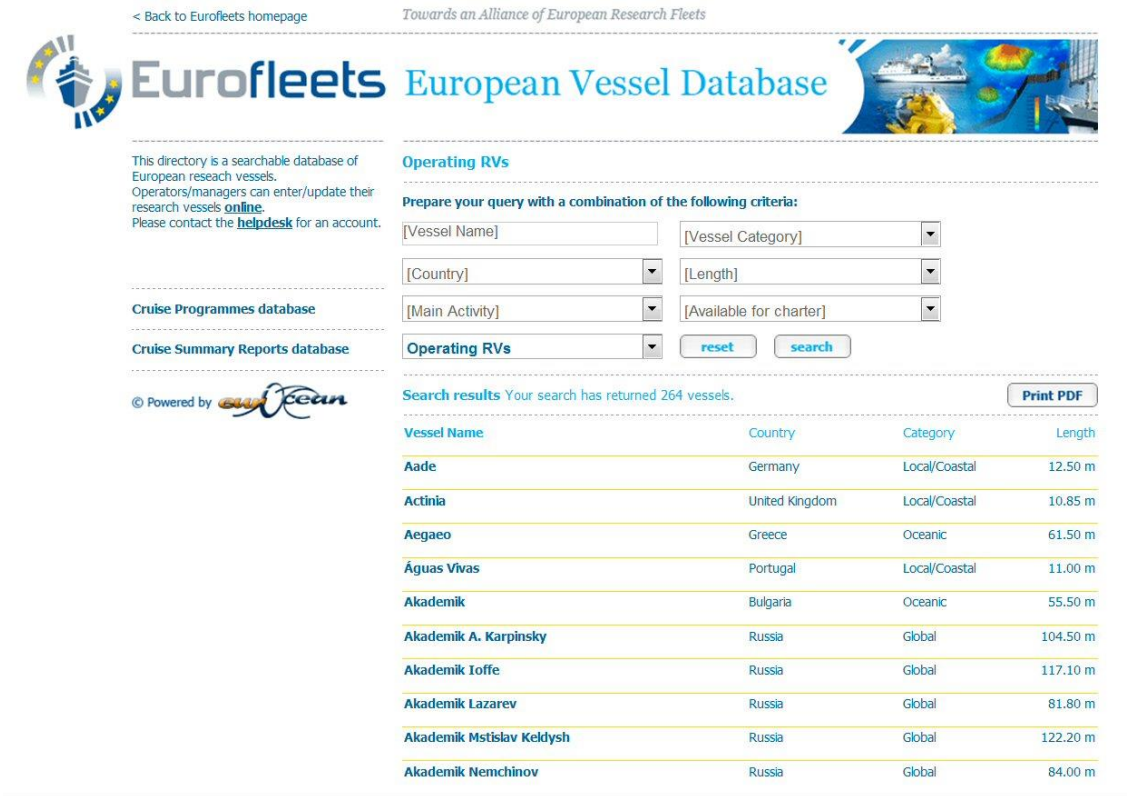
Due to the nature of the infrastructures, most updates are related to the contact of the vessel operator/owner and therefore, even if no update is made after the inclusion of the vessel in the InfoBase the vessel available information can be updated.

Usage of the EUROFLEETS Research Vessel database

For the given date the InfoBase registered a total of 3851 Visits. In the chart below it is possible to establish a correlation between the visits picks and the launch of EUROFLEETS calls and the update request.



Monthly evolution of the unique page views of the EUROFLEETS European Vessel Database Module



Research Vessel database –User Interface for searching Research Vessels

< Back to Eurofleets homepage

Towards an Alliance of European Research Fleets

Eurofleets European Vessel Database

< Back to Search

Pourquoi pas?

Print PDF

Status	Operating
Main activity	Multiple activities
Operating area	--
Country	France
ICES code	35PK
NODC code	
Call sign	FMCY
Year built	2005
Homeport	
Length	107.60 m
Avail. for charter	No
Last update	15.06.2007

This directory is a searchable database of European reseach vessels.
Operators/managers can enter/update their research vessels **online**.
Please contact the **helpdesk** for an account.

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Contact Information

Owner	Institut français de recherche pour l'exploitation de la mer (IFREMER)
Operator	IFREMER / GENAVIR BREST
Contact person	Jean Xavier Castrec
Address	Centre IFREMER de Brest,BP 71 29280 PLOUZANE France
Telephone	+33 298 224453
Fax	
Website	http://www.ifremer.fr/flotte/navires/hauturiers/pourquoipas/index.htm
Email	jean.xavier.castrec@ifremer.fr
Observations	--

Technical Details

Main Dimensions

Length	107.60
Draft (m)	6.9

Main Vessel Activity

Main Activity	Multiple activities
Operating area	--

Research Vessel database –Details of a Research Vessel

6. Population, maintenance and usage of the European Large Exchangeable Instruments database

The European Large Exchangeable Instruments, launched in November 24th 2011, is managed by EurOcean and contains characteristics of twenty seven categories of instruments, included in the previous EurOcean_LEXI – Large Exchangeable Instruments InfoBase and the EurOcean_UV - European Underwater Vehicles InfoBase. For EUROFLEETS a dedicated version of the European Large Exchangeable Instruments InfoBase has been made operational by EurOcean at http://www.eurofleets.eu/lexi/.

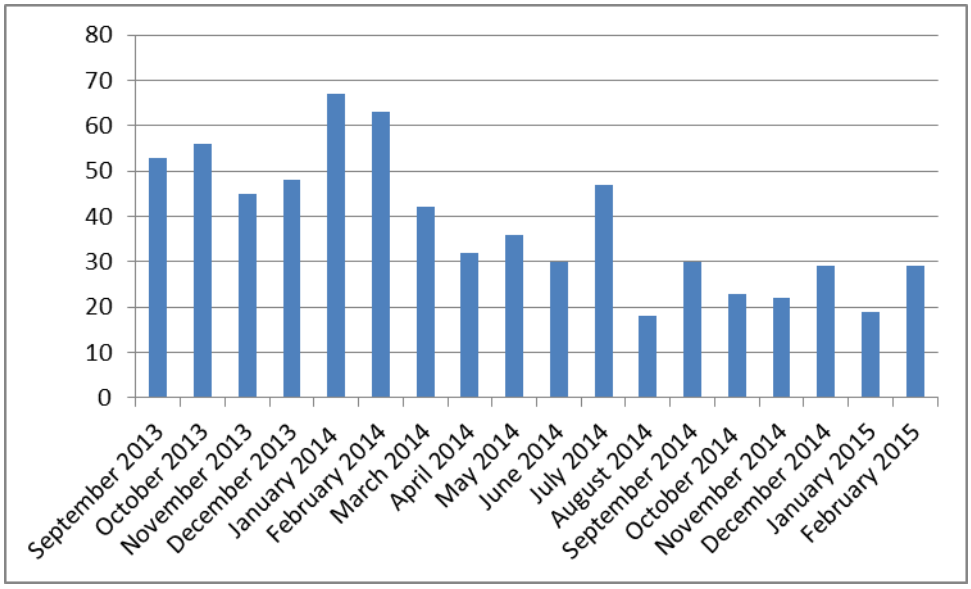
The EUROFLEETS European Large Exchangeable Instruments Database module of the European Virtual RV Platform, launched by EurOcean, was integrated in the European Virtual RV Platform on March 18th 2012. Presently it contains information on 152 (instruments as well as information of owner/operator contact details and, if available, a technical details document. The available information can be accessed by using a number of pull-down menus (Free Text; Type of Instrument; Country and Depth Range).

Similarly to the RV's InfoBase, the LEXI InfoBase it is regularly updated by the instrument operators/owners either by a dedicated request addressed to the EurOcean Office or, by direct update by filling-in an electronic form available through the InfoBase homepage (http://www.lexiinfobase.eurocean.org/insert_uv.jsp?new=t). All requested updates are however only made public after acceptance by EurOcean Office, the InfoBase manager and master editor.

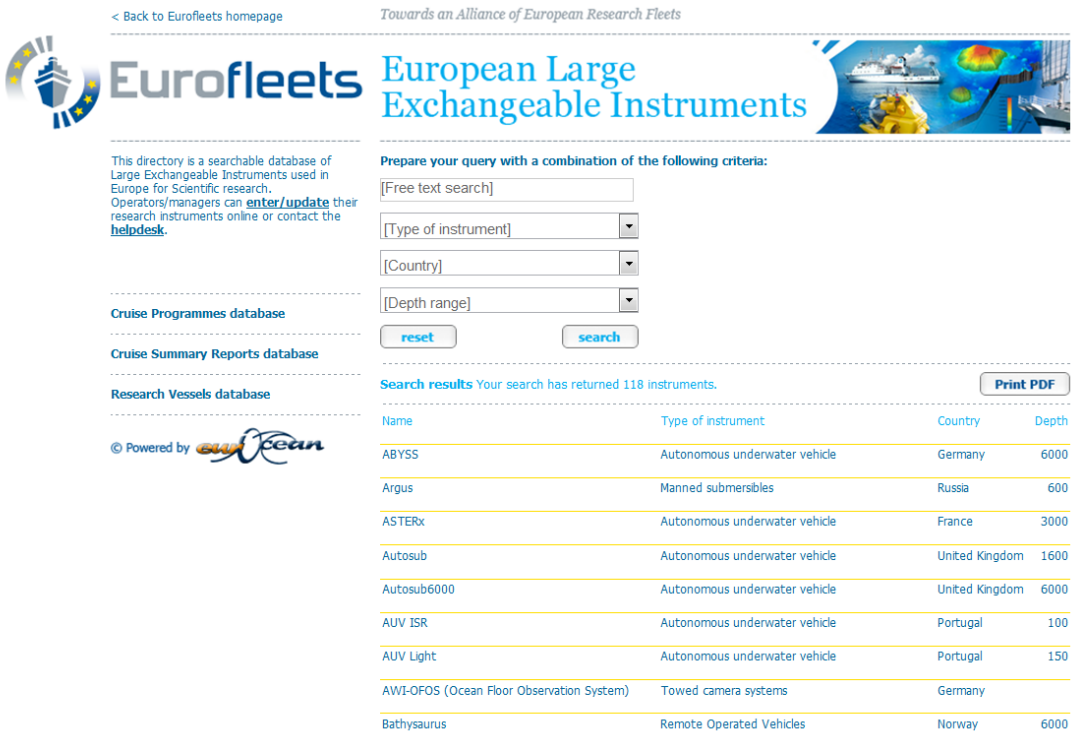
Even though the InfoBase is continuously updated, EurOcean releases an annual update request to all the instrument operators/owners as to guarantee the relevance of the InfoBase information. As a result of the undertaken activities, 75 operators/owners were contacted on April 04th 2014, which translated in information updates 13 of the 152 instruments (circa 8.6%).

Usage of the EUROFLEETS Large Exchangeable Instruments database

The EUROFLEETS Large Exchangeable Instruments database registered, for the given period, 689 in the chart below it is possible to visualise the monthly evolution of the InfoBase.



Monthly evolution of the unique page views of the EUROFLEETS large Exchangeable Instruments Module



European Large Exchangeable Instruments Database –User Interface for searching Large Exchangeable Instruments

European Large Exchangeable Instruments Database–Details of a Large Exchangeable Instrument

7. Conclusions and Recommendations

- It can be concluded that the 4 databases are well maintained on a European scale as there is a regular population of database records by a wide number of countries. The operation of these modules has been continued from the previous EUROFLEETS project. It is recommended that the EUROFLEETS2 Executive Committee will keep on urging partners to take care of updating of their entries, next to the maintenance activities by the database managers and their networks. Especially it should be encouraged that operators provide their Cruise Programme information more in advance (at least 6 months) and in more geographic detail to be really of use for shared cruise planning, as aimed for by POGO, and for planning deployment of Argo floats.

- The usage of the 4 databases is slowly increasing but still limited in number of users and pageviews. This should be further improved. Therefore a number of recommendations are made which should be considered:

    - The entrance to the EVIOR portal and its 4 databases is somewhat hidden in the EUROFLEETS portal and cannot be seen immediately at its homepage. Users have to click several times before reaching the bases. Therefore it is advised to include also direct entrances to the databases at the EUROFLEETS homepage by means of banners or other attractive means.
    - The promotion around EUROFLEETS must make more effort to pinpoint target users to EVIOR and these 4 databases.