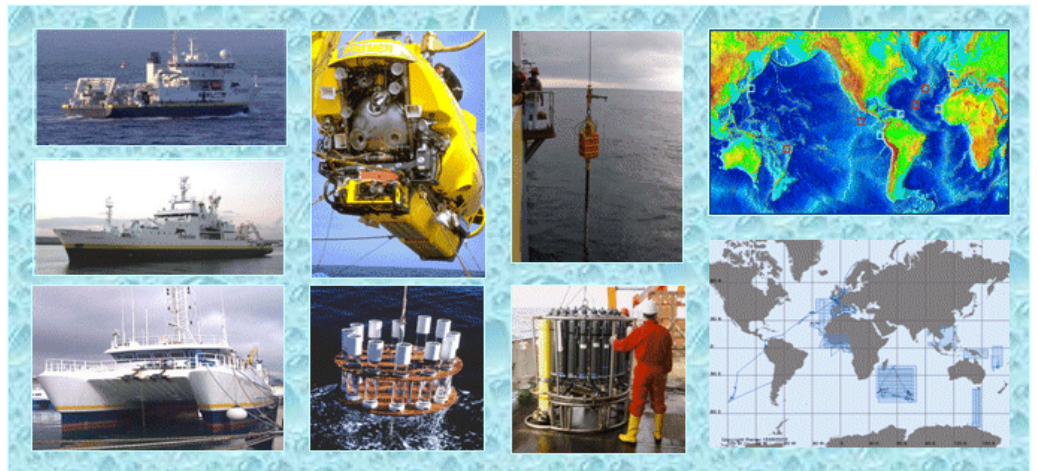


2009 French oceanographic cruises report



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Introduction

This document reports on the French oceanographic cruises conducted in 2009.

It provides a detailed description of SISMER's role in archiving cruise information and oceanographic data. It also gives an overall view of the vessels of the French ocean research fleet and how they are used and provides dynamic access to cruise information through the Nautilus web portal (http://www.ifremer.fr/sismer/index_FR.htm).

This report has been drawn up by IFREMER, and more specifically, by the SISMER department in charge of managing cruise data and summaries.

The electronic version of this document is available at the following address: http://www.ifremer.fr/sismer/FR/doc_FR.htm. Clicking on the hypertext links gives direct access to the cruise descriptions.

1. SISMER

1.1. Its role

SISMER (Marine scientific information systems) is an IFREMER department, located at its center in Brest, France. To meet the needs of the scientific community, it both develops, working with the ISI (Information systems engineering) service in the IDM (IT and marine data) department, and uses marine-related information systems and databases. The service manages and archives the data collected during French oceanographic cruises and keeps an inventory of them. It also manages real-time data from various operational oceanographic systems (Coriolis database).

SISMER manages the French national oceanographic database. The latter, in compliance with very specific rules, saves, standardizes and disseminates data from various fields of marine science: hydrology, marine biochemistry, currentometry, gravimetry, magnetometry, seismics, bathymetry, acoustic imaging and physical-chemical seabed characteristics. SISMER is committed to compliance with the rules defined for data distribution and will not disseminate any data which are confidential in nature. The data come from French research laboratories taking part in surveys at sea. SISMER archives the data, along with information about its source, the experimental conditions and the collection methodology (metadata). It applies quality control inspections in accordance with international standards and distributes the data and metadata using standardized formats. It is France's national coordinator for international data exchanges in the framework of UNESCO's Intergovernmental Oceanographic Commission (IOC) « International Oceanographic Data and Information Exchange (IODE) » program.

SISMER makes an active contribution to French, European and international working groups devoted to standardization and exchange of data. It coordinates the SeaDataNet pan-European network marine data centres which aims to link the main European oceanographic data centers and thus give users access online to distributed databases through a single portal.

1.2. Stakes

It has been proved that without permanent archiving done following well-established standards, 30% of the acquired data is lost by the end of 10 years. The cost of using facilities for data acquisition at sea is so high that it is essential to implement the resources and means necessary for good data preservation.

SISMER is in charge of collecting summaries on all the French ocean research cruises which have taken place aboard French vessels or in cooperation with foreign vessels.

These summaries are made known to the French and worldwide scientific community and are vital for making enhanced use of the data. They are an important component in international oceanographic data exchanges. In return, they make it easier to create global datasets that are accessible to everyone. It is both the duty and in the interest of everyone to contribute to them.

No information on surveys or cruises classified under the confidential defense category is held in SISMER's vessel database. However, in order to keep a lasting record of data from other confidential cruises (commercial contracts, surveys made under contract, etc.), they are archived but not distributed.

Data that are incorrectly or not stored will eventually be lost forever.

Cruise data which are poorly or incorrectly referenced (Roscop sheets inaccurately or not completed) are inaccessible and therefore lost in the long term.

The heritage this represents in terms of both scientific and financial value deserves to be preserved.

2. Oceanographic cruises

2.1. Background

SISMER has catalogued nearly 5,900 French ocean research cruises (strictly speaking, not including trial cruises or those of a confidential nature) and over 340 simple or survey transits, since 1913.

In the past, cruises were generally conducted by the former Scientific and technical fisheries institute (ISTPM) and by the French Navy's hydrographic and oceanographic service (FRENCH NAVY/SHOM). Later, other organizations like the CNRS, IRD (formerly ORSTOM), IPEV (formerly IFRTP), National museum of natural history (MNHN), National center for exploitation of the oceans (CNEXO) and then IFREMER (created by merging ISTPM-CNEXO) greatly contributed to the efforts to collect measurements at sea, using their own facilities. Currently, the growing number of European projects and international programs for ship time sharing mean that a number of French cruises are made aboard foreign vessels.

2.2. French cruise definition

"French cruise" means a cruise for which the home organization of the client (and therefore of the chief scientist) is French. Any cruise classified « Confidential Defense » or considered as such is not listed in this document and thus not counted. The document also takes account of simple transits or survey transits as well as trial cruises.

2.3. Inventory of cruise information

Taking inventory of cruises is done in several steps:

- Listing the scheduled ocean cruise programs. This is done with the help of the people in charge of ship management;

- At the end of each cruise, the heads of mission are requested to send SISMER a summary report. A template (called a Roscop sheet) is available on the SISMER web site here: <http://www.ifremer.fr/sismer/FR/catal/campagne/r11.htm>.

For IFREMER's vessels, this cruise summary corresponds to « Form n°4 » (ocean-going vessels) and « Form n°5 » (inshore vessels) of the DMON reports. The chief scientist sends it directly to SISMER.

This is done in compliance with the procedure in effect aboard IFREMER vessels (<http://www.ifremer.fr/flotte/index.php>) and with the « Vade-Mecum des utilisateurs des navires océanographiques côtiers » (guide for inshore RV users) of INSU and IFREMER (<http://www.dt.insu.cnrs.fr/flottille/flottille.php>) ;

- The information thus gathered is then archived in the SISMER database. Each cruise is given a track number (single identifier).

2.4. Chief scientists' rules and duties

The chief scientists have rights and obligations in terms of archiving and disseminating the data acquired aboard IFREMER's research vessels. Information about this can be consulted at the following URL:

http://www.ifremer.fr/flotte/demande_campagnes/donnees.htm

2.5. Transmission of summaries

In the framework of the European SeaDataNet programme (<http://www.seadatanet.org>), the cruise summaries are sent to BSH/DOD (German data center) which ensures that the European CSRs (Cruise Summary Report) are disseminated worldwide, particularly to ICES/CIEM (International Council for the Exploration of the Sea).

3. Oceanographic cruise data

Inventoring the cruises is done along with archiving of data from various oceanographic disciplines: marine physics, chemistry, biology, geology and geophysics, as well as exploratory fishing and technology.

In accordance with the rules in effect, SISMER archives and disseminates the data collected aboard French research vessels and observation systems.

The data are transmitted by one of the following patterns:

1) Sent directly to SISMER at the end of the mission:

- Raw data acquired using French facilities managed by IFREMER (major facilities),
- Single- and multi-beam bathymetric data,
- Gravimetry data,
- Magnetometry data
- Seismic reflection data,
- Sonar imaging data (sidescan sonars, multibeam echo sounders),
- Navigational data,
- Shipboard ADCP data from RV *L'Atalante*, *Thalassa*, *Le Suroît*, *Beautemps-Beaupré*, *Pourquoi Pas ?*.

2) Data requiring laboratory processing:

These data are transmitted once measurements have been validated or samples analyzed:

- Marine biochemical and physical data collected at hydrological stations (CTD and bottle casts),
- Eulerian or Lagrangian time series (current measurements, temperature, deep sea tide gauges),
- Geological samples and analyses.

3) When the ship is so equipped, data can be sent directly in real time for the needs of modeling experts in the framework of operational oceanographic projects:

- CTD and XBT from some cruises,
- Shipboard ADCP from the *Beautemps-Beaupré* and *Pourquoi Pas ?* vessels.

4) Data compilations:

SISMER manages and distributes a data archive and data compilation products, such as: theme-based databases, digital terrain models (MNT), maps and atlases which are created in partnership with other scientific centers and laboratories, in the framework of French, European and international programs:

- Physical and biochemical data from the EU projects: SeaDataNet, MFSTEP, MTP II-MATER, MEDAR/MEDATLAS and the international ARGO/CORIOLIS and GODAR/World Ocean Atlas projects,
- EUROSEISMIC catalog, EXTRAPLAC database, DORSALES database.

4. Access to cruises and data

The full inventory of *oceanographic surveys* in the French database and *their related data* contains information covering almost a century of measurements taken at sea. It can be accessed at the following URL: http://www.ifremer.fr/sismer/index_FR.htm by clicking on:

Accès aux données' (access to data)

then - 'Campagnes à la mer' (sea cruises), to consult the cruises,

or - 'Données in situ' (in situ data) to access the data.

Ifremer

Accès aux données
Banques Nationales
Projets
Présentation
Assurance qualité
Liens
Produits

TMSI/ADM/SISMER
Centre IFREMER de Brest
BP 70
29280 PLOUZANE (France)
Tel : +33 (0)2 98 22 49 16
Fax : +33 (0)2 98 22 46 44
Email : sismer@ifremer.fr

FTP anonymous : ftp.ifremer.fr

Bienvenue au centre français de données océanographiques

This portal provides cartographic and interactive consultation and search functions for cruise data. It also enables data to be retrieved or ordered on line using the form on the server, depending on the degree of confidential and the file size (500 Mb) permitting.

An accessible database on POGO's international server at <http://www.pogo-oceancruises.org/> gives the scheduled cruises (more than 350 cruises) of research vessels over 60 m LOA for a dozen countries.

5. Offshore and inshore activity reports

Firstly, a report of the activity in the high sea and in coastal waters of Ifremer and its partners' fleet is available on the following web pages:

http://www.ifremer.fr/flotte/calendrier/bilans/bilans_hauturiers.html

http://www.ifremer.fr/flotte/calendrier/bilans/bilans_cotiers.html

Secondly, a feedback conference covering five years (2005-2009) by the CIR committees (CIRMAT, the Scientific committee for vessels of the North Sea, Channel and Atlantic seafronts and CIRMED, the Scientific committee for vessels of the Mediterranean seafront) was held on 3 and 4 March 2010 at the Cercle Militaire de Marseille. All of the papers presented and posters from this seminar can be consulted on the following website:

<http://www.colloque.ird.fr/fof-2010/resume.html>

6. French oceanographic cruises for the year 2009

6.1. Contracting organizations

French ocean research vessels are managed by the following organizations:

- **CNRS/INSU** (French national scientific research center / national institute for sciences of the universe),
- **IFREMER** (French research institute for exploitation of the sea),
- **IPEV** (French polar institute - Paul Emile Victor),
- **IRD** (French research institute for cooperative development, formerly ORSTOM),
- **FRENCH NAVY/SHOM** (French Navy's hydrographic and oceanographic service).

Ship time sharing agreements have been drawn up with several countries, through agreements IFREMER has signed with German, British, Spanish, Dutch and Norwegian facilities and research vessels. This enables cruises to be made aboard vessels from these countries.

6.2. Ocean research vessels

6.2.1. The ocean research fleet

The 2009 cruises were carried out aboard 9 **ocean-going** marine research vessels, 7 **inshore** research vessels and two underwater vehicles (NAUTILE and ROV VICTOR 6000).

The <http://www.ifremer.fr/flotte/index.php> website provides a detailed description of IFREMER's fleet.

The following table gives some of the 2009 fleet's characteristics. **IFREMER**

Vessel	NODC code	Call sign	Length over all	Crew	Scientists
<i>L'Atalante</i>	35A3	FNCM	85	17/30	30
<i>Le Suroît</i>	35LU	FZVN	56	16/23	14
<i>Pourquoi pas?*</i>	35PP	FMCY	108	35	40
<i>Thalassa**</i>	35HT	FNFP	74	16/25	25
<i>Gwen Drez</i>	35GD	FZYB	25	7	5
<i>L'Europe</i>	35EU	FKJB	30	8	8
<i>Thalia</i>	35TC	FPCS	24	6	6
<i>Haliotis</i>	35HL	FGF5958	10	2	1

CNRS/INSU

Vessel	NODC code	Call sign	Length over all	Crew	Scientists
<i>Côte d'Aquitaine</i>	35QA	FPRI	19	6	6
<i>Côtes de la Manche</i>	35C4	FQBE	25	7	8
<i>Téthys II</i>	35TT	FGTO	24	7	8

IPEV

Vessel	NODC code	Call sign	Length over all	Crew	Scientists
<i>Marion Dufresne</i>	35MF	FNIN	120.5	18/29	60/110
<i>Astrolabe</i>	35AC	FHZI	65	12	48

IRD

Vessel	NODC code	Call sign	Length over all	Crew	Scientists
<i>Alis</i>	35AY	FHQB	28	12	6
<i>Antéa</i>	35A8	FNVR	35	12	10

FRENCH NAVY

Vessel	NODC code	Call sign	Length over all	Crew	Scientists
<i>Beautemps-Beaupré*</i>	35B5	FABB	80	26	25

*: co-owned by SHOM - IFREMER

** : co-owned by IEO (Spain) - IFREMER

6.2.2. Route of IFREMER vessels

6.2.2.1. L'Atalante

List of cruises

TR LSRIO (Transit)

From 05-12-2009 to 31-12-2009

TV ORLS (Transit)

VIOLLETTE Pascal
From 11-11-2009 to 16-11-2009

SPIRAL

GRAINDORGE David
SAGE Françoise
KLINGELHOEFER Frauke
From 26-09-2009 to 10-11-2009

TV BROR (Transit)

LOSSOUARN Hubert
From 19-09-2009 to 24-09-2009

MOMAR2008-LEGI

GUILLOU Raymond
From 06-09-2009 to 12-09-2009

ESSADCP

CLEC'H Didier
From 27-08-2009 to 31-08-2009

MOUTON2009-LEG2

GUILLOU Raymond
From 22-08-2009 to 03-09-2009

MOUTON2009-LEGI

GUILLOU Raymond
From 06-08-2009 to 17-08-2009

VALIDOP

CLEC'H Didier
FLOC'H Henri
From 26-06-2009 to 14-07-2009

ESSIENCATA

FLOC'H Henri
CLEC'H Didier
From 20-05-2009 to 24-06-2009



L'Atalante



Cruise voyages in 2009: 10 cruises and transits

6.2.2.2. Le Suroît

List of cruises

TR ISTLS (Transit)

From 15-12-2009 to 21-12-2009

MARMESONET

GELI Louis

HENRY Pierre

From 04-11-2009 to 14-12-2009

TR LSIST (Transit)

From 27-10-2009 to 02-11-2009

SATEM302

CLEC'H Didier

From 24-10-2009 to 26-10-2009

TR PAPLS (Transit)

From 31-03-2009 to 16-04-2009

GWADASEIS

FEUILLET Nathalie

From 22-02-2009 to 28-03-2009

KASHALLOW 2

LEBRUN Jean Frédéric

From 26-01-2009 to 19-02-2009



Le Suroît



Cruise voyages in 2009: 7 cruises and transits

6.2.2.3. Pourquoi pas?

List of cruises

TR BRPAP (Transit)

From 16-11-2009 to 01-12-2009

TR HABR (Transit)

From 12-11-2009 to 15-11-2009

TR BRHA (Transit)

From 29-10-2009 to 03-11-2009

BOBGEO

BOURILLET Jean-François
From 14-10-2009 to 28-10-2009

TR LHABR (Transit)

From 30-09-2009 to 05-10-2009

BATHYLUCK 2009

ESCARTIN Javier
CANNAT Mathilde
From 31-08-2009 to 29-09-2009

MOCOSÉD 2009

GUILLOU Raymond (IPETA)
From 21-05-2009 to 30-05-2009

ESSNAUT 09

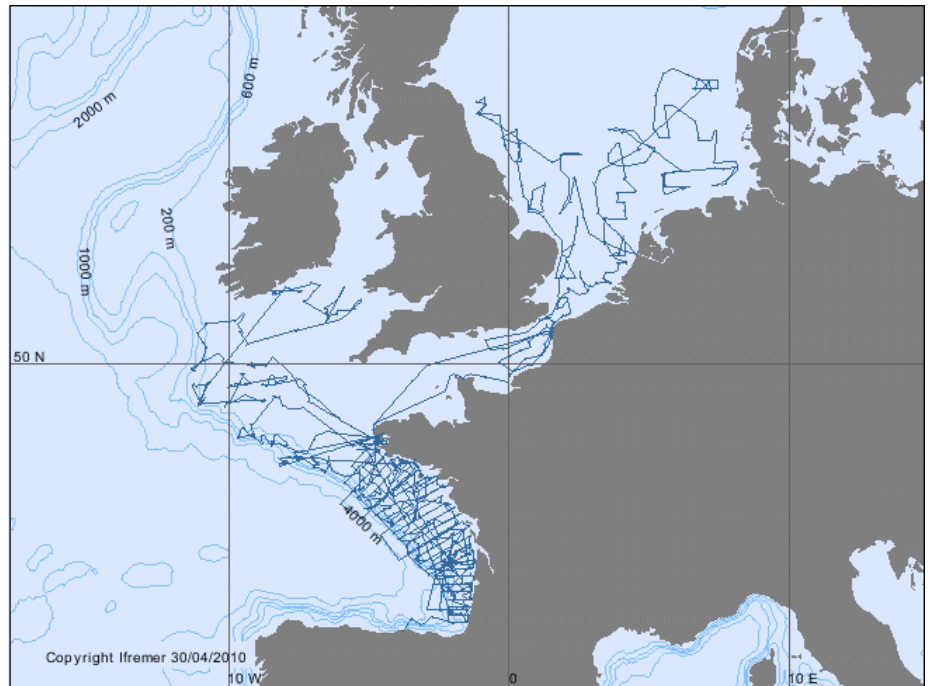
NIVAGGIOLI Jean-Michel
MAMACA Emina
From 09-05-2009 to 19-05-2009



Pourquoi pas?



Cruise voyages in 2009: 8 cruises and transits

6.2.2.4. *Thalassa**List of cruises***EVHOE 2009***LEAUTE Jean-Pierre**SALAUN Michèle**DIMEET Joël**From 18-10-2009 to 01-12-2009***ASPEX 2009***MARIE Louis**From 12-07-2009 to 22-07-2009***PELGAS 2009***MASSE Jacques**From 25-04-2009 to 05-06-2009***TR BLBR (Transit)***From 14-02-2009 to 15-02-2009***IBTS 2009***VERIN Yves**From 13-01-2009 to 13-02-2009**Thalassa**Cruise voyages in 2009: 5 cruises and transits*6.2.2.5. *Gwen Drez*

List of cruises

ORHAGO 09

BATTAGLIA André
From 03-11-2009 to 16-12-2009

CGFS2009

LEROY Didier
From 02-10-2009 to 30-10-2009

BIOSICON

BURGEOT Thierry
From 18-09-2009 to 28-09-2009

NURSE 2009

BRINDAMOUR Anik
From 25-08-2009 to 15-09-2009

SELECT 3

MEILLAT Marc
From 13-06-2009 to 25-06-2009

OPTIPECHE03

VINCENT Benoît
From 02-06-2009 to 12-06-2009

LANGOLF 2009

SALAUN Michèle
DIMEET Joël
From 12-05-2009 to 30-05-2009

SELECT 2

MEILLAT Marc
From 29-04-2009 to 11-05-2009

ISOBAIE

LE BRIS Hervé
From 18-04-2009 to 27-04-2009

SELECT 1

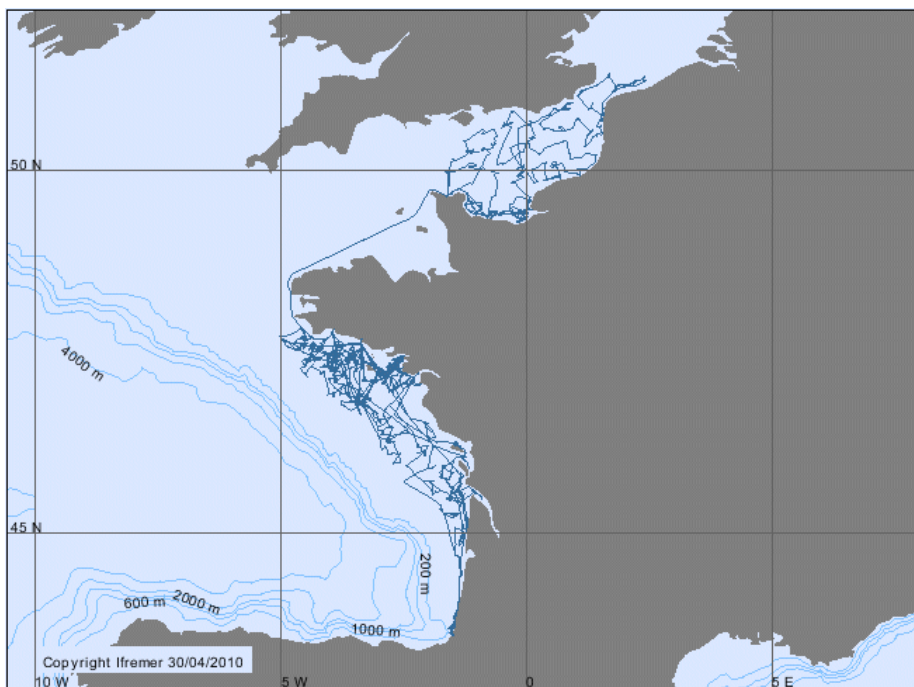
MEILLAT Marc
From 04-04-2009 to 16-04-2009

DGAL-BAIE DE

SEINE
ABARNOU Alain
From 23-03-2009 to 02-04-2009



Gwen Drez



Cruise voyages in 2009: 11 cruises

L'Europe

List of cruises**BILLION 27**

*DURRIEU de MADRON
Xavier From 19-11-2009 to
25-11-2009*

DEEP/4

*DURRIEU de MADRON
Xavier From 24-10-2009 to
18-11-2009*

COSTEAU 1

*TRONCZYNSKI Jacek
CHIFFOLEAU Jean-
François
From 06-10-2009 to 22-10-
2009*

DIVACOU 3

*BOUHIER Marie-Edith
DROGOU Michèle
From 10-09-2009 to 05-10-
2009*

GOLDHY LAST**CHANCE**

*FUDA Jean-Luc
ROUGIER Gilles From 05-
09-2009 to 08-09-2009*

VALINCISA

*GENSOUS Bernard
From 28-08-2009 to 04-09-
2009*

MYTIOR 2

*GALGANI François
From 30-07-2009 to 26-08-
2009*

PELMED 2009

*BIGOT Jean-Louis
From 24-06-2009 to 29-07-
2009*

MEDITS 2009

*SOUPLET Arnauld
LE CORRE Gildas
From 20-05-2009 to 23-06-
2009*

TECHAU

*KER Stéphane
PACAULT Anne
From 16-05-2009 to 19-05-
2009*

MYTIOR 1

*GALGANI François
From 19-04-2009 to 12-05-
2009*

DCE 2

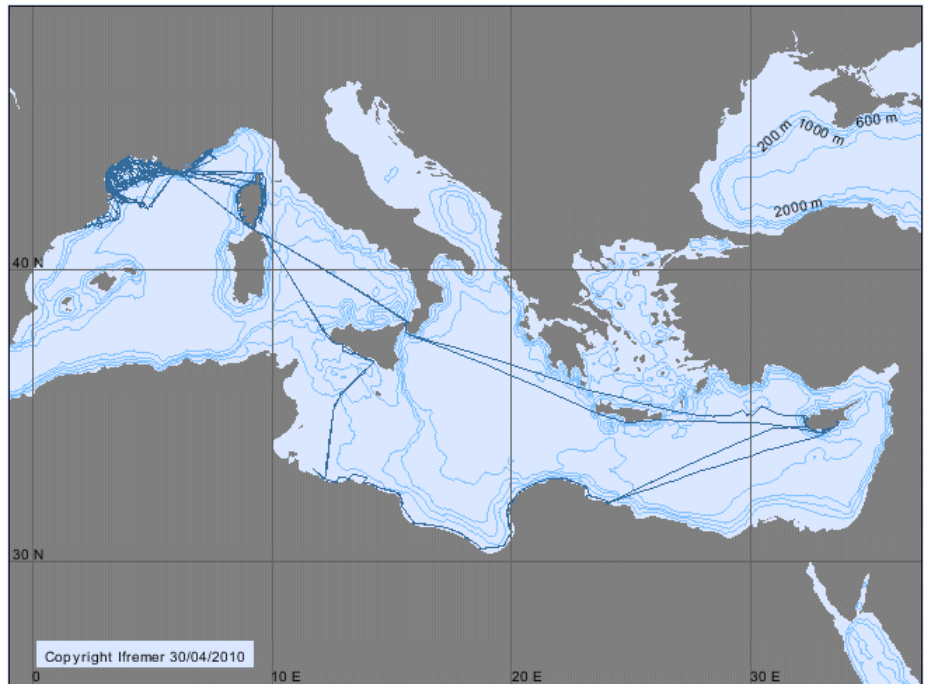
*ANDRAL Bruno
GALGANI François
From 26-03-2009 to 18-04-
2009*

HICORAMA II

*GONZALEZ Jean-Louis
From 17-03-2009 to 25-03-
2009*

DCE 1

*ANDRAL Bruno
GALGANI François
From 05-03-2009 to 16-03-
2009*

*L'Europe**Cruise voyages in 2009: 18 cruises***MALISAR / ALTO**

*MIGEON Sébastien
From 19-02-2009 to 03-03-2009*

ESSAUV 09

*OPDERBECKE Jan
From 06-02-2009 to 18-02-2009*

DIVACOU 2

*BOUHIER Marie-Edith
From 31-01-2009 to 04-02-2009*

JUVALION

*LIORZOU Bernard
From 08-01-2009 to 29-01-2009*

6.2.2.6. *Thalia***List of cruises****ESSTECH**

GUEDES Jean-Charles
From 30-10-2009 to 01-11-2009

GRANIMP09B

DUCLOS Pierre-Arnaud
LE BOT Sophie From 19-10-2009 to 30-10-2009

SURVIE 2

MEHAULT Sonia From 10-10-2009 to 15-10-2009

TR BRESTCC (Transit)

From 09-10-2009 to 09-10-2009

FROMVAR 2009

MARIE Louis From 18-09-2009 to 07-10-2009

TR OUAIBRE From
16-09-2009 to 16-09-2009

COSB2009

HUET Jérôme From 27-08-2009 to 15-09-2009

TR BREQUAI From
26-08-2009 to 26-08-2009

TR BAIBRE From
18-08-2009 to 21-08-2009

COPER 10

BATTAGLIA André From
12-08-2009 to 18-08-2009

TR TURBAIE From
11-08-2009 to 11-08-2009

PLOOPS 01

DUBOIS Stanislas From
26-07-2009 to 10-08-2009

SURVIE 1

MORANDEAU Fabien
From 20-07-2009 to 25-07-2009

COMOR 39

FOUCHER Eric
SCHLAICH Ivan From
01-07-2009 to 17-07-2009

ROCCHSED09

CLAISSE Didier From 16-06-2009 to 30-06-2009

ITIS 1

MORANDEAU Fabien From
27-05-2009 to 15-06-2009

REBENT 18

EHRHOLD Axel
HAMON Dominique From
08-05-2009 to 25-05-2009

DISCOTEC

RINNERT Emmanuel From
30-04-2009 to 06-05-2009

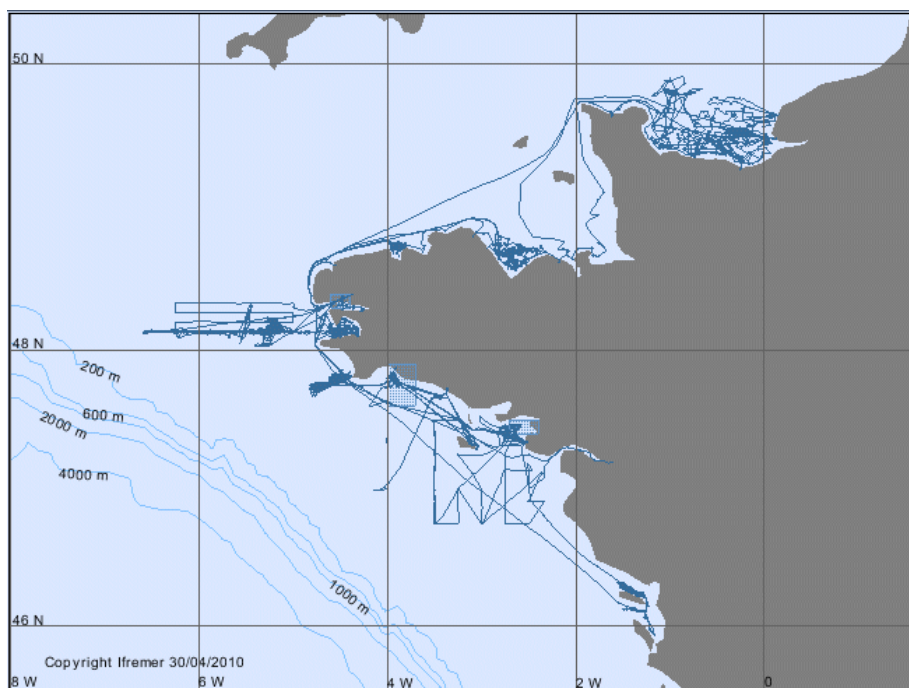
CO2ARVOR 1

BOZEC Yann From 19-04-2009 to 28-04-2009

ESSON

CLEC'H Didier From 15-04-2009 to 17-04-2009

TR OUISBR From
12-04-2009 to 13-04-2009

*Thalia*

Cruise voyages in 2009: 26 cruises and transits

CARBOSEINE

TESSIER Bernadette
THINON Isabelle
From 02-04-2009 to 12-04-2009

ESSZEN

AUGRIS Claude
APPRIQUAL Ronan
From 28-03-2009 to 30-03-2009

SEISPLOOPS

EHRHOLD Axel
From 25-03-2009 to 26-03-2009

CARMOLIT2

JEGOU Paul
From 21-03-2009 to 22-03-2009

CARMOLIT1

JEGOU Paul
From 28-01-2009 to 28-01-2009

6.2.2.7. *Haliotis**List of cruises*[ESSTECH09-2](#)

BARBOT Stéphane

From 16-11-2009 to 18-11-2009

[DARSE](#)

MORVAN Bernard

From 06-11-2009 to 07-11-2009

[CARTOMED](#)

SARTORETTO Stéphane

PAIRAUD Ivane

From 05-10-2009 to 06-11-2009

[ROUSTAN 2](#)

VELLA Claude

From 30-08-2009 to 27-09-2009

[HALIGURE](#)

HENRY Pierre

MIGEON Sébastien

From 21-08-2009 to 26-08-2009

[GOUFHEAD](#)

GILLET Hervé

From 12-08-2009 to 17-08-2009

[LEMOINE2009-2](#)

LE MOINE Olivier

SAURIAU Pierre-Guy

LANGLOIS Simon

From 19-07-2009 to 09-08-2009

[REBHALIO 2](#)

EHRHOLD Axel

From 28-06-2009 to 14-07-2009

[ESTUNORD09](#)

TRENTESAUX Alain

FERRET Yann

GOSELIN Guillaume

From 03-06-2009 to 20-06-2009

[MEGAQUIB](#)

BALTZER Agnès

From 20-05-2009 to 28-05-2009

[POIZOT2009-1](#)

POIZOT Emmanuel

From 02-05-2009 to 19-05-2009

[REBHALIO 1](#)

PLUQUET Fabrice

EHRHOLD Axel

From 11-03-2009 to 20-03-2009

[LEMOINE2009-1](#)

LE MOINE Olivier

SAURIAU Pierre-Guy

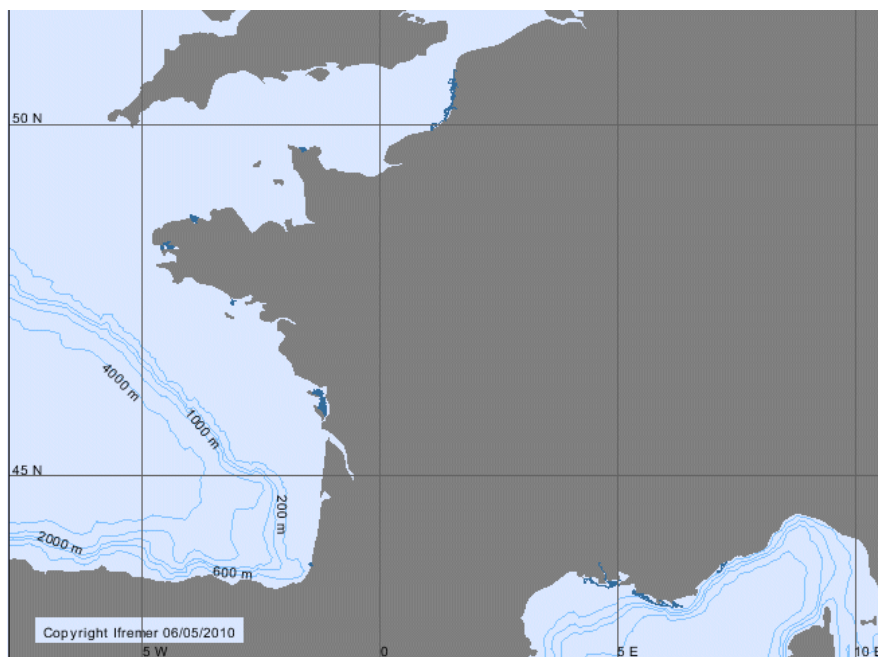
CURTI Cécile

From 17-02-2009 to 03-03-2009

[ESSTECH09-1](#)

DUSSUD Loïc

From 09-02-2009 to 13-02-2009

*L'Haliotis**Cruise voyages in 2009: 14 cruises*

6.2.3.

Route of CNRS-INSU vessels

6.2.3.1. Côte d'Aquitaine

List of cruises

ARCADINO JULY 2009

BUJAN Stéphane
From 09-07-2009 to 13-07-2009

ARCADINO JUNE 2009

LE ROUX Jean-François
From 19-06-2009 to 23-06-2009

ARCADINO MAY 2009

MAURER Danièle
From 19-05-2009 to 23-05-2009

GRANIMP09

DUCLOS Pierre-Arnaud
LE BOT Sophie
From 03-05-2009 to 11-05-2009

ARCADINO APRIL 2009

LAZURE Pascal
From 18-04-2009 to 21-04-2009

SEISPLOOPS

BALTZER Agnès
EHRHOLD Axel
From 05-04-2009 to 12-04-2009

ARCADINO MARCH 2009

MAURER Danièle
From 14-03-2009 to 17-03-2009

ZOOTRANS 2009

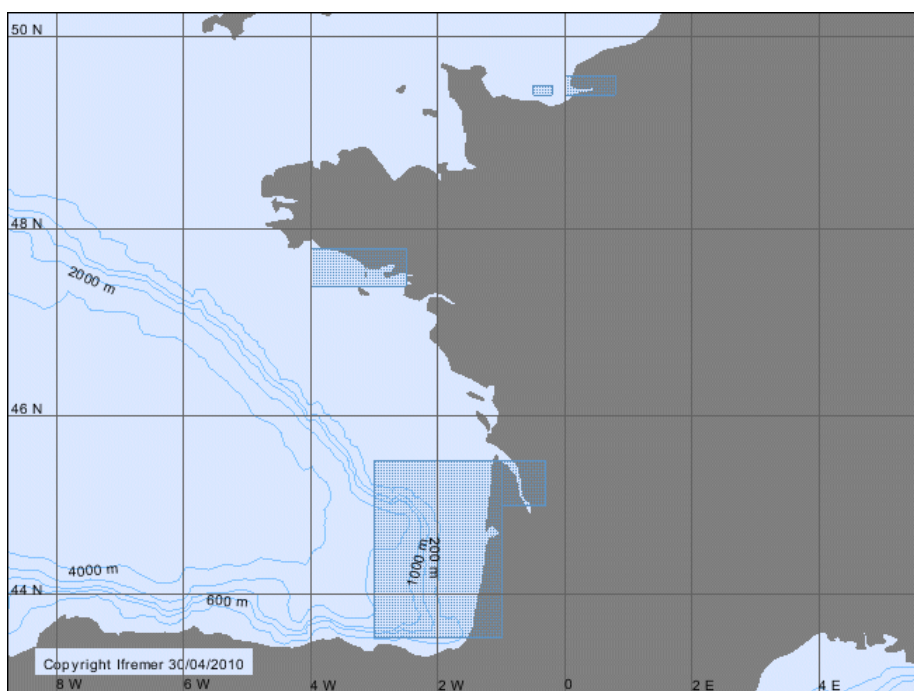
SOUISSI Sami
GLIPPA Olivier
From 25-02-2009 to 07-11-2009

SOGIR 09

OGGIAN Georges
From 20-01-2009 to 19-08-2009



Côte d'Aquitaine



Cruise voyages in 2009: 9 cruises

6.2.3.2. Côtés de la Manche

*List of cruises***NITTEK**

COLAS Florent From 15-12-2009 to 19-12-2009

CO2ARVOR 3

BOZEC Yann From 17-10-2009 to 26-10-2009

ISOBENT OCT

GRALL Jacques From 01-10-2009 to 05-10-2009

ARCADINO AUGUST 2009

BUJAN Stéphane From 10-08-2009 to 14-08-2009

CO2ARVOR 2

BOZEC Yann From 05-07-2009 to 15-07-2009

LEVIATHAN 2009

METZGER Edouard From 19-06-2009 to 02-07-2009

CAROLS 2009

BOUTIN Jacqueline
REVERDIN Gilles From 15-06-2009 to 19-06-2009

BATEL-2B

FROIDEFOND Jean-Marie
From 11-06-2009 to 13-06-2009

CADIAC

ANSCHUTZ Pierre From 07-06-2009 to 08-06-2009

ISOBENT MAI

GRALL Jacques From 17-05-2009 to 22-05-2009

BATEL-2A

FROIDEFOND Jean-Marie
From 03-04-2009 to 05-04-2009

METOGIR

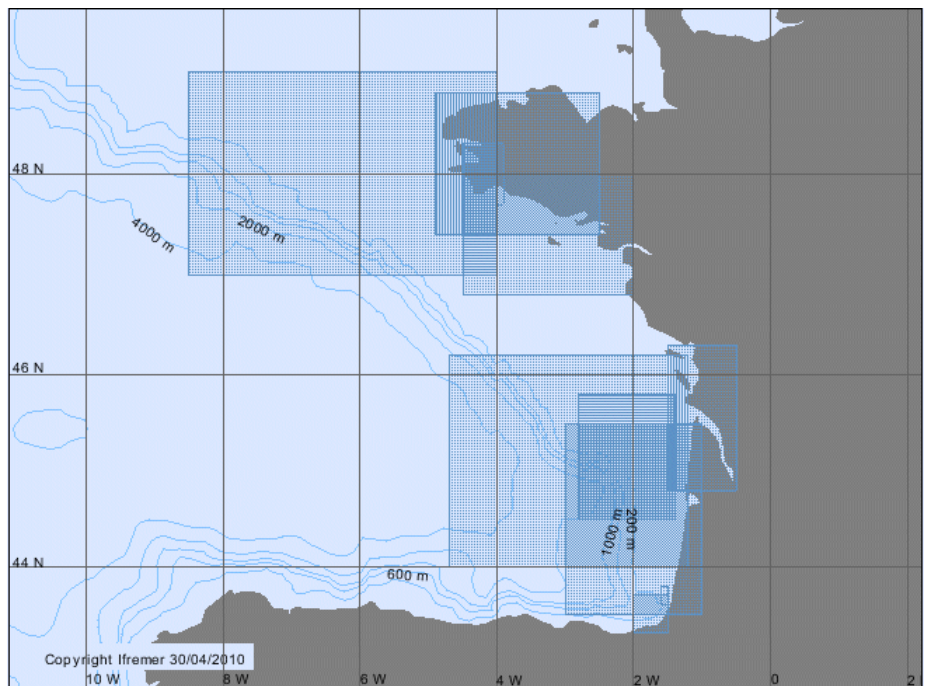
COYNEL Alexandra
BOSSY Cécile From 16-03-2009 to 21-09-2009

REBENT 19

GENTIL Franck
GRALL Jacques From 20-02-2009 to 27-02-2009



Côtés de la Manche



Cruise voyages in 2009: 13 cruises

6.2.3.3. *Téthys II**List of cruises***COSTEAU 2**

CARLOTTI François
From 02-10-2009 to 17-10-2009

LATEX02

PETRENKO Anne
From 25-08-2009 to 30-08-2009

UNIMED 4

RIDAME Céline From 12-08-2009 to 14-08-2009

CASSEIS

FOURNIER François
From 19-07-2009 to 30-07-2009

UNIMED 3

RIDAME Céline
From 12-07-2009 to 14-07-2009

METYSS

GAULLIER Virginie
LOFI Johanna From 18-06-2009 to 30-06-2009

MOOSE0

DESPREZ DE
GESINCOURT Floriane
COPPOLA Laurent
From 06-06-2009 to 03-08-2009

CHACCRA-2009

NAUDIN Jean-Jacques
From 24-05-2009 to 25-05-2009

UNIMED 2

RIDAME Céline
From 20-05-2009 to 23-05-2009

HYDROCHANGES

FUDA Jean-Luc
ROUGIER Gilles From 06-05-2009 to 08-05-2009

BILLION 26

CARBONNE Jacques
From 01-05-2009 to 05-05-2009

DEEP/3

DURRIEU de MADRON
Xavier From 02-04-2009 to 30-04-2009

UNIMED 1

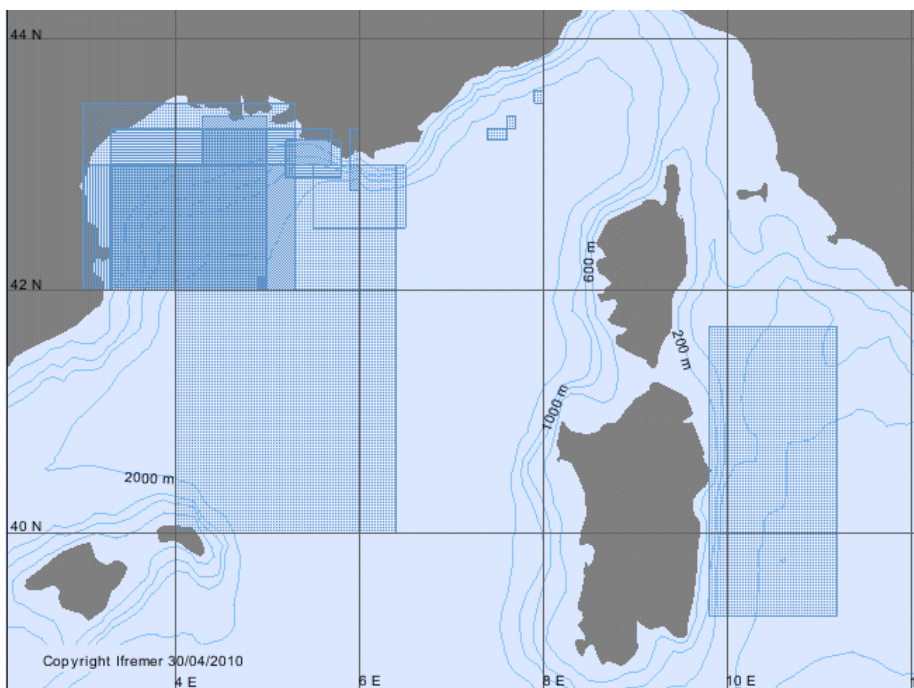
RIDAME Céline From 29-03-2009 to 30-03-2009

42NSE-0902

MORTIER Laurent From 25-03-2009 to 28-03-2009

PHYOCE09

ZAKARDJIAN Bruno
MOLCARD Anne From 27-02-2009 to 03-03-2009

*Téthys II**Cruise voyages in 2009: 17 cruises***OPERA**

LEFEVRE Dominique
From 22-01-2009 to 13-12-2009

BOUSSOLE 2009

VELLUCCI Vincenzo
DIAMOND Emilie
ANTOINE David
From 18-01-2009 to 11-12-2009

6.2.4. Route of IPEV vessels

6.2.4.1. Marion Dufresne

List of cruises

MD 174 / TRACK 2

VIVIER Frédéric From
19-12-2009 to 24-01-2009

VT 108 / OISO-18

METZL Nicolas
LO MONACO Claire
From 19-12-2009 to 24-01-
2009

VT 109/OHA-SIS-BIO-1

ROYER Jean-Yves From 19-
12-2009 to 24-01-2009

VT 107 / NIVMER10

GUILLEM Christophe
VERRON Jacques
From 18-11-2009 to 16-12-
2009

MD 173 / RETRO 2 (IMAGES 18)

WAELEBROECK Claire
DOKKEN Trond
From 17-10-2009 to 26-10-
2009

VT 106 / AGULHAS 2009

MCLACHLAN Ian From
20-09-2009 to 15-10-2009

VT 104 MD 172 - KAVIAR / TABLE

CHAPRON Emmanuel
From 13-02-2009 to 16-03-
2009

MD 172 / TRACK-1

PARK Young-Hyang From
13-02-2009 to 16-03-2009

VT 105 / OISO 17

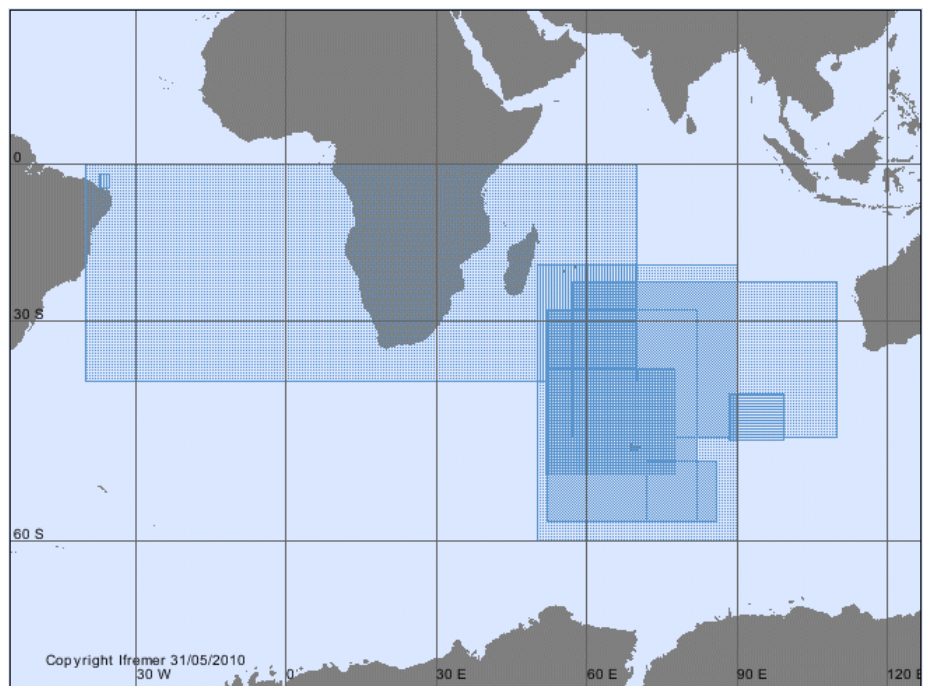
METZL Nicolas
LO MONACO Claire From
03-01-2009 to 12-02-2009

MD 171 / GEISEIR-1

HEMOND Christophe
From 03-01-2009 to 12-02-
2009

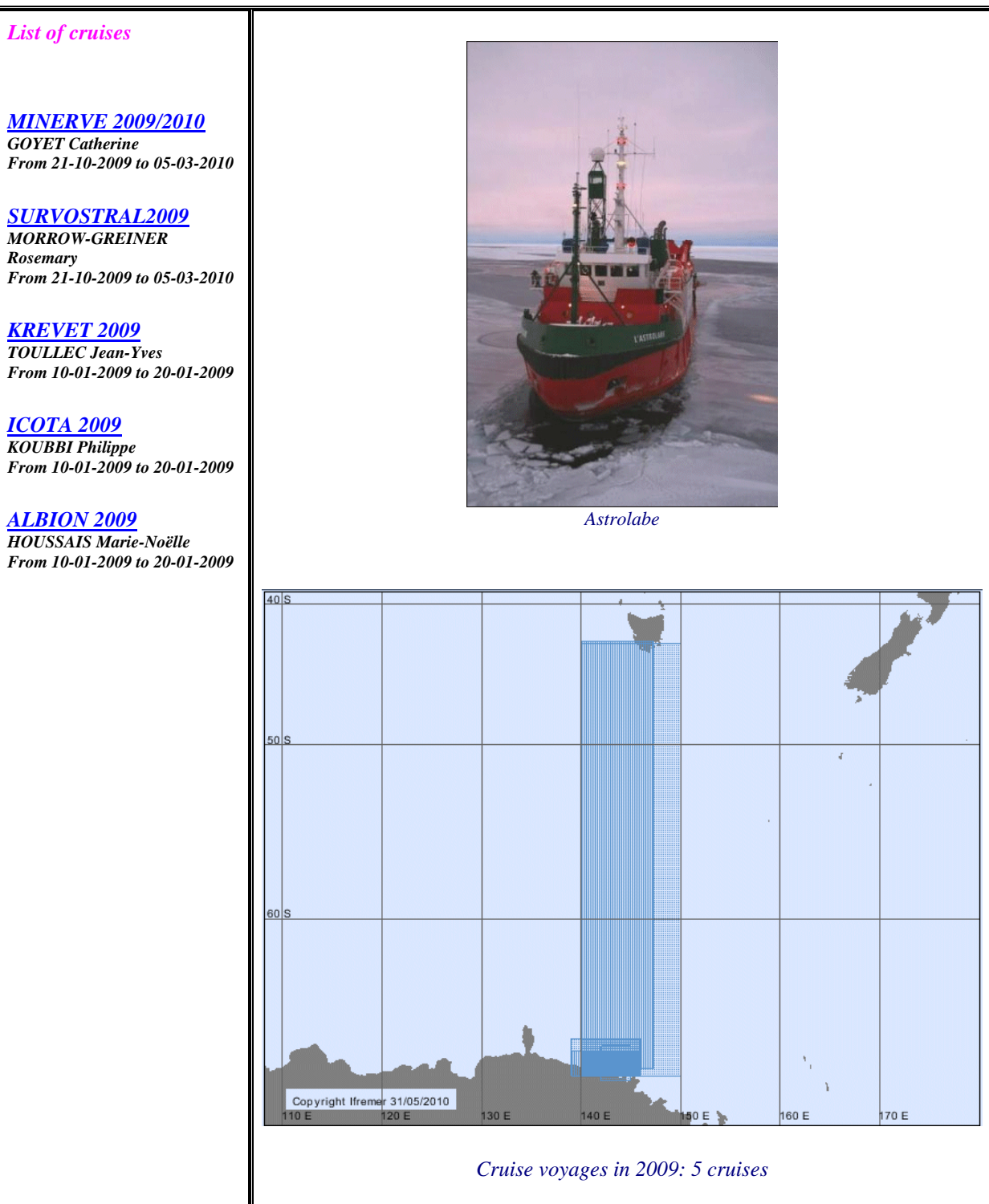


Marion Dufresne



Cruise voyages in 2009: 10 cruises and transits

6.2.4.2. Astrolabe



6.2.5. Route of IRD vessels

6.2.5.1. *Alis*

List of cruises

BSMPF-1

DEBITUS Cécile

From 07-08-2009 to 17-09-2009

GEODEVA3

BALLU Valérie

From 03-04-2009 to 18-04-2009

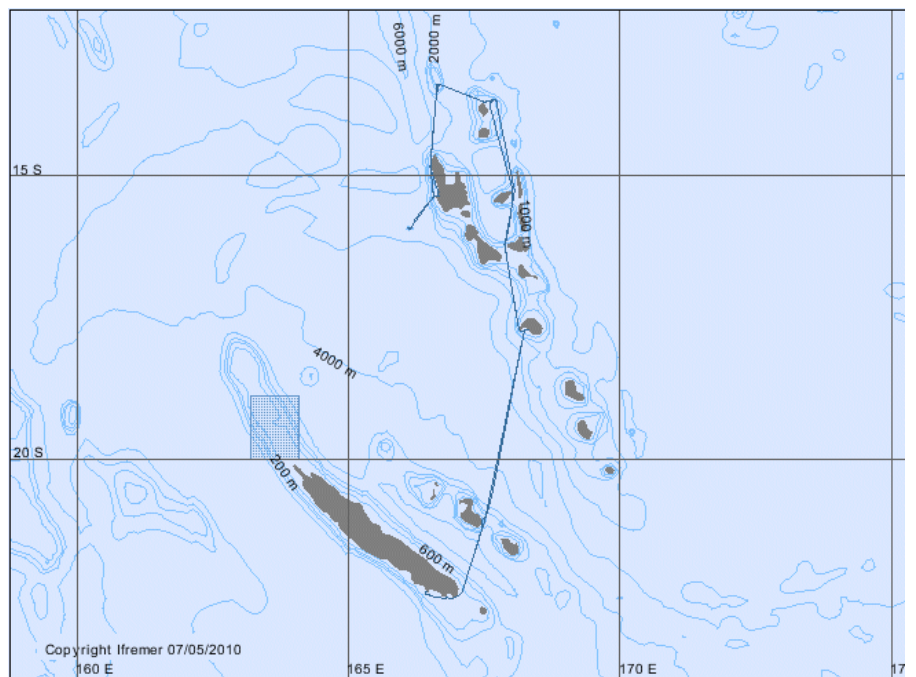
CORALCAL-3

PAYRI Claude

From 11-03-2009 to 30-03-2009



Alis



Cruise voyages in 2009: 3 cruises

6.2.5.2. *Antéa**List of cruises*MESOP2009*TERNON Jean-François**From 28-10-2009 to 23-11-2009*TR PGDURBAN*(Transit)**From 02-08-2009 to 18-08-2009*PIRATA-FR19*GRELET Jacques**CHUCHLA Rémy**From 13-06-2009 to 24-07-2009*GOGASMOS*REVERDIN Gilles**From 02-05-2009 to 26-05-2009**Antéa**Cruise voyages in 2009: 4 cruises and transits*

6.2.6. Route of French Navy vessel

6.2.6.1. *Beautemps-Beaupré*

List of cruises

TV LISBONNE BREST

KERAMOAL Yann

From 27-11-2009 to 30-11-2009

TV TOULON LISBONNE

KERAMOAL Yann

From 07-11-2009 to 23-11-2009

TV TOULON TOULON

KERAMOAL Yann

From 26-10-2009 to 27-10-2009

GEOPHYSIQUE 4

KERAMOAL Yann

From 23-10-2009 to 26-10-2009

GEOPHYSIQUE 3

KERAMOAL Yann

From 06-10-2009 to 13-10-2009

GEOPHYSIQUE 2

KERAMOAL Yann

From 22-09-2009 to 02-10-2009

TV HERAKLION TOULON

KERAMOAL Yann

From 22-08-2009 to 27-08-2009

GEOPHYSIQUE 1

KERAMOAL Yann

From 07-08-2009 to 18-09-2009

TV DJIBOUTI HERAKLION

KERAMOAL Yann

From 06-08-2009 to 19-08-2009

TV MORONI DJIBOUTI

DAVID (IETA)

From 23-07-2009 to 31-07-2009

RECHERCHES YEMENIA

DAVID (IETA)

From 17-07-2009 to 17-07-2009

TV MORONI MORONI

DAVID (IETA)

From 17-07-2009 to 23-07-

2009MOMAR2008-LEGI

DAVID (IETA)

From 06-07-2009 to 17-07-2009

REDISQ

DAVID (IETA)

From 26-06-2009 to 04-07-2009

TV MASCATE DJIBOUTI

DAVID (IETA)

From 15-06-2009 to 23-06-2009

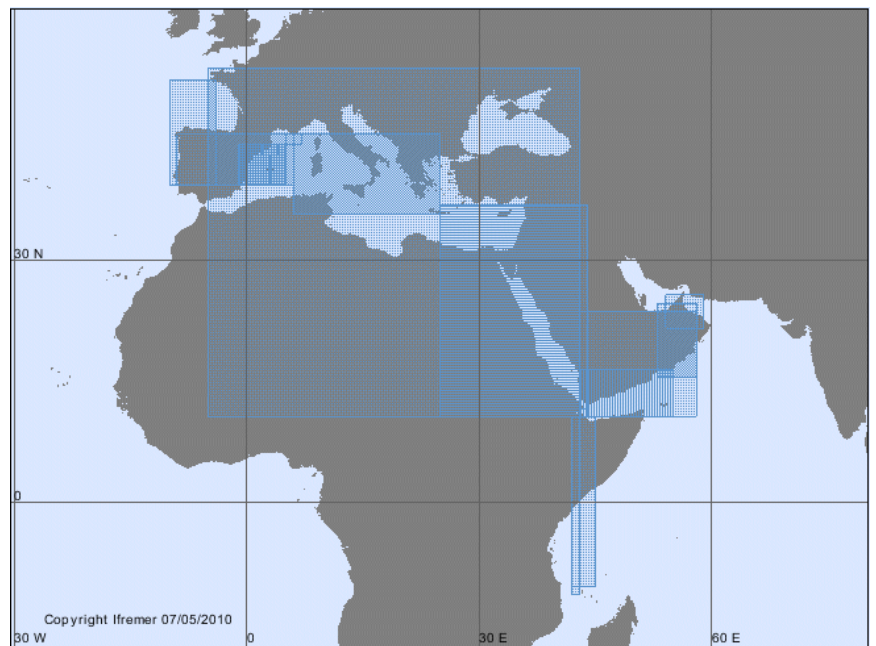
TV ABUDHABI MASCATE

DAVID (IETA)

From 07-06-2009 to 10-06-2009



Beautemps-Beaupré



Cruise voyages in 2009: 19 cruises and transits

TV SALALAH ABUDHABI

KERLEGUER Laurent

From 19-03-2009 to 28-03-2009

TV DJIBOUTI SALALAH

KERLEGUER Laurent

From 01-03-2009 to 16-03-2009

TV BREST DJIBOUTI

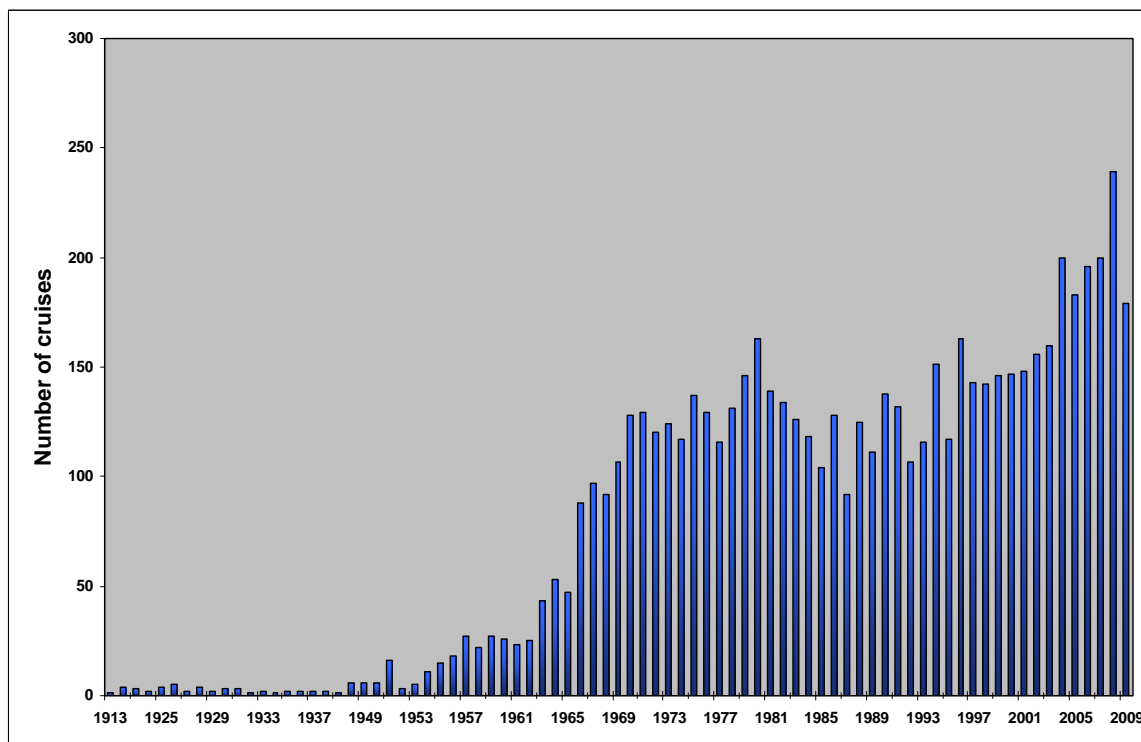
KERLEGUER Laurent

From 06-02-2009 to 25-02-2009

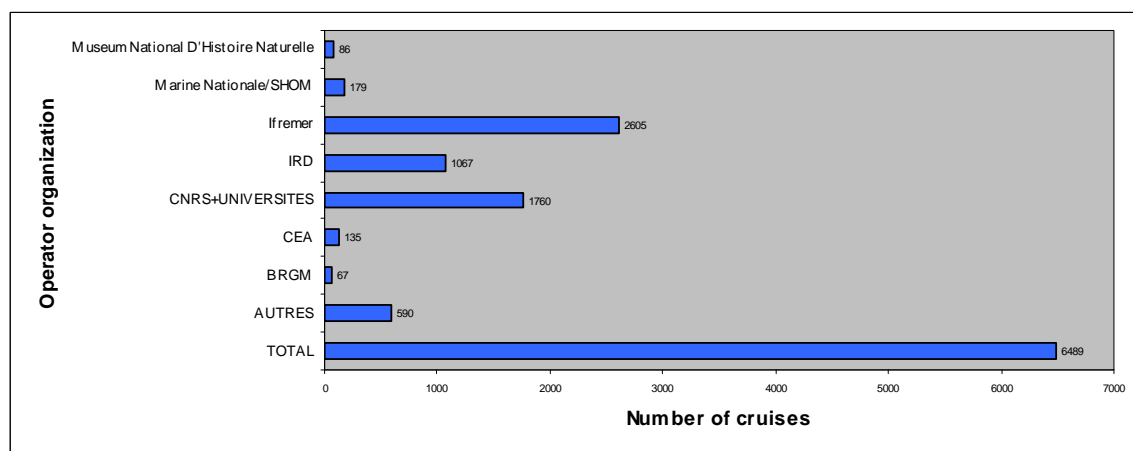
7. Statistics for all cruises

7.1. Background

The 6489 French cruises (comprising the ocean research cruises, transits and trial cruises – non-confidential or under contract, but not ranked Confidential defense) can be broken down as follows over time:



The main client organizations for these cruises were:



7.2. In 2009

In 2009, 179 French cruises and transits were recorded at SISMER.

7.2.1. Breakdown of cruises by client

The client is the the shipowner.

Shipowner	<i>Number of cruises</i>
CNRS	39
IPEV	15
IRD	7
Ifremer	99
FRENCH NAVY/SHOM	19
TOTAL	179

7.2.2. Breakdown of cruises by client organization

The client organization is the entity which has requested the cruise (generally represented by the chief scientist).

Client organization	Number of cruises
CEA	1
CNRS+UNIVERSITIES	62
Ecole Supérieure d'Agronomie	1
IRD	4
Ifremer	82
Earth physics institute in Paris	3
Intechmer	1
FRENCH NAVY/SHOM	23
National museum of natural history	1
Petroleum Agency South Africa	1
TOTAL	179

7.2.3. List of cruises

The list of 2009 cruises by vessel is given below.

Information about each of the cruises is available on the Nautilus website <http://www.ifremer.fr/sismerData/jsp/campagnesALaMer.jsp> by clicking [CTRL + left CLICK] on the name of the cruise.

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Alis	BSMPF-1	07 08 2009	17 09 2009	SW PACIFIC (140 W BOUNDARY)	DEBITUS Cécile	IRD PAPEETE CENTER, IRD
Alis	CORALCAL-3	11 03 2009	30 03 2009	SOUTH PACIFIC	PAYRI Claude	IRD NOUMEA CENTER, IRD
Alis	GEODEVA3	03 04 2009	18 04 2009	SW PACIFIC (140 W BOUNDARY)	BALLU Valérie	INSTITUT DE PHYSIQUE DU GLOBE DE PARIS IPGP, Earth physics institute in Paris
Antea	GOGASMOS	02 05 2009	26 05 2009	BAY OF BISCAY	REVERDIN Gilles	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Antea	MESOP2009	28 10 2009	23 11 2009	MOZAMBIQUE CHANNEL	TERNON Jean-François	IRD REUNION ISLAND CENTER, IRD
Antea	PIRATA-FR19	13 06 2009	24 07 2009	ATLANTIC OCEAN	GRELET Jacques	IRD BRITTANY CENTER, IRD
Antea	TR PGDURBAN	02 08 2009	18 08 2009	OCEAN ATLANTIQUE SUD	Transit with no chief scientist.	GENAVIR BREST, Ifremer
L'Astrolabe	ALBION 2009	10 01 2009	20 01 2009	ANTARCTIC OCEAN	HOUSSAIS Marie-Noëlle	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
L'Astrolabe	ICOTA 2009	10 01 2009	20 01 2009	ANTARCTIC OCEAN	KOUBBI Philippe	LAB. OCEANOGRAPHY LABORATORY OF VILLEFRANCHE (LOV), University of Paris VI - UPMC
L'Astrolabe	KREVEV 2009	10 01 2009	20 01 2009	ANTARCTIC OCEAN	TOULLEC Jean-Yves	STRUCTURAL AND FUNCTIONAL BIOCHEMISTRY PROTEINS - FRE 2852, University of Paris VI - UPMC
L'Astrolabe	MINERVE 2009/2010	22 10 2009	05 03 2010	ANTARCTIC OCEAN	GOYET Catherine	INTEGRATED SYSTEM BIOPHYSICS AND DYNAMICS LABORATORY University of Perpignan
L'Astrolabe	SURVOSTRAL2009	22 10 2009	05 03 2010	ANTARCTIC OCEAN	MORROW-GREINER Rosemary	LEGOS, CNRS
L'Atalante	ESSADCP	27 08 2009	31 08 2009	BAY OF BISCAY	CLECH Didier	NSE - VESSELS AND SHIPBOARD SYSTEMS, Ifremer
L'Atalante	ESSIENCATA	20 05 2009	24 06 2009	BAY OF BISCAY	FLOCH Henri	IFREMER BREST CENTER, Ifremer
L'Atalante	MOUTON2009-LEG1	06 08 2009	17 08 2009	BAY OF BISCAY	GUILLOU Raymond (IPETA)	SHOM - BREST CENTER, French Navy/SHOM
L'Atalante	MOUTON2009-LEG2	22 08 2009	03 09 2009	BAY OF BISCAY	GUILLOU Raymond (IPETA)	SHOM - BREST CENTER, French Navy/SHOM

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
L'Atalante	MOUTON2009-LEG3	06 09 2009	12 09 2009	BAY OF BISCAY	GUILLOU Raymond (IPETA)	SHOM - BREST CENTER, French Navy/SHOM
L'Atalante	SPIRAL	26 09 2009	10 11 2009	WESTERN MEDITERRANEAN BASIN	GRAINDORGE David	UMR 6538 / CNRS OCEAN DOMAINS, University of Western Brittany (UBO)
L'Atalante	TR LSRIO	05 12 2009	31 12 2009	NORTHERN ATLANTIC OCEAN	Transit with no chief scientist.	GENAVIR BREST, Ifremer
L'Atalante	TV BROR	19 09 2009	24 09 2009	BAY OF BISCAY	LOSSOUARN Hubert	GENAVIR BREST, Ifremer
L'Atalante	TV ORLS	11 11 2009	16 11 2009	MEDITERRANEAN	VIOLLETTE Pascal	GENAVIR BREST, Ifremer
L'Atalante	VALIDOP	26 06 2009	14 07 2009	BAY OF BISCAY	FLOC'H Henri	IFREMER BREST CENTER, Ifremer
Beautemps- Beaupré	GEOPHYSIQUE 1	07 08 2009	18 09 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps- Beaupré	GEOPHYSIQUE 2	22 09 2009	02 10 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps- Beaupré	GEOPHYSIQUE 3	06 10 2009	13 10 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps- Beaupré	GEOPHYSIQUE 4	23 10 2009	26 10 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps- Beaupré	RECHERCHES YEMENIA	17 07 2009	17 07 2009	WORLD COVERAGE	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Beautemps-Beaupré	REDISO	26 06 2009	04 07 2009	GULF OF ADEN	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV ABUDHABI MASCATE	07 06 2009	10 06 2009	WORLD COVERAGE	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV BREST DJIBOUTI	06 02 2009	25 02 2009	WORLD COVERAGE	KERLEGUER Laurent	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV DJIBOUTI HERAKLION	06 08 2009	19 08 2009	RED SEA	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV DJIBOUTI MORONI	06 07 2009	17 07 2009	WORLD COVERAGE	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV DJIBOUTI SALALAH	01 03 2009	16 03 2009	WORLD COVERAGE	KERLEGUER Laurent	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV HERAKLION TOULON	22 08 2009	27 08 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV LISBONNE BREST	27 11 2009	30 11 2009	NORTHERN ATLANTIC OCEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV MASCATE DJIBOUTI	15 06 2009	23 06 2009	WORLD COVERAGE	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV MORONI DJIBOUTI	23 07 2009	31 07 2009	WORLD COVERAGE	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Beautemps-Beaupré	TV_MORONI_MORONI	17 07 2009	23 07 2009	INDIAN OCEAN	DAVID (IETA)	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV_SALALAH_ABUDHABI	19 03 2009	28 03 2009	WORLD COVERAGE	KERLEGUER Laurent	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV_TOULON_LISBONNE	07 11 2009	23 11 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Beautemps-Beaupré	TV_TOULON_TOULON	26 10 2009	27 10 2009	MEDITERRANEAN	KERAMOAL Yann	SHOM - BREST CENTER, French Navy/SHOM
Côte D'Aquitaine	ARCADINO APRIL 2009	18 04 2009	21 04 2009	BAY OF BISCAY	LAZURE Pascal	DYNECO/PHYSED- HYDRODYNAMICS AND SEDIMENTARY PHYSICS LABORATORY, Ifremer
Côte D'Aquitaine	ARCADINO JULY 2009	09 07 2009	13 07 2009	BAY OF BISCAY	BUJAN Stéphane	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côte D'Aquitaine	ARCADINO JUNE 2009	19 06 2009	23 06 2009	BAY OF BISCAY	LE ROUX Jean-François	DYNECO/PHYSED- HYDRODYNAMICS AND SEDIMENTARY PHYSICS LABORATORY, Ifremer
Côte D'Aquitaine	ARCADINO MAY2009	19 05 2009	23 05 2009	BAY OF BISCAY	MAURER Daniele	IFREMER ARCHACHON STATION, Ifremer
Côte D'Aquitaine	ARCADINO MARCH 2009	14 03 2009	17 03 2009	BAY OF BISCAY	MAURER Daniele	IFREMER ARCHACHON STATION, Ifremer
Côte D'Aquitaine	GRANIMP09	03 05 2009	11 05 2009	ENGLISH CHANNEL	DUCLOS Pierre-Arnaud	GEOLOGY LABORATORY UMR CNRS 6143 'MC2', University of Rouen

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Côte D'Aquitaine	SEISPLOOPS	05 04 2009	12 04 2009	CELTIC SEA	BALTZER Agnès	CONTINENTAL AND COASTAL MORPHODYNAMICS LABORATORY (M2C), University of Caen
Côte D'Aquitaine	SOGIR 09	20 01 2009	19 08 2009	BAY OF BISCAY	OGGIAN Georges	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côte D'Aquitaine	ZOOTRANS 2009	25 02 2009	07 11 2009	ENGLISH CHANNEL	SOUISSI Sami	OCEANOLOGY AND GEOSCIENCES LABORATORY - LOG (UMR 8187), University of Littoral Cote D'Opale
Côtes De La Manche	ARCADINO AUGUST 2009	10 08 2009	14 08 2009	BAY OF BISCAY	BUJAN Stéphane	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côtes De La Manche	BATEL-2A	03 04 2009	05 04 2009	BAY OF BISCAY	FROIDEFOND Jean-Marie	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côtes De La Manche	BATEL-2B	11 06 2009	13 06 2009	BAY OF BISCAY	FROIDEFOND Jean-Marie	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côtes De La Manche	CADIAC	07 06 2009	08 06 2009	BAY OF BISCAY	ANSCHUTZ Pierre	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côtes De La Manche	CAROLS 2009	15 06 2009	19 06 2009	BAY OF BISCAY	BOUTIN Jacqueline	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Côtes De La Manche	CO2ARVOR 2	05 07 2009	15 07 2009	BAY OF BISCAY	BOZEC Yann	ROSCOFF BIOLOGICAL STATION, CNRS
Côtes De La Manche	CO2ARVOR 3	17 10 2009	26 10 2009	BAY OF BISCAY	BOZEC Yann	ROSCOFF BIOLOGICAL STATION, CNRS

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Côtes De La Manche	ISOBENT MAI	17 05 2009	22 05 2009	BAY OF BISCAY	GRALL Jacques	MARINE ENVIRONMENTAL SCIENCES LABORATORY (LEMAR), CNRS
Côtes De La Manche	ISOBENT OCT	01 10 2009	05 10 2009	BAY OF BISCAY	GRALL Jacques	MARINE ENVIRONMENTAL SCIENCES LABORATORY (LEMAR), CNRS
Côtes De La Manche	LEVIATHAN 2009	19 06 2009	02 07 2009	BAY OF BISCAY	METZGER Edouard	RECENT AND FOSSIL BIO-INDICATORS LABORATORY (BIAF), University of Angers
Côtes De La Manche	METOGIR	16 03 2009	21 09 2009	BAY OF BISCAY	COYNEL Alexandra	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Côtes De La Manche	NITTEK	15 12 2009	19 12 2009	BAY OF BISCAY	COLAS Florent	ERT-TECHNOLOGICAL TRIALS AND RESEARCH DEPARTMENT, Ifremer
Côtes De La Manche	REBENT 19	20 02 2009	27 02 2009	ENGLISH CHANNEL	GENTIL Franck	ROSCOFF BIOLOGICAL STATION, CNRS
L'Europe	BILLION 27	19 11 2009	25 11 2009	WESTERN MEDITERRANEAN BASIN	DURRIEU de MADRON Xavier	CEFREM, University of Perpignan
L'Europe	COSTEAU 1	06 10 2009	22 10 2009	WESTERN MEDITERRANEAN BASIN	TRONCZYNSKI Jacek	BE-DPT CHEMICAL POLLUTANTS, BIOGEOCHEMISTRY AND ECOTOXICOLOGY, Ifremer
L'Europe	DCE 1	05 03 2009	16 03 2009	WESTERN MEDITERRANEAN BASIN	ANDRAL Bruno	IFREMER TOULON CENTER, Ifremer
L'Europe	DCE 2	26 03 2009	18 04 2009	WESTERN MEDITERRANEAN BASIN	ANDRAL Bruno	IFREMER TOULON CENTER, Ifremer
L'Europe	DEEP/4	24 10 2009	18 11 2009	WESTERN MEDITERRANEAN BASIN	DURRIEU de MADRON Xavier	CEFREM, University of Perpignan

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
L'Europe	DIVACOU 2	31 01 2009	04 02 2009	MEDITERRANEAN	BOUHIER Marie-Edith	IFREMER TOULON CENTER, Ifremer
L'Europe	DIVACOU 3	10 09 2009	05 10 2009	MEDITERRANEAN	BOUHIER Marie-Edith	IFREMER TOULON CENTER, Ifremer
L'Europe	ESSAUV 09	06 02 2009	18 02 2009	WESTERN MEDITERRANEAN BASIN	OPDERBECKE Jan	IFREMER TOULON CENTER, Ifremer
L'Europe	GOLDHY LAST CHANCE	05 09 2009	08 09 2009	WESTERN MEDITERRANEAN BASIN	FUDA Jean-Luc	LAB. OCEANOGRAPHY AND BIOGEOCHEMISTRY LABORATORY- LOBP, CNRS
L'Europe	HICORAMA II	17 03 2009	25 03 2009	WESTERN MEDITERRANEAN BASIN	GONZALEZ Jean-Louis	IFREMER TOULON CENTER, Ifremer
L'Europe	JUVALION	08 01 2009	29 01 2009	WESTERN MEDITERRANEAN BASIN	LIOUZOU Bernard	IFREMER SETE STATION, Ifremer
L'Europe	MALISAR / ALTO	19 02 2009	03 03 2009	LIGURIAN SEA	MIGEON Sébastien	GEOSCIENCES AZUR - VILLEFRANCHE SITE, University of Paris VI - UPMC
L'Europe	MEDITS 2009	20 05 2009	23 06 2009	WESTERN MEDITERRANEAN BASIN	SOUPLET Arnauld	IFREMER SETE STATION, Ifremer
L'Europe	MYTIOR 1	19 04 2009	12 05 2009	EASTERN MEDITERRANEAN BASIN	GALGANI François	IFREMER TOULON CENTER, Ifremer
L'Europe	MYTIOR 2	30 07 2009	26 08 2009	EASTERN MEDITERRANEAN BASIN	GALGANI François	IFREMER TOULON CENTER, Ifremer
L'Europe	PELMED 2009	24 06 2009	29 07 2009	WESTERN MEDITERRANEAN BASIN	BIGOT Jean-Louis	IFREMER SETE STATION, Ifremer
L'Europe	TECHAUV	16 05 2009	19 05 2009	WESTERN MEDITERRANEAN BASIN	KER Stéphane	GM- MARINE GEOSCIENCES, Ifremer
L'Europe	VALINCIS4	28 08 2009	04 09 2009	MEDITERRANEE BASSIN OCCIDENTAL	GENSOUS Bernard	IMAGES-INSTITUTE FOR MODELING AND ANALYSIS OF MARINE GEO-ENVIRONMENT, University of Perpignan

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Gwen Drez	BIOSICON	18 09 2009	28 09 2009	ENGLISH CHANNEL	BURGEOT Thierry	BE-DPT CHEMICAL POLLUTANTS, BIOGEOCHEMISTRY AND ECOTOXICOLOGY, Ifremer
Gwen Drez	CGFS2009	02 10 2009	30 10 2009	ENGLISH CHANNEL	LEROY Didier	HMMN- ENGLISH CHANNEL-NORTH SEA FISHERIES SCIENCES DEPARTMENT, Ifremer
Gwen Drez	DGAL-BAIE DE SEINE	23 03 2009	02 04 2009	ENGLISH CHANNEL	ABARNOU Alain	BIOGEOCHEMISTRY AND ECOTOXICOLOGY DEPARTMENT, Ifremer
Gwen Drez	ISOBAIE	18 04 2009	27 04 2009	BAY OF BISCAY	LE BRIS Hervé	AGROCAMPUS OUEST, Ecole Supérieure d'Agronomie
Gwen Drez	LANGOLF 2009	12 05 2009	30 05 2009	BAY OF BISCAY	SALAUN Michèle	STH/LBP- FISHERIES BIOLOGY LABORATORY, Ifremer
Gwen Drez	NURSE 2009	25 08 2009	15 09 2009	BAY OF BISCAY	BRINDAMOUR Anik	EMH- ECOLOGY AND MODELS FOR FISHERIES SCIENCE DEPARTMENT, Ifremer
Gwen Drez	OPTIPECHE03	02 06 2009	12 06 2009	BAY OF BISCAY	VINCENT Benoît	IFREMER LORIENT STATION, Ifremer
Gwen Drez	ORHAGO 09	03 11 2009	16 12 2009	BAY OF BISCAY	BATTAGLIA André	IFREMER LA ROCHELLE-L'HOUMEAU STATION, Ifremer
Gwen Drez	SELECT 1	04 04 2009	16 04 2009	BAY OF BISCAY	MEILLAT Marc	IFREMER LORIENT STATION, Ifremer
Gwen Drez	SELECT 2	29 04 2009	11 05 2009	BAY OF BISCAY	MEILLAT Marc	IFREMER LORIENT STATION, Ifremer
Gwen Drez	SELECT 3	13 06 2009	25 06 2009	BAY OF BISCAY	MEILLAT Marc	IFREMER LORIENT STATION, Ifremer
Haliotis	CARTOMED	05 10 2009	06 11 2009	WESTERN MEDITERRANEAN BASIN	SARTORETTO Stéphane	IFREMER TOULON CENTER, Ifremer
Haliotis	DARSE	06 11 2009	07 11 2009	MEDITERRANEAN	MORVAN Bernard	GENAVIR BREST, Ifremer
Haliotis	ESSTECH09-1	09 02 2009	13 02 2009	BAY OF BISCAY	DUSSUD Loïc	NSE - VESSELS AND SHIPBOARD SYSTEMS, Ifremer
Haliotis	ESSTECH09-2	16 11 2009	18 11 2009	BAY OF BISCAY	BARBOT Stephane	ERT-TECHNOLOGICAL TRIALS AND RESEARCH DEPARTMENT, Ifremer

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Haliotis	ESTUNORD09	03 06 2009	20 06 2009	ENGLISH CHANNEL	TRENTESAUX Alain	SEDIMENTARY DOMAIN PROCESSES AND BUDGETS, University of science and technologies of Lille 1
Haliotis	GOUFHEAD	12 08 2009	17 08 2009	BAY OF BISCAY	GILLET Hervé	EPOC - OCEAN ENVIRONMENTS AND PALEOENVIRONMENTS, University of Bordeaux I
Haliotis	HALIGURE	21 08 2009	26 08 2009	WESTERN MEDITERRANEAN BASIN	HENRY Pierre	CEREGE, Universite Paul Cézanne (Aix-Marseille III)
Haliotis	LEMOINE2009-1	17 02 2009	03 03 2009	NE ATLANTIC (40 W BOUNDARY)	LE MOINE Olivier	IFREMER STATION DE LA TREMBLADE, Ifremer
Haliotis	LEMOINE2009-2	19 07 2009	09 08 2009	NE ATLANTIC (40 W BOUNDARY)	LE MOINE Olivier	IFREMER STATION DE LA TREMBLADE, Ifremer
Haliotis	MEGAQUIB	20 05 2009	28 05 2009	BAY OF BISCAY	BALTZER Agnès	CONTINENTAL AND COASTAL MORPHODYNAMICS LABORATORY (M2C), University of Caen
Haliotis	POIZOT2009-1	02 05 2009	19 05 2009	ENGLISH CHANNEL	POIZOT Emmanuel	INTECHMER National institute of marine sciences and techniques
Haliotis	REBHALIO 1	11 03 2009	20 03 2009	BAY OF BISCAY	PLUQUET Fabrice	DYNECO/BENTHOS- BENTHIC ECOLOGY LABORATORY, Ifremer
Haliotis	REBHALIO 2	28 06 2009	14 07 2009	ENGLISH CHANNEL	EHRHOLD Axel	DYNECO/BENTHOS- BENTHIC ECOLOGY LABORATORY, Ifremer
Haliotis	ROUSTAN 2	30 08 2009	27 09 2009	WESTERN MEDITERRANEAN BASIN	VELLA Claude	CEREGE, Universite Paul Cézanne (Aix-Marseille III)
Marion Dufresne	MD 171 / GEISEIR-1	03 01 2009	12 02 2009	INDIAN OCEAN	HEMOND Christophe	UMR 6538 / CNRS OCEAN DOMAINS, University of Western Brittany (UBO)
Marion Dufresne	MD 172 / TRACK-1	13 02 2009	16 03 2009	INDIAN OCEAN	PARK Young-Hyang	SYSTEMATICS & EVOLUTION DEPARTMENT, National Museum of natural history MNHN

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Marion Dufresne	MD 173 / RETRO 2 (IMAGES 18)	17 10 2009	26 10 2009	ATLANTIC S W (20 W BOUNDARY)	WAE LBROECK Claire	CLIMATE AND ENVIRONMENTAL SCIENCES LABORATORY, CEA
Marion Dufresne	MD 174 / TRACK-2	19 12 2009	24 01 2010	ARCTIC OCEAN	VIVIER Frédéric	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Marion Dufresne	VT 104 MD 172 - KAVIAR / TABLE	13 02 2009	16 03 2009	INDIAN OCEAN	CHAPRON Emmanuel	INSTITUTE OF EARCH SCIENCES OF ORLEANS (ISTO/UMR 6113), University of Orleans
Marion Dufresne	VT 105 / OISO 17	03 01 2009	12 02 2009	INDIAN OCEAN	METZL Nicolas	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Marion Dufresne	VT 106 / AGULHAS 2009	20 09 2009	15 10 2009	INDIAN OCEAN	MCLACHLAN Ian	PETROLEUM AGENCY SOUTH AFRICA, Petroleum Agency South Africa
Marion Dufresne	VT 107 / NIVMER10	18 11 2009	16 12 2009	INDIAN OCEAN	GUILLERM Christophe	CNRS/INSU TECHNICAL DIVISION FIELD OFFICE, CNRS
Marion Dufresne	VT 108 / OISO-18	19 12 2009	24 01 2010	ANTARCTIC OCEAN	LO MONACO Claire	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Marion Dufresne	VT 109 / OHA-SIS-BIO-1	19 12 2009	24 01 2010	ANTARCTIC OCEAN	ROYER Jean-Yves	UMR 6538 / CNRS OCEAN DOMAINS, University of Western Brittany (UBO)
Pourquoi pas?	BATHYLUCK 2009	31 08 2009	29 09 2009	NE ATLANTIC (40 W BOUNDARY)	ESCARTIN Javier	INSTITUT DE PHYSIQUE DU GLOBE DE PARIS IPGP, Earth physics institute in Paris
Pourquoi Pas ?	BOBGEO	14 10 2009	28 10 2009	BAY OF BISCAY	BOURILLET Jean-François	GM- MARINE GEOSCIENCES, Ifremer
Pourquoi Pas ?	ESSNAUT 09	09 05 2009	19 05 2009	BAY OF BISCAY	NIVAGGIOLI Jean-Michel	GENAVIR LA SEYNE SUR MER, Ifremer
Pourquoi Pas ?	MOCOSED 2009	21 05 2009	30 05 2009	ATLANTIC OCEAN	GUILLOU Raymond (IPETA)	SHOM - BREST CENTER, French Navy/SHOM
Pourquoi Pas ?	TR BRHA	29 10 2009	03 11 2009	NE ATLANTIC (40 W BOUNDARY)	Transit with no chief scientist.	GENAVIR BREST, Ifremer

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Pourquoi pas?	TR BRPAP	16 11 2009	01 12 2009	NORTHERN ATLANTIC OCEAN	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Pourquoi Pas?	TR HABR	12 11 2009	15 11 2009	NE ATLANTIC (40 W BOUNDARY)	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Pourquoi pas?	TR LHABR	30 09 2009	05 10 2009	NE ATLANTIC (40 W BOUNDARY)	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Le Suroît	GWADASEIS	22 02 2009	28 03 2009	ATLANTIC OCEAN	FEUILLET Nathalie	INSTITUT DE PHYSIQUE DU GLOBE DE PARIS IPGP, Earth physics institute in Paris
Le Suroît	KASHALLOW 2	26 01 2009	19 02 2009	CARRIBEAN SEA	LEBRUN Jean Frédéric	EA4098 LARGE - GEOSCIENCES RESEARCH LABORATORY, University of the French West Indies and Guiana
Le Suroît	MARMESONET	04 11 2009	14 12 2009	MARMARA SEA	GELI Louis	GM- MARINE GEOSCIENCES, Ifremer
Le Suroît	SATEM302	24 10 2009	26 10 2009	MEDITERRANEAN	CLECH Didier	NSE - VESSELS AND SHIPBOARD SYSTEMS, Ifremer
Le Suroît	TR ISTLS	15 12 2009	21 12 2009	MEDITERRANEAN	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Le Suroît	TR LSIST	27 10 2009	02 11 2009	MEDITERRANEAN	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Le Suroît	TR PAPLS	31 03 2009	16 04 2009	NE ATLANTIC (40 W BOUNDARY)	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Téthys II	BILLION 26	01 05 2009	05 05 2009	WESTERN MEDITERRANEAN BASIN	CARBONNE Jacques	CEFREM, University of Perpignan
Téthys II	BOUSSOLE 2009	18 01 2009	11 12 2009	LIGURIAN SEA	VELLUCCI Vincenzo	LAB. OCEANOGRAPHY LABORATORY OF VILLEFRANCHE (LOV), University of Paris VI - UPMC
Téthys II	CASSEIS	19 07 2009	30 07 2009	WESTERN MEDITERRANEAN BASIN	FOURNIER François	CARBONATE RESERVOIR AND SYSTEM GEOLOGY (EA4229), University of Provence d'Aix-Marseille 1
Téthys II	CHACCRA-2009	24 05 2009	25 05 2009	WESTERN MEDITERRANEAN BASIN	NAUDIN Jean-Jacques	OCEANOLOGICAL OBSERVATORY OF BANYULS (OOB), UNIVERSITY OF PARIS VI

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Téthys II	COSTEAU 2	02 10 2009	17 10 2009	WESTERN MEDITERRANEAN BASIN	CARLOTTI François	LAB. OCEANOGRAPHY AND BIOGEOCHEMISTRY LABORATORY-LOBP, CNRS
Téthys II	DEEP/3	02 04 2009	30 04 2009	WESTERN MEDITERRANEAN BASIN	DURRIEU de MADRON Xavier	CEFREM, University of Perpignan
Téthys II	HYDROCHANGES	06 05 2009	08 05 2009	WESTERN MEDITERRANEAN BASIN	FUDA Jean-Luc	LAB. OCEANOGRAPHY AND BIOGEOCHEMISTRY LABORATORY-LOBP, CNRS
Téthys II	LATEX02	25 08 2009	30 08 2009	WESTERN MEDITERRANEAN BASIN	PETRENKO Anne	LAB. OCEANOGRAPHY AND BIOGEOCHEMISTRY LABORATORY-LOBP, CNRS
Téthys II	METYSS	18 06 2009	30 06 2009	TYRRHENIAN SEA	GAULLIER Virginie	IMAGES-INSTITUTE FOR MODELING AND ANALYSIS OF MARINE GEO-ENVIRONMENT, University of Perpignan
Téthys II	MOOSE0	06 06 2009	03 08 2009	WESTERN MEDITERRANEAN BASIN	DESPREZ DE GESINCOURT Floriane	OCEANOLOGICAL OBSERVATORY OF VILLEFRANCHE SUR MER (OOV), UNIVERSITY OF PARIS VI
Téthys II	OPERA	22 01 2009	13 12 2009	WESTERN MEDITERRANEAN BASIN	LEFEVRE Dominique	LMGEM - MARINE MICROBIOLOGY, GEOCHEMISTRY AND ECOLOGY, CNRS
Téthys II	PHYOCE09	27 02 2009	03 03 2009	LIGURIAN SEA	ZAKARDJIAN Bruno	ELECTROMAGNETIC SOUNDINGS LABORATORY (LSEET), University of Toulon
Téthys II	UNIMED 1	29 03 2009	30 03 2009	LIGURIAN SEA	RIDAME Céline	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Téthys II	UNIMED 2	20 05 2009	23 05 2009	LIGURIAN SEA	RIDAME Céline	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Téthys II	UNIMED 3	12 07 2009	14 07 2009	LIGURIAN SEA	RIDAME Céline	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Téthys II	UNIMED 4	12 08 2009	14 08 2009	LIGURIAN SEA	RIDAME Céline	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Téthys II	42N5E-0902	25 03 2009	28 03 2009	WESTERN MEDITERRANEAN BASIN	MORTIER Laurent	LOCEAN (OCEANOGRAPHY AND CLIMATE LABORATORY), University of Paris VI - UPMC
Thalassa	ASPEX 2009	12 07 2009	22 07 2009	BAY OF BISCAY	MARIE Louis	OPS/LPO- OCEAN PHYSICS LABORATORY, Ifremer

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Thalassa	EVHOE 2009	18 10 2009	01 12 2009	BAY OF BISCAY	LEAUTE Jean-Pierre	IFREMER LA ROCHELLE-L'HOUMEAU STATION, Ifremer
Thalassa	IBTS 2009	13 01 2009	13 02 2009	NORTH SEA	VERIN Yves	HMMN- ENGLISH CHANNEL-NORTH SEA FISHERIES SCIENCES DEPARTMENT, Ifremer
Thalassa	PELGAS 2009	25 04 2009	05 06 2009	ATLANTIC OCEAN	MASSE Jacques	EMH- ECOLOGY AND MODELS FOR FISHERIES SCIENCE DEPARTMENT, Ifremer
Thalassa	TR BLBR	14 02 2009	15 02 2009	ENGLISH CHANNEL	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	CARBOSEINE	02 04 2009	12 04 2009	ENGLISH CHANNEL	TESSIER Bernadette	CONTINENTAL AND COASTAL MORPHODYNAMICS LABORATORY (M2C), University of Caen
Thalia	CARMOLIT1	28 01 2009	28 01 2009	BAY OF BISCAY	JEGOU Paul	TSI-DPT INSTRUMENT SYSTEMS TECHNOLOGY, Ifremer
Thalia	CARMOLIT2	21 03 2009	22 03 2009	BAY OF BISCAY	JEGOU Paul	TSI-DPT INSTRUMENT SYSTEMS TECHNOLOGY, Ifremer
Thalia	COMOR 39	01 07 2009	17 07 2009	ENGLISH CHANNEL	FOUCHER Eric	IFREMER PORT EN BESSIN STATION, Ifremer
Thalia	COPER 10	12 08 2009	18 08 2009	BAY OF BISCAY	BATTAGLIA André	IFREMER LA ROCHELLE-L'HOUMEAU STATION, Ifremer
Thalia	COSB2009	27 08 2009	15 09 2009	ENGLISH CHANNEL	HUET Jérôme	STH- FISHERIES SCIENCES AND TECHNOLOGIES DEPARTMENT, Ifremer
Thalia	CO2ARVOR 1	19 04 2009	28 04 2009	BAY OF BISCAY	BOZEC Yann	ROSCOFF BIOLOGICAL STATION, CNRS
Thalia	DISCOTEC	30 04 2009	06 05 2009	NE ATLANTIC (40 W BOUNDARY)	RINNERT Emmanuel	ERT-TECHNOLOGICAL TRIALS AND RESEARCH DEPARTMENT, Ifremer
Thalia	ESSON	15 04 2009	17 04 2009	ATLANTIC S W (20 W BOUNDARY)	CLECH Didier	NSE - VESSELS AND SHIPBOARD SYSTEMS, Ifremer
Thalia	ESSTECH	30 10 2009	01 11 2009	ENGLISH CHANNEL	GUEDES Jean-Charles	GENAVIR BREST, Ifremer
Thalia	ESSZEN	28 03 2009	30 03 2009	BAY OF BISCAY	AUGRIS Claude	GM- MARINE GEOSCIENCES, Ifremer
Thalia	FROMVAR 2009	18 09 2009	07 10 2009	BAY OF BISCAY	MARIE Louis	OPS/LPO- OCEAN PHYSICS LABORATORY, Ifremer
Thalia	GRANIMP09B	19 10 2009	30 10 2009	ENGLISH CHANNEL	DUCLOS Pierre-Arnaud	GEOLOGY LABORATORY UMR CNRS 6143 'MC2', University of Rouen
Thalia	ITIS 1	27 05 2009	15 06 2009	CELTIC SEA	MORANDEAU Fabien	IFREMER LORIENT STATION, Ifremer

Vessel	Cruise	Start date	End date	Geographical area	Name of chief scientist	Chief scientist's laboratory
Thalia	PLOOPS 01	26 07 2009	10 08 2009	BAY OF BISCAY	DUBOIS Stanislas	DYNECO-COASTAL ENVIRONMENT DYNAMICS DEPT. Ifremer
Thalia	REBENT 18	08 05 2009	25 05 2009	BAY OF BISCAY	EHRHOLD Axel	DYNECO/BENTHOS- BENTHIC ECOLOGY LABORATORY, Ifremer
Thalia	ROCCHSED09	16 06 2009	30 06 2009	ENGLISH CHANNEL	CLAISSE Didier	BE-DPT CHEMICAL POLLUTANTS, BIOGEOCHEMISTRY AND ECOTOXICOLOGY, Ifremer
Thalia	SEISPLOOPS	25 03 2009	26 03 2009	BAY OF BISCAY	EHRHOLD Axel	DYNECO/BENTHOS- BENTHIC ECOLOGY LABORATORY, Ifremer
Thalia	SURVIE 1	20 07 2009	25 07 2009	BAY OF BISCAY	MORANDEAU Fabien	IFREMER LORIENT STATION, Ifremer
Thalia	SURVIE 2	10 10 2009	15 10 2009	BAY OF BISCAY	MEHAULT Sonia	IFREMER LORIENT STATION, Ifremer
Thalia	TR BAIBRE	18 08 2009	21 08 2009	ENGLISH CHANNEL	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	TR BREQUAI	26 08 2009	26 08 2009	ENGLISH CHANNEL	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	TR BRESTCC	09 10 2009	09 10 2009	BAY OF BISCAY	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	TR OUISBR	12 04 2009	13 04 2009	NE ATLANTIC (40 W BOUNDARY)	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	TR QUAIBRE	16 09 2009	16 09 2009	ENGLISH CHANNEL	Transit with no chief scientist.	GENAVIR BREST, Ifremer
Thalia	TR TURBAIE	11 08 2009	11 08 2009	BAY OF BISCAY	Transit with no chief scientist.	GENAVIR BREST, Ifremer

7.2.4. List of cruises with no summary.

For the following cruises, SISMER was unable to obtain the corresponding summary report. This has made it impossible for SISMER to correctly disseminate oceanographic information for them (data and metadata).

Name	Vessel	Chief scientist	Organization	Start	End
ODCIUEM	COTE D AQUITAINE	GRALL Jacques	UBO (France)	09/03/2009	26/10/2009
COSMOITEM	COTE D AQUITAINE	RAGUENEAU Olivier	UBO (France)	26/05/2009	04/06/2009
COLMATAGE	COTE D AQUITAINE	DAUVIN Jean Claude	University of Lille (France)	24/09/2009	01/10/2009
COSMOITEM	COTES DE LA MANCHE	RAGUENEAU Olivier	UBO (France)	09/02/2009	26/10/2009
MICROCREP	COTES DE LA MANCHE	THOUZEAU Gérard	UBO (France)	03/03/2009	28/09/2009
COLMATAGE	COTES DE LA MANCHE	DAUVIN Jean Claude	University of Lille (France)	18/04/2009	03/09/2009
DISVER 2009	COTES DE LA MANCHE	DUMAS Franck	IFREMER (Brest)	05/09/2009	10/09/2009
42N5E-0901	TETHYS II	TESTOR Pierre	LOCEAN (Paris)	25/01/2009	07/07/2009
HYGAM 2009-1 / 2 / 3	TETHYS II	LEREDDE Yann	University of Montpellier	31/08/2009	29/11/2009

8. Glossary

CNRS	National center for scientific research
IOC	Intergovernmental Oceanographic Commission
CSR	Cruise Summary Report (formerly called ROSCOP)
EUROSEISMIC	European Marine Seismic Metadata and Information Centre
EXTRAPLAC	French Continental shelf extension program
GENAVIR	Research vessel management (IFREMER group)
IDM	IT and Marine Data Department
IEO	Spanish oceanography institute
IFREMER	French research institute for exploitation of the sea (formerly ISTPM-CNEXO)
INSU	National institute for sciences of the universe
IODE	International Oceanographic Data and Information Exchange
IPEV	Paul Emile Victor French polar institute
IRD	French research institute for cooperative development (formerly ORSTOM)
ISI	Information systems engineering
MEDAR	Mediterranean Data Archaeology and Rescue
MNHN	National museum of natural history
MFSTEP	Mediterranean Forecasting Toward Environmental Prediction
MTPII/MATER	Mediterranean Targeted Project II/MAss Transfer and Ecosystem Response
ROSCOP	Report of Observation/Samples Collected by Oceanographic Program
ROV	Remote Operated Vehicle
SHOM	French navy hydrographic and oceanographic service
SISMER	Marine scientific information systems
UNESCO	United Nations Educational, Scientific and Cultural Organization

9. Acknowledgements

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