

IFREMER, an institution devoted to marine sciences

- Its missions
- Ifremer in numbers
- Operational observation
- World scale management

www.ifremer.fr

Its missions

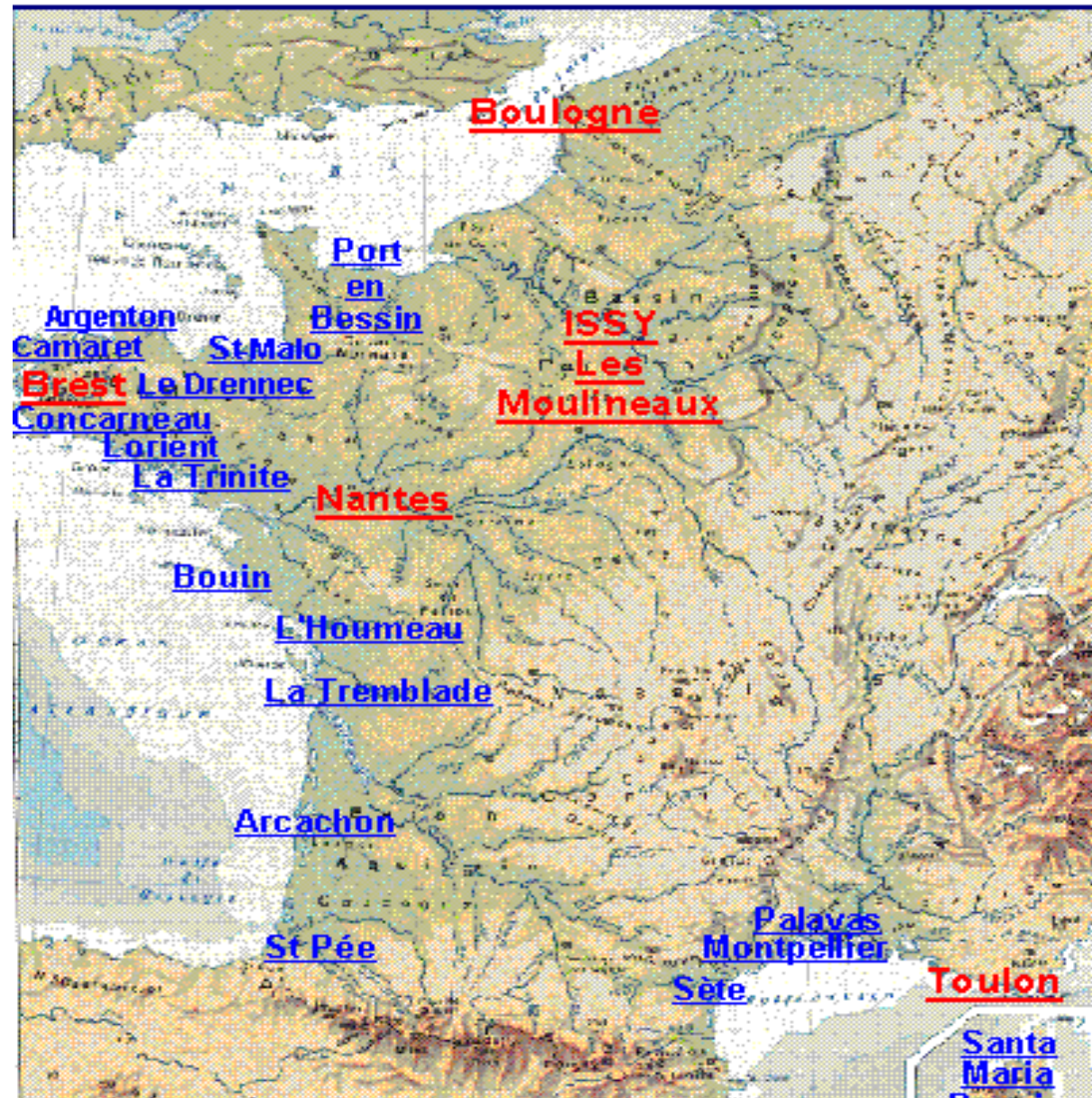
- In charge of developing
 - research, expertise, technologies
for the exploitation of marine resources
- In view of :
 - evaluating and predicting the evolution of marine resources for their sustainable exploitation
 - improving methods for monitoring, predicting, protecting and exploiting the ocean and coastal areas
 - helping socio-economic activities in the ocean domain

IFREMER

in numbers

- About 2000 members
 - scientists and technicians
 - ship crews
 - visitors and PhDs
- About 150 Meuros/yr
- 24 sites
 - in France
 - and overseas (La Reunion, New Caledonia, Tahiti, Martinique, Guyana)

Implantations IFREMER en FRANCE



IFREMER

in numbers

- 7 research vessels
 - 4 large – world ocean
- 4 deep sea tools
 - 2 submarines – 1 remotely operated vehicle
- 14 experimental facilities
 - hydrodynamics
 - aquaculture
 - Test Tanks



Computer and Network Facilities

- Worldwide computer network
- Archiving and automatic backup facilities
- Mainframe computer for modelling
- Relational Database servers
- Software and Hardware Engineering Support Groups
- Data Centre with national and international responsibilities

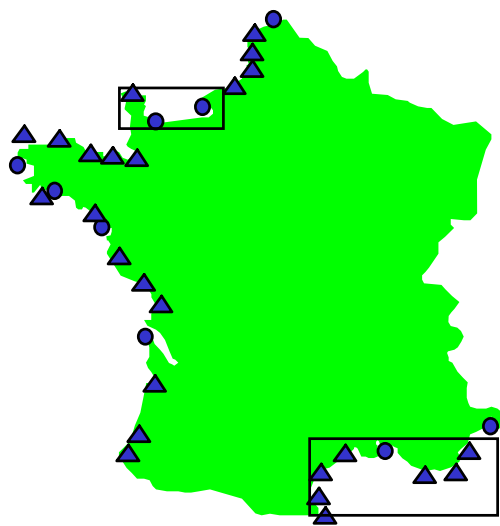
Operational Observation

- Environmental monitoring networks, at national and regional scale
- Automated monitoring system : MAREL data buoy
- Operational Oceanography : PROVOR floats (CORIOLIS)
- Data management : SISMER and QUADRIGE
- CERSAT: ERS altimeter and scatterometer data centre
- Modelling : Coastal ecosystem models and hydrodynamic 3D nested models

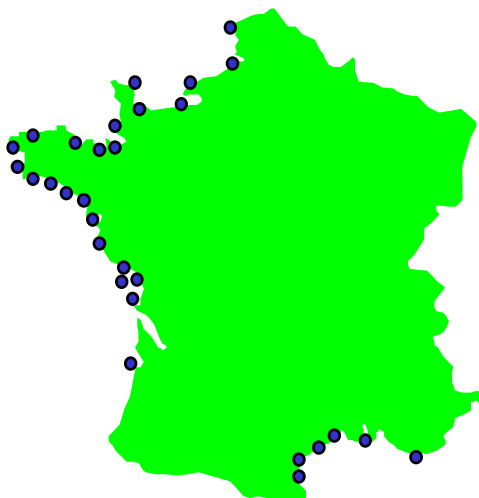
RNO, REPHY et REMI

Couverture géographique

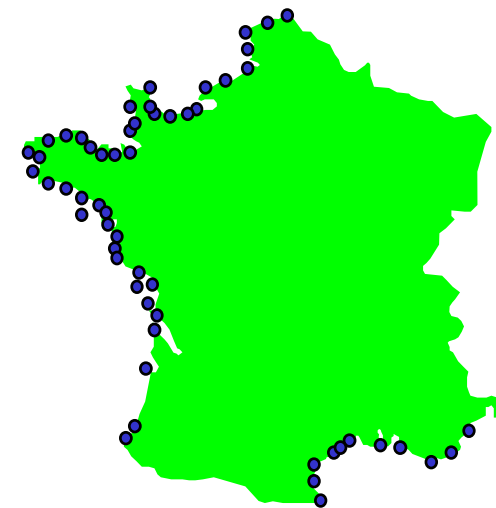
RNO



REPHY



REMI



• Qualité générale des eaux

▲ Contaminants (coquillages et sédiment)

□ Effets biologiques (poissons, coquillages)

• 1 à 3 stations de prélèvement
de la surveillance REPHY
(60 points)

• 1 à 6 stations de prélèvement
de la surveillance REMI (345 points)



Welcome at the French
National Oceanographic Data
Centre



Services

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[Hardware and Software Support](#)

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- ◆ [Service RIC](#)

[Quality Assurance](#)

[How to get data?](#)

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TMSI/IDM/SISMER

Scientific Information Systems for the Sea

Data	
Oceanographic Information <ul style="list-style-type: none"> ● Cruise summary Reports (ROSCOP) ● European Directory of Marine Data (EDMED) ● MAST/EURONODIM - Sea-Search 	Operational Oceanography <ul style="list-style-type: none"> ● CORIOLIS/ARGO ● MFSP - Mediterranean Forecasting ● Global Temperature Salinity Data Centre TOGAWOCE/CLIVAR ● COASTAL Environment Monitoring
Marine Geophysics <ul style="list-style-type: none"> ● National Data Bank ● DORSALES/RIDGE Data Bank ● ROBLINKS - Acoustic Propagation 	Marine Physics & Chemistry <ul style="list-style-type: none"> ● National Data Bank ● Sea Surface Salinity ● MTP II/MATER - Méditerranéen ● MEDATLAS, MEDAR/MEDATLAS II ● OCTOPUS - Acoustic Tomography
Other Databases at IFREMER <ul style="list-style-type: none"> ● Ficheries Databases (intranet) ● Benthic Biology BIOCEAN ● Satellite Data - CERSAT ● Economical Data 	Reference Data <ul style="list-style-type: none"> ● Gridded Climatologies ● Topographic data ● Bottom Maps (intranet only) ● CDrom databases available at SISMER
Réseaux et Programmes d'Echange Internationaux <ul style="list-style-type: none"> ● ICES - Marine Data Management working Group ● UNESCO/IOC/IODE : International Oceanographic Data & Information Exchange ● Oceanographic Data Centres in Europe and in the world 	



Ifremer environnement

actualités surveillance votre région documentation images pédagogie

surveillance



[Réseaux de surveillance](#)
[Données](#)
[Pollutions accidentelles](#)
[Surveillance en Europe](#)

L'ifremer participe, au titre de ses missions institutionnelles, à l'observation et à la surveillance de la mer côtière. Cette surveillance s'exerce sur différents domaines :

- la microbiologie sanitaire
- le phytoplancton et les phycotoxines (toxines algales)
- la qualité générale du milieu, et son état d'enrichissement et d'eutrophisation
- la contamination chimique (les "polluants") et ses effets sur le milieu vivant

La surveillance de la qualité du milieu marin s'appuie essentiellement sur trois composantes :

- le réseau de contrôle microbiologique (REMI)
- le réseau de surveillance du phytoplancton et des phycotoxines

Ifremer
environnement

Point Toulon - Lazaret
Code 40100101
Latitude 43°05.40'N
Longitude 005°54.50'E
Site Toulon à St Raphaël
Bassin Rade de Toulon

■ Seuil arrêté 21/05/99 : 10

Echelle

Fixe

Variable

Plage de valeurs

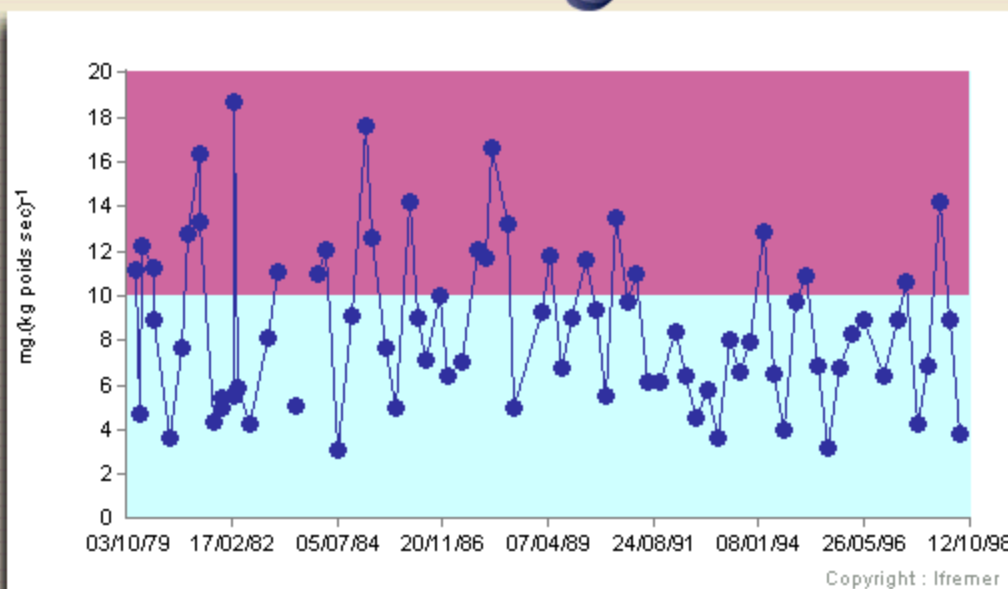
de : Décembre 1979

à : Août 1998

Rafraîchir

Télécharger

Plomb - Moule



WORLD-SCALE MANAGEMENT

- International research programs
 - World Climate Research Program (WCRP)
 - International Geosphere Biosphere Program since 1980 (IGBP)
- International organisation for operational oceanography
 - Global Ocean Observing System (GOOS), MedGOOS
 - subset of agencies
- Coordinating the use of infrastructures
 - through the programs
- Sharing the investment
 - satellites, ships