



# The French Navy Hydrographic and Oceanographic Service

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# SHOM

# SHOM: inheritor of the World's first official Hydrographic Office

*1720: creation of **Dépôt des cartes et plans de la marine**,  
(the chart repository) which, in 1886, was renamed...*

**Service hydrographique de la marine**

*... and in 1971, became:*

**Service hydrographique et océanographique  
de la marine (SHOM)**

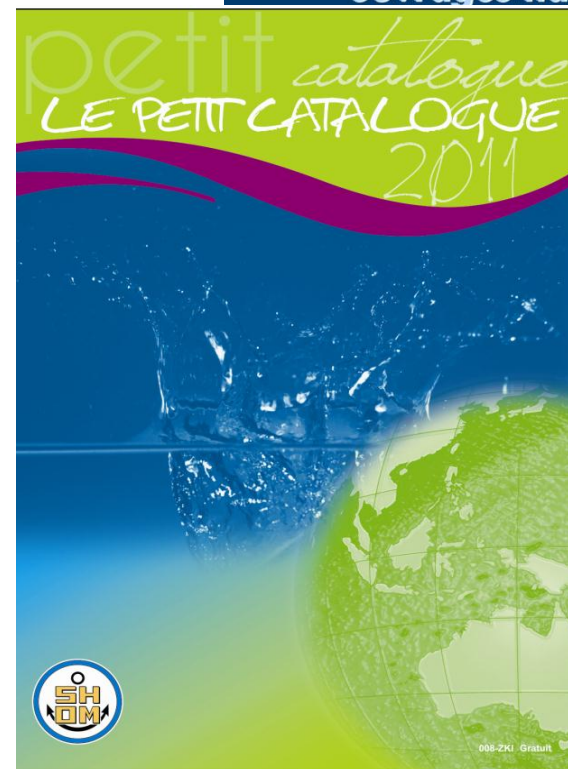


# SHOM in brief

- **525 staff**
- **Facilities**
  - Brest
  - Toulouse, Saint-Mandé, Toulon, Nouméa, Papeete
- **ISO 9001 : 2008 Quality management standard**

SHOM

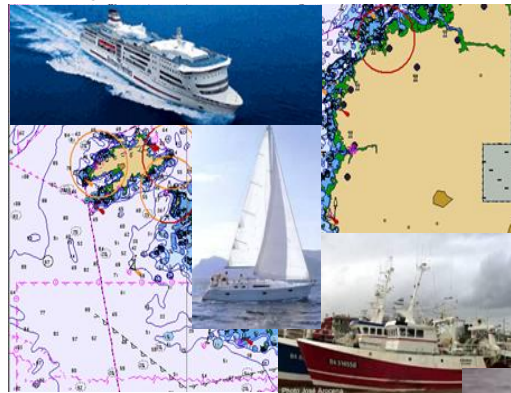
**CATALOGUE 2011**  
des  
**cartes marines**  
et des  
**ouvrages nautiques**



# Since May 2007 : SHOM is a Public Establishment

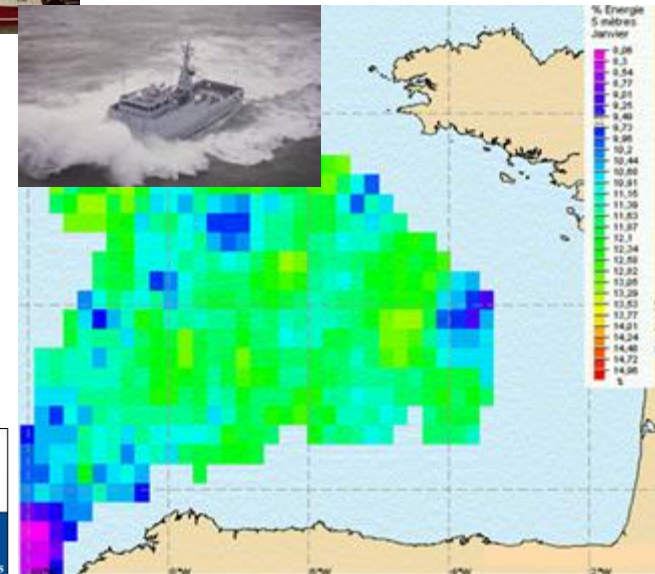
## ■ One vocation

- To ensure the quality and the availability of the physical maritime, coastal and ocean environment information, in order to meet public requirements (civilian and military).



## ■ Three main missions ...

- National Hydrographic Service,
- Defence Support,
- Support to maritime public policies.





# The hydro-oceanographic squadron



## Ocean Survey

*Beautemps-Beaupré* - 3 300 t

Co-financed by Defence (95%) & Research (5%)  
In-service date: December 2003



Coastal Survey  
*La Pérouse*  
*Borda*  
*Laplace*

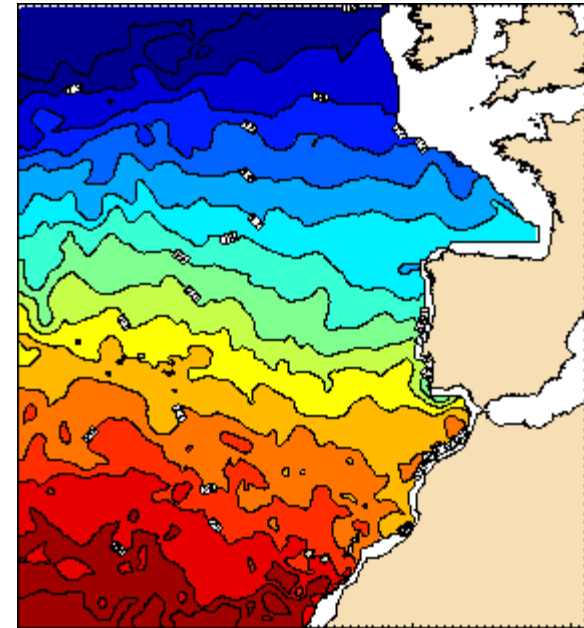
1 000 t  
In-service date:  
1988-1989



Ocean Research *Pourquoi pas?* - 6 600 t

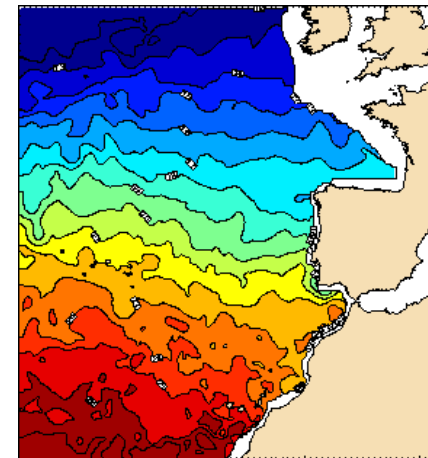
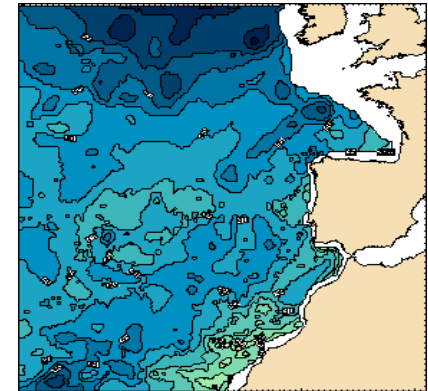
Co-financed by Research (55%) & Defence (45%)  
In-service date: September 2005

## SHOM OCEANOGRAPHIC DATABASE



## Activities of Coriolis Marine unit

- Collect in-situ measures,
- Quality control on profiles in delayed mode,
- Quality control : feed back towards ships,
- Database archiving,
- Database management,
- Providing data to users,
- Make products to meet users requirements.

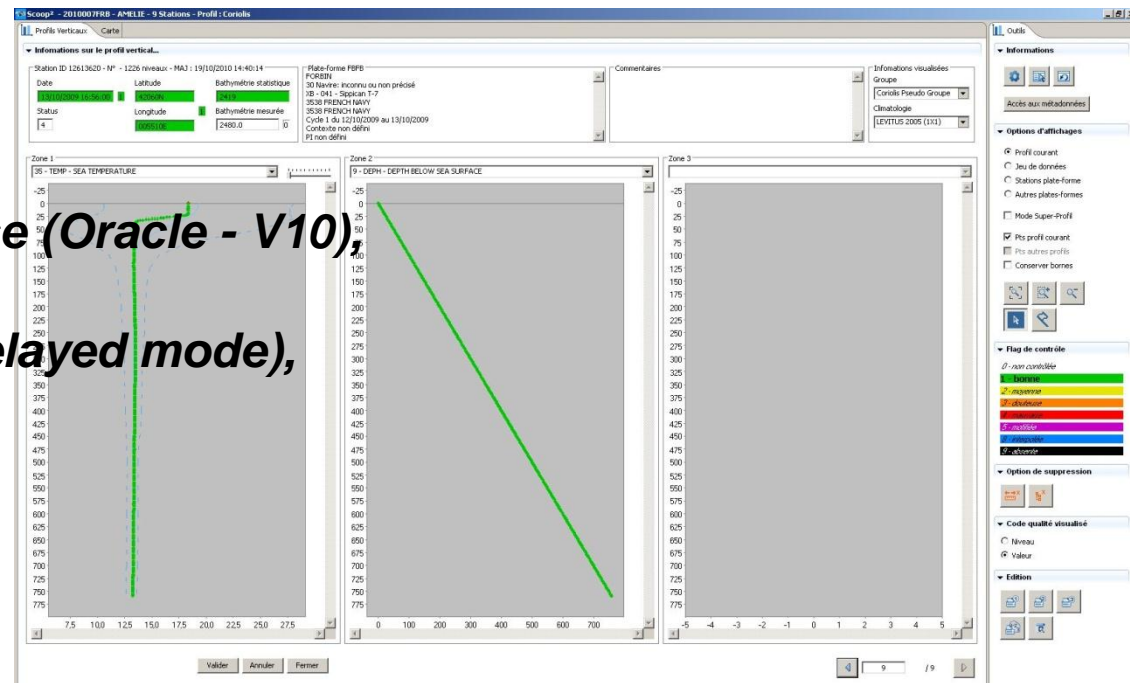


# Coriolis project between SHOM and Ifremer Marine unit

- Agreement SHOM/Ifremer in 2005

- Mains objectives :

- *Share a common database (Oracle - V10),*
- *Share data (in real and delayed mode),*
- *Use common tools.*



=> Access to an important database



## SHOM in Medatlas project - with Ifremer

- 1994-1997

- Objectives of the project :

- collection and validation of hydrological data,
- update of statistical climatology over the Mediterranean basin.

In this framework, the SHOM had :

- To collect and quality check bathythermographic data (MBT & XBT),
- Once the whole data be compiled, to compute a climatology product.

SHOM in « Défi Golfe de Gascogne » project  
hydrological data provided for this project

2 projects :

40 000 hydrological profiles already in SeaDataNet.



## - SEADATANET II : SHOM and French Navy's data

### Instrument family

SV	~ 7 000 profiles
MB	~ 182 000 profiles
XB	~ 192 500 profiles
CT	~ 16 500 profiles

~398 000 profiles



<http://www.shom.eu>

Thanks for your attention