

E-SURFMAR Report to DBCP

by

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and
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E-SURFMAR



Surface Marine Programme

- ✓ E-SURFMAR is an optional programme of the ground based EUMETNET Composite Observing System (EUCOS)



EUMETNET

The Network of European Meteorological Services

- ✓ EUMETNET is the Conference of European National Meteorological Services (24 WMO members in 2008)

Austria, Belgium, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Ireland, Latvia, Luxembourg, Netherlands, Norway, Portugal, Slovenia, Spain, Sweden, Switzerland, United Kingdom

17 out of them are participating in E-SURFMAR

- ✓ Météo-France is the EUMETNET member responsible for E-SURFMAR



E-SURFMAR Programme

Main Objectives



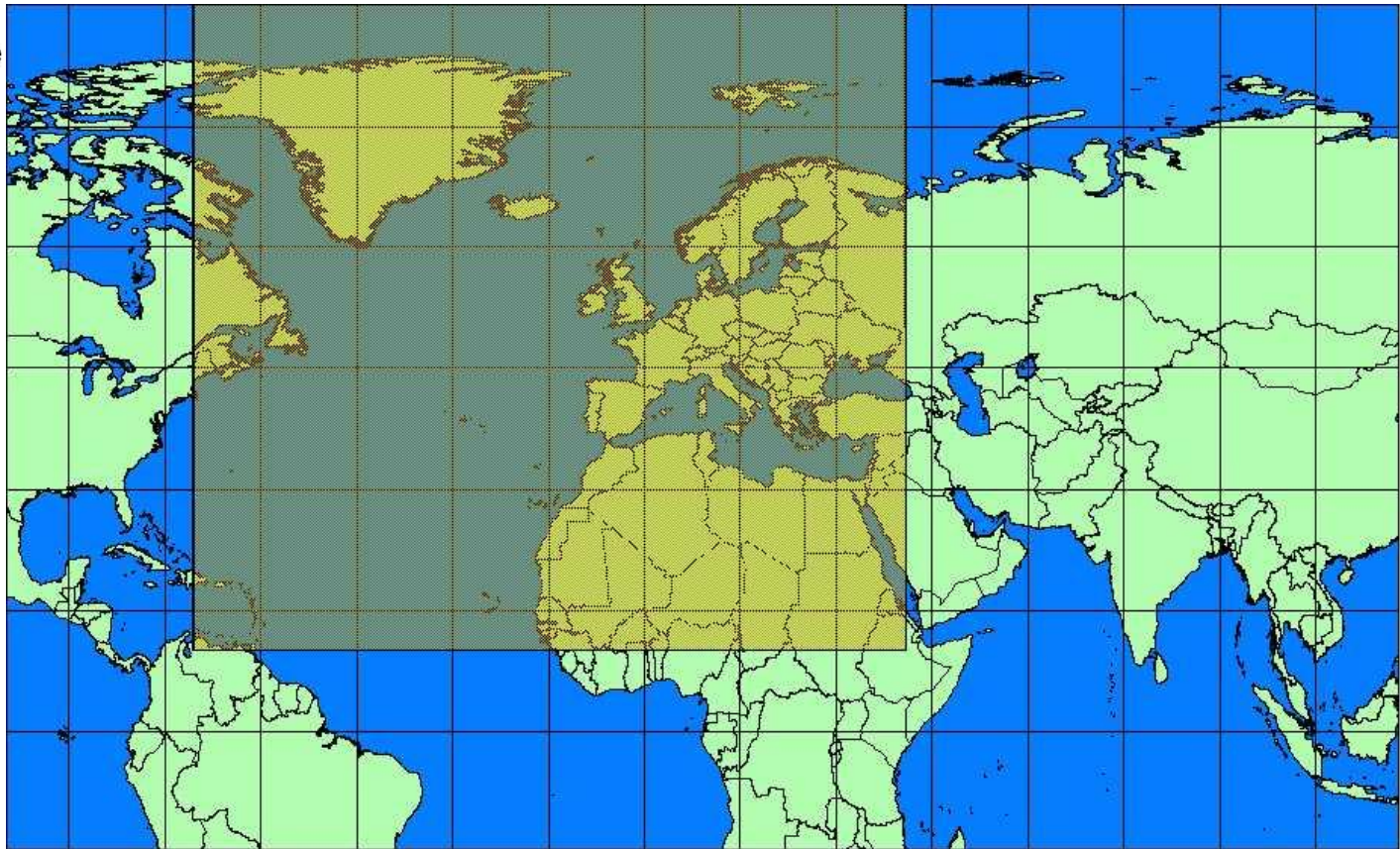
Surface Marine Programme

- ✓ Main EUCOS aim is to optimise the ground observing system to improve Numerical Weather Prediction (NWP) over Europe
- ✓ E-SURFMAR aim is to co-ordinate, optimise and progressively integrate the activities for surface marine observations from data buoys and ships

E-SURFMAR Area



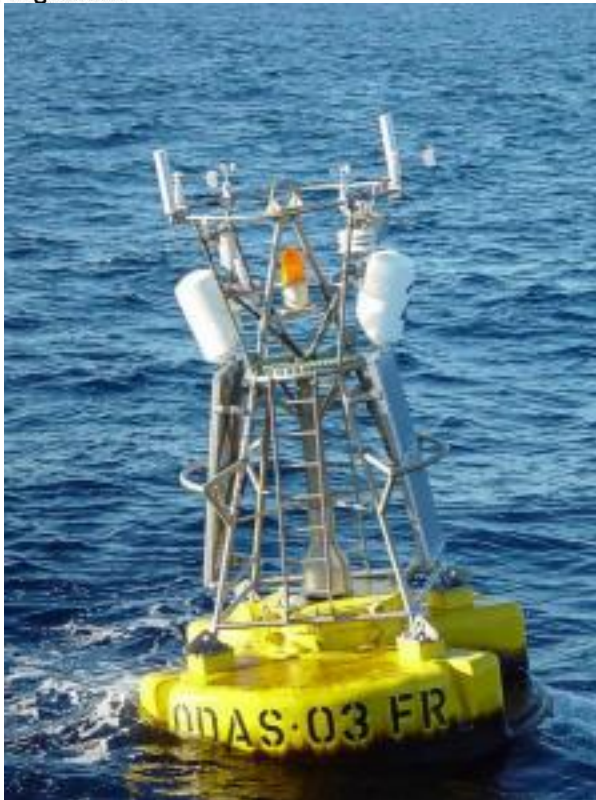
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DATA BUOYS



Surface Marine Programme



Data buoys management



Surface Marine Programme

- E-SURFMAR is responsible for the European meteorological data buoys

- A DB Programme Manager is appointed

- A DB Technical Advisory Group has been established

Meetings:

January (Geneva) and May 2005 (Hamburg)

June 2006 (Galway)

May 2007 (Larnaka)

May 2008 (Reykjavik)

May 2009 (Southampton)

- E-SURFMAR DB-TAG is an action group of the DBCP

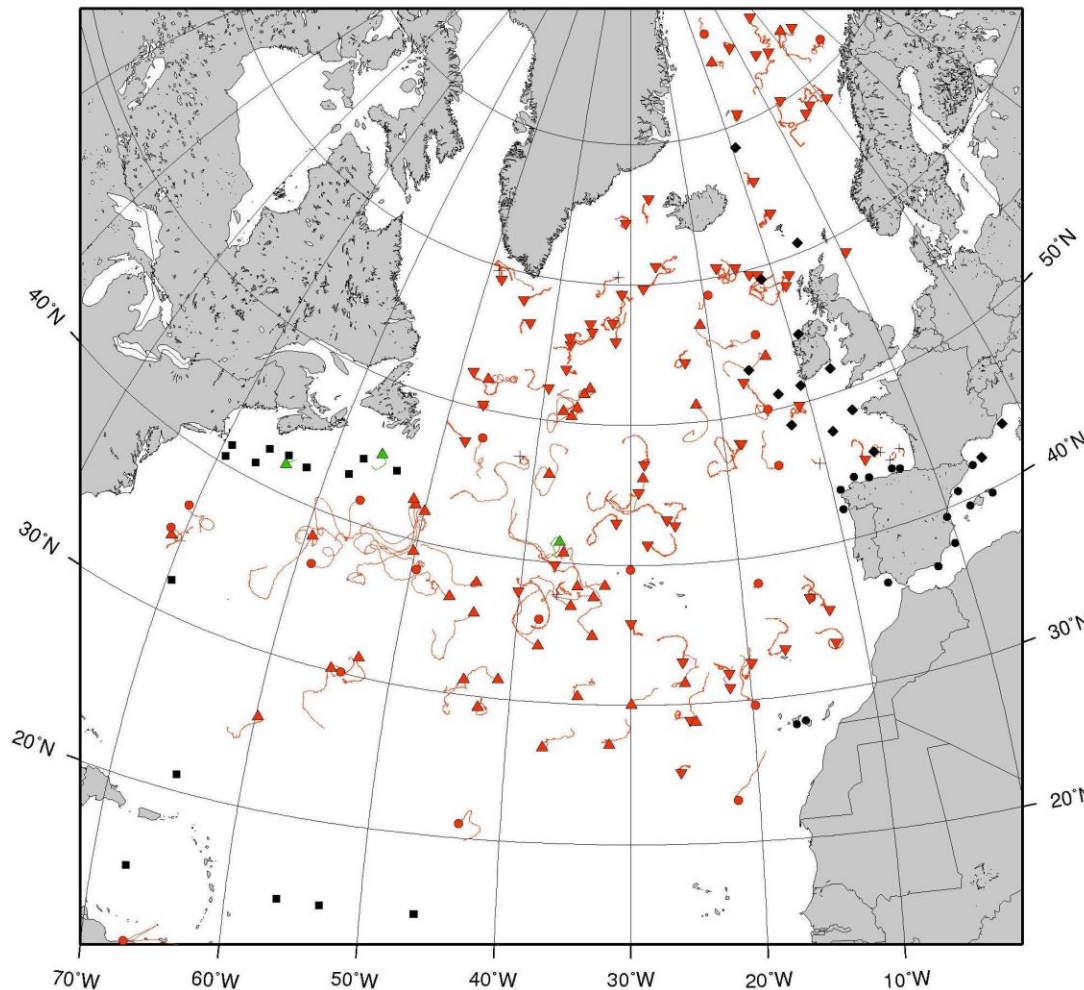


Network status



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June 2009

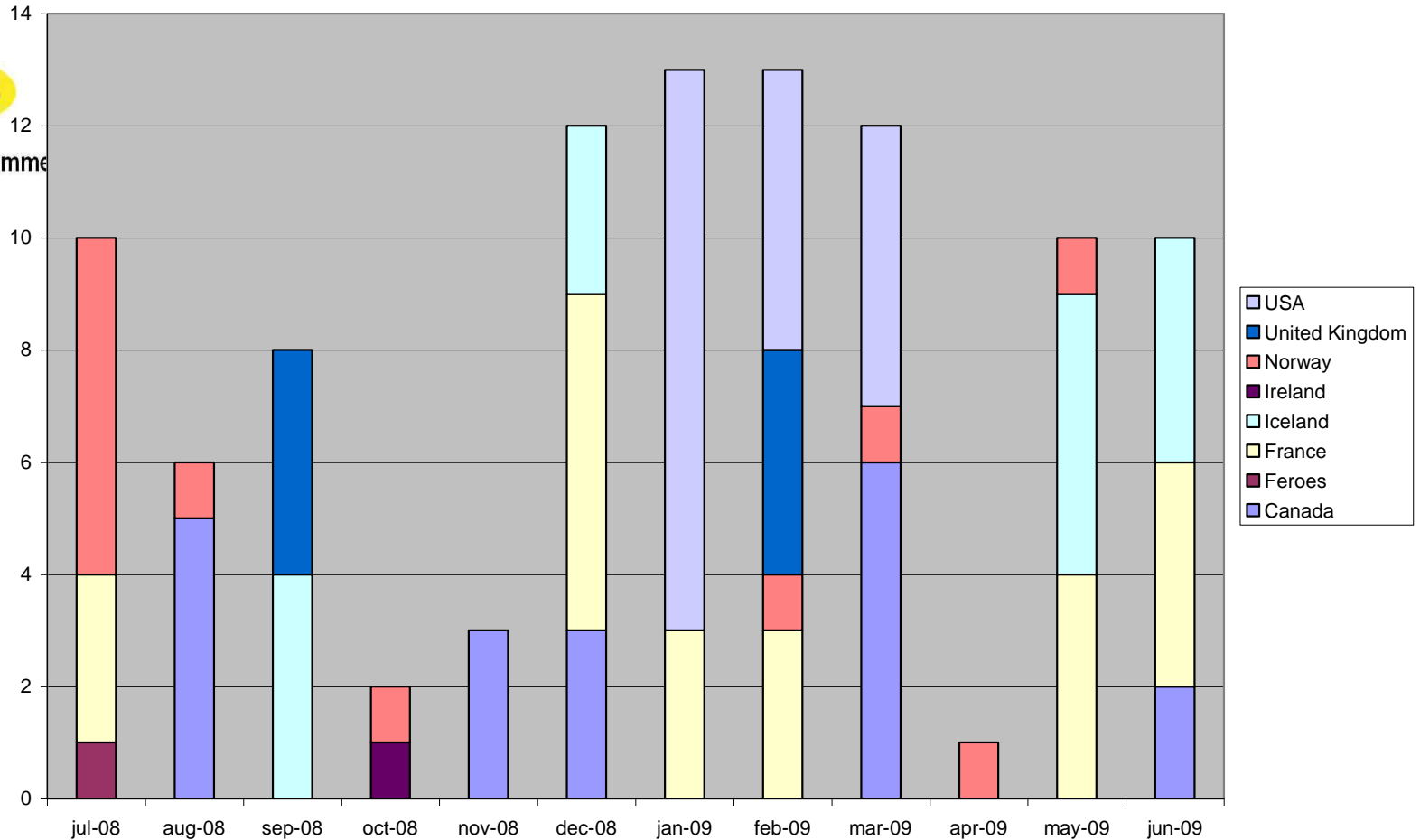


LEGEND

- △ EUCOS drifting buoys
- Other drifting buoys
- ▲ ● Air Pressure
- ▲ ● AP + Wind
- ◆ Other moored buoys
- Seawatch/Wavescan buoys
- Other moored buoys



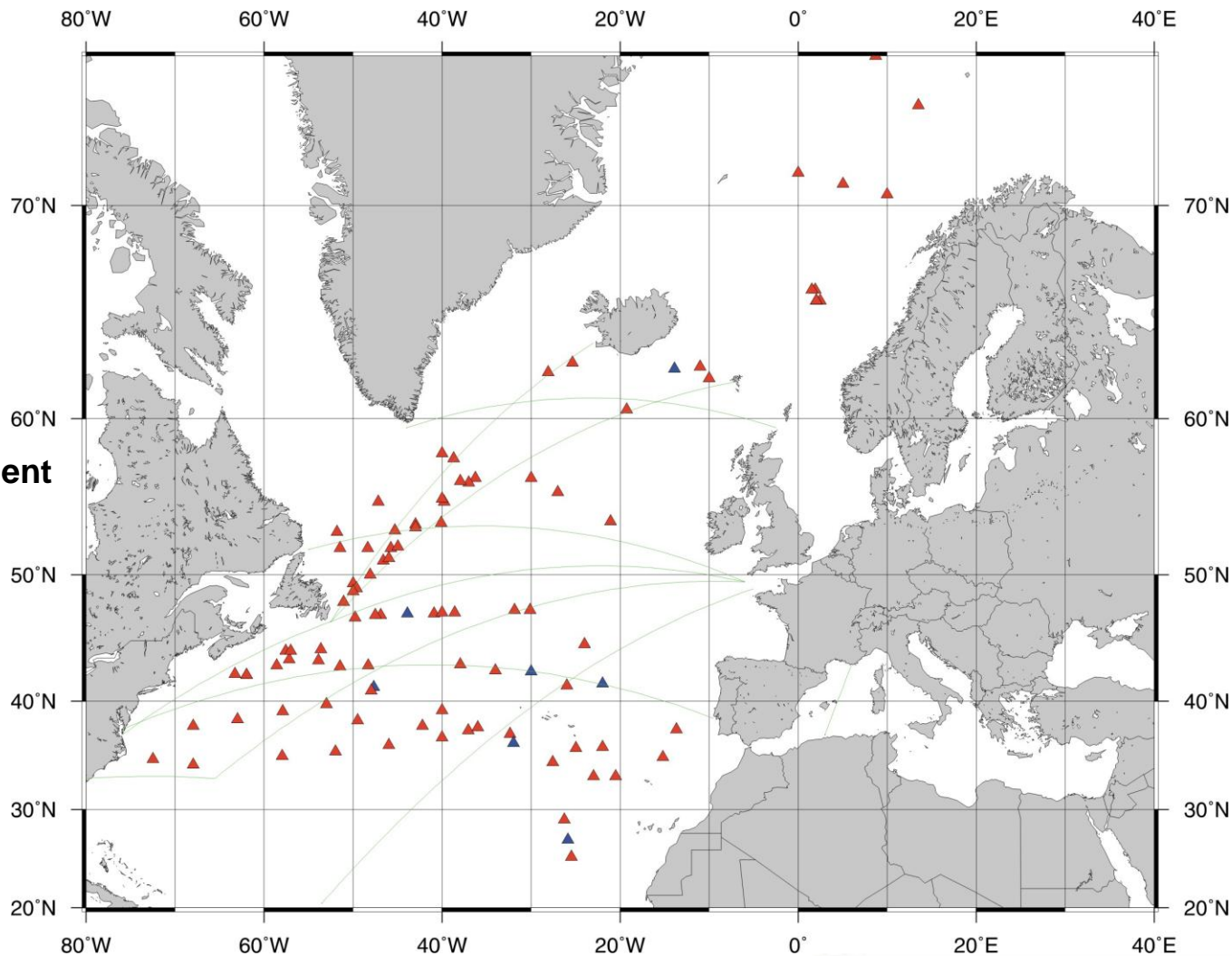
Drifting Buoys deployed (July08 – June09) (100 (20 upgrades – 65 Iridium))



Deployment locations



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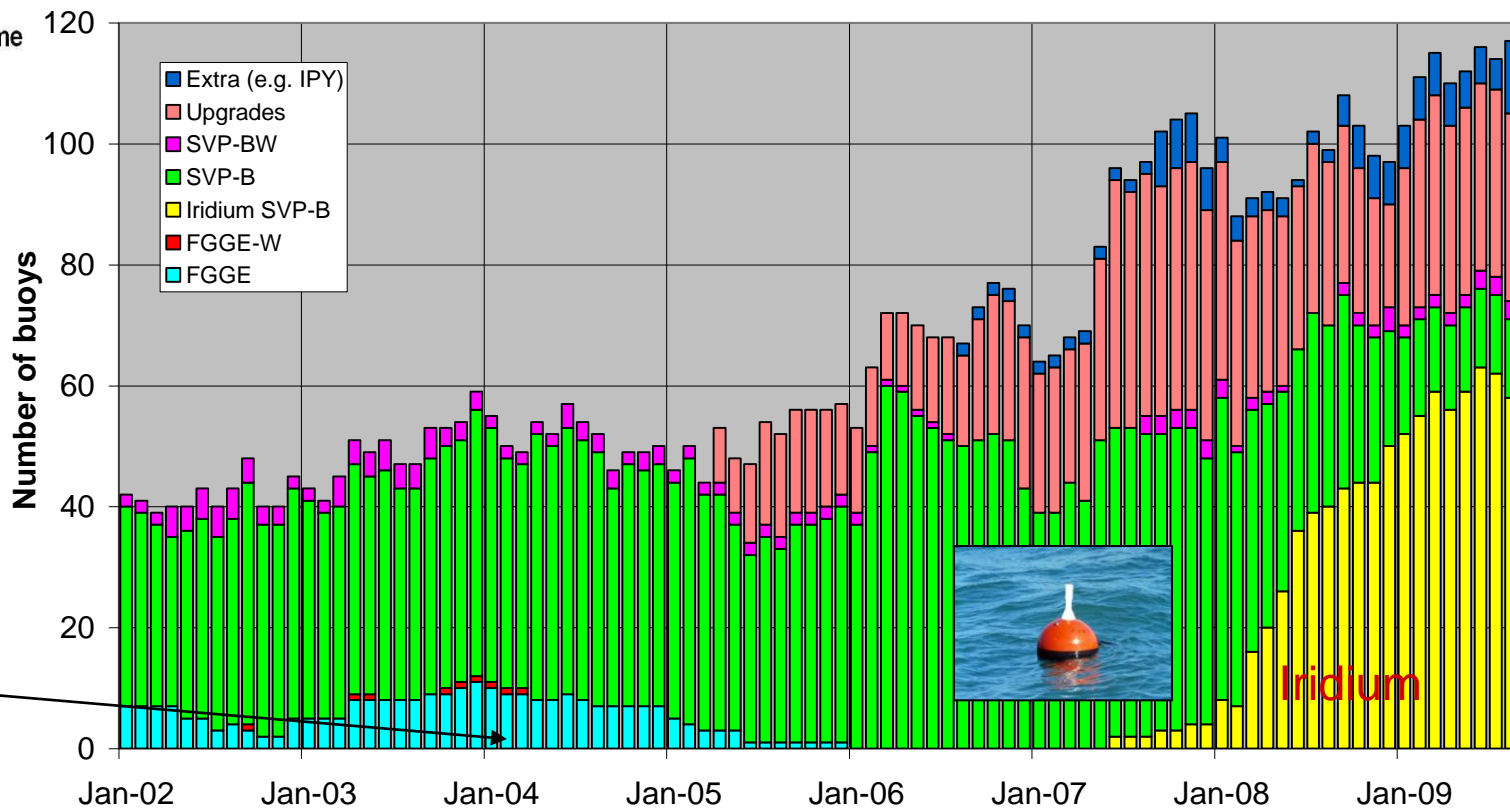


In blue: failed at deployment

Operating drifting buoys



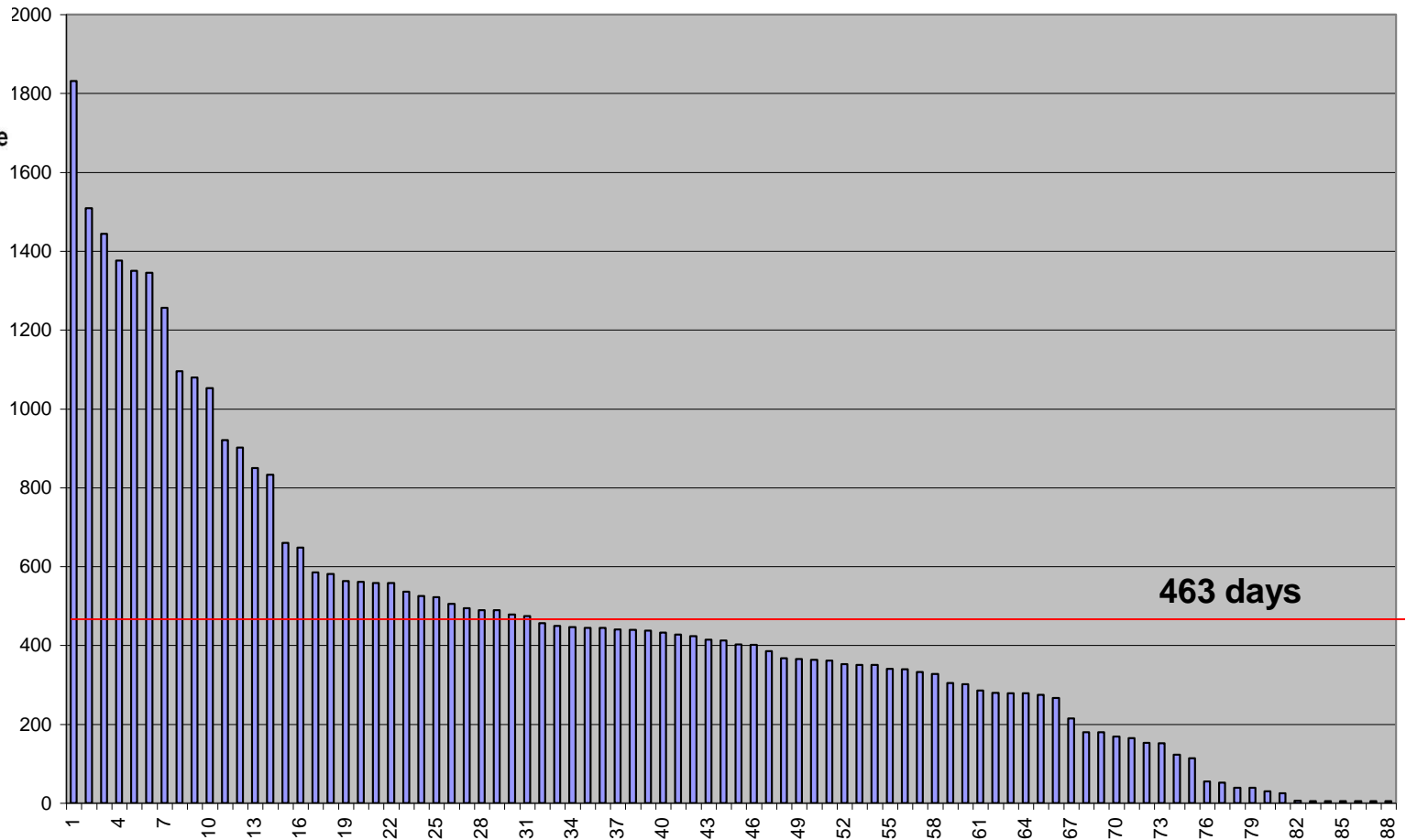
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Lifetime of buoys (AP) (88 buoys)

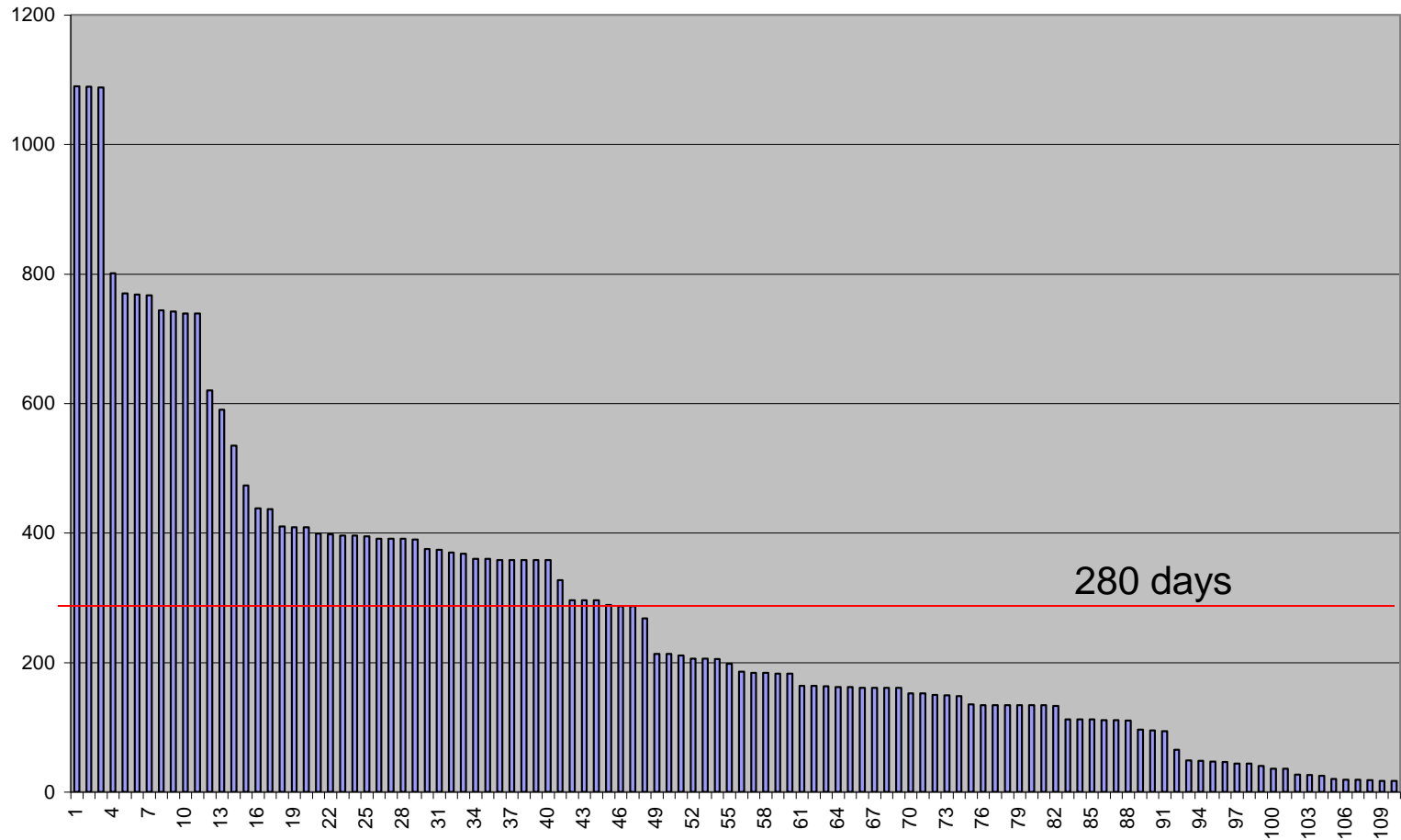


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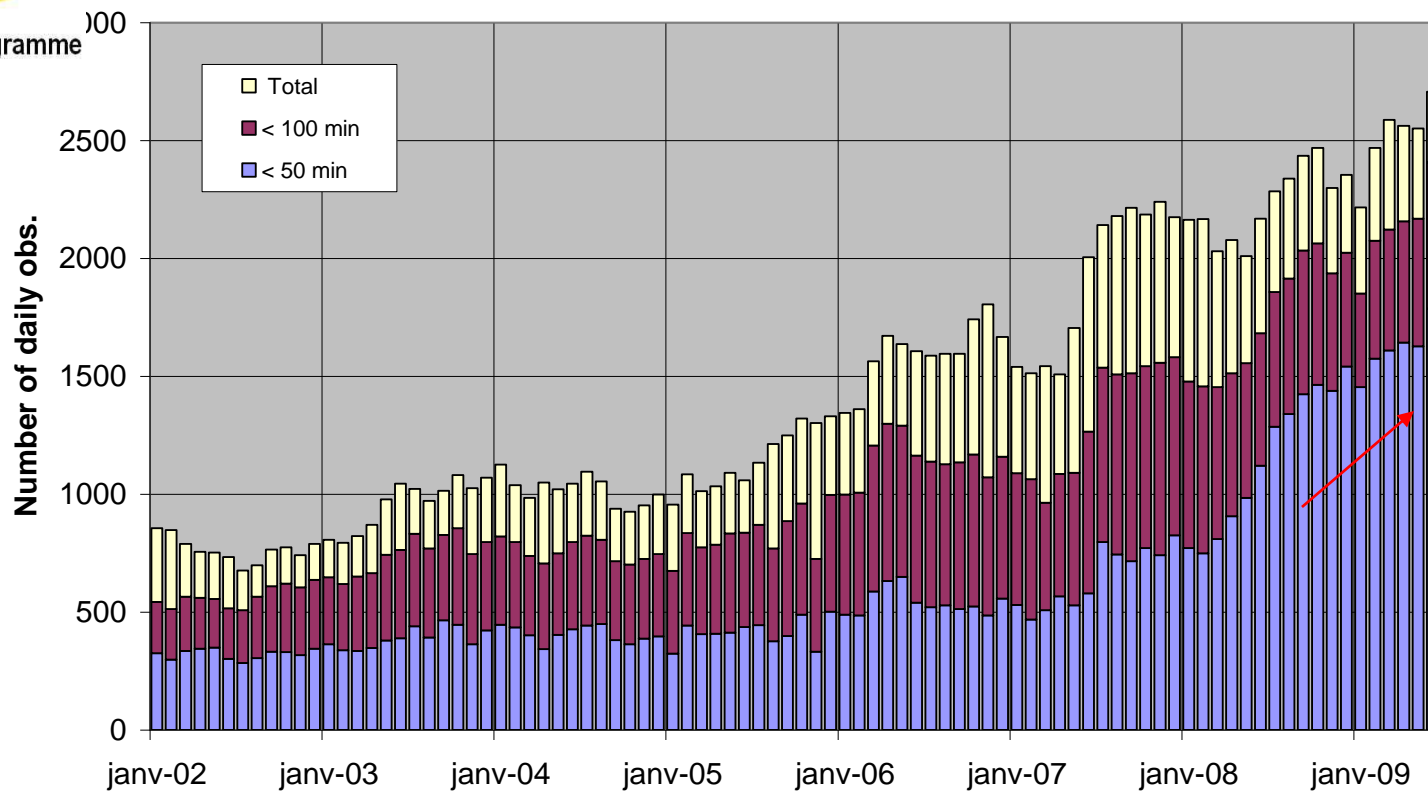
463 days

Age of the network (110 buoys)



DB Number of observations

EGOS then EUCOS drifting buoys - Data availability
Average number of hourly observations per day

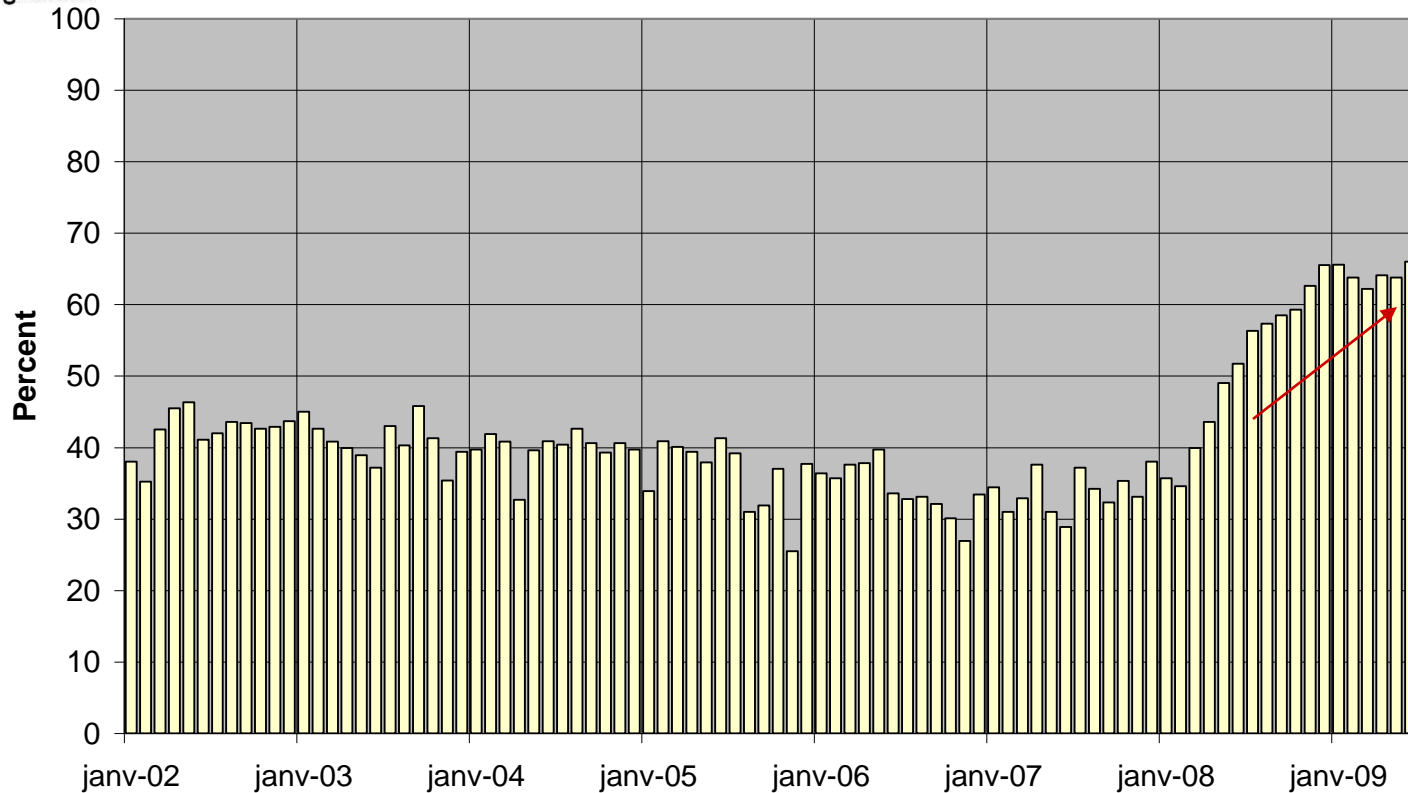


DB Data timeliness



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EGOS then EUCOS drifting buoys - Data availability
Percentage of data arrived within 50 minutes



Participation to IPY



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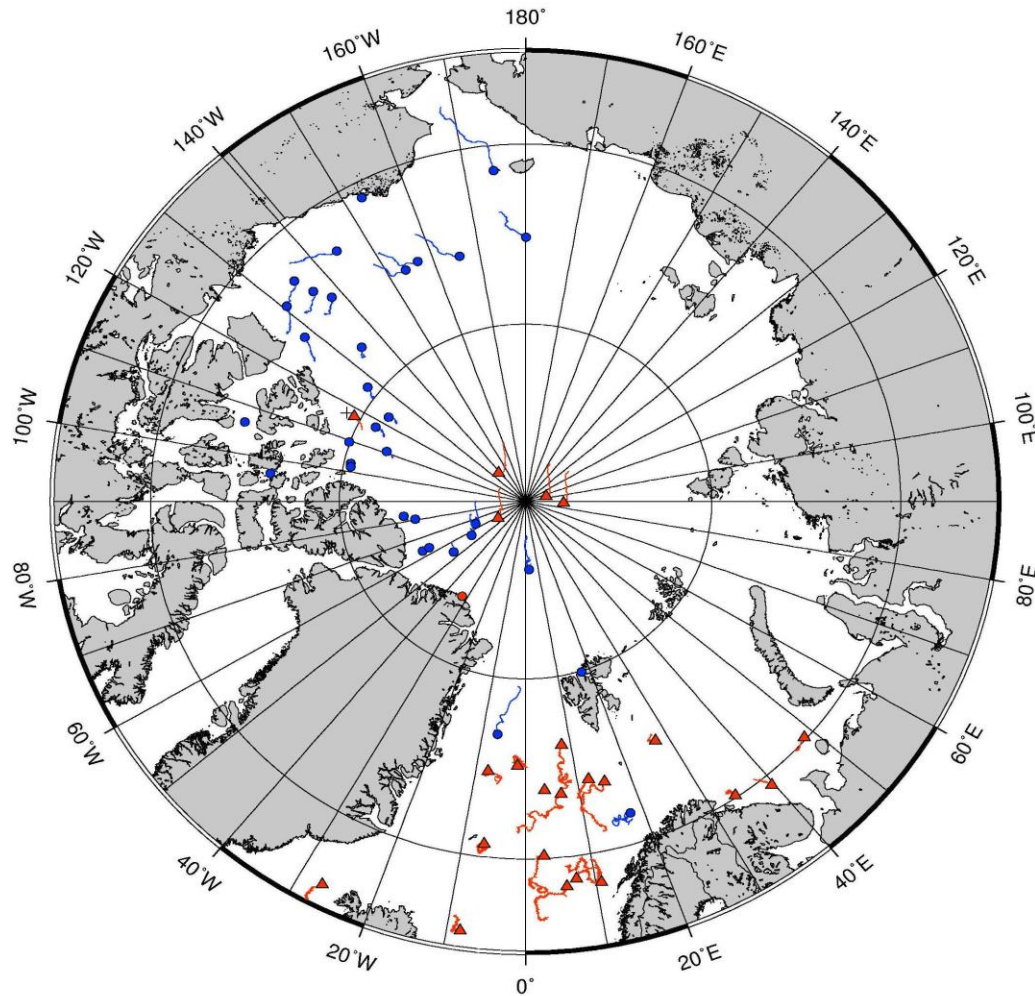
- Contribution through IABP
 - 2 IcesAir in 2006,
 - 3 ICEB buoys in 2007
 - 4 SVP-B (2 Argos – 2 Iridium) in 2007
 - 5 SVP-B (Argos) in 2008
 - 15 SVP-B (Argos) planned in 2009



IPY (June 2009 – GTS)



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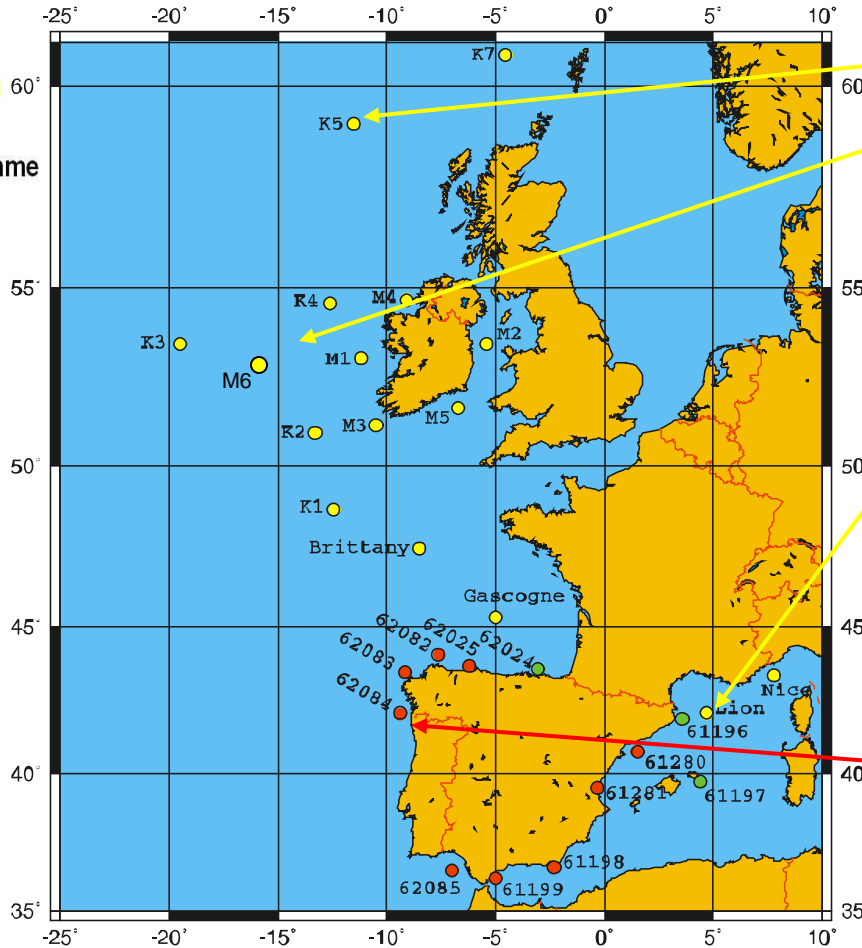


**Triangle =
ESURFMAR drifters**

Moored buoys

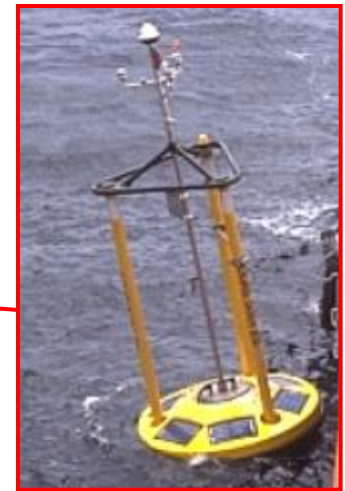


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GMT 2005 Jun 5 16:37:47 OMC - Martin Wehnelt

0 200 400 km



E-SURFMAR Moored buoys



Surface Marine Programme

WMO	Name	Type	Country	GTS reports
64045	K5	K-pattern	UK	FM-13 SHIP
62095	M6	K-pattern	Ireland	FM-13 SHIP
62084	Cabo Silleiro	SeaWatch	Spain	FM-96 BUFR
61002	Lion	K-pattern	France	FM-13 SHIP FM-65 WAVEOB

Day to day monitoring



Surface Marine Programme

<http://www.meteo.shom.fr/qctools/>

QC Tools - Wikisurf - Mozilla Firefox

QC Tools

The present page is a provisional re-direction of <http://www.meteo.shom.fr/qctools/>. It replaces the former QC Tools (data buoys) and VOS Monitoring web pages. It gives access to enhanced and new tools. The QCtools page will be soon re-designed (with explanations, etc...)

	Monthly Statistics	Blacklists	Data & QC plots	Others
Data Buys	Click here	Pressure (Global) Pressure (Surfmar) Drifters ashore	Click here	Nearest buoys Location on map
VOS Ships	Click here	Pressure (Global) Pressure (Surfmar) Wind (Surfmar)	Click here	Individual control panels Observation counters List of European AWS
Together			Click here	OSMC maps New: Density maps

E-SURFMAR Programme

Data Buoys Reporting



Surface Marine Programme

Monthly report

Annual report

Working area of the E-SURFMAR website based on mediawiki, every participants to the programme can easily collaborate on its content

<http://esurfmar.meteo.fr/>

A public website

<http://www.eucos.net>





METEO FRANCE

Toujours un temps d'avance