



Data products available at MyOcean

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*Responsible of service
definition & monitoring within MyOcean*

MY OCEAN

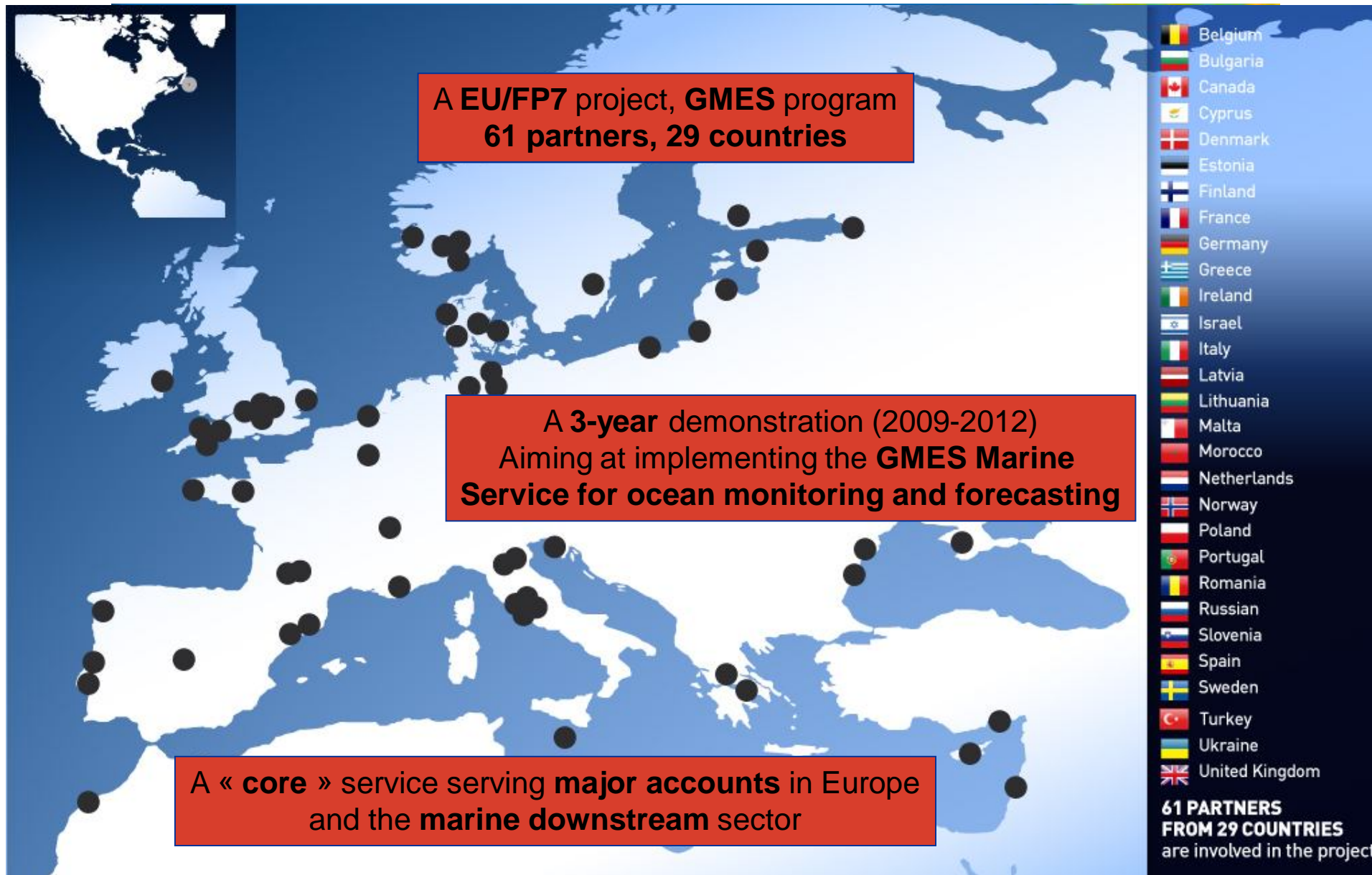
Marine
Core
Service

- 1. Overview of service within MyOcean**
- 2. Statistics on service**
- 3. Service offered to users**
 - products available
 - Data policy that applies

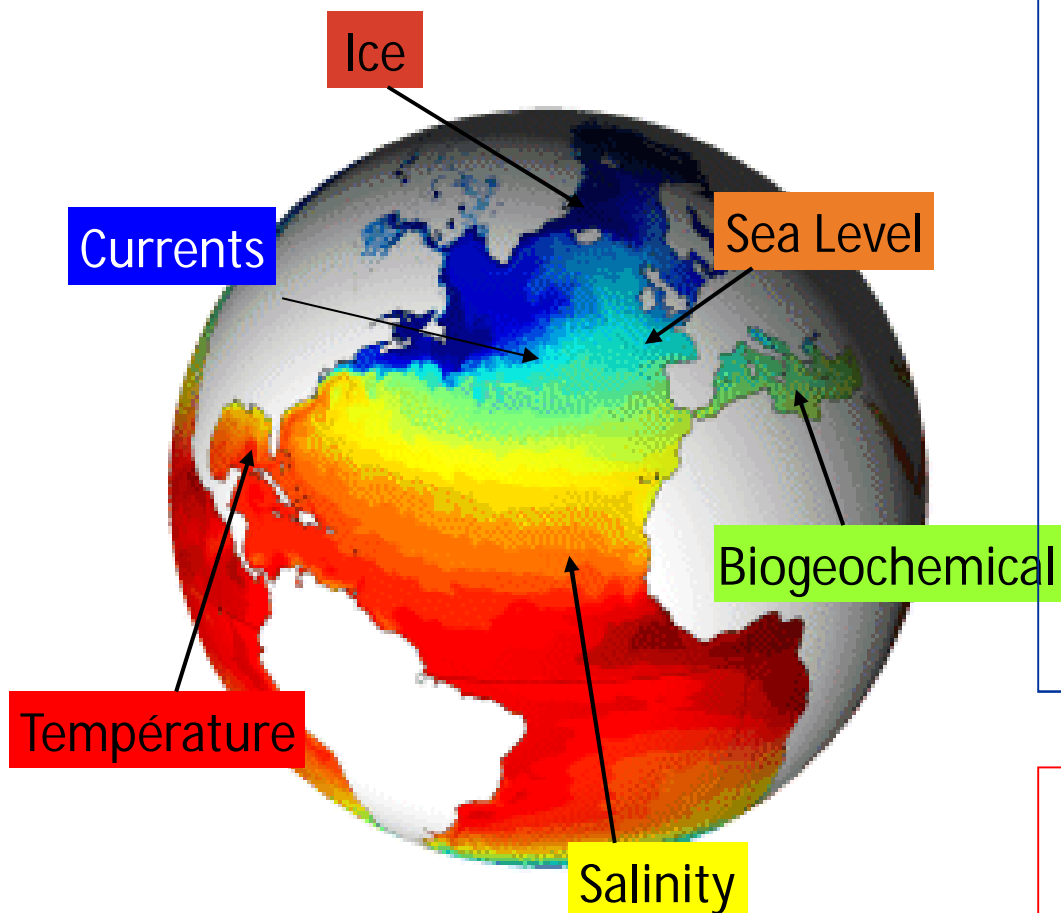
1. Overview of service within MyOcean

- 1st April 2009 : MyOcean project started
- Nov 2009 : service V0 proposed to users
- Dec 2010 : service V1
- July 2011 : update of service V1
- January 2012 : service V2
- 30th March 2012: end of MyOcean1
- 1st April 2012: beginning of MyOcean 2
 - will last 30 months
 - Objective : to have then a **sustainable** service
- January 2013 : service V3 planned





Products



- Currents,
- Temperature,
- Salinity,
- Sea Level,
- Ice,
- Biogeochemistry

- Anywhere (regional, & global scales)
- At any time (past, present, future)
- Real time & long time period

A 3D and dynamic
vision of the ocean –modelling, observations

5 Thematic Assembly Centres (observations)

7 Monitoring and Forecasting Centres

TAC

- Sea Level
- Ocean Color
- Sea Surface Temp.
- Sea Ice & Wind
- In Situ

MFC

- Global Ocean
- Arctic Ocean
- Baltic Sea
- Atlantic NWS
- Atlantic IBI
- Mediterranean Sea
- Black Sea

Service Provision



Users





1. Overview of service within MyOcean

Marine Core Service

- 1st April 2009 : MyOcean project started

Objective : to ensure a service of oceanographic products to users

13 productions centers
Around 50 diffusion centers
To build 1 common service

The myocean web site



OCEAN MONITORING AND FORECASTING

Providing Products and Services for all marine applications:
Safety, Resources, Environment and Climate.

▶ CONTACT US

▶ ABOUT US

NEWS & EVENTS

MyOcean Science Days 2010



MyOcean Science Days, the first European Colloquium on the scientific challenges facing the GMES Marine Service, took place in Toulouse (France) at the Météo France International Conference Centre on December 1st and 2nd, 2010.


» more



MARINE SAFETY

MyOcean contributes to safe activities at Sea and to oil spill combats (...)

» PRODUCTS & SERVICES



MARINE RESOURCES

MyOcean contributes to the protection and the sustainable management of living marine resources(...)

» PRODUCTS & SERVICES



COASTAL & MARINE ENVIRONMENT

MyOcean offers a monitoring service at European and National Level (...)

» PRODUCTS & SERVICES



WEATHER, CLIMATE & SEASONAL FORECASTING

MyOcean delivers reliable data to European and National meteorological services (...)

» PRODUCTS & SERVICES

Education

Come and discover how MyOcean monitors and forecasts oceans.

» OBSERVATION

» MODELLING

» OCEAN PARAMETERS

Press/Edition corner

» ALL CORNERS

FOCUS ON

Operational oceanography, a state-of-the-art contribution to oil spill management & mitigation



Monitoring and forecasting the physical state of the oceans (such as temperature, salinity, ice coverage, sea level and currents in particular) serve many marine applications, and are particularly useful in the case of some of the worst types of maritime pollution.

» Learn more

IMAGE OF THE MONTH

Crossing Gibraltar Strait



Gibraltar Strait is of major importance, oceanographically, strategically... It is where colder Atlantic Ocean waters enter the warmer Mediterranean Sea. A map of Sea Surface Temperature (SST) illustrates the wealth of marine features visible in this area.

» Learn more

Site map | All rights reserved | FAQ

1. Overview of service within MyOcean

Marine Core Service

Nov 2009 : service V0 proposed to users

- 1st version of catalogue with ~130 products
- Products available from diffusion centers
- Products need be asked by user to service desk (as their access differ from one another)
- *A unique registration to all products*

The MyOcean Catalogue

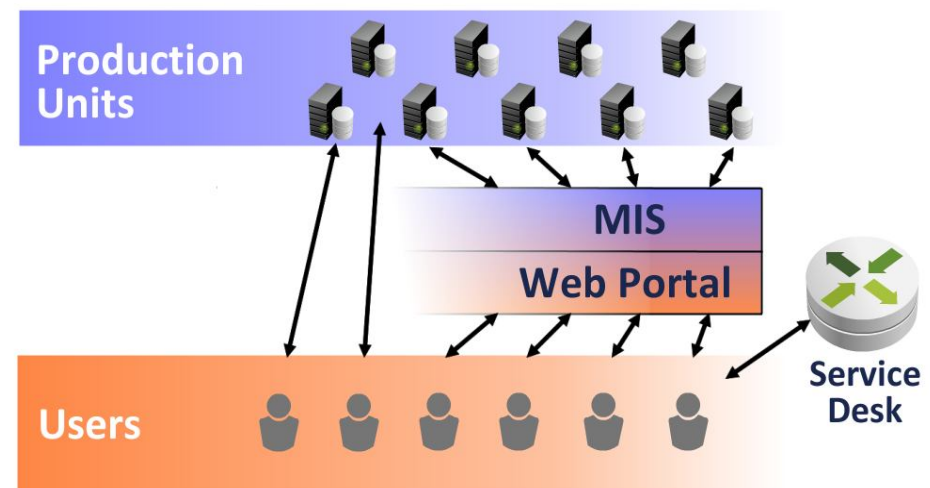
<http://www.myocean.eu/web/24-catalogue.php>



1. Overview of service within MyOcean

December 2010: Service V1 proposed to users

- A big change: 75% of products available via the MyOcean information system (based on thredds/opendap, motu techniques)
- This means: only 1 access for several products
- User can choose him/herself which products he/she wants to download by searching the catalogue



December 16th

The main point in MyOcean 1 : to build the MIS to have an integrated service



1. Overview of service within MyOcean

Marine Core Service

- Still products available from several diffusion centers that need be asked by the user to service desk
- 2nd version of catalogue with nearly 200 products
- *A unique registration to all products*
- *Online information of products updated every day*

1. Overview of service within MyOcean

Marine Core Service

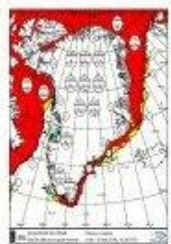
July 2011 : update of V1 service

- More products, 85%, are available via the MyOcean information system
- Few remaining products need be asked to the service desk, indication is done on web
- 3rd version of catalogue with ~200 products
- *Registration simplified (shortened)*
- *Navigation on web improved*

1. Overview of service within MyOcean

Marine Core Service

MYOCEAN INTERACTIVE CATALOGUE



Arctic Ocean- Greenland - Sea Ice Charts

Metadata provided by MYOCEAN

 DATA ACCESS

January 2012 : service V2

Informations

Documentation

Product identifier:

SEAICE_ARC_SEAICE_L4_NRT_OBSERVATIONS_011_003

Overview:

For Greenland waters - The operational sea ice service at DMI provides ice charts of the sea ice area around Greenland. Charts are produced at irregular intervals and show the ice concentration in World Meteorological Organization (WMO) defined ice concentration intervals.

Full overview...

Variables:

sea_ice_area_fraction

Geographical coverage:



- All products available via the MyOcean information system, through the online catalogue
 - Except the in situ products (non gridded products)
- Possibility to download a subset of products or the whole product
- 4th version of catalogue with ~240 products



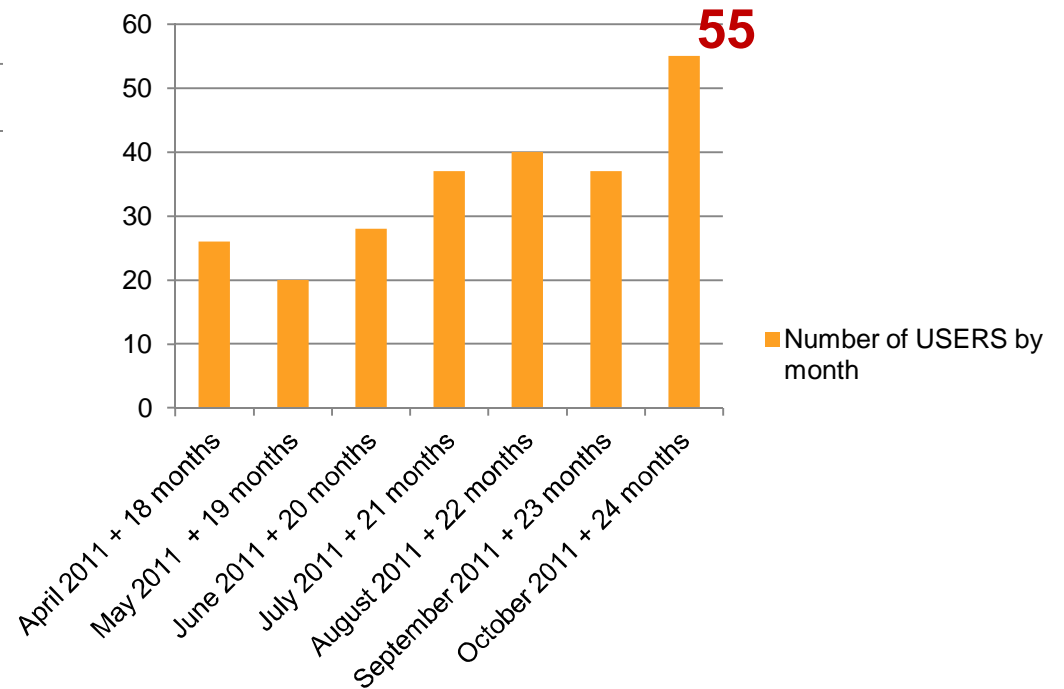
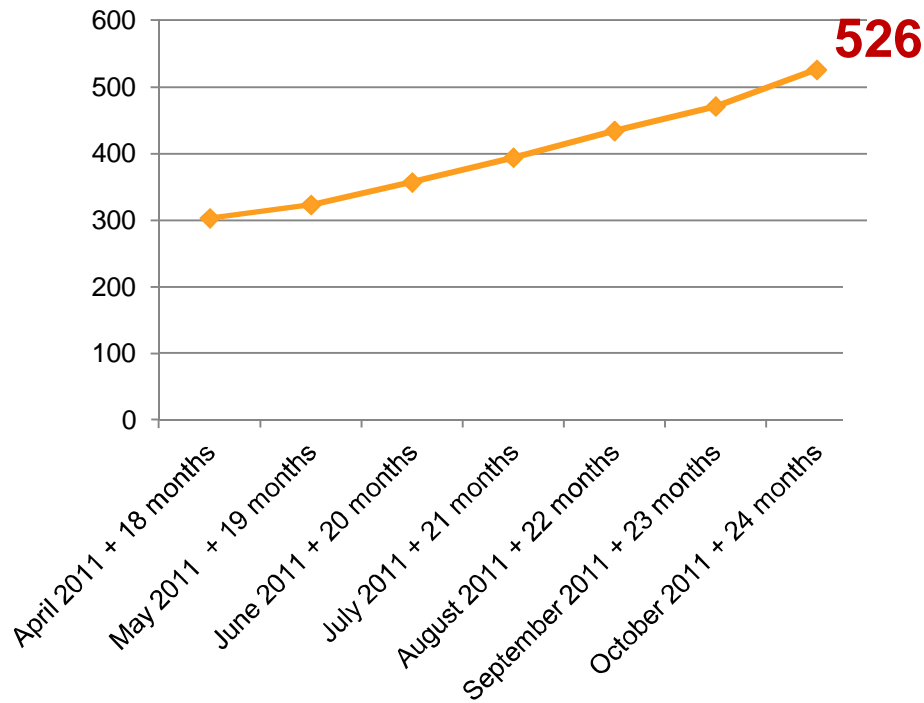
1. Overview of service within MyOcean

Marine Core Service

- *Registration will be online*
- *Update of the web site*
- *Some viewing of products*
- *Some information on quality of products*

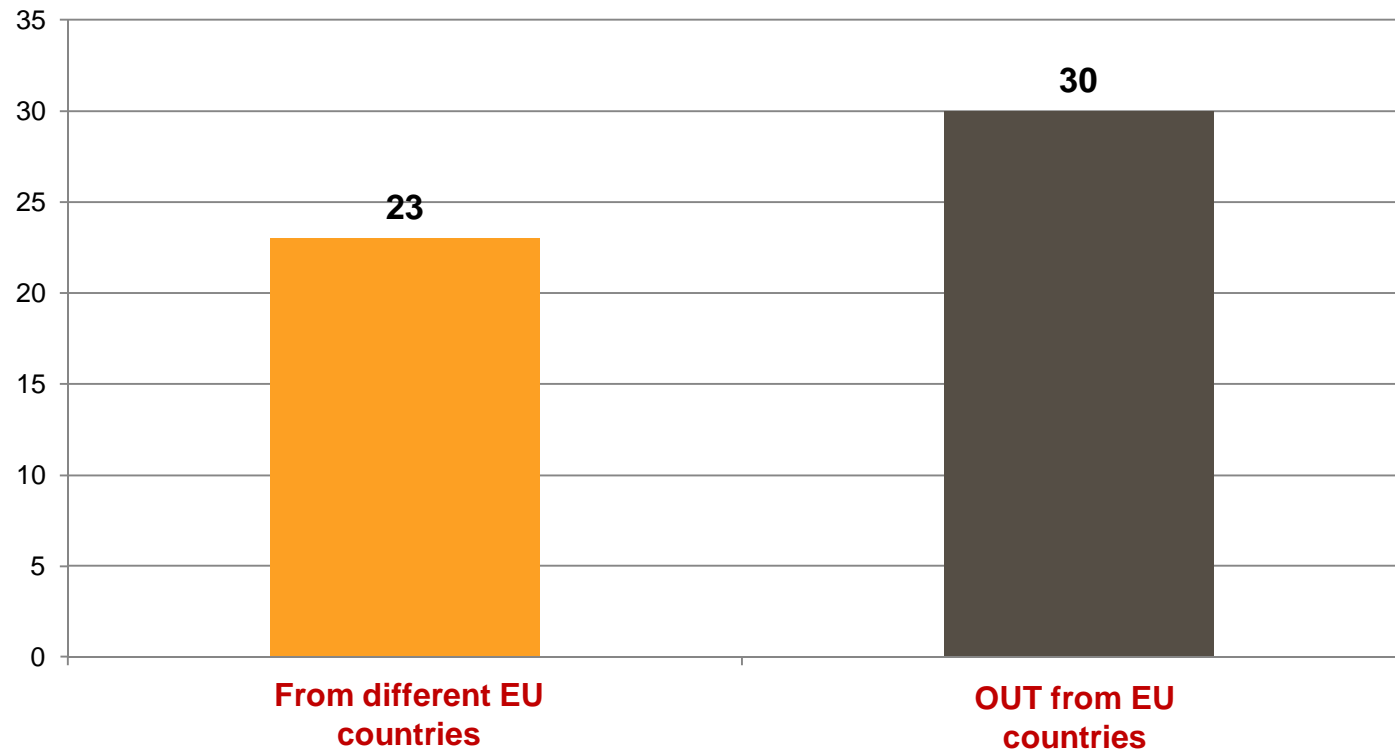
2. Statistics on users

Total number of USERS



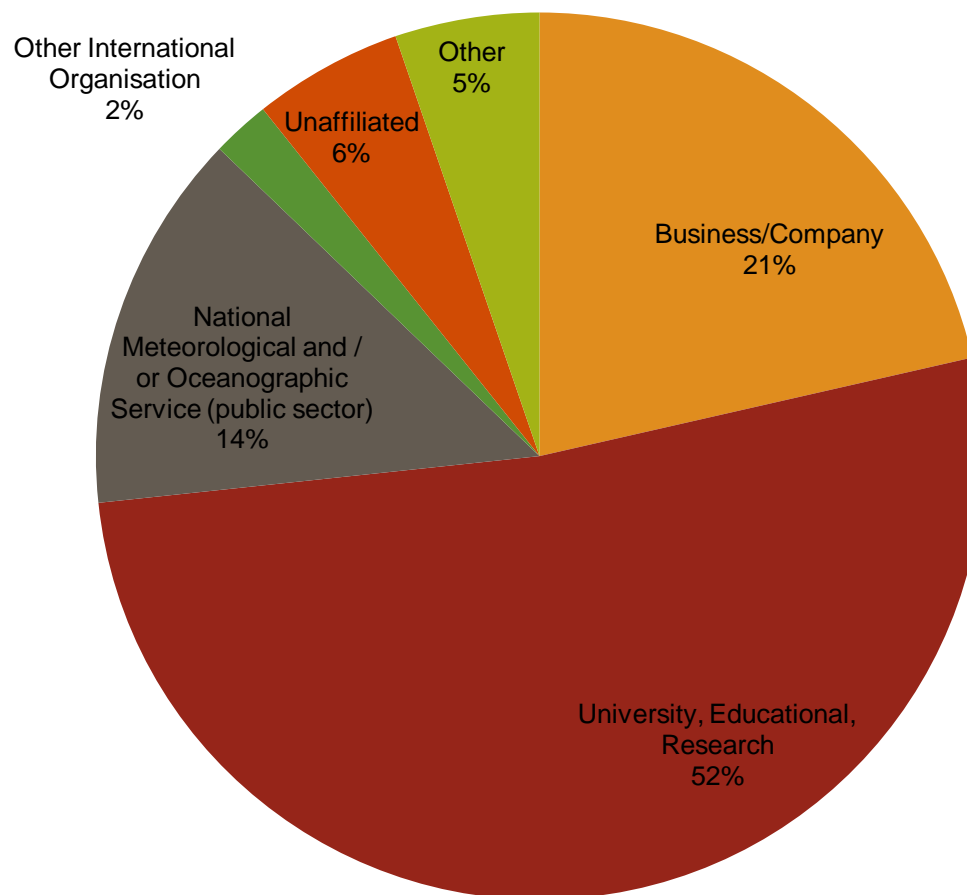
2. Statistics on users

Where are the users from ?



2. Statistics on users

users by type of organisation





Jean-Luc Nelias
Navigator (Camas team)
Groupama
Preparing the next Volvo race

One of our users



2. Statistics on users

Areas of benefit



3. Service offered to users

Marine Core Service

- Mainly **products**

More than 200 ones

- Regional European seas and global ocean products
- From modelling&assimilation systems and from observations
- Physical variables : T, S, (u,v), ssh, ice, observed wind
- Biological variables
- In RT/NRT, hindcast, reanalysis, long time series

- Available through a **unique catalogue**

- **Information on products** (their content, how to use them ...)

- News on products under the « **news flash!** » tab (RSS flux)

3. Service offered to users

- A **FAQs** sections
- A human organisation, the **service desk**, to answer all the users' requests or to forward (and manage) the request to a MyOcean expert
- From January 2012, a tab with **links to scientific publications**
- **Subsetting of products** possible (area, depth, variables, time)
- **Online download** by « clicking » on product or by using scripts (in Python)

3. Service offered to users

- To download the products, **registration** is needed
 - Available from the web site, form takes **3 mn** to be filled with some information regarding users and his/her intention to use products
- 1 registration per person. Within a project as Sangoma, this means as many registrations as people wanting products**
 - registration form (SLA) sent to service desk that will deliver access codes **within 3 days**
- Access codes allow the user to download any product or to select any part of product he wants
(exception: the in situ products for which user needs to ask ftp access to service desk still)

3. Service offered to users

Marine Core Service

Data policy

- Open access with registration for downloading
- Products are free
- Use of MyOcean products : for any application – **except re-distribution** and the user will be **asked for some feedback** (2 main constraints from MyOcean licence) *–to be read carefully, of course!*

3. Service offered to users

- If user opts in when he receives access codes from the service desk, he/she will receive all notice of incidents
 - This information can be found on web « news flash! »
 - User can also subscribe to RSS flux
- Any request (with no answer on web) can be sent to the service desk servicedeak@myocean.eu.org

Do not hesitate to send us your opinion about products (format, ease to access them, types ...), this will help us to improve the service