



Sextant

French Spatial Data Infrastructure for Marine Environments



IMDIS 2013

Session 3 – Data Services in ocean science

Lucca (Italia), September 23-25, 2013

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Sextant Web portal

➤ Sextant web portal interface

➤ <http://www.ifremer.fr/sextant>

➤ Objectives

- Manage and share geographical marine information data sets, in order to support marine studies and decision making
- Make available vector and raster spatial data produced by Ifremer and its partners
- Web GIS providing discovery, viewing and download online services
- Designed according to the European INSPIRE directive for interoperability and according to the OGC and ISO TC 211 standards





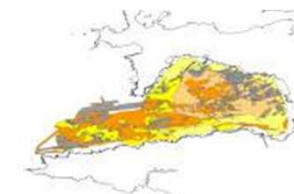
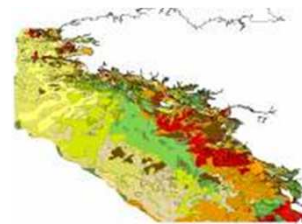
Multi thematic data holdings

Sextant: the French marine spatial data infrastructure

➤ Agregated and finalised data products

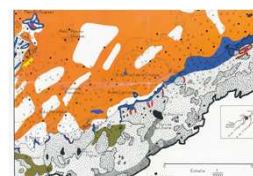
➤ Environment

- Water quality (coastal networks)
- Marine habitats
- Aquaculture



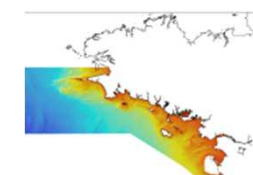
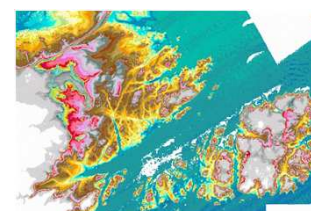
➤ Halieutics

- Fishing activities
- Resources
- Economical aspects



➤ Geoscience

- Bathymetry
- Sedimentology
- Acoustic imagery (sonar)



➤ Ocean physics

- Hydrodynamics (temperature, salinity, currents)

➤ Historic data

- Archive photos and historic habitats maps





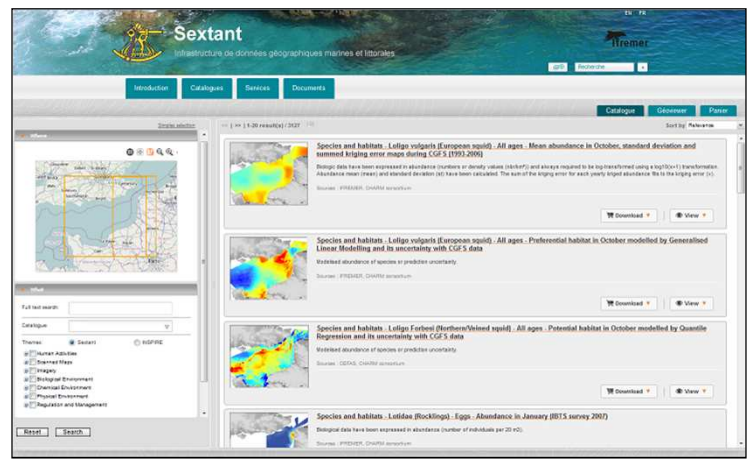
Sextant : the web services functions

Sextant: the French marine spatial data infrastructure

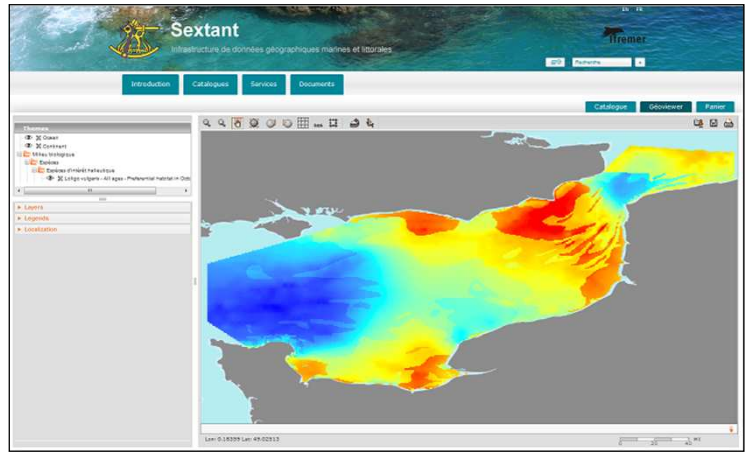
From the editorial page, you can access the main functions of Sextant



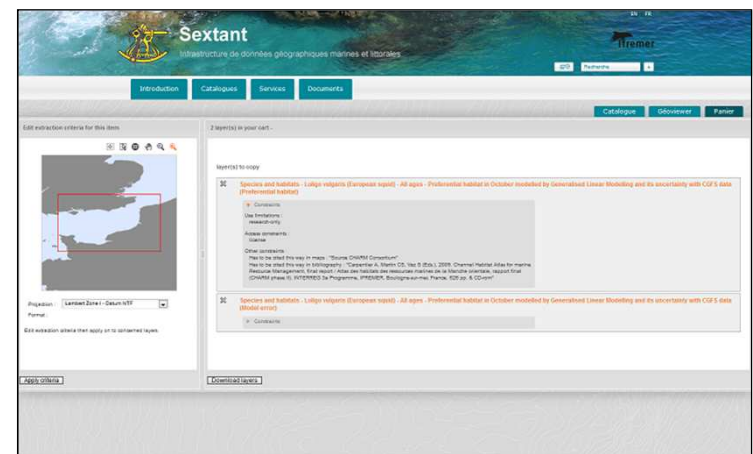
Discovery Services The Metadata Catalogue



View Services The Geoviewer



Download Services The Basket





Sextant : the metadata catalogue

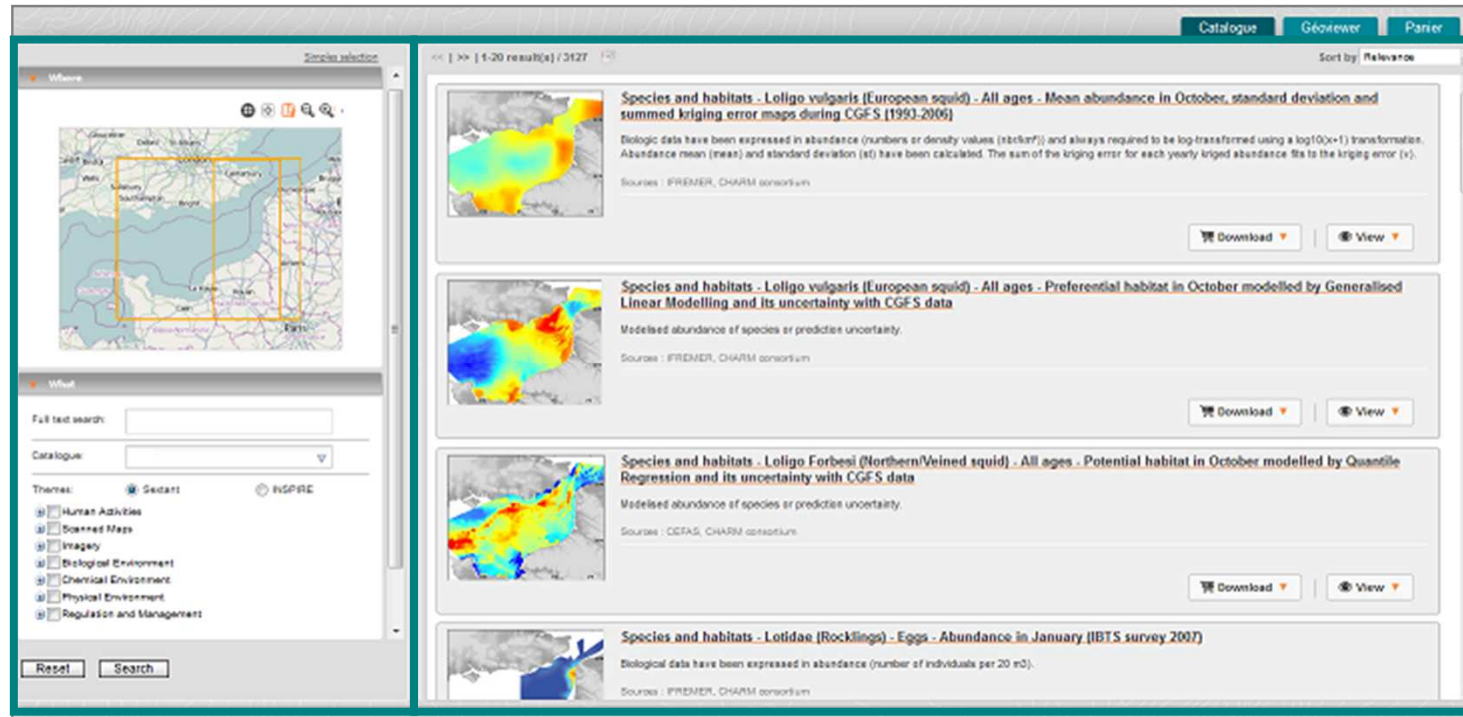
- Sextant is organised into thematic catalogues:
 - They bring together data sets related to scientist departments, or projects, or geographical areas
 - One metadata can be associated to many catalogues
 - Each catalogue can have its own CSW address
- The thematic catalogues warrant:
 - A users rights management associated to the data
 - A secured distribution of the information
 - And give the choice of a website to present the associated project



Sextant : the metadata catalogue



➤ Catalogue user's interface



Criteria of search

Results page

- More than 3000 public metadata on-line describing more than 5000 geographical information layers





Sextant : the metadata catalogue

Sextant: the French marine spatial data infrastructure

Simple selection

Where

What

Full text search:

Catalogue:

Themes: Sextant INSPIRE

Human Activities
 Scanned Maps
 Imagery
 Biological Environment
 Chemical Environment
 Physical Environment
 Regulation and Management

Who

Companies:

When

Begin date:

End date:

Reset Search

- You can choose many different criteria to search a metadata
 - **Where** : to search a metadata according to its localization





Sextant : the metadata catalogue



➤ You can choose many different criteria to search a metadata

- Where : to search a metadata according to its localization
- **What** : to search a metadata according to its content
 - Full-text search
 - ✓ All the words in the metadata are taking into account
 - Catalogue
 - ✓ You can choose one or more thematic catalogue
 - Themes
 - ✓ You can select one or more themes in the checkboxes




Sextant : the metadata catalogue



Simple selection

Where



What

Full text search:

Catalogue:

Themes: Sextant INSPIRE

- Human Activities
- Scanned Maps
- Imagery
- Biological Environment
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- **Who** : to search a metadata according to its producers




Sextant : the metadata catalogue



Simple selection

Where



What

Full text search:

Catalogue:

Themes: Sextant INSPIRE

- Human Activities
- Scanned Maps
- Imagery
- Biological Environment
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Who

Companies:

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- You can choose many different criteria to search a metadata
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 - ✓ All the words in the metadata are taking into account
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 - Themes
 - ✓ You can select one or more themes in the checkboxes
 - Who : to search a metadata according to its producers
 - **When** : to search a metadata according to its date



Sextant : the metadata catalogue

Sextant: the French marine spatial data infrastructure

➤ Search results

Simple selection

< >> | 1-20 result(s) / 1332

Sort by Relevance

Where

What

Full text search:

Catalogue: ATLAS_CHARM

Themes: Sextant INSPIRE

Human Activities
 Biological Environment
 Physical Environment
 Regulation and Management

Who

Companies:

When

Reset Search

Species and habitats - Merlangius merlangus (Whiting) - Larvae Stage 3 - Preferential habitat in April/May modelled by Generalised Linear Modelling and its uncertainty for Reise1, Reise2 and BCD surveys

Modelised abundance of larval stages of several species or prediction uncertainty.

Sources : Université du Littoral Côte d'Opale, CHARM consortium

Download View

Species and habitats - Merlangius merlangus (Whiting) - Larvae Stage 3 - Potential habitat in April/May modelled by Quantile Regression and its uncertainty for Reise1, Reise2 and BCD surveys

Modelised abundance of larval stages of several species or prediction uncertainty.

Sources : Université du Littoral Côte d'Opale, CHARM consortium

Download View

Species and habitats - Merlangius merlangus (Whiting) - Nurseries British coasts - Multi-annual abundance in September Kriging error map

Abundance of several species in coastal nurseries along british coasts. Kriging error (v) resulting from the interpolation of these data was mapped.

Sources : CEFAS, CHARM consortium

Download View

Species and habitats - Merlangius merlangus - Immature - Potential habitat in July modelled by Quantile Regression and its uncertainty with BTS data

Modelised abundance of species or prediction uncertainty.

Sources : CEFAS, CHARM consortium

Download View





Sextant : the metadata catalogue

Sextant: the French marine spatial data infrastructure

➤ Search results : metadata display

Simple selection << | >> | 1-20 result(s) / 1332 Sort by Relevance

Where:

Species and habitats - Merlangius merlangus (Whiting) - Larvae Stage 3 - Preferential habitat in April/May modelled by Generalised Linear Modelling and its uncertainty for Reise1, Reise2 and BCD surveys

Modelled abundance of larval stages of several species or prediction uncertainty.

OGC Web Map Service (ver 1.1.1) [Preferential habitat](#) [Model error](#)

Web address (URL) <http://www.ifremer.fr/charm/>

Essential metadata Full metadata

Species and habitats - Merlangius merlangus (Whiting) - Larvae Stage 3 - Preferential habitat in April/May modelled by Generalised Linear Modelling and its uncertainty for Reise1, Reise2 and BCD surveys

Modelled abundance of larval stages of several species or prediction uncertainty.

| | |
|------------------------|--|
| Title | Species and habitats - Merlangius merlangus (Whiting) - Larvae Stage 3 - Preferential habitat in April/May modelled by Generalised Linear Modelling and its uncertainty for Reise1, Reise2 and BCD surveys |
| Alternate title | BCD-Reise_species_model |
| Alternate title | CHARM_LIMALIM_LARV3_GLM |
| Date | 2009-12-31T00:00:00 |
| Date type | Publication: Date identifies when the resource was issued |
| Code | CHARM_MERNMER_LARV3_GLM_MOD_ERR_R |
| Presentation form | Digital map: Map represented in raster or vector form |
| Other citation details | Source CHARM Consortium |
| Abstract | Modelled abundance of larval stages of several species or prediction uncertainty. |
| Credit | Université du Littoral Côte d'Opale |
| Credit | CHARM consortium |
| Status | Completed: Production of the data has been completed |

Point of contact

| | | | |
|-------------------|--|-------------------------|--|
| Individual name | Philippe Koubbi | Electronic mail address | koubbi@obs-vlfr.fr |
| Organisation name | UPMC Univ Paris 06, UMR 7093, Laboratoire d'Océanographie de Villefranche | | |
| Role | Point of contact: Party who can be contacted for acquiring knowledge about or acquisition of the resource | | |

Point of contact

View

Sorted by Quantile

View

September

was mapped.

View

ession and its

View

European Regional Development Fund
The European Union, investing in your future

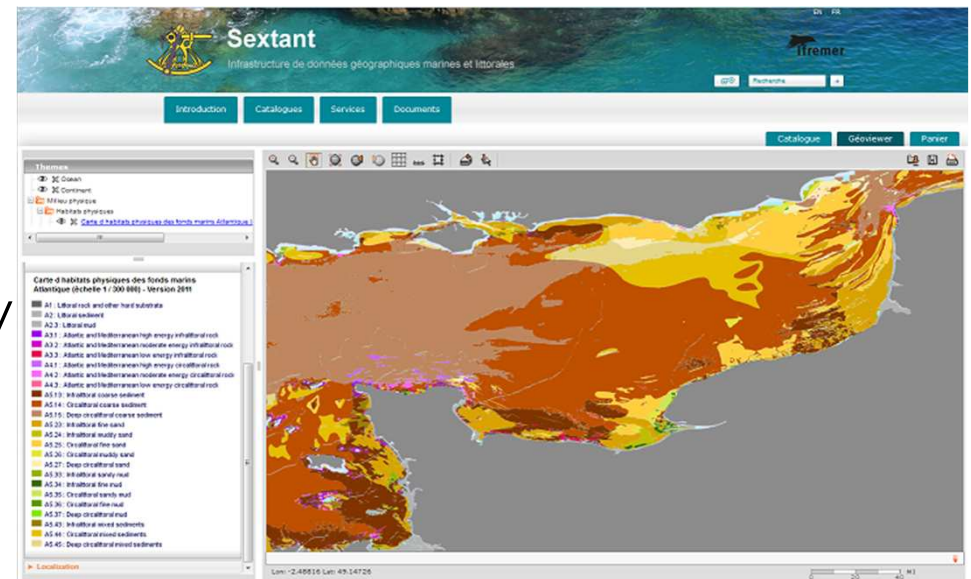
Fonds européens de développement régional
L'Union européenne investit dans votre avenir



Sextant : the Geoviewer



- The Web GIS interface allows end-users
 - to create maps including several layers from internal and external sources
 - the portal access to local and remote OGC services
 - to consult and explore data
 - Navigation, zoom tools
 - Query a layer
 - Print the map in PDF file
 - to manage layer display
 - Layer order
 - Transparency
 - Symbology (grid data)



Sextant : the Geoviewer



Sextant: the French marine spatial data infrastructure

The screenshot shows the Sextant web application interface. At the top, there is a header with the Sextant logo and the text "Infrastructure de données géographiques marines et littorales". Below the header, there are navigation buttons for "Introduction", "Catalogues", "Services", and "Documents". On the right side, there are buttons for "Catalogue", "Géoviewer", and "Panier".

The main content area is divided into two panels. The left panel contains a "Themes" section with a tree view of categories like "Ocean", "Continent", "Milieu physique", "Habitats physiques", "Milieu biologique", "Espèces", and "Espèces d'intérêt halieutique". Below this is a "Layers" section and a "Legends" section. The "Legends" section is highlighted with a red box and contains the following information:

Legends

Ocean

0m
- 10000m

Continent

gris

Carte d habitats physiques des fonds marins Atlantique (échelle 1 / 300 000) - Version 2011

- A1 : Littoral rock and other hard substrata
- A2 : Littoral sediment
- A2.3 : Littoral mud
- A3.1 : Atlantic and Mediterranean high energy infralittoral rock
- A3.2 : Atlantic and Mediterranean moderate energy infralittoral rock
- A3.3 : Atlantic and Mediterranean low energy infralittoral rock
- A4.1 : Atlantic and Mediterranean high energy circalittoral rock
- A4.2 : Atlantic and Mediterranean moderate energy circalittoral rock
- A4.3 : Atlantic and Mediterranean low energy circalittoral rock
- A5.13 : Infralittoral coarse sediment
- A5.14 : Circalittoral coarse sediment
- A5.15 : Deep circalittoral coarse sediment
- A5.23 : Infralittoral fine sand
- A5.24 : Infralittoral muddy sand
- A5.25 : Circalittoral fine sand

The right panel shows a map of the Atlantic Ocean with a bathymetry overlay. The map is color-coded by depth, with yellow and orange representing shallower waters and blue representing deeper waters. The map is displayed on a grid and includes a scale bar at the bottom right showing 0, 20, and 40 miles. The coordinates at the bottom left are Lon: -1.19809 Lat: 49.01749.



IMDIS Conference – Lucca, Sept. 25th 2013



Sextant : the Geoviewer



Sextant: the French marine spatial data infrastructure



IMDIS Conference – Lucca, Sept. 25th 2013





Sextant Web portal – The Basket

➤ Choose the extraction parameters

➤ Formats

- Vector (Shapefile, MapInfo, MIF/MID, GML/ KML)
- Raster (Ecw, GeoTiff, Jpeg)

➤ Coordinate system (WGS84, ETRS89...)

➤ Geographical extraction extent

➤ Read and agree the usage rules

➤ Reception of an email indicating that your extraction zip is ready to be downloaded

The screenshot displays the 'Edit extraction criteria for this item' interface. On the left, a map of the Mediterranean region shows a red rectangular extraction extent. Below the map, the 'Projection' is set to 'Lambert Zone I - Datum NTF'. The 'Format' is set to 'GeoTiff' for raster and 'ESRI Shapefile' for vector. An 'Apply criteria' button is visible at the bottom left.

On the right, a '6 layer(s) in your cart' panel lists several layers. Each layer has a 'Constraints' field and an 'Edit extraction criteria for this item' button. The layers listed are:

- Species and habitats - *Trisopterus luscus* - All ages - Multi-annual abundance Kriging error maps during BTS (1989 - 2006) ()
- Fishing activities - Fishing frequency (number of fishing trips) in 2006 for French vessels. Concern : netter, longliner, multipurpose.
- CHARM 1 and 2 official zones and CHARM 3 suggested zone (CHARM 1)
- CHARM 1 and 2 official zones and CHARM 3 suggested zone (CHARM 2)

 A 'Download layers' button is located at the bottom of this panel.

Define extraction criteria for all layers

Define extraction criteria for each layer





Interoperability and Inspire

➤ Metadata normalized

- ISO 19115 and ISO 19139 standards compliant
- OGC standard – Catalogue Services Web (CSW 2.0.2)
 - <http://www.ifremer.fr/geonetwork/srv/fre/csw?SERVICE=CSW&REQUEST=GetCapabilities&VERSION=2.0.2>



➤ Viewing data

- OGC standard - Web Map Service (WMS)
 - <http://www.ifremer.fr/services/biologie>
 - <http://www.ifremer.fr/services/geologie>
 - http://www.ifremer.fr/services/oceanographie_physique



➤ Data extraction

- OGC standard - Web Feature Service (WFS)
 - <http://www.ifremer.fr/services/wfs1>
- OGC standard - Web Coverage Service (WCS)
 - <http://www.ifremer.fr/services/wcs1>



Interoperability and Inspire



Sextant: the French marine spatial data infrastructure

➤ Sextant harvesting, from the National Geocatalogue

Recherche simplifiée

Où

Quoi

Recherche libre:

Catalogue: REBENT

Thèmes: Sextant, INSPIRE

Cartes scannées, Imagerie, Milieu biologique, Milieu physique

Qui

Quand

géo catalogue

FR | EN | ES | DE

ACCUEIL VOIR RECHERCHER CATALOGUER SERVICES PARTENAIRES S'INFORMER

Visualiser ma carte Ma sélection 0 données Mes préférences

Résultats de la recherche

Mot(s)-clé(s) : rebent Nature de l'information : Tout le catalogue

Emprise (Long/Lat) : 38.180 (S), 54.758 (N), -7.957 (W), 14.015 (E)

Modifier ma recherche

Résultats : 6 à 10 sur 64 Triés par : Titre Résultats par page : 5 | 10 | 20 | 50

- Carte des habitats benthiques du secteur des Abers Zone intertidale (multisource Rebent, 2010) - Echelle : 1 / 10 000**
Cette carte des habitats benthiques du secteur des Abers a été réalisée dans le cadre du Réseau de surveillance BENThique (REBENT). Elle a été élaborée à partir de l'orthophotographie littorale 2000, d'une image satellite SPOT-5, de données LIDAR, d'un MNT, du cadastre conchylicole et de données complémentaires provenant de travaux antérieurs. Les données issues de campagnes de terrain constituent
Catalogue de provenance : Sextant
Propriétaire(s) de la donnée : Ifremer
- Carte des habitats benthiques du secteur de l'archipel des Glénan (REBENT, 2006) à une échelle comprise entre le 1/5000 et le 1/10000 sous forme de polygones**
Cette carte des habitats benthiques de l'archipel des Glénan est le résultat du traitement, de l'analyse et de l'agrégation de données d'auteurs et d'organismes multiples : - M. Le Hir, S. Chauvaud, G. Robert, du bureau d'études Télédétection et Biologie Marine (TBM) en 2005, - A. Ehrhold, A. Blanchet, D. Hamon de Ifremer en 2006, - CEVA en 2004 et 2005 (zone rocheuse subtidale), - I. Peuziat et
Catalogue de provenance : Sextant
Propriétaire(s) de la donnée : Ifremer
- Carte des habitats benthiques du secteur du Croisic - zone intertidale (multisource Rebent, 2010) - Echelle 1/10000**
Cette cartographie des habitats benthiques du secteur du Croisic est réalisée dans le cadre du Réseau de surveillance BENThique (REBENT). Elle a été élaborée à partir de l'orthophotographie littorale 2000, de campagnes de validation de terrain entre 2002 et 2004 et de données Lidar acquises en 2002. L'analyse combinée de ces données permet d'établir une cartographie correspondant à la répartition

Précisez votre recherche

Catégories

- Flore et faune (57)
- Ressources et gestion de l'environnement (7)
- Océans (7)
- Géosciences (1)

Thèmes INSPIRE

- Habitats et biotopes (55)
- Géologie (1)
- Répartition des espèces (1)

Résolution spatiale

- 1/10000 (15)
- 1/50000 (10)
- 1/100000 (9)
- 1/5000 (8)
- 1/25000 (5)
- 1/20000 (3)
- 1/250000 (2)
- 1/650000 (2)
- 1/300000 (2)
- 1/14400 (1)

Type de représentation

- Vecteur (43)
- Raster (18)

Légende

- Web Existence d'un site web
- ISO Métadonnées conformes à l'ISO 19139
- OGC Données conformes aux normes d'échanges internationales
- Serv Existence de services associés (téléchargement, ...)
- CAT Métadonnées provenant du moissonnage d'un catalogue

➤ A dedicated




Interoperability and Inspire



➤ ... to the European Inspire Catalogue

Contact | Search | Legal notice English

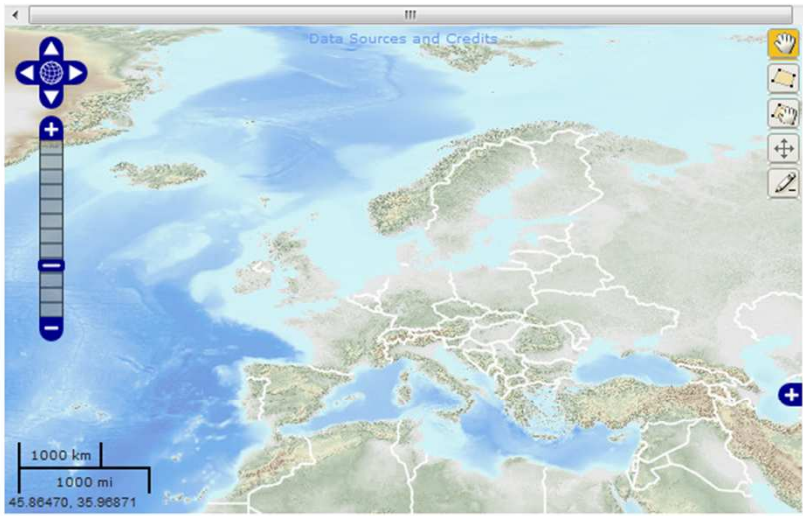


INSPIRE GEOPORTAL

Enhancing access to European spatial data

EUROPEAN COMMISSION > INSPIRE > INSPIRE GEOPORTAL > Discovery / Viewer What's

Find a place in: Europe Powered by GeoName



Active Layers: 0


Search: Advanced Search

rehent


sorted by resource title A-Z

displaying 1 to 10 out of 66 results


< 1 2 3 ... 6 7 >

 [dataset] [Carte des habitats benthiques du secteur de l'archipel des Glénan \(REBENT, 2006\) à une échelle comprise entre le 1/5000 et le 1/10000 sous forme de polygones](#) 🗄️


Cette carte des habitats benthiques de l'archipel des Glénan ...[\(show more\)](#)

 [dataset] [Carte des habitats benthiques du secteur des Abers Zone intertidale \(multisource Rebent, 2010\) - Echelle : 1 / 10 000](#) 🗄️


Cette carte des habitats benthiques du secteur des Abers a é ...[\(show more\)](#)

 [dataset] [Carte des habitats benthiques du secteur de Saint-Brieuc \(multisource REBENT, 2006\) - Echelle : 1/10000 à 1/25000](#) 🗄️

Cette carte des habitats benthiques du secteur de Saint-Brie ...[\(show more\)](#)

 [dataset] [Carte des habitats benthiques du secteur du Croisic - zone intertidale \(multisource Rebent, 2010\) - Echelle 1/10000](#) 🗄️

Cette cartographie des habitats benthiques du secteur du Cro ...[\(show more\)](#)

 [dataset] [Carte des habitats benthiques du secteur Quiberon \(source : Ehrhold A., Hamon D. et al., 2010\) - Echelle : 1/2000 à 1/10000](#) 🗄️

Cette carte des peuplements benthiques du secteur Quiberon e ...[\(show more\)](#)

Find a place

rehent

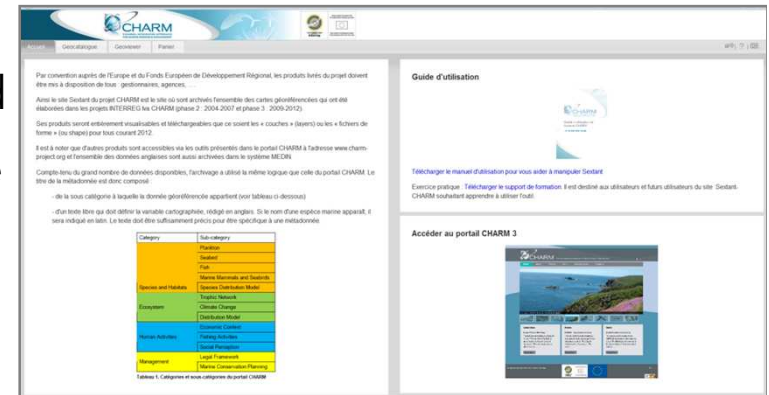


Sextant into Interreg projects



- CHARM (CHannel integrated Approach for marine Resource Management)
 - The CHARM project offers a status report of the Channel ecosystem and a range of tools based on scientific knowledge for the sustainable management of living marine resources.

➤ Through a thematic catalogue and a personalized webportal, the whole set of data is made accessible to managers and any stakeholders.



- 1300 metadata describing layers related to benthic habitats, fisheries resources and environment
- one CSW url and one WMS service, which allow interoperability with the MEDIN portal in UK

➤ The CHARM project has been selected within the scope of the INTERREG IV A France (Channel) – England cross-border European cooperation programme, co-financed by the ERDF.



Sextant into Interreg projects



- PANACHE (Protected Area Network Across the Channel) and VALMER (Valuing ecosystem services in the western Channel)
 - Together both projects will focus on better management, sustainable use and protection of the Channel marine area.
 - They will use specially the data available from CHARM.
 - The Web GIS tool will access both Sextant and MEDIN catalogues through a unique web portal (in progress).
- The PANACHE and VALMER projects have been selected within the scope of the INTERREG IV A France (Channel) – England cross-border European cooperation programme, co-financed by the ERDF.



Sextant into European projects



- A catalogue data products for Emodnet Chemistry
 - 90 metadata describing the chemical characteristics of the water column
 - <http://www.emodnet-chemistry.eu/portal/portal/emodnet/Data+Products>
 - http://www.ifremer.fr/sextant/en/web/emodnet_chemistry

The screenshot displays the EMODnet Chemistry portal interface. The top navigation bar includes 'Home', 'Overview', 'Metadata & Data', 'Data Products', 'Partners', 'Extranet', and 'Reports ma'. The main content area is divided into several sections:

- Left Sidebar:** Contains links to 'Go to homepage >>', 'European Marine Observation and Data Network on EU maritime forum', 'Chemical pilot portal >>', and a 'NEWS' section with several recent updates.
- Central Panel:** Titled 'Data Products', it lists three selected geographic areas: 'the Greater North Sea', 'the Black Sea', and 'five spots in the Mediterranean Sea'. Below this, it provides information about regional products and a search filter for 'EMODNET_Chemistry'.
- Right Panel:** A 'GeoViewer' showing a map of Europe with a highlighted region in the Black Sea. Below the map, a list of data products is displayed, each with a thumbnail map and a 'View' button:
 - Black_Sea_Seasonal_Ammonium:** Seasonal analyses of Ammonium concentration in Black Sea between 1920 and 2011. Units: $\mu\text{mol/l}$ institution = MHI (Marine Hydrophysical Institute, National Academy of Sciences of Ukraine). Time units: season Depth range: -200.0, -150.0, -100.0, -75.0, -50.0, -30.0, -20.0, -10.0, -0.0
 - Black_Sea_Seasonal_Nitrite:** Seasonal analyses of Nitrite concentration in Black Sea between 1920 and 2011. Units: $\mu\text{mol/l}$ institution = MHI (Marine Hydrophysical Institute, National Academy of Sciences of Ukraine). Time units: season number beginning from winter (seasonal time: mean over years) Depth range: -150.0...
 - Black_Sea_Seasonal_Oxygen:** Seasonal analyses of Oxygen concentration in Black Sea between 1920 and 2011. Units: $\mu\text{Equi/l}$ institution = MHI (Marine Hydrophysical Institute, National Academy of Sciences of Ukraine). Time units: season (beginning from winter) Depth range: -150.0, -100.0, -75.0, -50.0, -30.0, -20.0...
 - Black_Sea_Seasonal_Phosphate:** Seasonal analyses of Phosphate concentration in Black Sea between 1920 and 2011. Units: $\mu\text{mol/l}$ institution = MHI (Marine Hydrophysical Institute, National Academy of Sciences of Ukraine). Time units: season Depth range: -500.0, -300.0, -200.0, -150.0, -100.0, -75.0, -50.0, -30.0, -20.0...

Sextant into European projects



- A catalogue data products for Emodnet Hydrography CPRD
 - 35 metadata describing bathymetric composite products, using a personalized template and the SeaDataNet metadata profile
 - http://www.ifremer.fr/sextant/en/web/emodnet_hydrography_cprd

The screenshot displays the Sextant web application interface. On the left, a map shows the Mediterranean region with several orange boxes indicating data collection areas. The main panel on the right shows the metadata for a specific dataset.

353_291002-Catalan Margin

METADATA INFORMATION

| | |
|------------------------|---|
| File identifier | SDN:CPRD:353:291002 |
| Anchor | SDN:L231:6:CPRD = Composite Product Record |
| Metadata creation date | 2013-01-24T10:58:40 |
| Keyword | SDN:EDMERP::11373 = EMODNet Hydrography |
| Dataset name | http://www.seadatanet.org/urnurl/ |
| Alternate title | EDMERP |
| Date | 2009-06-11T00:00:00 |
| Use limitation | Not for navigation |

IDENTIFICATION

| | |
|--|---|
| Dataset name | 353_291002-Catalan Margin |
| Short name of dataset (SDN Local Product-ID) | 291002 |
| Thumbnail file name | http://www.ifremer.fr:80/geonetwork/srv/fr/resources.get?uuid=SDN:CPRD:353:291002&fname=353_291002_s.png |
| Thumbnail file name | http://www.ifremer.fr:80/geonetwork/srv/fr/resources.get?uuid=SDN:CPRD:353:291002&fname=353_291002.png |

WHAT?

| | |
|-------------------------------|---|
| Position of value in the cell | center |
| Keyword | SDN:P021:68:MBAN = Bathymetry and Elevation |
| Dataset name | http://vocab.ndg.nerc.ac.uk/ |
| Area type | SDN:L021:1:006 = Surface |
| Maximum scale of use | 1 : 200000 |

Dimensions

| | |
|-------------------|--|
| Number of lines | |
| Number of columns | |

ABSTRACT

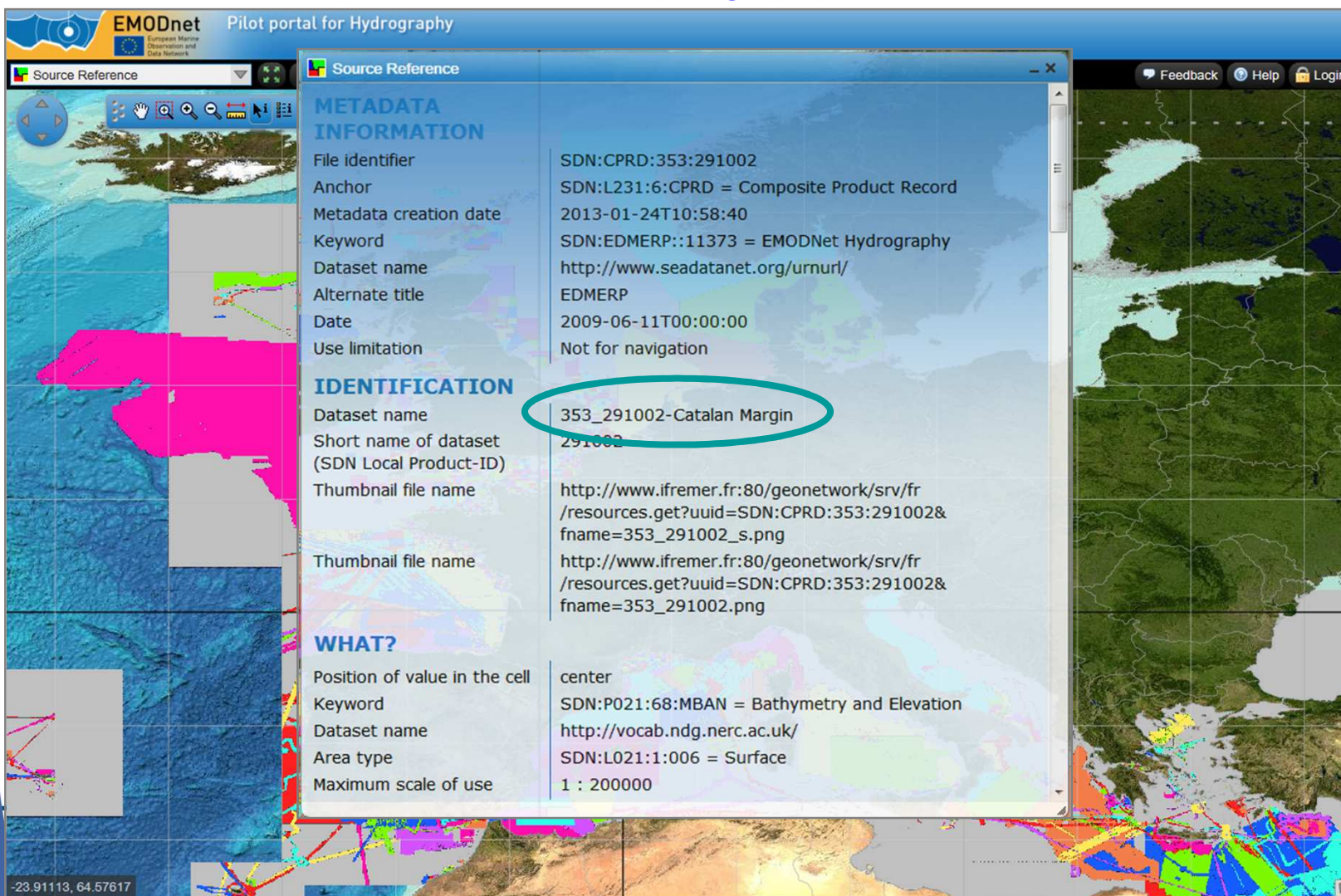
| | |
|-------------------|---|
| Short description | Composite DTM of Catalan margin at approximately 250m of resolution |
|-------------------|---|

Description of processed data sources

Sextant into European projects

- A catalogue data products for Emodnet Hydrography CPRD

– <http://www.emodnet-hydrography.eu/>



The screenshot displays the EMODnet Pilot portal for Hydrography. A metadata window is open, showing details for a dataset. The window is titled "Source Reference" and contains the following information:

| METADATA INFORMATION | |
|------------------------|---|
| File identifier | SDN:CPRD:353:291002 |
| Anchor | SDN:L231:6:CPRD = Composite Product Record |
| Metadata creation date | 2013-01-24T10:58:40 |
| Keyword | SDN:EDMERP::11373 = EMODNet Hydrography |
| Dataset name | http://www.seadatanet.org/urnurl/ |
| Alternate title | EDMERP |
| Date | 2009-06-11T00:00:00 |
| Use limitation | Not for navigation |

| IDENTIFICATION | |
|--|---|
| Dataset name | 353_291002-Catalan Margin |
| Short name of dataset (SDN Local Product-ID) | 291002 |
| Thumbnail file name | http://www.ifremer.fr:80/geonetwork/srv/fr/resources.get?uuid=SDN:CPRD:353:291002&fname=353_291002_s.png |
| Thumbnail file name | http://www.ifremer.fr:80/geonetwork/srv/fr/resources.get?uuid=SDN:CPRD:353:291002&fname=353_291002.png |

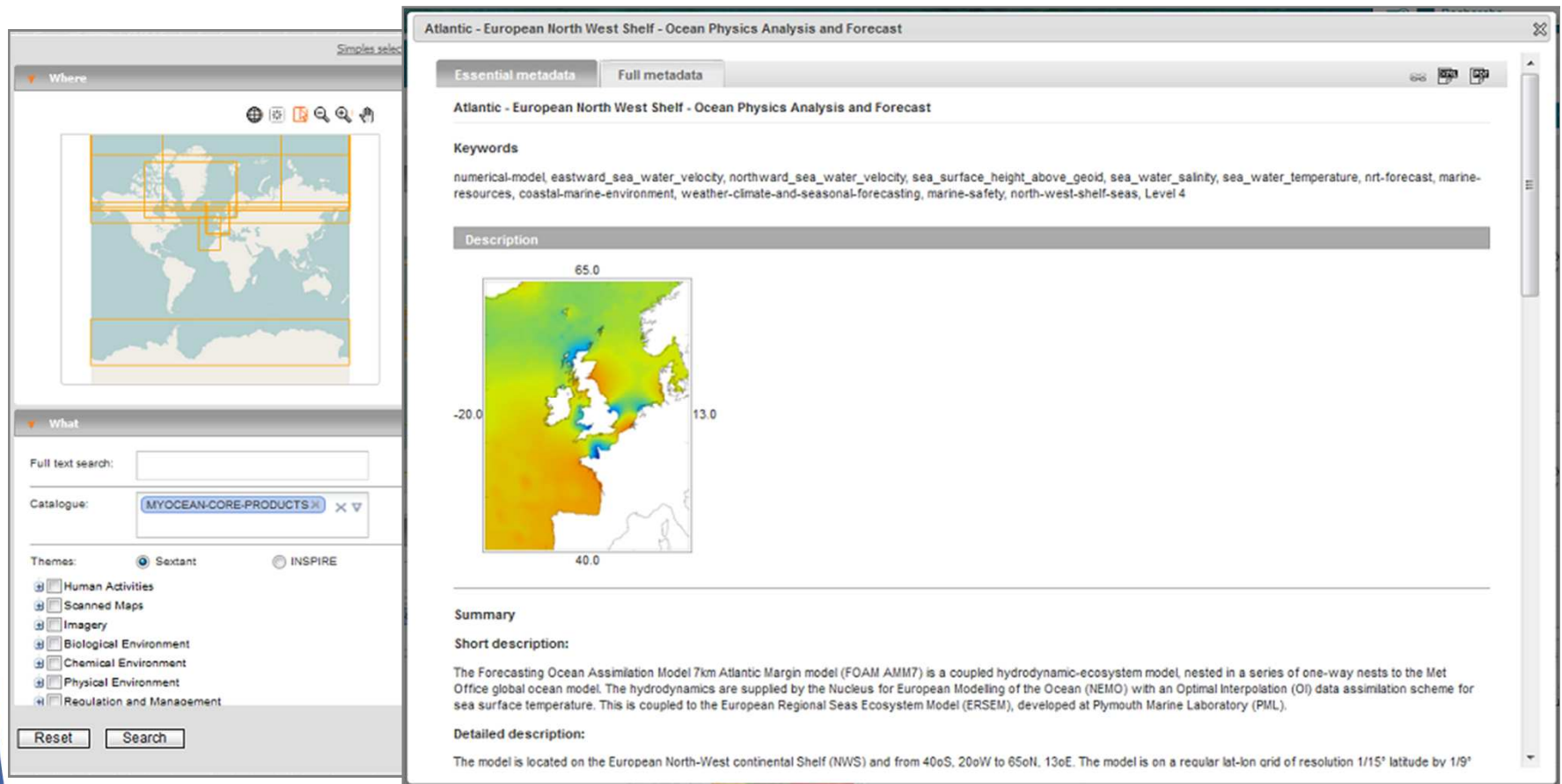
| WHAT? | |
|-------------------------------|---|
| Position of value in the cell | center |
| Keyword | SDN:P021:68:MBAN = Bathymetry and Elevation |
| Dataset name | http://vocab.ndg.nerc.ac.uk/ |
| Area type | SDN:L021:1:006 = Surface |
| Maximum scale of use | 1 : 200000 |

The background of the screenshot shows a map of the Mediterranean Sea with a pink highlighted area representing the Catalan Margin. The EMODnet logo and "Pilot portal for Hydrography" are visible at the top left of the interface. The bottom left corner shows coordinates: -23.91113, 64.57617. The bottom right corner features the European Regional Development Fund logo and text: "European Regional Development Fund The European Union, investing in your future" and "Fonds européens de développement régional, L'Union européenne investit dans votre avenir".

Sextant into European projects

Sextant: the French marine spatial data infrastructure

- To manage the metadata for MyOcean data products
 - using common vocabulary lists and metadata template



The screenshot displays the Sextant metadata management interface. On the left, a search panel includes a map view, a 'Where' section with a world map, and a 'What' section with a search bar and a dropdown menu set to 'MYOCEAN-CORE-PRODUCTS'. Below this are theme filters for 'Sextant' and 'INSPIRE', and a list of categories like 'Human Activities', 'Scanned Maps', 'Imagery', etc. The main panel shows the metadata for 'Atlantic - European North West Shelf - Ocean Physics Analysis and Forecast'. It includes a 'Keywords' section with a list of terms, a 'Description' section with a map of the North West Shelf region, and a 'Summary' section with a short and detailed description of the FOAM AMM7 model.



Sextant into European projects



- Using the MyOcean web portal to discover the metadata

– <http://www.myocean.eu>

Sextant: the French marine spatial data infrastructure

The image displays two screenshots of the MyOcean web portal. The left screenshot shows the main homepage with the title 'OCEAN MONITORING and FORECASTING' and the tagline 'Providing PRODUCTS and SERVICES for all marine applications'. It features a search bar, a 'USER CORNER' button, and several navigation menus: 'ABOUT US', 'SERVICES' (with links to 'Catalogue of services', 'Register now!', and 'Ask the service desk'), 'PRODUCTS' (with links to 'Access to catalogue', 'News Flash!', 'Product improvements', and 'Technical FAQ'), 'NEWS & EVENTS', 'FOCUS ON', 'PRODUCT SHOWCASE', 'USER NEWSLETTER', 'EDUCATION' (with links to 'Observation', 'Modelling', and 'Ocean parameters'), 'PRESS/EDITION CORNER', and 'SCIENTIFIC PUBLICATIONS'. A central section titled 'MYOCEAN INTERACTIVE' includes a search mode selector and a note about registration. Below this is a map titled '1 AN AREA' with a list of regions: 'All areas', 'Global Ocean', 'Arctic Ocean', 'Baltic Sea', 'Atlantic-European North West Shelf-Ocean', 'Atlantic-Iberian Biscay Irish-Ocean', 'Mediterranean Sea', and 'Black Sea'. The right screenshot shows a detailed product page for 'EUROPEAN OCEAN- SEA SURFACE TEMPERATURE MULTI-SENSOR L3 OBSERVATIONS'. It includes a satellite map of the region, a description of the product as a 'supercollocated' L3 multi-sensor product, and options for 'INFO', 'DATA ACCESS', and 'VIEW'. The bottom of the page features a row of flags representing various countries.



Conclusion

Due to its interoperability, using the ISO standards and the OCG protocols, and its capacity to be adapted at many national and international profiles, using Seadatanet vocabulary lists,

Sextant becomes one of the major marine spatial data infrastructures used in national projects,

and also plays an important role for products management in European projects (ie the products catalogue).





Thank you for your attention

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