



SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Discovery and Access Service for CSR

12.12.2013 Mid-Term Review, Brussels, Belgium

Anne Che-Bohnenstengel, BSH

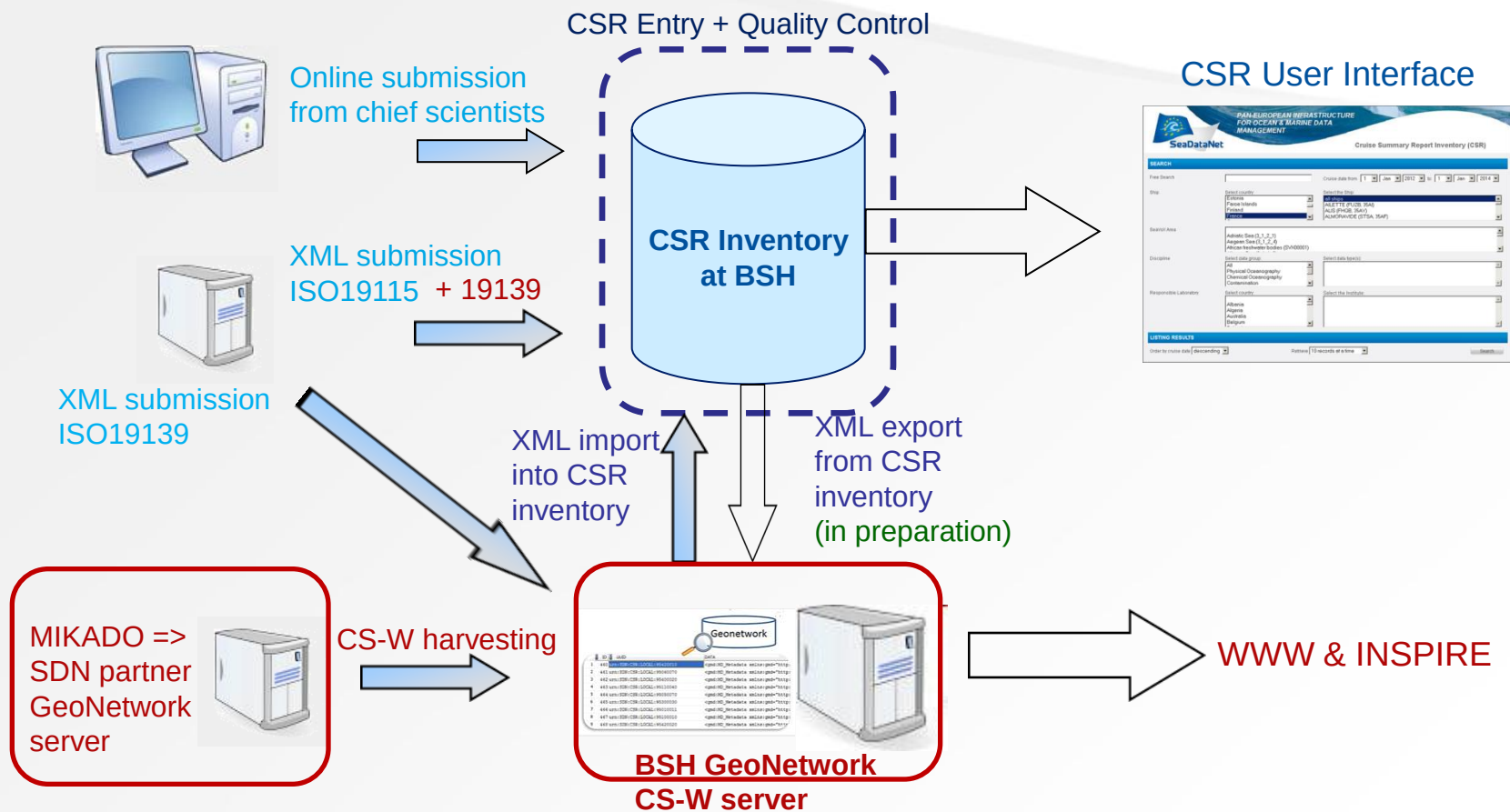
Overview

- Introduction
- Logistics
- CSR User Interface
- CSR Services

Introduction

- Cruise Summary Reports(CSR) have a long tradition and are one of the first valuable information over research cruises
- Through SeaSearch and SeaDataNet a big step has been made from ROSCOPs in paper form with free text to the present day digitised CSR using harmonised vocabularies for organisations, projects, geographical specification, parameters measured and devices used etc.
- CSRs provide important and interesting supplemental meta information for data
 - WHO: scientists and organisations
 - WHEN: time frame of cruise
 - WHERE: sea areas involved, bounding boxes of research activities
 - WHAT: objectives of cruise, measurements or observations made, relevant projects
- **NOW** with link between the data sets (CDI) and Cruise Summary Report

CSR Logistics – from Input to Output





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Details of Thalassa Cruise 1

GENERAL INFORMATION

Platform/Ship
Cruise begin
Cruise end
Port of Departure
Port of Return
Chief Scientist(s)
Responsible Laboratory

LOCATION

General Ocean Areas
Marsden Squares(S, N, E, W)
Bounding Box(es)
Specific Geographic Areas
Link to Charts

PROJECT

Project Title / Coordinating Body
OBJECTIVES
Description

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MANAGEMENT**

Cruise Summary Report Inventory (CSR)

Instruments used

Linkage / Report / Station list

PRINCIPAL INVESTIGATORS

A LEAUTE Jean-Pierre - [IFREMER STATION DE LA ROCHELLE-L'HOUMEAU](#)

Summary of measurements and samples taken

Biology & Fisheries					
PI	Number	Type	Unit	Type of measurement	Reference date
A		B18		Zoobenthos	18.10.2012
A		B19		Demersal fish	18.10.2012
A		B20		Molluscs	18.10.2012
A		B21		Crustaceans	18.10.2012

Geology & Geophysics					
PI	Number	Type	Unit	Type of measurement	Reference date
A		G24		Long/short range side scan sonar	18.10.2012
A		G73		Single-beam echosounding	18.10.2012
A		G74		Multi-beam echosounding	18.10.2012

Meteorology					
PI	Number	Type	Unit	Type of measurement	Reference date
A		M06		Routine standard measurements	18.10.2012

Physical Oceanography					
PI	Number	Type	Unit	Type of measurement	Reference date
A		D90		Other physical oceanographic measurements	18.10.2012
A		H10		CTD stations	18.10.2012
A		H71		Surface measurements underway (T,S)	18.10.2012

Order by cruise date descending

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CSR User Interface http://seadata.bsh.de/csr/retrieve/sdn2_index.html



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Details of Thalassa Cruise EVHOE 2012 (BSH R

GENERAL INFORMATION

Platform/Ship	Thalassa
Cruise begin	18.10.2012
Cruise end	02.12.2012
Port of Departure	Lorient, France
Port of Return	Brest, France
Chief Scientist(s)	LEAUTE Jean-Pierre - IFREMER SALAUN Michèle - IFREMER PAWLOWSKI Lionel - IFREMER
Responsible Laboratory	IFREMER STATION DE LA IFREMER / STHLBP-LABO

LOCATION

General Ocean Areas	Northeast Atlantic Ocean
Marsden Squares(S, N, E, W)	
Bounding Box(es)	WEST EAST -11.3 -1.3
Specific Geographic Areas	Golfe de Gascogne et me
Link to Charts	» GML track » Chart

PROJECT

Project Title /	EVHOE - HALIEUTIC RESO
Coordinating Body	

OBJECTIVES

Description	The Bay of Biscay and the effort in terms of managing dynamics of the fished stocks trends of marine ecosystems
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Thalassa

Status	Operating
Main activity	Fisheries
Operating area	Other
Country	France
ICES Shipcode	35HT
Call sign	FNFP
Year built	1996
Homeport	Nantes
Length	74.50 m
Avail. for charter	Yes
Last update	02.02.2011

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Ocean Going Research Vessel Database

[CONTACT INFORMATION](#) [Technical details](#) [Back to results](#)

Owner	Ifremer and IOE
Operator Name	IFREMER / GENAVIR BREST
Operator Address	Centre IFREMER de Brest,BP 71 29280 PLOUZANE France
Contact person	Jean Xavier Castrec
Telephone	+33 298 224453
Fax	--
Website	http://www.ifremer.fr/evho2/newsroom/fr/evho2/thalassa/index.htm
Email	jean-xavier.castrec@ifremer.fr

[Printable detailed PDF](#)

CSR User Interface http://seadata.bsh.de/csr/retrieve/sdn2_index.html



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Details of Thalassa Cruise EVHOE 2012 (BSH Ref-No.: 20136298)

GENERAL INFORMATION				
Platform/Ship	Thalassa			
Cruise begin	18.10.2012			
Cruise end	02.12.2012			
Port of Departure	Lorient, France			
Port of Return	Brest, France			
Chief Scientist(s)	LEAUTE Jean-Pierre - IFREMER STATION DE LA ROCHELLE-L'ÎLE SALAÜN Michèle - IFREMER / STHLBP-LABORATOIRE BIOLOGIE PAWLOWSKI Lionel - IFREMER / STHLBP-LABORATOIRE BIOLOGIE			
Responsible Laboratory	IFREMER STATION DE LA ROCHELLE-L'ÎLE <u>IFREMER / STHLBP-LABORATOIRE BIOLOGIE DES PECHERIES</u>			

LOCATION				
General Ocean Areas	Northeast Atlantic Ocean (40°W)			
Marsden Squares(S, N, E, W)				
Bounding Box(es)	WEST	EAST	SOUTH	NORTH
	-11.3	-1.3	43.7	51.8
Specific Geographic Areas	Golfe de Gascogne et mer Celtique			
Link to Charts	» GML track » Chart			

PROJECT	
Project Title / Coordinating Body	EVHOE - HALIEUTIC RESOURCES ASSESSMENT-WEST EUROPE

OBJECTIVES	
Description	The Bay of Biscay and the Celtic Sea are a major fishing sector effort in terms of managing the resource and making arrangements dynamics of the fished stocks. Therefore, it is essential to have trends of marine ecosystems.



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European Directory of Marine Organisations (EDMO)

Organisation details [« Back](#)

DETAILS	
Name	IFREMER / STHLBP-LABORATOIRE BIOLOGIE DES PECHERIES
Address	IFREMER Station de Lorient 8, rue Francois Toullec
Zipcode	56100
City	LORIENT
Country	France
Phone	+33 (0)2.97.87.38.00
Fax	+33 (0)2.97.87.38.01

ORGANISATION PROFILE	
	The activity of this laboratory of Lorient is related to fishing. The coastal laboratory of the department Halieutic Ressources (DRVRH) ensures the follow-up of fishings and consolidates the statistics of fisheries at the national level.

RESULTS IN OTHER SERVICES	
 CDI Data access	 Databases
 Cruises EU	 Cruise Reports

EDMO METADATA



[Map](#) [Satellite](#)

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Map data ©2013 Google [Terms of Use](#) [Report a map error](#)

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MANAGEMENT

European Directory of Marine Environmental
Research Projects (EDMERP)

| [XML V1](#) | [XML V2](#) | [print](#) |

Details of Thalassa Cruise EVHOE 2012 (BSH Ref-No.:

GENERAL INFORMATION

Platform/Ship	Thalassa
Cruise begin	18.10.2012
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Port of Departure	Lorient, France
Port of Return	Brest, France
Chief Scientist(s)	LEAUTE Jean-Pierre - IFREMER / STH SALAUN Michèle - IFREMER / STH PAWLOWSKI Lionel - IFREMER / STH
Responsible Laboratory	IFREMER STATION DE LA ROCHELLE IFREMER / STH/LBP-LABORATOIRE

LOCATION

General Ocean Areas	Northeast Atlantic Ocean (40°W)
Marsden Squares(S, N, E, W)	
Bounding Box(es)	WEST EAST SOUT -11.3 -1.3 43.7
Specific Geographic Areas	Golfe de Gascogne et mer Celtique
Link to Charts	>> GML track >> Chart

PROJECT

Project Title / Coordinating Body	EVHOE - HALIEUTIC RESOURCES
--------------------------------------	-----------------------------

OBJECTIVES

Description	The Bay of Biscay and the Celtic Sea effort in terms of managing the resources and dynamics of the fished stocks. The trends of marine ecosystems.
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DETAILS

GENERAL INFO

Project title	HALIEUTIC RESOURCES ASSESSMENT-WEST EUROPE (EVHOE)
Project acronym	EVHOE
Associated programme	Ecosystemes halieutiques, Systeme d'information halieutique
Begin date	1987-01-01
End date	1900-01-01

LOCATION

Sea area (C16)	Bay of Biscay,North Atlantic Ocean
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DESCRIPTION

Data-themes (P081)	Biological oceanography
Abstract	Evaluations of the fisheries under community management and nonCommunity management. Study of the seasonal distribution of the halieutic resources of the Bay of Biscay (from the coast to the isobath 600 m) and of the Celtic Sea (between 100 and 600 m of depth), Bristol Canal and South of the canal St George. Follow-up of the evolution of the demographic structures of the principal fish populations. Constitution of a time serie of indices of abundance and indices of recruitment for the stocks evaluated with the C.I.E.M.

COORDINATOR

Coordinating organisation	IFREMER / STH/LBP-LABORATOIRE BIOLOGIE DES PECHERIES
Country of Coordinator	France
Contact name	MAHE Jean-Claude
Contact organisation	IFREMER / STH/LBP-LABORATOIRE BIOLOGIE DES PECHERIES
Phone	+33 (0)2.97.87.38.00
Fax	+33 (0)2.97.87.38.01
Email	Jean.Claude.Mahe@ifremer.fr

EDMERP METADATA

Edmerp id	9597
Collating centre	IFREMER / IDM/SISMER
Latest update	2009-01-30

12.12.2013 Mid-Term Review, Brussels

Anne Che-Bohnenstengel, BSH

CSR User Interface - Charts



or: [Http link to a website](#)

CSR Services - XML download via user interface

Download
CSR re
ISO 19
19139
for:

- local
- main
- using
- use
- for
- reco



```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-model href="http://schemas.seadatanet.org/Standards-Software/Metadata-formats/SDN2_CSR_ISO19139_3.0.0.sch" type="application/xml" schematypens="http://
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```

ISO 19139

CSR Services - SOAP Web Service

<http://seadata.bsh.de:8080/axis2/services/CSR?wsdl>

With following functionalities

- `getRecordByID` – single record with given collating centre and cruise ID
- `getRecordByCSRREF` – single record with given BSH CSR reference number
- `getListByRevisionDate` – all records from a given revision date
- `getListByShipCode` – all records of one platform (ship code)
- `getListByEdmoCode` – all records of one organisation (EDMO code)
- `getListByTempExtent` – all records of cruises within a temporal extent

Still in XML ISO 19115(V1) format. Will be upgraded to ISO 19139 (V2).

CSR Services - Link for data sets

CSR ISO List (for CDI)
published via

<http://seadata.bsh.de/isoCodelists/sdnCodelists/csrCodeList.xml>

```
<codeEntry>
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```

Central CSR
reference number

collating centre &
local cruise ID

CSR Services - *CS-W Harvesting & GeoNetwork (in test)*

Synchronisation of XML files in central CSR system with the distributed system of SDN partners

- Records in INSPIRE compliant ISO19139 format will be automatically fetched from connected partner centres
- Regular CS-W harvesting with filter for new or updated records
- Publishing of stored files via GeoNetwork for WWW and INSPIRE
- planned: export of all completed records from central CSR inventory to GeoNetwork

CSR Services - CS-W Harvesting & GeoNetwork



SeaDataNet

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Simple Search | Advanced Search

WHAT?

WHERE?

Ireland

Search

Reset

Sort by: Relevance

Hits per page: 10

Output: Full

• Datasets

• Directories

• Interactive resources

• Maps

• SeaDataNet Cruise Summary Reports

GeoRSS

- 15AK2012202
- M4 Weather Buoy Recovery Survey
- Sediment Transport Assessment, Irish North Coast
- Celtic Sea Herring Acoustic Survey
- 15AK2012208
- Palaeoenvironments and sediment distribution west of Ireland
- Celtic Sea and Irish Sea Nephrops UWT Survey
- GMIT Galway Bay Trailing Survey
- SEAI NO. 4 Seabed Mapping Survey
- Irish Groundfish Survey 2013

GeoNetwork

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Username: Password:

Show map

*** IDENTIFICATION INFO**

Title: Celtic Sea and Irish Sea Nephrops UWT Survey

Alternate title: CV13014

Date: 2013-11-08

Date type: Revision: Date identifies when the resource was examined or re-examined and improved or amended

Code: urn:SDN:LOCAL:CV13014

*** Cited responsible party**

Organization: Originator: Party who created the resource

Role: Voice: +353-91-387200

Facsimile: +353-91-387201

Delivery point: Rinville Oranmore

City: Co. Galway

Country: Electronic mail: institute.mail@marine.ie

address: <http://www.marine.ie>

OnLine resource:

Abstract

To obtain 2013 quality assured estimates of Nephrops burrows densities on the Porcupine Bank and in the Sea not already surveyed in 2013. Collect ancillary information from the UWTV footage collected at each such as the occurrence of sea-gens, other macro benthos and fish species and trawl marks on the seabed. Oceanographic data using a sledge mounted CTD. Beam trawl tows on 5m/s where time allowed.

*** Point of contact**

Individual name: Jennifer Doyle

Organization: Point of contact: Party who can be contacted for acquiring knowledge about or acquisition of the resource

Role: Voice: +353-91-387200

Facsimile: +353-91-387201

Delivery point: Rinville Oranmore

City: Co. Galway

Country: Electronic mail: institute.mail@marine.ie

address: <http://www.marine.ie>

OnLine resource:

Graphic overview

File name: CV13014.jpg

File description: track chart

File type: JPEG

Descriptive keywords: Oceanographic geographical features (theme); (departure_place);

Descriptive keywords:

CSR Services - CS-W Harvesting & GeoNetwork

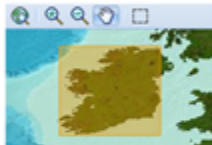


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Simple Search | Advanced Search

WHAT?

WHERE?



Ireland

Search

Reset

Options

- Datasets
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GeoRSS

- 15AK2012202
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- Sediment Transport Assessment, Irish North Coast
- Celtic Sea Herring Acoustic Survey
- 15AK2012208
- Palaeoenvironments and sediment distribution west of Ireland
- Celtic Sea and Irish Sea Nephrops UWTV Survey
- GMT Galway Bay Traning Survey
- SEAI NO. 4 Seabed Mapping Survey
- Irish Groundfish Survey 2013

Mit dieser XML-Datei sind anscheinend keine Style-Informationen verknüpft. Nachfolgend wird die Baum-Ansicht des Dokuments angezeigt.

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```

Concluding remarks

- Enormous input of Cruise Summary Reports through activities of the SeaDataNet community -> CSR inventory gains in significance
- Simple to contribute via MIKADO and online Content Management System
- User Interface wins attractivity through many links to other meta data and graphical elements – invites user to browse through the pages
- Many export services enable the information to be published effectively
- Web statistics document that the most frequented pages are the report details and downloading of the CSRs in XML format

***Thank you
for your attention***