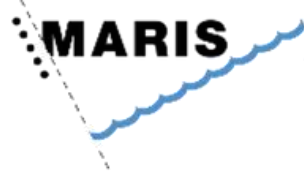


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International conference on Marine Data and Information Systems





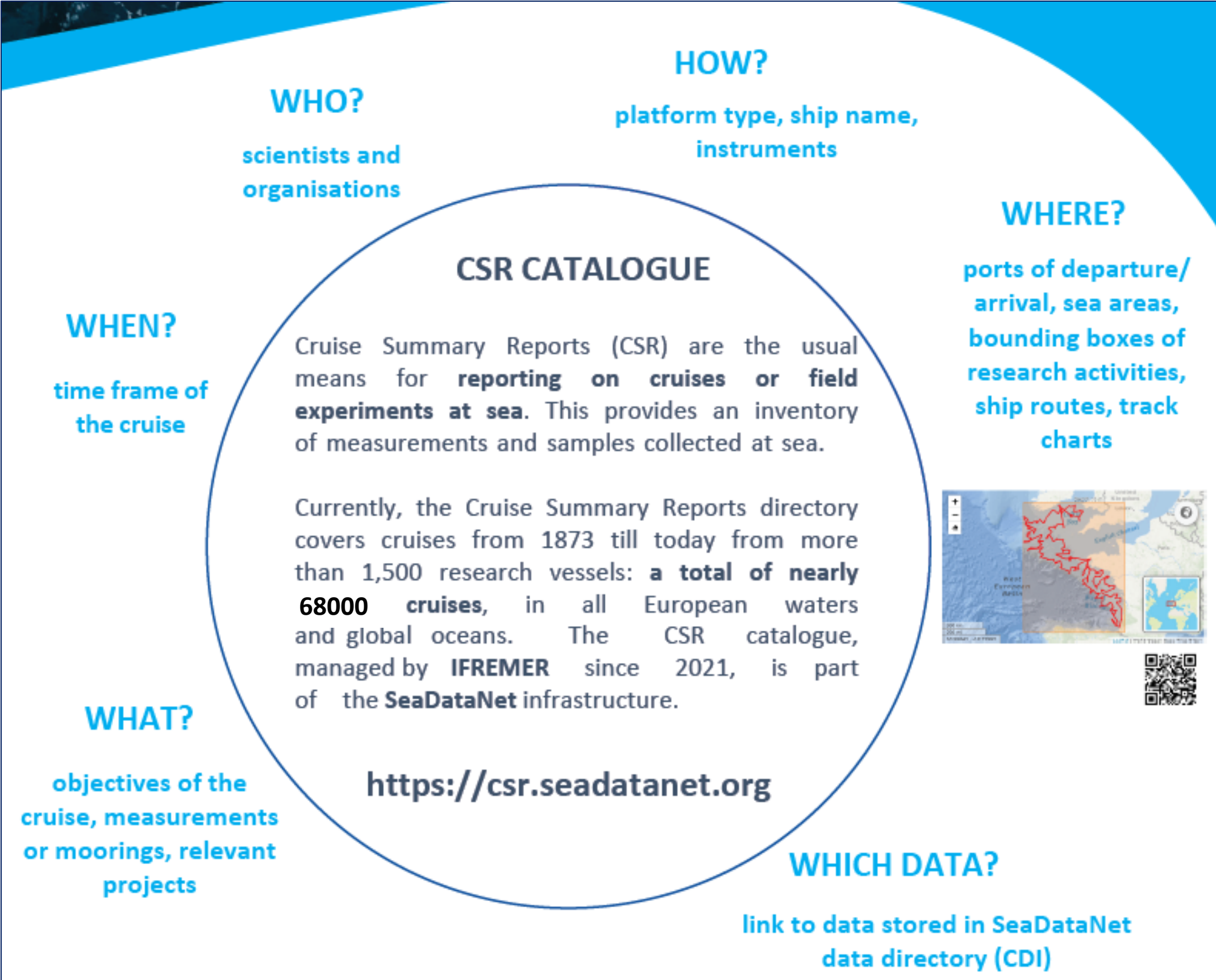
Modernised Cruise Summary Report directory: enhanced access to and management of marine cruises

Marine Vernet, Ifremer
Vanessa Tosello, Ifremer
Nolwenn Danioux, Ifremer
Fred Merceur, Ifremer
Steven Piel, Ifremer

CSR content



The Cruise Summary Report directory is part of the SeaDataNet pan-european infrasturcture for marine and ocean data management



CSR workflow

CSR BACK-OFFICE

Online tool to allow Chief Scientists and NODCs to create and update CSR entries

<https://csr-backoffice.seadatanet.org>



Online forms



XML submission



Preview



Status and history of submissions


Chief scientists,
NODCs

Add a new CSR

[FROM EMPTY ONLINE FORM](#)

Or Import CSR from ZIP/XML files

Drag and drop files here

NB: You can upload one or many SeaDataNet XML files or Zip containing SeaDataNet XML files.

IDENTIFICATION

- DEPOSITOR
- RESPONSIBLE
- OBJECTIVES
- OTHER INFORMATION
- PROJECTS
- PARAMETERS
- AREAS
- MEASUREMENTS
- MOORINGS

MARINE ID

SISMER

VALIDATION

CSR SEARCH INTERFACE

SeaDataNet PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

CRUISE SUMMARY REPORT INVENTORY (CSR)

64924 results [Reset filters](#)

Name	Country (Collate centre)	Chief scientist	Platform	Period
<input type="checkbox"/> 2023002001 21028592	Norway	Jon Rønning	Johan Hjort	05.01.2023 > 13.01.2023
<input type="checkbox"/> 2022K29 21028312	Sweden	Mikael Peedu	Unknown (ZZ99)	20.12.2022 > 20.12.2022
<input type="checkbox"/> RADCAN 2022-12 21028315	Spain	Luis Felipe González de los Reyes-Gavilán	Ramon Margalef (29RM)	15.12.2022 > 18.12.2022
<input type="checkbox"/> ANTARLOG_20221213 21028481	Spain	UTM	Hesperides (29HE)	13.12.2022 > 29.12.2022
<input type="checkbox"/> BU2022/32 21028463	Belgium	Koen Degrendele, Nicolas Vanermen	Belgica (11BU)	10.12.2022 > 17.12.2022
<input type="checkbox"/> BRIDGE-BS Dec 2022 21028506	Turkey	Dr. Hasan Orek	Bilim-2 (89B2)	07.12.2022 > 24.12.2022
<input type="checkbox"/> 2022628 21028293	Norway	Cecille Kvamme	Kristine Bonnevie (58UO)	06.12.2022 > 11.12.2022

EVHOE 2021 CSR REF-NO : 21000533 [Download XML](#)

GENERAL INFORMATION

DOI https://doi.org/10.17600/18001223	Platform/Ship Thalassa
Cruise begin 22.10.2021	Cruise end 06.12.2021
Port of Departure Brest, France	Port of Return Brest, France

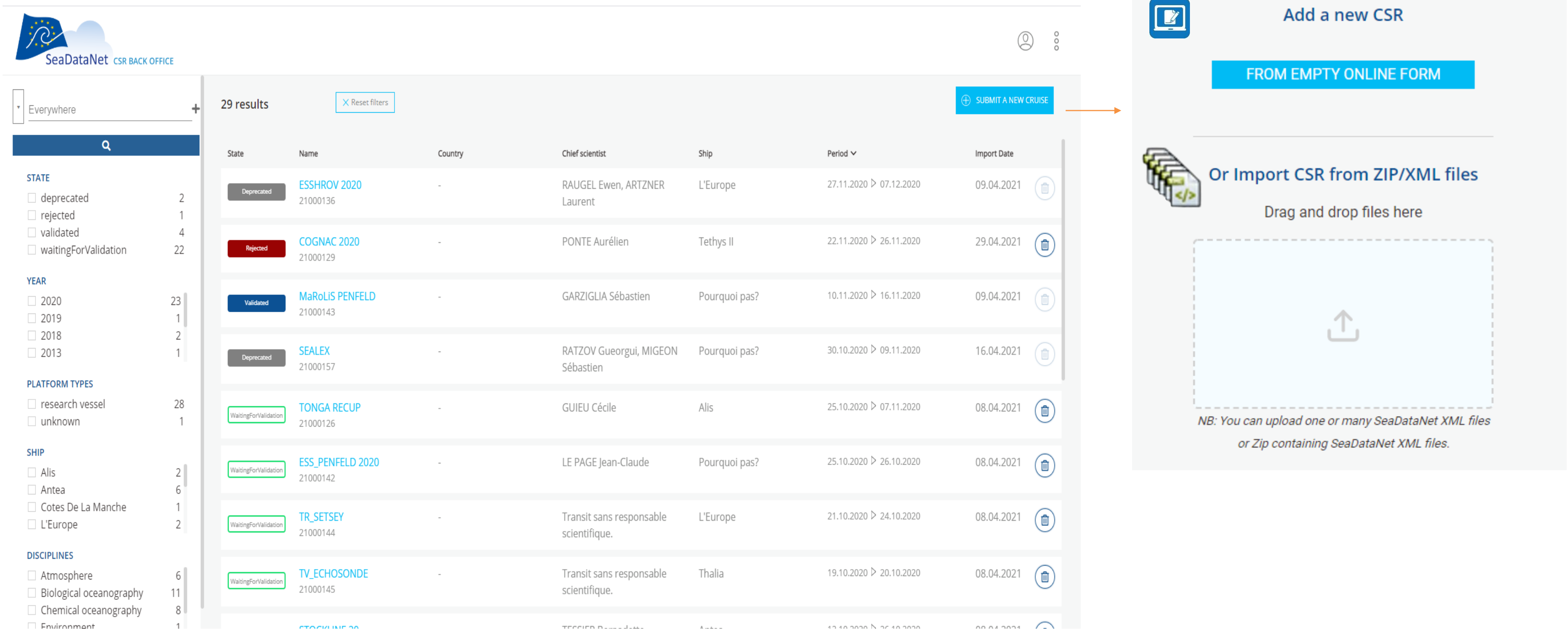
Chief Scientist(s)
LAFFARGUE Pascal - Ifremer, Ecology and Models for the Fishing Industry
GARREN François - Ifremer, Fisheries Science and Technology (Plouzane)
DUHAMEL Erwan - Ifremer, Fisheries Sciences and Technology (Lorient)

Responsible(s) Laboratory
Ifremer, Ecology and Models for the Fishing Industry
Ifremer, Fisheries Sciences and Technology (Lorient)
Ifremer, Fisheries Science and Technology (Plouzane)

CSR back-office

https://csr-backoffice.seadatanet.org

Identification using Marine-id



SeaDataNet CSR BACK OFFICE

Everywhere +

29 results [Reset filters](#) [SUBMIT A NEW CRUISE](#)

State	Name	Country	Chief scientist	Ship	Period	Import Date
Deprecated	ESSHROV 2020 21000136	-	RAUGEL Ewen, ARTZNER Laurent	L'Europe	27.11.2020 > 07.12.2020	09.04.2021
Rejected	COGNAC 2020 21000129	-	PONTE Aurélien	Tethys II	22.11.2020 > 26.11.2020	29.04.2021
Validated	MaRoLIS PENFELD 21000143	-	GARZIGLIA Sébastien	Pourquoi pas?	10.11.2020 > 16.11.2020	09.04.2021
Deprecated	SEALEX 21000157	-	RATZOV Gueorgui, MIGEON Sébastien	Pourquoi pas?	30.10.2020 > 09.11.2020	16.04.2021
WaitingForValidation	TONGA RECUP 21000126	-	GUIEU Cécile	Alis	25.10.2020 > 07.11.2020	08.04.2021
WaitingForValidation	ESS_PENFELD 2020 21000142	-	LE PAGE Jean-Claude	Pourquoi pas?	25.10.2020 > 26.10.2020	08.04.2021
WaitingForValidation	TR_SETSEY 21000144	-	Transit sans responsable scientifique.	L'Europe	21.10.2020 > 24.10.2020	08.04.2021
WaitingForValidation	TV_ECHOSONDE 21000145	-	Transit sans responsable scientifique.	Thalia	19.10.2020 > 20.10.2020	08.04.2021

STATE

- deprecated 2
- rejected 1
- validated 4
- waitingForValidation 22

YEAR

- 2020 23
- 2019 1
- 2018 2
- 2013 1

PLATFORM TYPES

- research vessel 28
- unknown 1

SHIP

- Alis 2
- Antea 6
- Cotes De La Manche 1
- L'Europe 2

DISCIPLINES

- Atmosphere 6
- Biological oceanography 11
- Chemical oceanography 8
- Environment 1

Add a new CSR

[FROM EMPTY ONLINE FORM](#)

Or Import CSR from ZIP/XML files


Drag and drop files here

NB: You can upload one or many SeaDataNet XML files or Zip containing SeaDataNet XML files.

CSR back-office


Duplicate checks

- ERROR: Same ship, same dates, same names


 A cruise with the same name, the same ship and the same begin and end dates has already been indexed : [FocusX2 \(state: validated\)](#)


- WARNING

- Same ship, same dates, different names
- Same ship, overlapping dates


 Same ship, same dates but with a different cruise name than existing cruises : [FocusX2 \(state: validated\)](#)


Loading in progress (1 file)

 CREATE ✕
15001200.xml

A cruise with the same name, the same ship and the same begin and end dates has already been indexed : CASSIOPEE (status: validated) 

Loading in progress (1 file)

 CREATE ✕
18001254_vt.xml

Same ship, same dates but with a different cruise name than existing cruises : SWINGS (status: validated) 

CSR back-office



Preview and submission for validation by the administrator.

Back

PAGE 1 / 1 CURRENT CRUISE TR_BESKER STATUS NOT_IMPORTED (18002280.XML)

DELETE SUBMIT CURRENT SUBMIT ALL (1)

GENERAL INFORMATION

ID	Cruise name
	TR_BESKER
Platform/Ship	Platform type
Cotes De La Manche	research vessel
Cruise begin	Cruise end
17.02.2021	18.02.2021
Port of Departure	Port of Return
Brest, France	Cherbourg, France
Local id	
18002280	

Chief Scientist(s)
Transit sans responsable scientifique. - [GENAVIR BREST](#)

Responsible(s) Laboratory
[GENAVIR BREST](#)

30 km
20 mi
Unavailable

Leaflet | World Ocean Base Tiles © Esri

DESCRIPTION

Transit Brest - Cherbourg.

CSR search interface

<https://csr.seadatanet.org>

Main functionalities: Search facets, Filters, Geographical selection on map, MD export in csv, xml




PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

CRUISE SUMMARY REPORT INVENTORY (CSR)


The screenshot displays the CSR search interface. On the left, a sidebar titled "PREDEFINED AREAS" lists various regions, with "Mediterranean Region" selected. A map of the Mediterranean Sea is shown with a red dashed box indicating a selected area. Below the map, there are "CANCEL" and "VALIDATE" buttons. On the right, a table titled "CRUISE SUMMARY REPORT INVENTORY (CSR)" lists cruise details. The table has columns for "Form" and "Period".

Form	Period
...tnica (77XV)	23.05.2024 > 23.05.2024
...known (ZZ99)	15.05.2024 > 15.05.2024
...known (ZZ99)	14.05.2024 > 14.05.2024
...incke (06HK)	08.05.2024 > 14.05.2024
...sabeth Mann Borgese (SEZ)	03.05.2024 > 06.05.2024
...tnica (77XV)	02.05.2024 > 02.05.2024
...geles Alvarino (29AJ)	01.05.2024 > 13.05.2024

CSR search interface – Access data in CDI



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

FEEDBACK SURVEY

Login DATASET BASKET 0

RHOSOS CSR REF-NO : 20087112 [Download XML](#) CDI

GENERAL INFORMATION

DOI
<https://doi.org/10.17600/8020040>

Cruise begin
27.08.2008

Port of Departure
La Seyne-sur-Mer, France

Chief Scientist(s)
BERNE Serge - University of Perpignan, Institut Of Modelisation and Analysis In DENNIELOU Bernard - Geo-Ocean - UMR 6538

Responsible(s) Laboratory
University of Perpignan, Institut Of Modelisation and Analysis In Marine Geo-Environnement Ifremer, Marine Geosciences

DESCRIPTION

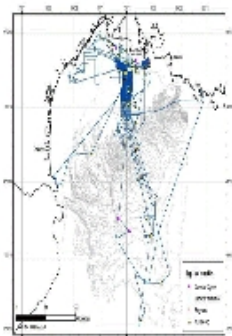
Sedimentary recordings from borehole source on Rhone river margin. The relat

LOCATION

General Ocean Areas
Mediterranean Sea, Western Basin

Specific Geographic Areas
Golfe du Lion

[Link to Charts](#)



Filter search

You searched for: Reset all
Cruise Summary Report (CSR):
RHOSOS - Le Suroit(35LU)

EXPORT RESULT **SAVE QUERY**

INPUT FIELDS

Free search ?

Date search ?
From To

Geographic search ?
North West East South

Search within bounding box

SEARCH **RESET**

SEA REGIONS ?

Mediterranean Region (113)

Mediterranean Sea (113)

Mediterranean Sea, Western ... (113)

DISCIPLINE (P08) ?

Marine geology (70)

Terrestrial (70)

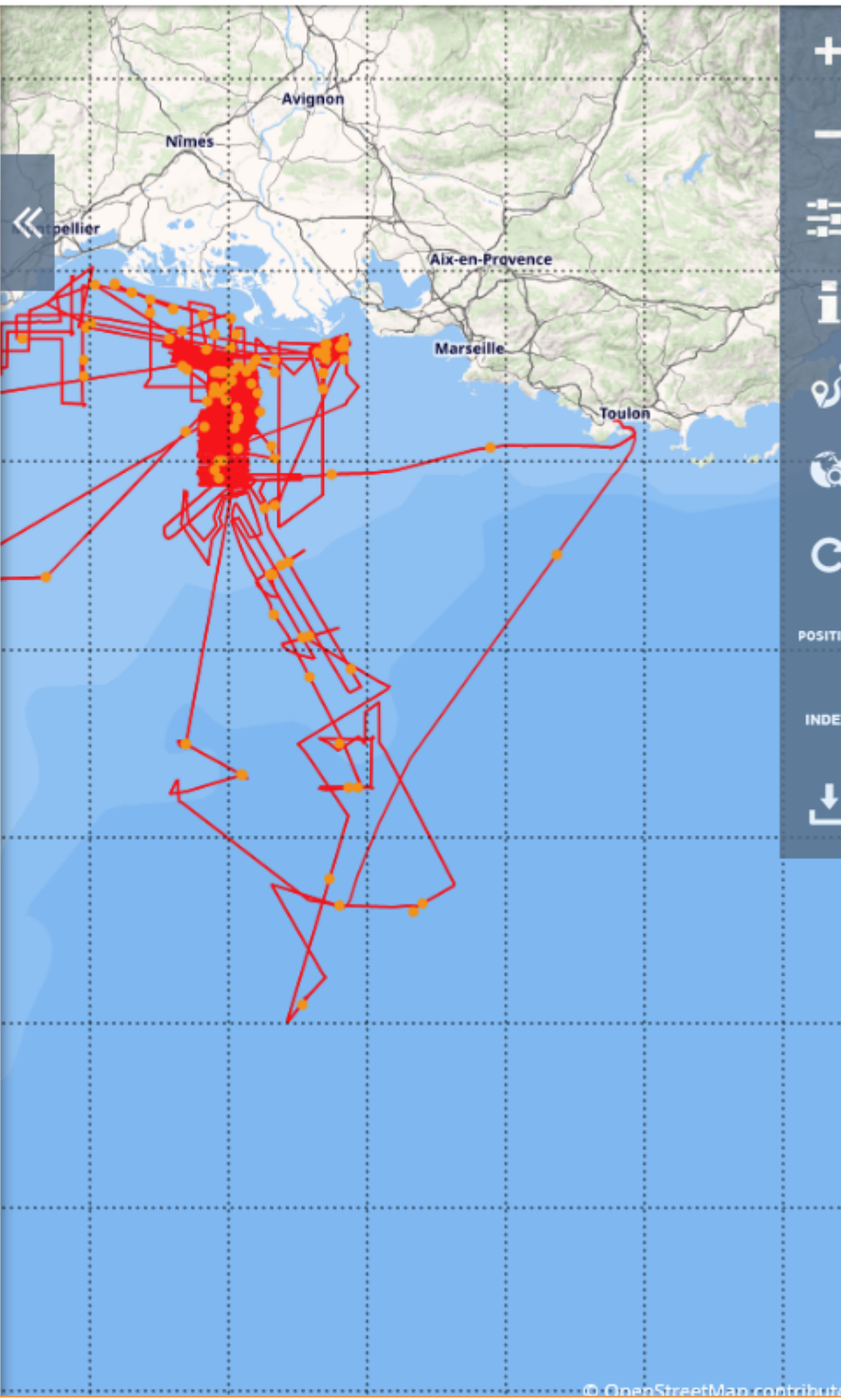
Administration and dimensio... (69)

Physical oceanography (43)

Chemical oceanography (2)

100 1000 10000 Found 113 | Show (1 - 100) | First | Prev | Next | Last

<input type="checkbox"/>	Dataset name	Country originator	Start date	Instrument / gear type
<input type="checkbox"/>	F135200802004_000A2_D01.txt(000A2)	France	20080829	current meters
<input type="checkbox"/>	F135200802004_000B2_D01.txt(000B2)	France	20080829	current meters
<input type="checkbox"/>	XBT_27501706_FZVN_20080902T030159	France	20080902	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501707_FZVN_20080902T135256	France	20080902	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501708_FZVN_20080905T034657	France	20080905	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501709_FZVN_20080905T104728	France	20080905	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501710_FZVN_20080906T200825	France	20080906	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501711_FZVN_20080907T072952	France	20080907	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501712_FZVN_20080912T225905	France	20080912	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501713_FZVN_20080915T122438	France	20080915	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501714_FZVN_20080909T064816	France	20080909	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501715_FZVN_20080909T202700	France	20080909	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501716_FZVN_20080910T213517	France	20080910	Expendable bathythermographs
<input type="checkbox"/>	XBT_27501717_FZVN_20080911T083809	France	20080911	Expendable bathythermographs



POSITION INDEX

<https://doi.org/10.17600/8020040>

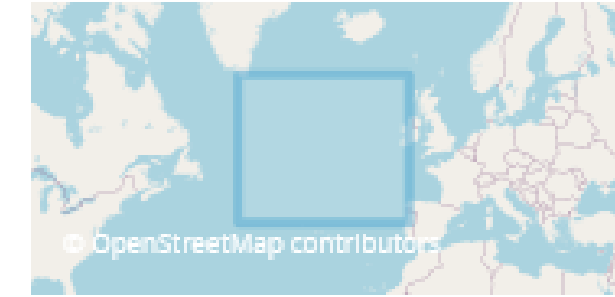
Actions Marges - The French margins project

Link to CSR in EMODnet ingestion

GO-SHIP A25 - OVIDE 2018 Cruise data

Period: 2018-06-11 - 2018-07-14

Observation type: Carbonate system, Dissolved gases, Isotopes, Nutrients, Water column temperature and salinity



OVIDE 2018 CSR REF-NO : 20185720 Download XML

ADD TO BASKET EXPORT

GENERAL INFORMATION

DOI https://doi.org/10.17600/18000510	Platform/Ship Thalassa
Cruise begin 11.06.2018	Cruise end 15.07.2018
Port of Departure Brest, France	Port of Return Brest, France
Chief Scientist(s) LHERMINIER Pascale - Laboratory for Ocean Physics and Satellite remote	
Responsible(s) Laboratory Laboratory for Ocean Physics and Satellite remote	



DESCRIPTION

The North Atlantic Ocean is a major driver of the European climate at seasonal to multi-decadal timescales. It also contributes to damp the impact of human activity on climate by storing part of the anthropogenic CO₂ and heat excess related to the strengthening of the greenhouse effect. In this project, we focus on the subpolar North Atlantic for which the interannual to decadal variability is much more important than the climatic trends associated to the anthropogenic perturbations. After a relatively warm and salty decade in the 2000s, the subpolar North Atlantic shifted to a cold and fresh state in 2012 that presents some similarities with that observed at the beginning of the 1990s, but in a context of warming in all the other oceans of the planet. This change is also characterized up to now by a deeper convection and an increase in the amplitude of the Meridional Overturning Circulation (MOC). In this context, the project aims to quantify the variability of the horizontal circulation, the MOC, the heat budget, the carbon budget and the water mass properties by repeating the OVIDE-A25 section in June-July 2018, from Portugal to Greenland. The section is composed of 98 stations that combine hydrographic, biogeochemical and current measurements down to the bottom.

An interoperable system

- The **Cruise Summary Report (CSR)** metadata format is based upon the ISO19139 content standard (INSPIRE compliant). The SeaDataNet ISO 19139 Cruise Summary Report (CSR) format as described at:

<https://www.seadatanet.org/Standards/Metadata-formats/CSR>

- The CSR metadata content is supported for many metadata tags by the **SeaDataNet common vocabularies** and **EDMO** directory (*European Directory of Marine Organisations*), and extra optional elements are included for bibliography and **EDMERP** directory (*European Directory of Marine Environmental Research Projects*) references:

<https://www.seadatanet.org/Standards/Common-Vocabularies>

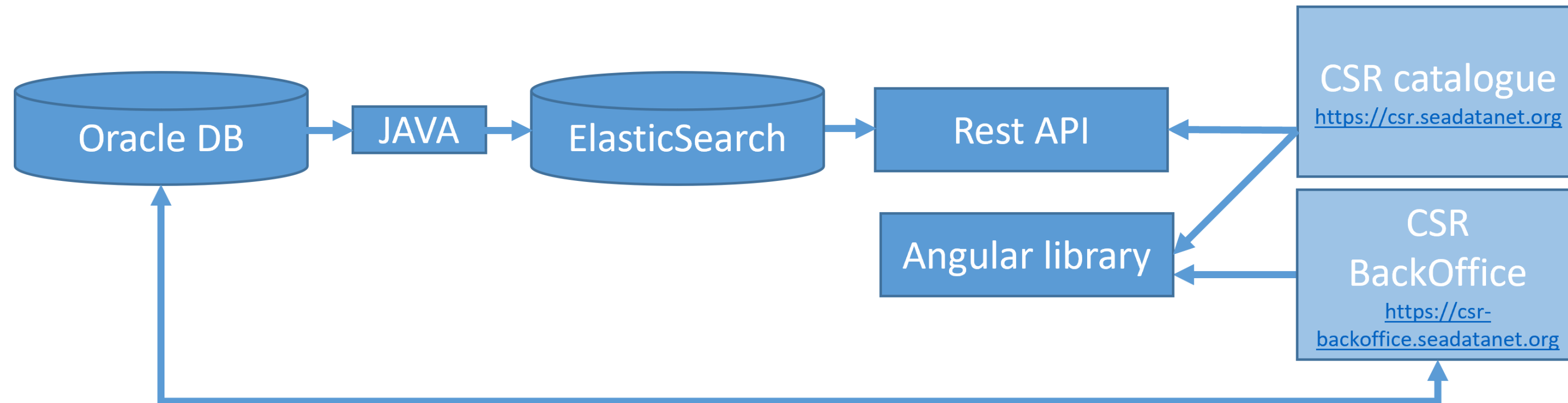
<https://www.seadatanet.org/Metadata>

- CSR sparql endpoint

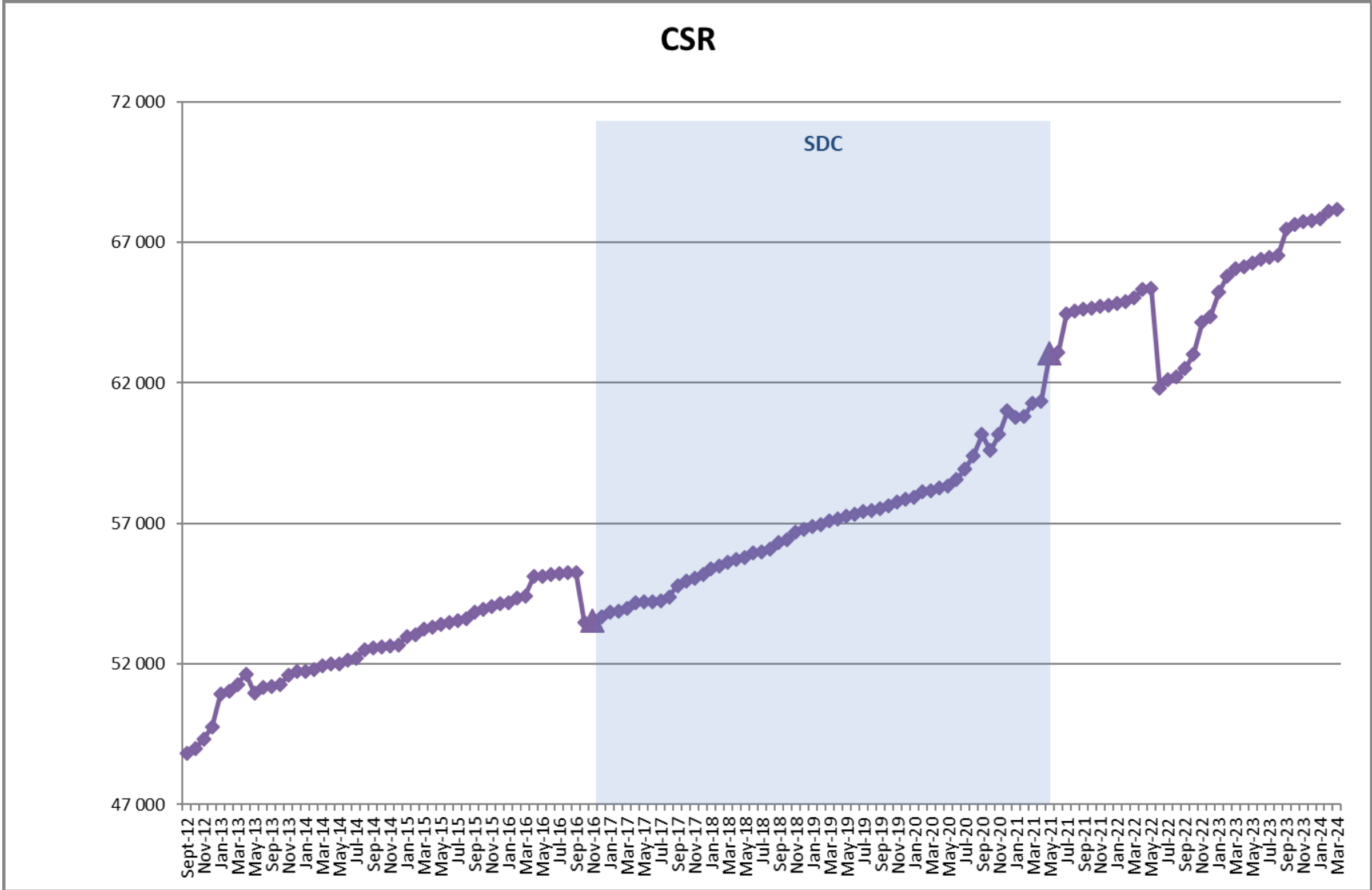
<https://csr.seadatanet.org/sparql>

CSR architecture

- The CSR metadata is stored in an Oracle database DB.
- The Oracle database is populated by the CSR back-office
- Metadata are synchronised in a ElasticSearch database using a Java batch.
- The CSR front-office query the ElasticSearch index using an API.
- The CSR back-office shares a set of fonctionnalities (search masks, facets ...) using an Angular library.



Number of CSR & users



Nb de CSRs		
	New	Update
Jan-23	904	98
Feb-23	599	184
Mar-23	245	149
Apr-23	86	70
May-23	134	98
Jun-23	113	267
Jul-23	88	42
Aug-23	81	66
Sep-23	1 009	20
Oct-23	143	21
Nov-23	107	14
Dec-23	58	20
TOTAL	3 567	1 049

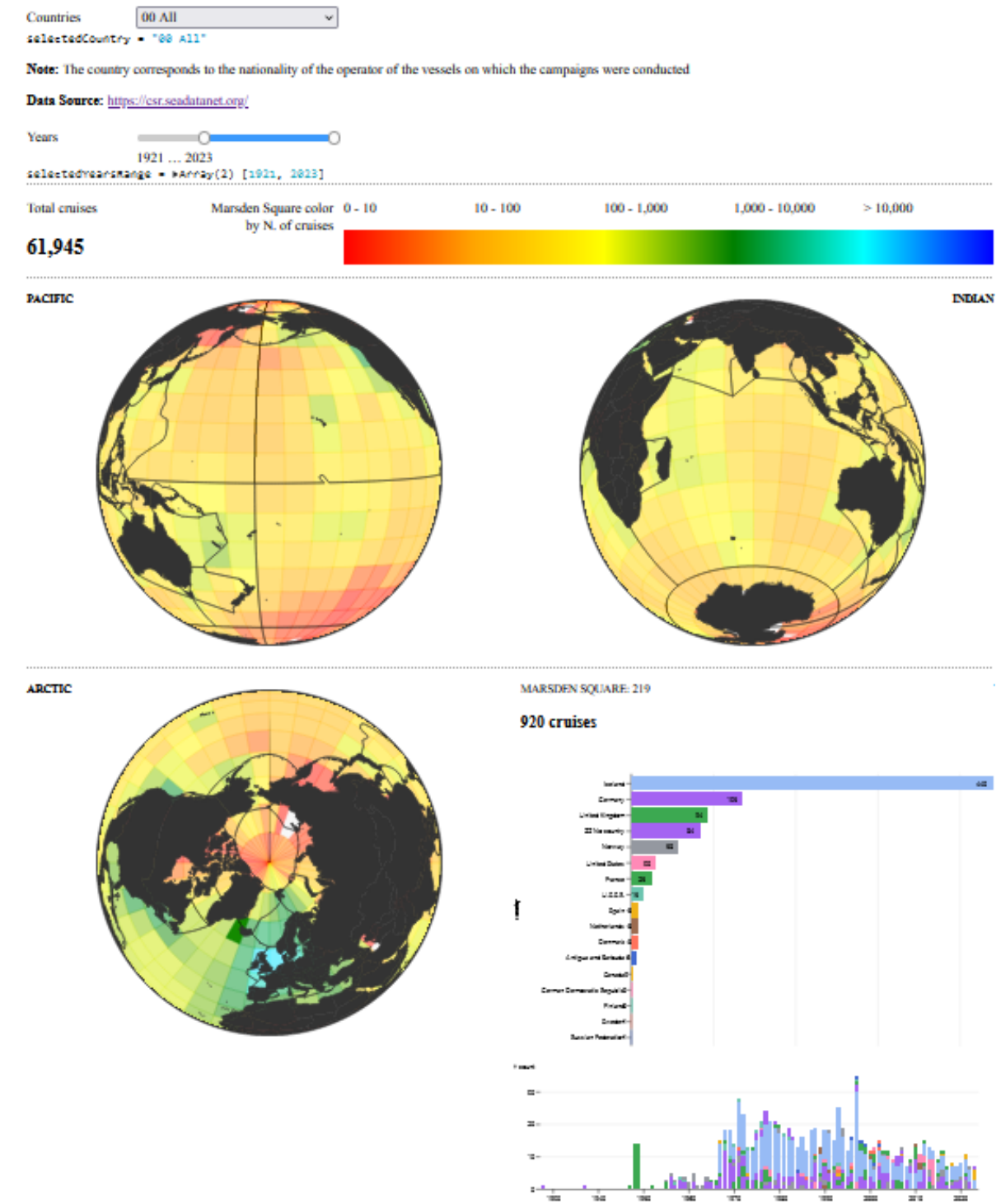
+ 3567 new CSR and 1049 updates in 2023

Number of users:
 162 back-office users, +43 in 2023
 From 32 different countries

CSR multiple uses

- Share & preserve oceanographic cruises information
- Foster data discovery & reuse
- Connected to several initiatives: SeaDataNet [EuroFleet +](#), [ARICE](#), [POGO](#)
 - Specific search interfaces declined from CSR catalog
- Rich database providing analysis material
 - I.e: Prototype of Oceanographic cruises per Marsden Squares based on CSR data developed in the context of a study performed by SIRIS ACADEMIC for the [French Oceanographic Fleet RI](#)

Oceanographic cruises by Marsden squares



What's next

In 2024...

Study to collect user's needs and help identify & prioritize possible improvements of the CSR service

- Facilitate the use of back-office to fit different uses
- Improve geographical search
- Offer statistics per country/collate center
- Etc.

And...

Explore connections with existing and future initiatives: future EuroFleet RI, MFP, etc.



Thank you for your attention!

Contact:

sdn-userdesk@seadatanet.org

<https://csr.seadatanet.org/>

27-29 May 2024 



imdis

International conference on Marine Data and Information Systems

