



SeaDataCloud

WP4: The communication, dissemination and exploitation development

Leda Pecci - ENEA

Plenary Meeting, 29 October 2020
sdn-userdesk@seadatanet.org – www.seadatanet.org



The deliverables:

D4.11: “Newsletter n° 14”, sent on the 10th of June by MARIS

D4.16 Organisation of the 2nd User workshop (OGS) held in September

D4.17 Report on the User workshop 2 (OGS) sent on the 5th of October

D4.18 Standards and best practices submitted (HCMR)

D4.20 Final report on SeaDataNet AISBL (RBINS)



The deliverables

D4.22 Final report on IPR issues (RBINS)

D4.23 Exploitation and business plan (MARIS)



Overview of the overall activities

- SDC contribution for standards and best practices
- Links with other projects and cooperations
- Links with other infrastructures
- Promotion/Dissemination
- Exploitation of results with fish farms community
- Social Media
- Organisation of User Workshops
- Organisation of 2 editions of the IMDIS conference
- Increasing the SEO (Search Engine Optimization) of the portal
- Collaboration with the ENVRI community

SDC contribution for standards and best practices

SDN community has submitted 13 best practices in the Ocean Best Practices System repository comprising CDI, CSR, SDN vocabularies, SDN data management systems for Flow Cytometer and marine data litter, etc.



Come iniziare Lavoro ENEA Missioni

Vai



SeaDataNet

SeaDataNet is a distributed Marine Data Infrastructure for the management of large and diverse sets of data deriving from in situ of the seas and oceans. Professional data centres, active in data collection, constitute a Pan-European network providing on-line integrated databases of standardized quality. The on-line access to in-situ data, meta-data and products is provided through a unique portal interconnecting the interoperable node platforms constituted by the SeaDataNet data centres. The development and adoption of common communication standards and adapted technology ensure the platforms interoperability. The quality, compatibility and coherence of the data issuing from so many sources, is assured by the adoption of standardized methodologies for data checking, by dedicating part of the activities to training and preparation of synthesized regional and global statistical products from the most comprehensive in-situ data sets made available by the SeaDataNet partners. Data, value added products and dictionaries serve wide uses: e.g. research, model initialisation, industrial projects, teaching, marine environmental assessment.

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

Collezioni in questa sotto-comunità

SeaDataNet Community Practices [13]



SDC contribution for standards and best practices

5 SDN/SDN standards are internationally recognised and recommended by IOCE-IODE (see Sissy's presentation done during the steering group meeting for more details). The SDN controlled vocabularies standard has been published in the [IOC Manual and Guides No. 54 Volume](#).



Links with other projects and cooperations

Projects:

SDN collaborates with data, common standards and procedures to different projects such as

EMODnet, CMEMS, ENVRI-FAIR, EUROFLEETS2, AtlantOS, MARINERG-i, Blue Cloud, Phidias and B-Blue

International cooperations: EuroGOOS, ICES, IOC-IODE, GOOS, GEOSS

Contribution to the European Open Science Cloud (EOSC) challenge and the Marine Strategy Framework Directive (MSFD)

Projects/Infrastructures	Contributions
Copernicus Marine Environmental Monitoring Services (CMEMS)	providing long-term archives and standards
Marine Strategy Framework Directive (MSFD)	providing infrastructure, standards and data collections for several indicators
GEOSS - EuroGEOSS	feeding GEOSS portal with SeaDataNet in-situ data collections from large community of European data holders (> 110 data centres; >600 data originators)
Large ocean monitoring systems (EuroGOOS, AtlantOS, Euro-ARGO, JERICO-Next, EuroFleets, ..)	providing standards and validation + long-term archiving services



Projects/Infrastructures	Contributions
European Open Science Cloud (EOSC)	Blue Cloud project
European Marine Observation and Data Network (EMODnet)	driving and serving many EMODnet thematic portals. In particular the EMODnet portals Physics, Chemistry and Bathymetry use standards and/or the SeaDataCloud data access mechanism and give access to datasets hosted by SeaDataCloud and develop products using that data



Links with other infrastructures

MoU between SeaDataNet and CMEMS (Copernicus Marine Environmental Monitoring Service) was signed by IFREMER and MARIS for collaboration and data exchange (04/05/2018)



International conferences

7 on-line presentations for SDN/SDC and progress on standards and 1 for EMODNet Bathymetry that uses the same standards

Informatics in Oceanography and Ocean Science (ESSI 1.1) (chaired by Simona Simoncelli, Antonio Novellino and Cristian Munoz)

4/05/2020, **Delivering marine data from the cloud using the SeaDataCloud Discovery and Access service**, Peter Thijsse, Michele Fichaut, Dick M.A. Schaap,

Enhancing SeaDataNet e-infrastructure for ocean and marine data, new opportunities and challenges to foster data re-use, Leda Pecci, Michele Fichaut, and Dick Schaap

International conferences

EMODnet Bathymetry – further developing a high resolution digital bathymetry for European seas, Dick M. A. Schaap Thierry Schmitt

Speeding-up data analysis: DIVAnd interpolation tool in the Virtual Research Environment, Charles Troupin, Alexander Barth, Merret Buurman, Sebastian Mieruch, Léo Bruvry Lagadec, Themis Zamani, and Peter Thijsse



International conferences

Session ESSI2.11 Earth/Environmental Science
Applications on HPC and Cloud Infrastructures

A Web-Based Virtual Research Environment for Marine Data, Merret Buurman, Sebastian Mieruch, Alexander Barth, Charles Troupin, Peter Thijsse, Themis Zamani, and Naranyan Krishnan

Session EOS4.4, (Science to Action: Communication of Science - Practice, Research and Reflection)

The communication and the organization of events in a scientific multidisciplinary community: the SeaDataNet experience, Leda Pecci, Michele Fichaut, Dick Schaap,



International conferences

Session OS4.1 Open session on ocean processes and techniques

Exploiting SeaDataCloud Temperature and Salinity time series data collections and comparing with Copernicus - a novel approach with SOURCE tool, Paolo Oliveri, Simona Simoncelli, Pierluigi Di Pietro, Sara Durante,

Session OS4.5 Ocean Remote Sensing

The European HF Radar Node: focal point to promote land-based remote sensing of coastal surface currents and its applications, Lorenzo Corgnati, Carlo Mantovani, Anna Rubio, Julien Mader, Emma Reyes, Jose Luis Asensio Igoa, Antonio Novellino, Patrick Gorringe and Annalisa Griffa

Presentations at workshops

Bologna– 27-30 January 2020

Consistency analysis of DIVAnd output with reference products, Diva Workshop, Simona Simoncelli

Multi Year Products and Ocean Monitoring Indicators: an overview for products consistency analysis and new data products generation, Simona Simoncelli

Diva Workshop – 27-30 January 2020

Presentations at workshops

New data products: how to use DIVAnd to produce sliding decades and derived information, Charles Troupin

New data products: how to use DIVAnd to produce sliding decades and derived information, Charles Troupin

Introduction to Objective Analysis, Optimal Interpolation, and Variational Objective Analysis, Alexander Barth

Basic Julia commands and major differences with MATLAB and Python, Alexander Barth

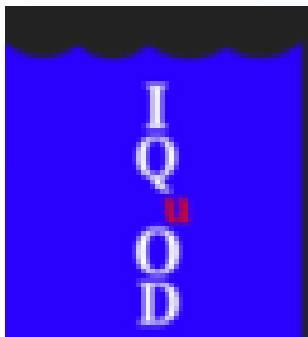
Diva Workshop – 27-30 January 2020



Presentations at workshops

29-31th October 2019, Michèle Fichaut and SeaDataNet Consortium - **SeaDataNet, Further developing the SeaDataNet pan-European infrastructure for marine and ocean data management** - IQUOD Workshop - Brest, France

29-31th October 2019, S. Simoncelli and WP11 Team - **SeaDataCloud products and link with IQuod** - IQuod Workshop - Brest, France



International Quality controlled
Ocean Database

Presentations at workshops

16 January 2020, **Gaudin François (CNRS)** - Les données marines d'observation de la source à l'océan - Les intermèdes OASU (CNRS/Université de Bordeaux/INRAE/Université de La Rochelle), Pessac, France

18-19 February 2020, **Mark Hebden (BODC)** - **Data infrastructures: European and Global** - EU-Interreg COMPASS project workshop - in Liverpool, United Kingdom

Alexander Barth, Charles Troupin, Emma Reyes, Aida Alvera-Azcárate, Jean-Marie Beckers, Joaquín Tintoré (2020) **Variational interpolation of high-frequency radar surface currents using DIVAnd**. Submitted to Ocean Dynamics but currently the manuscript is in revision.

Links with other projects

Antonio Novellino ETT

Date	Location	Type event	Short description and main expected outcomes
13-14/11/2019	S. Sebastian (Spain)	Workshop - HF RADAR TASK TEAM WORKSHOP	SeaDataCloud was one of the co-organizers of the WS. The meeting was open to all European HF Radar operators and looked for opening new challenges for the European Community around different work lines (Networking, Operations, Data Management, Applications, Governance).
13-15/11/2019	Paris (France)	H2020 SO-CHIC project KOM	EMODnet Physics, Ingestion facility and SDN were presented and are going to be the key endpoints for the project public data
27-29/11/2019	Brussels (Belgium)	H2020 EuroSEA project	EuroSEA data integrators are the key European infrastructures: CMEMS, SDN, EMODnet. The call to action is to promote data findability, accessibility, interoperability and reusability (FAIR)
04/02/2020	Genova, Italy	Meeting with DICCA – University of Genova	The meeting was organized to discuss about the use of EMODnet Physics and SDN data for validating and initiating the DICCA MFC models and the possibility to link and re-distribute the DICCA products (WIND and WAVE MED nowcast)

Links with other projects

13/11/2019	Presentation @SOCHIC KOM	Enable discovery, open access, view and download of the data generated and collected during the SO-CHIC project	SeaDataNet and EMODnet Physics and Data Ingestion facility were presented and are going to be the key endpoints for the project public data. – about 20 people
14/11/2019	Presentation @ HFR Workshop	Standardized Data Management (HFR)	Update on the HFR data management as defined to fulfil the needs of the key European data integrators and infrastructures – about 30 attenders
5/12/2019	Presentation @ MONGOOS	EMODnet Physics and it's pillars	Update on EMODnet Physics (and hence connection with SDN) to the MONGOOS community – about 60 people
13/02/2020	Oral presentation	Meeting with ARPAL (Regional Agency for Environment Protection)	EMODnet Physics, Ingestion and SDN were presented. We discussed on API to serve and support ARPAL activities and how to include 2 ARPAL wave stations (Capomele and Portofino) into the system.

Links with other projects EMODnet Physics

Date	Location	Type event	Short description and main expected outcomes
15-20/02/2020	San Diego, US	Ocean Sciences	Practical examples in SOOSmap, EMODnet Physics, SDN and other portals for how to make data sharing to work. Examples included research, teaching, public-private collaborations, and planning future fieldwork.

Date	Location	Type event	
21/11/2019	Helsinki (Finland)	Workshop on Marine Data during the 3rd Polar Forum	Part of an EMODNET presentation
4-5/12/2019	Trieste (Italy)	MONGOOS Annual Meeting and workshop	Part of an EMODNET presentation
17/01/2020	Web meeting	BOOS (Baltic Operational Oceanographic System) Steering Committee, web meeting	Direct communication
27-28/2020	Tromsö	Arctic ROOS (Regional Ocean Observing System) meeting	Direct communication
20/05/2020	On-line	Fishing for Data webinar, Patrick Gorringe, General introduction to European Data Aggregators	Part of an EMODNET presentation

Links with other projects or initiatives

Susanne Tamm (BSH) promoted SDN at DAM (Deutsche Allianz Meeresforschung), a national initiative started at 04.07.2019 (first phase is terminated at 31.12.2020)

Articles in e-journals

30/5/2020, [Leda Pecci](#), **Dati marini al servizio di ricerca e società**, **Villaggio globale** (Italian e-journal, <https://www.vglobale.it/2020/05/30/dati-marini-al-servizio-di-ricerca-e-societa/>)

ATTACCO AL MARE

CONOSCERE IL MARE

Dati marini al servizio di ricerca e società

Di **Leda Pecci** - 30 Maggio 2020

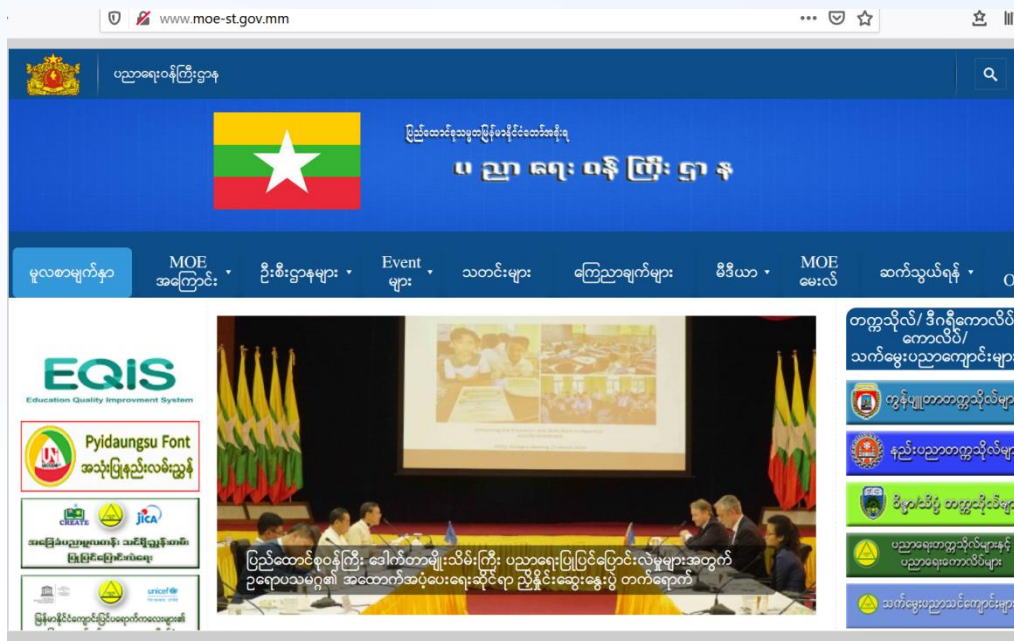
👁 3921

👍 Mi piace 23



One to one presentations

Tasks WP4.2



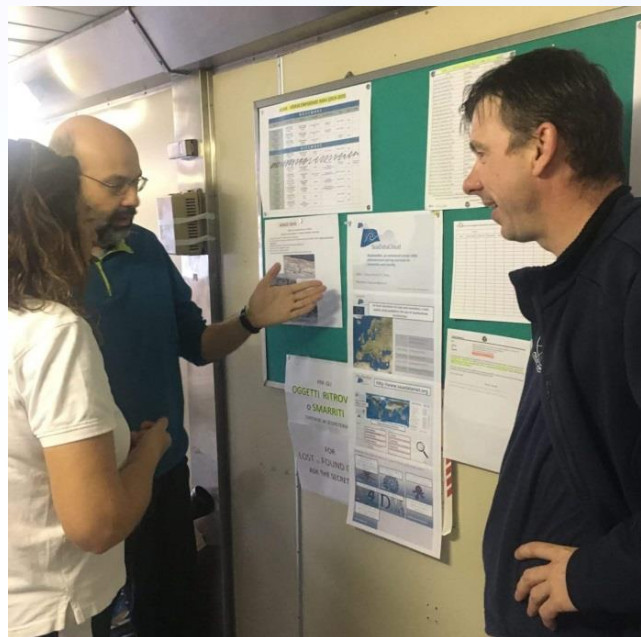
I presented the SeaDataNet infrastructure to Dr. Myo Thiha, Deputy Director of the Ministry of Education in Myanmar in November

One to one presentations

XXXV Expedition in the Antarctic Italian base



My colleagues Giancarlo Raiteri and Andrea Bordone have informed the Italian colleagues, at the Italian Antarctic base Mario Zucchelli, belonging from different universities and research institutes involved in marine research activities



One to one presentations



An average of 85 people comprising of researchers, technicians and military of the Armed Forces were in the Italian base for scientific purposes




Promotion/Dissemination

Tasks WP4.2

SeaDataCloud promoted through the networks partners and a range of other media:

- More than 100 presentations in different conferences, workshops, meetings and events
- 4 posters/leaflets
- 2 videos + many training video (user workshop-EMODNet Chemistry-IOC-IODE)
- 1 SeaDataCloud workshop at the EUDAT Conference
- 4 newsletters communicated to more than 5000 readers
- Organisation of two workshops for end users
- Messages on Twitter

Exploitation of results with fish farms community



The screenshot shows the website for the B-Blue Project. At the top, there are logos for Interreg Mediterranean and PANORAMED, followed by a row of ten circular icons representing various themes like environment, energy, and innovation. Below the navigation bar, the breadcrumb trail reads: Home > News & Events > News > B-BLUE PROJECT ON THE WAY. The main heading is 'B-BLUE PROJECT ON THE WAY' in large, bold, teal letters, with the date '30/06/2020' underneath. A text box contains an interview with Mr. Cristian Chiavetta from ENEA. Below this, a section titled '1. How would you define the main objective of your project?' is followed by a paragraph describing the project's goal: 'The overall objective of the project is the aggregation and coordination of the Med Blue Biotechnology (BBt) organisations and stakeholders in a transnational and multi-actor community to develop a multilateral coordination framework to support capacity building and innovation'.

Interreg Mediterranean PANORAMED

Home > News & Events > News > B-BLUE PROJECT ON THE WAY

B-BLUE PROJECT ON THE WAY

30/06/2020

The Strategic Projects on Innovation are progressively becoming a reality and the Communications Team of PANORAMED has been lucky enough to get a first exclusive interview with Mr Cristian Chiavetta from the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Lead Partner of B-Blue project, to discuss some of the key features and objectives of this upcoming initiative whose official approval is expected for early July.

1. How would you define the main objective of your project?

The overall objective of the project is the aggregation and coordination of the Med Blue Biotechnology (BBt) organisations and stakeholders in a transnational and multi-actor community to develop a multilateral coordination framework to support capacity building and innovation

In the B-Blue INTERREG Mediterranean project in which ENEA is the coordinator I have worked to achieve the promotion of SeaDataNet, as part of our wider mission.

Organisation of User workshops

1° SeaDataCloud User Workshop - Splinter Session



Vienna | Austria | 7-12 April 2019

2nd SeaDataCloud User Workshop held by Webinar
organised by OGS it was a success with >150
participants -- Videos are available

The SeaDataNet twitter account in April had **79 followers**, now has **131** followers, comprising of organisations, projects and researchers, mainly oceanographers and biologists

PROJECTS AND ORGANISATIONS

Euro-Argo ERIC
CLASS Project
NLA International
PHIDIAS-HPC
ChEESE CoE
EOSC Portal
EOSC Secretary

Blue-Cloud
Ocean from
Space
Ifremer
Deep Blue Globe
DIATEAM
Project
PLASMAR
GHER

EurOBIS
British
Oceanographic
Data Centre
NODC-IT
EU MSP Platform
Commissione
marittima europea
Integrated Marine
Observing
System

The tweet about Michele's presentation earned more than 700 impressions

Promoting the User Workshop

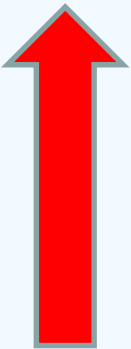
Number of impressions



SeaDataNet @SeaDataNet · Jun 26

Anyone interested in **#ocean #data** is invited to the “**#SeaDataCloud #Online User #Workshop**, Hi-Tech to High knowledge” WEBINAR. Registration and online attendance at the **#training** are free of charge. Workshop register link: tinyurl.com/yahuwkmt

1,050



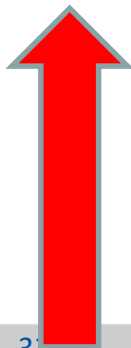
Promoting the Brokerage Service



SeaDataNet @SeaDataNet · Jun 9

#SeaDataCloud project announces the launch of a new service giving access to ocean data coming from all over the world. Discover the easiest way to access **#oceanographic #data** through the new **#SeaDataNet** Brokerage Service. Visit tinyurl.com/yby6c2yv pic.twitter.com/woHaa50vt2

967



Organisation of 2 editions of the conference

IMDIS 2018 - Barcelona, Spain, 5-7 November
2018 with 184 participants from 34 countries
worldwide



IMDIS 2021 - Amsterdam, 12-14 April 2021



sdn-userdesk@seadatanet.org – www.seadatanet.org



Promotional material

Some promotional material and gadgets will be prepared in view of the IMDIS conference but also to use them for events in which the ENVRI community is present and promotes SDN.

ENEA prepares with the collaboration of a specialised company a promotional video for the IMDIS conference, no longer than 1' and 20", to be distributed by the SDN portal, Twitter, the ENEA's YouTube Channel, the ENEA's Web TV and ENEA's Facebook account. In case the IMDIS conference will be held on-line we could have the chance to reach a great amount of potential end users.

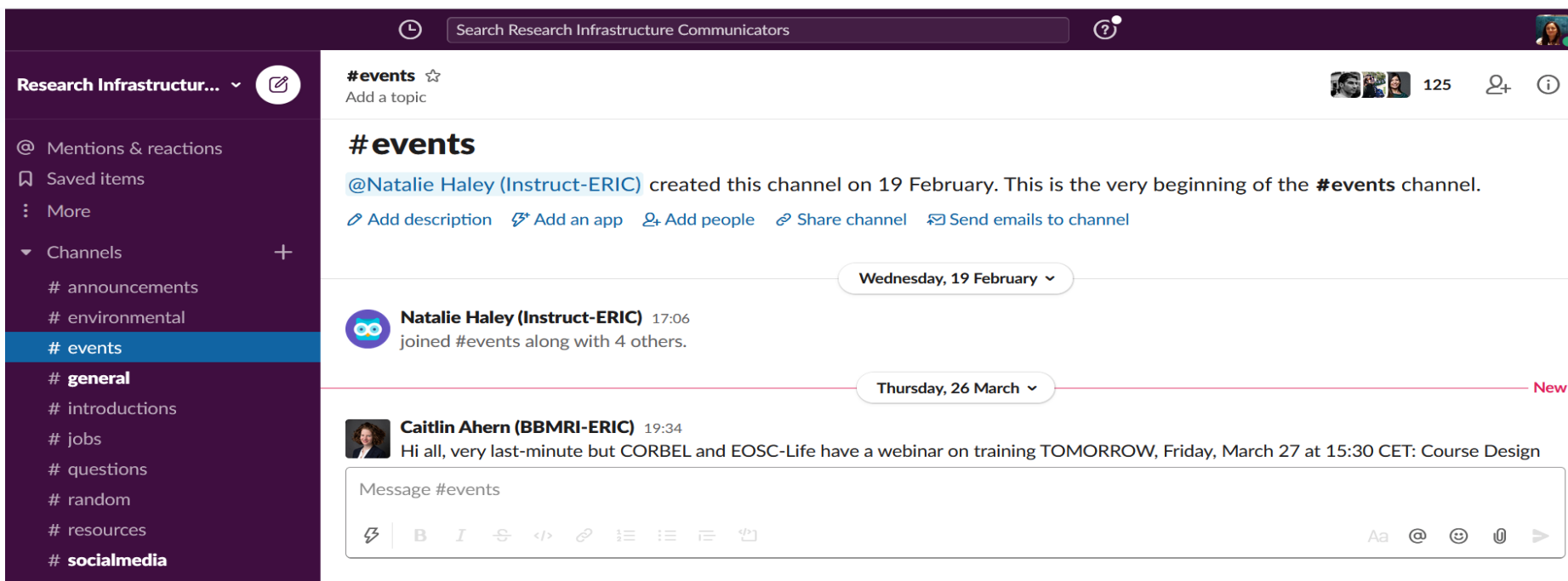
Increasing the SEO of the portal

SeaDataCloud has been promoted by the partners by adding a link to the SDN portal in their web sites in this way the **Search Engine Optimization of SeaDataNet web site** is increased

<p>DATI ON LINE</p>	 <p><u>Sistema Informativo INTERREG3B Posidonia</u></p>	 <p><u>Banche dati ambientali marine</u></p>	 <p><u>Portale oceanografia operativa</u></p>	 <p><u>Infrastruttura Europea SeaDataNet</u></p>
<p>OSSERVATORI AMBIENTALI MARINI</p>	 <p><u>Osservazione di relitti</u></p>	 <p><u>Monitoraggio meteo-marino nel Golfo di La Spezia</u></p>	 <p><u>Osservatorio ambientale nell'Area di Tutela Marina del Parco di Porto Venere</u></p>	


Collaboration with the ENVRI community

ENVRI community is very active in organising common solutions for Env. RI communication managers. At the beginning of this year they implemented a common communication channel with the Slack software. It is a virtual place for everything related to Research Infrastructure teams involved in the ENVRI community.



The screenshot shows a Slack interface for a channel named **#events**. The left sidebar lists various channels, with **#events** selected. The main area displays the channel's history, including a message from **Natalie Haley (Instruct-ERIC)** dated Wednesday, 19 February, and a message from **Caitlin Ahern (BBMRI-ERIC)** dated Thursday, 26 March. The interface includes a search bar at the top, a channel header with member avatars and count (125), and a message input area at the bottom.

Search Research Infrastructure Communicators




Research Infrastructur... 

@ Mentions & reactions
🔖 Saved items
⋮ More

▼ Channels +

- # announcements
- # environmental
- # events**
- # general
- # introductions
- # jobs
- # questions
- # random
- # resources
- # socialmedia

#events ☆
Add a topic


 125  

#events


[@Natalie Haley \(Instruct-ERIC\)](#) created this channel on 19 February. This is the very beginning of the **#events** channel.

[Add description](#) [Add an app](#) [Add people](#) [Share channel](#) [Send emails to channel](#)


Wednesday, 19 February

 **Natalie Haley (Instruct-ERIC)** 17:06
joined #events along with 4 others.

Thursday, 26 March New

 **Caitlin Ahern (BBMRI-ERIC)** 19:34
Hi all, very last-minute but CORBEL and EOSC-Life have a webinar on training TOMORROW, Friday, March 27 at 15:30 CET: Course Design

Message #events

 Aa @ 😊 📎 ➤