SeaDataNet

Working in Partnership with SeaDataNet

Michèle Fichaut, IFREMER, SeaDataCloud project coordinator

BODC 50th anniversary, Liverpool, 8 May 2019

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

What is SeaDataNet ?

A pan-European infrastructure set up and operated for managing marine and ocean data in cooperation with the NODCs and data focal points of 34 countries bordering the European seas

90s	Metadata directories Medar/MedAtlas
2002-2005	Sea-Search (FP5)
2006-2011	SeaDataNet (FP6)
2011-2015	SeaDataNet 2 (FP7)
2016-2020	SeaDataCloud (H2020)
2019-2023?	*SeaDataCloud 2 ?*

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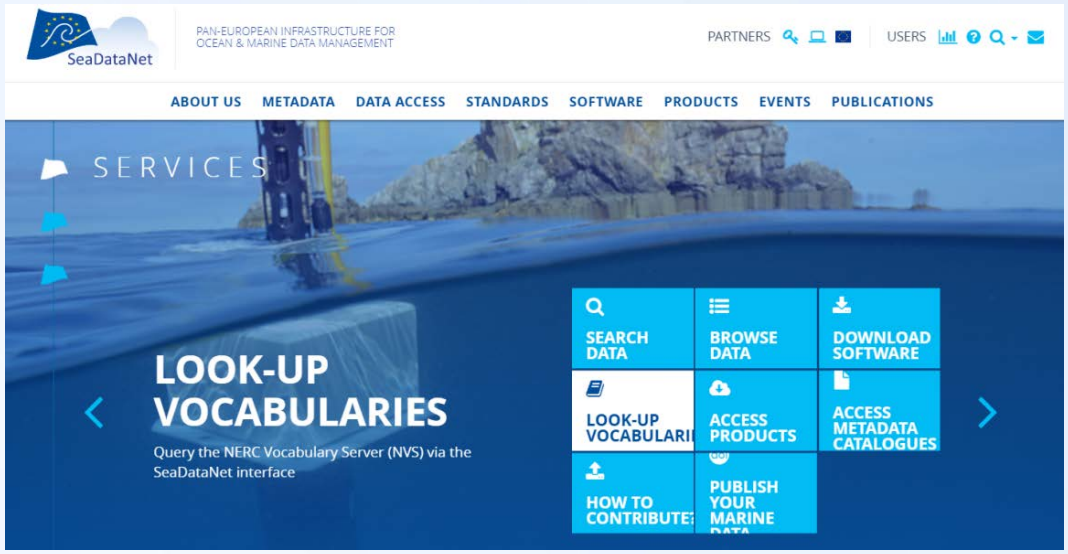
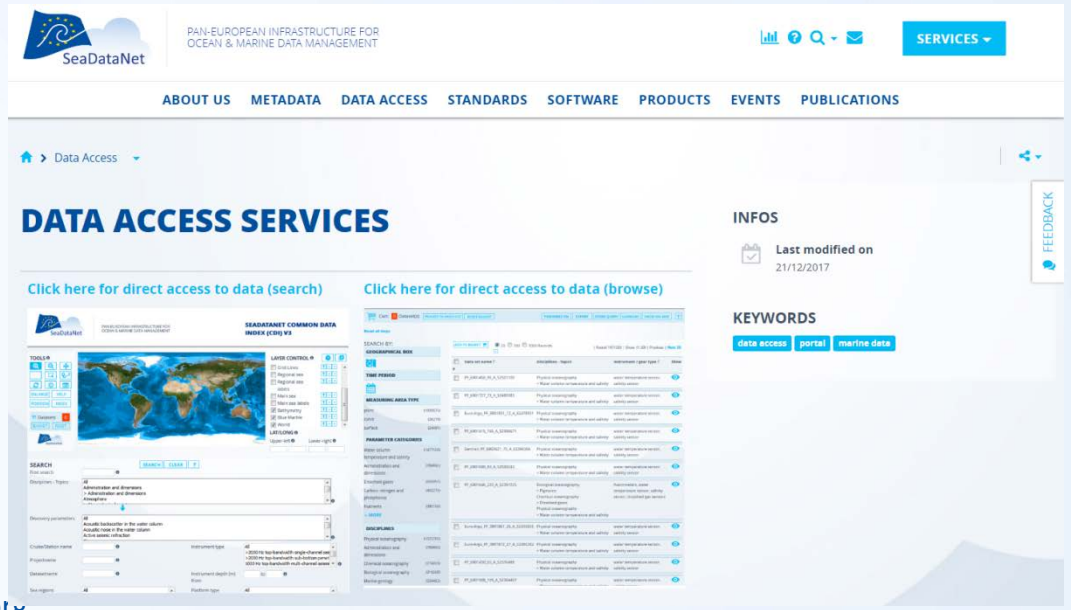
SeaDataNet portal

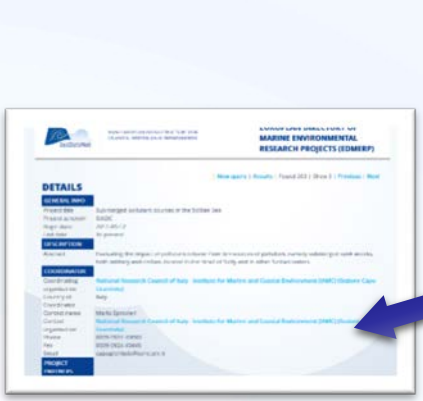
With access to

- Standards & vocabularies
- Software tools both for data centres and users
- Data
- Products



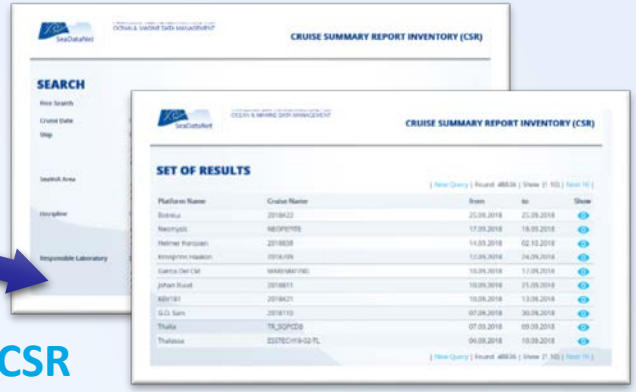


Metadata catalogues



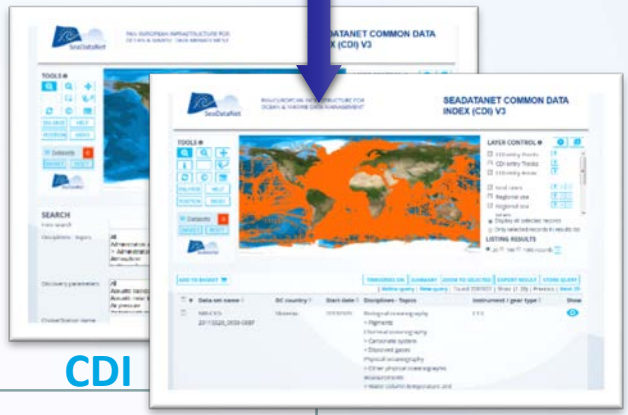
EDMERP
Projects

EDMO
Organisations



CSR
Cruises

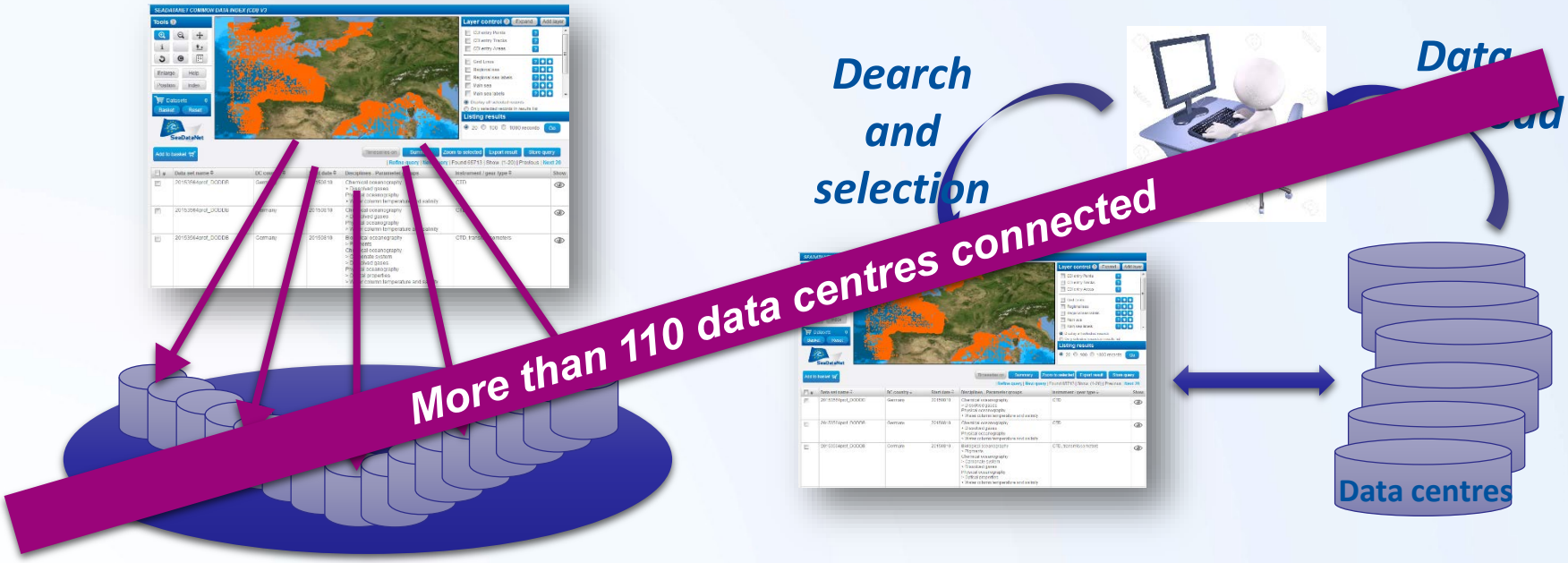
EDIOS
Observatories



CDI
Data

EDMED
Data sets

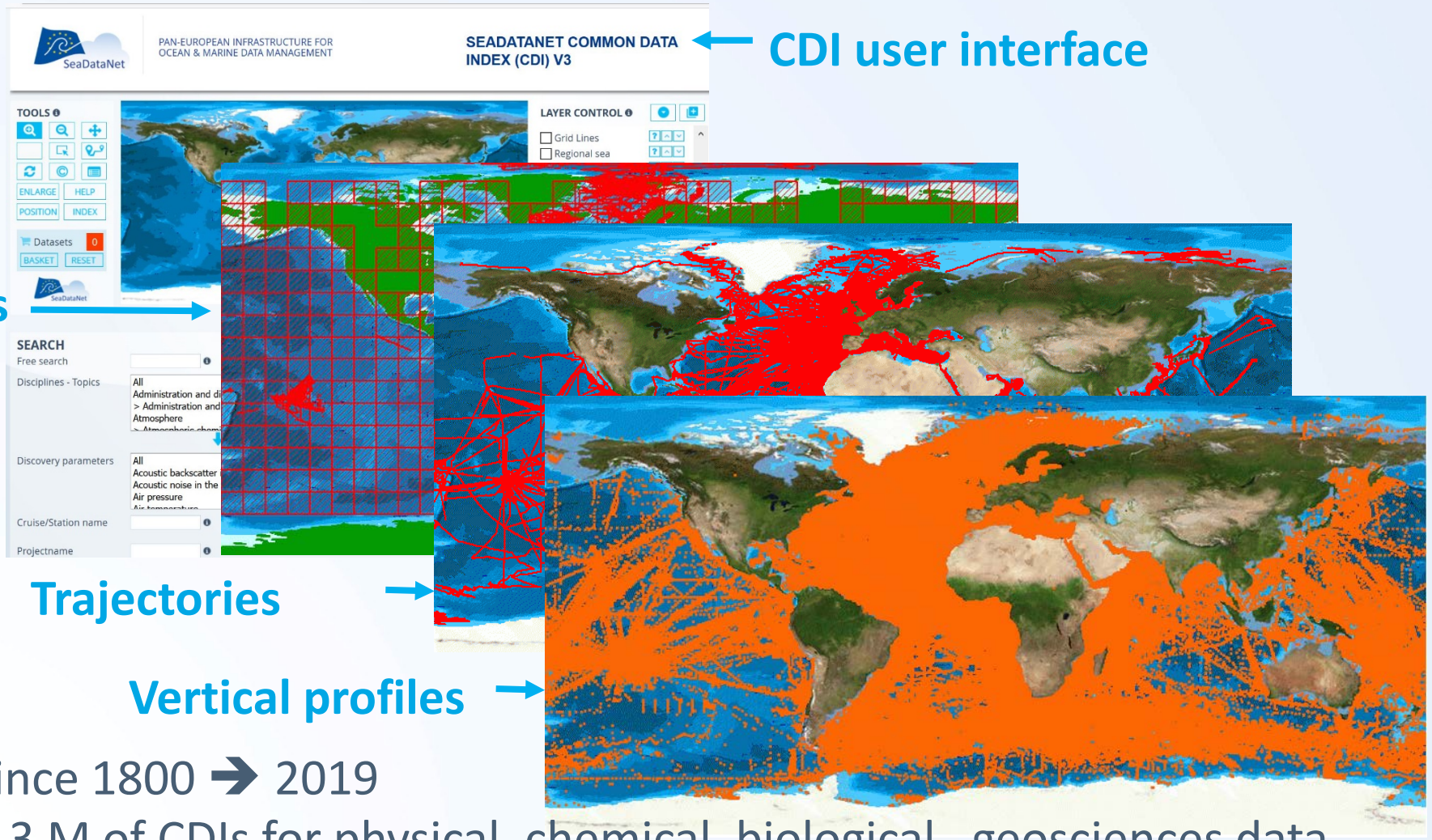
CDI catalogue: discovery and access to data



European data sources

Data centres ← ≈ 650 source laboratories

SeaDataNet



- since 1800 ➔ 2019
- 2.3 M of CDIs for physical, chemical, biological, geosciences data
- 89 % unrestricted data

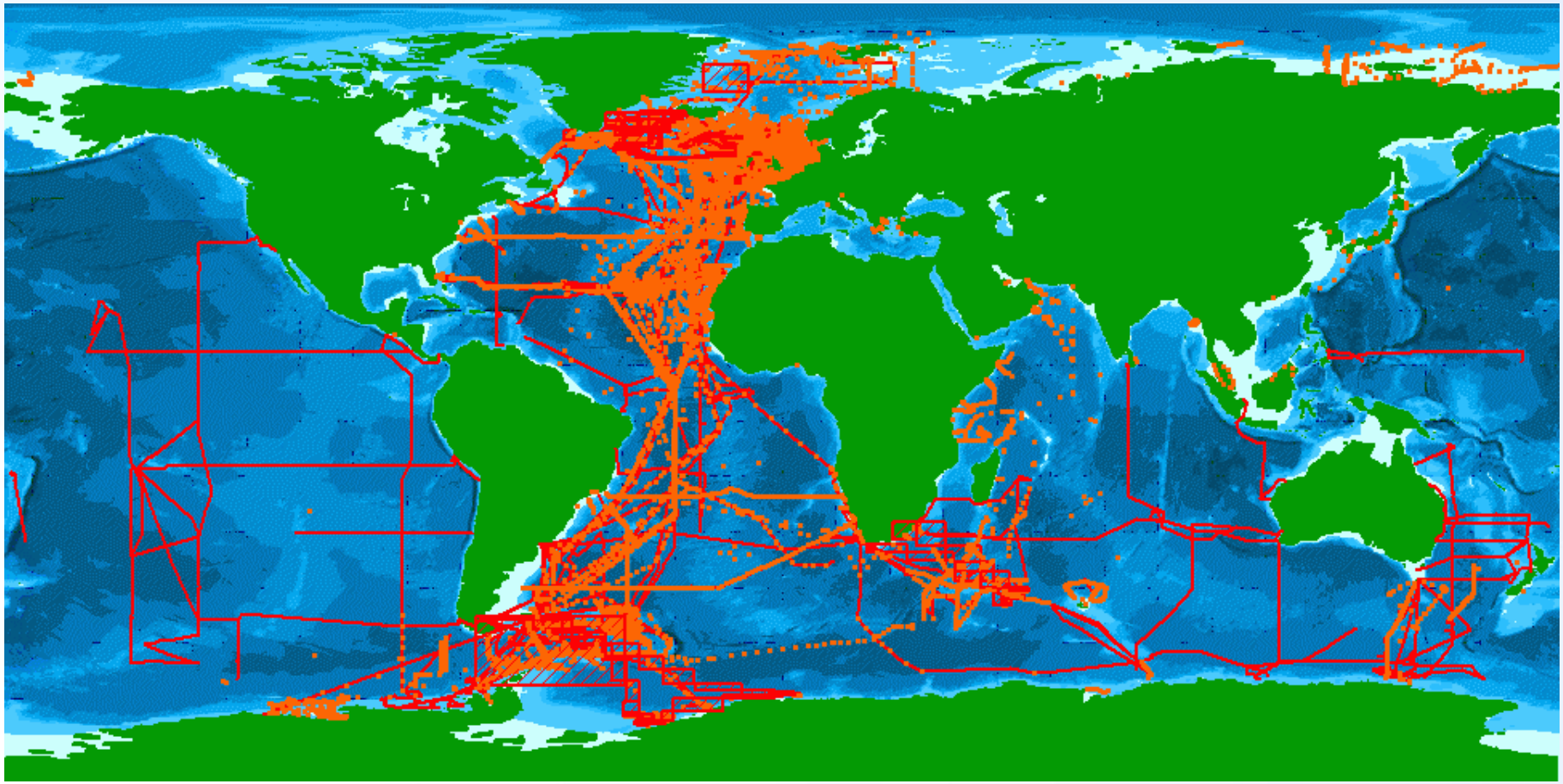
BODC and SDN

- Involved since the beginning (and before…)
- Core partner of the project
  - WP leader for the Governance of standards and development of common services
  - Management of the vocabularies
  - Definition of the common data transport formats
  - Management of 2 of the metadata catalogues of SeaDataNet : observatories (EDIOS) and datasets (EDMED)

BODC and SDN

- Member of the Steering Group and of the Technical task team of all the SDN projects
- Involved as trainer in all SDN training workshop sessions since 2007
- Member of the scientific committee of IMDIS conferences, in the review committee, and as chairs in IMDIS sessions

More than 125 000 CDIs issued by BODC in SDN



SeaDataNet vocabulary lists

- BODC develops and maintains
  - 111 SeaDataNet vocabulary lists leading to more than 86 000 terms
  - Web Services on top of the vocabularies
    - Vocabulary builder and browser: to search entries in the vocabulary and/or ask for the creation of new terms
    - Vocabulary editor: for advanced users to insert new or update existing entries

The vocabulary is a KEY COMPONENT of SeaDataNet infrastructure and is essential for interoperability

SeaDataNet vocabulary lists

- At each SeaDataNet training course, detailed presentation on the vocabulary and related tools has been done by BODC team. Data centres are trained, by BODC, to search terms in the vocabulary and to use the vocabulary tools. Video and training material are available online (Oceanteacher)

Alexandra Kokkinaki and James Ayliffe (BODC)

Tools:

- BODC Vocab Search
  - https://www.bodc.ac.uk/resources/vocabularies/vocabulary_search/
- BODC P01 search
  - https://www.bodc.ac.uk/resources/vocabularies/vocabulary_search/P01/
- BODC Vocab Builder
  - https://www.bodc.ac.uk/resources/vocabularies/vocabulary_builder/
- MARIS Vocab Hierarchical Search
  - http://seadatanet.maris2.nl/v_bodc_vocab_v2/vocab_relations.asp?lib=P08
- MARIS faceted search for P01
  - http://seadatanet.maris2.nl/bandit/browse_step.php

SeaDataCloud

SeaDataCloud First Training Course
Vocabulary Training Session

Alexandra Kokkinaki and James Ayliffe
(BODC)

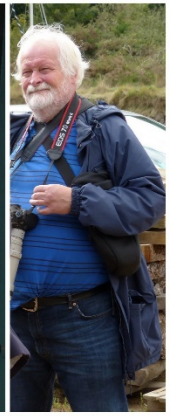
First Training, Ostend, 22nd - 27th June 2018
sdn-userdesk@seadatanet.org – www.seadatanet.org

Diapositiva 1

Google Slides

datanet.org

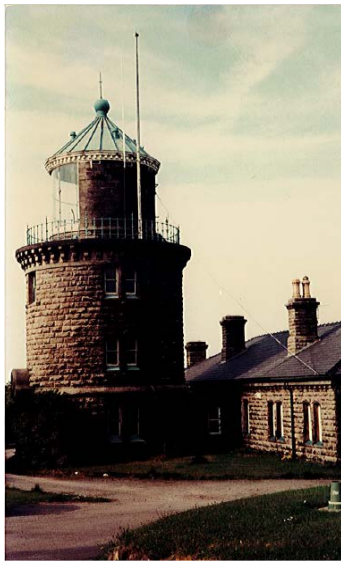
At the beginning of SDN

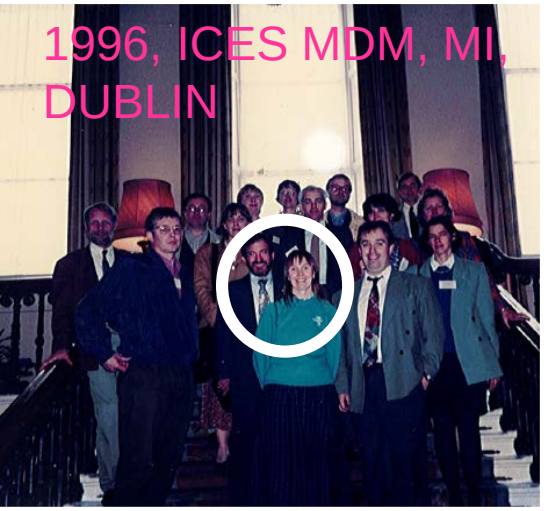


And then ….

Parc
Recerca
Biomèdica
Barcelona
upf.
Alex
Graham
Justin
Liz
Lou
Mark
Ray
…
Barcelona

Not to mention the ones who left ….





But, this story started well ahead of SeaDataNet

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Thanks!