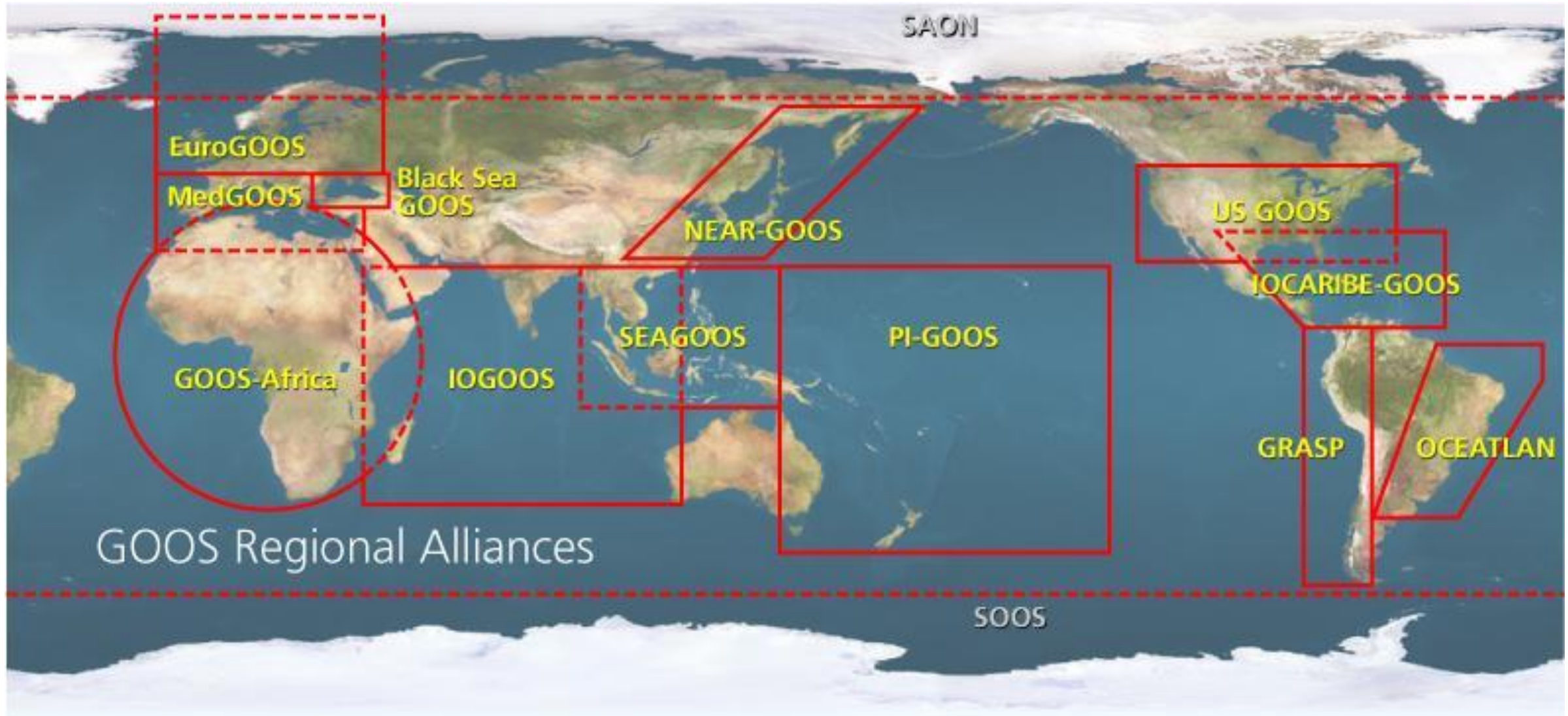


# Data Sharing in Ocean Observing Systems

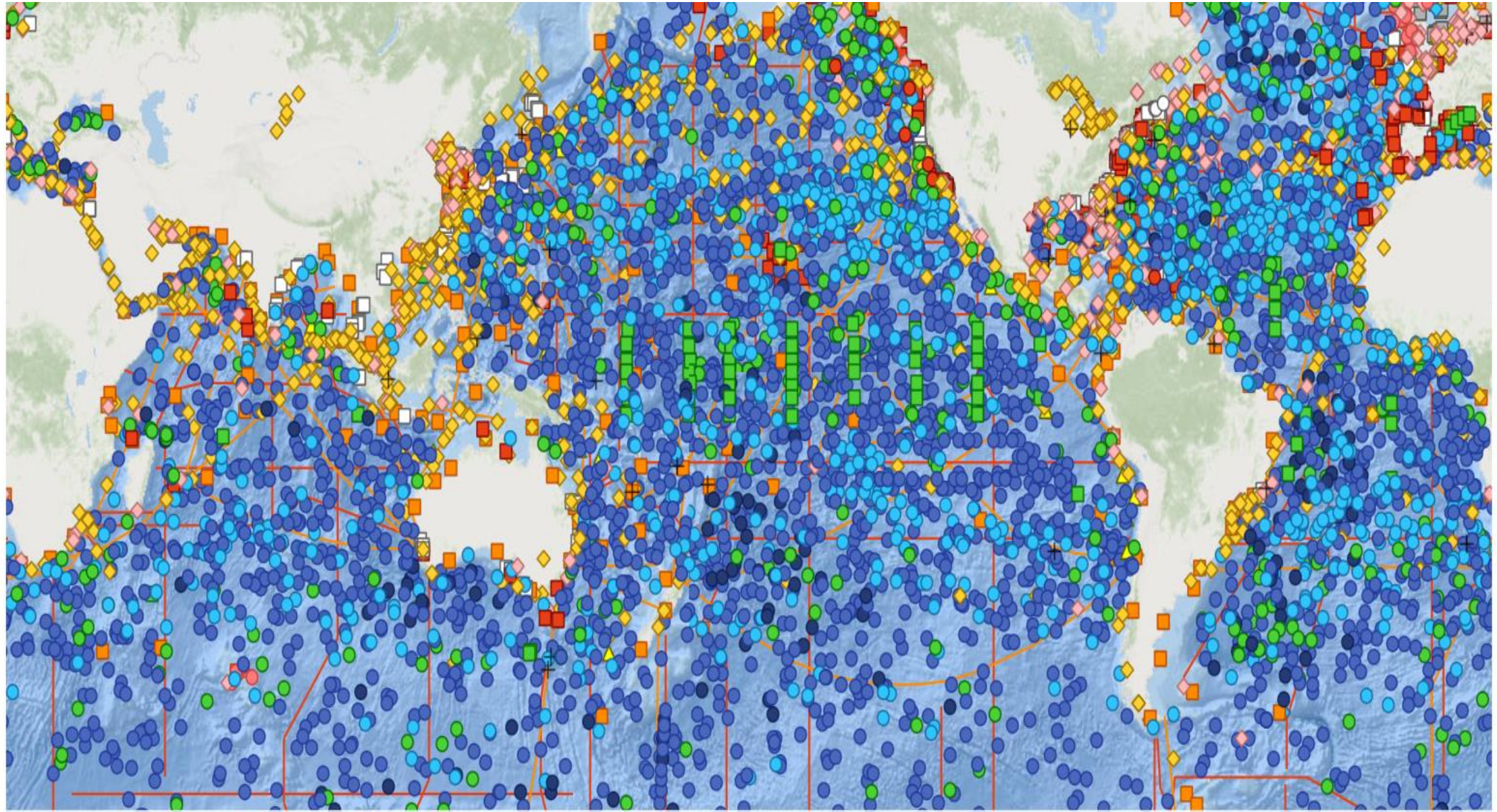
Pip Bricher

# Regional Ocean Observing

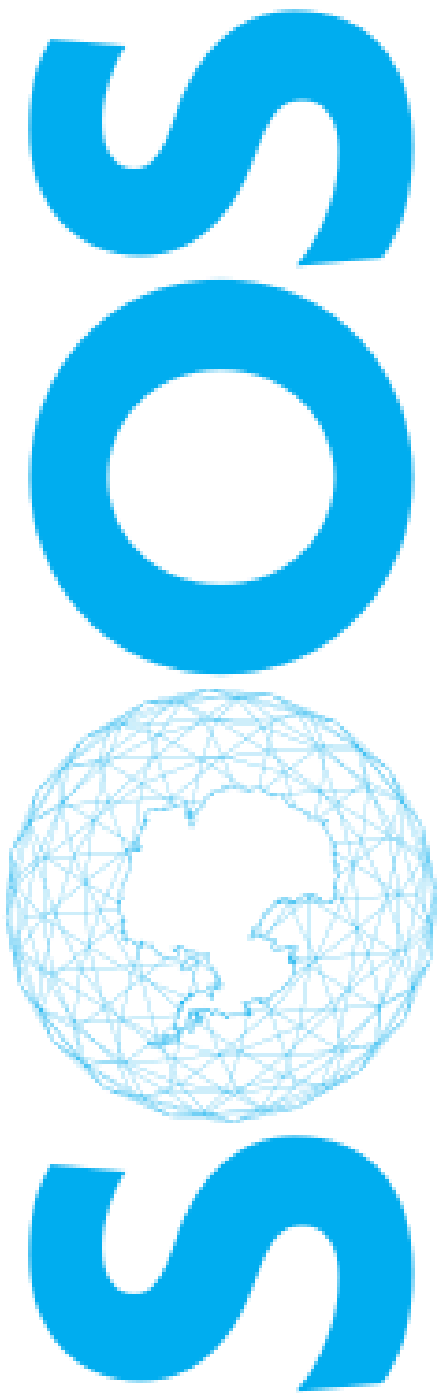




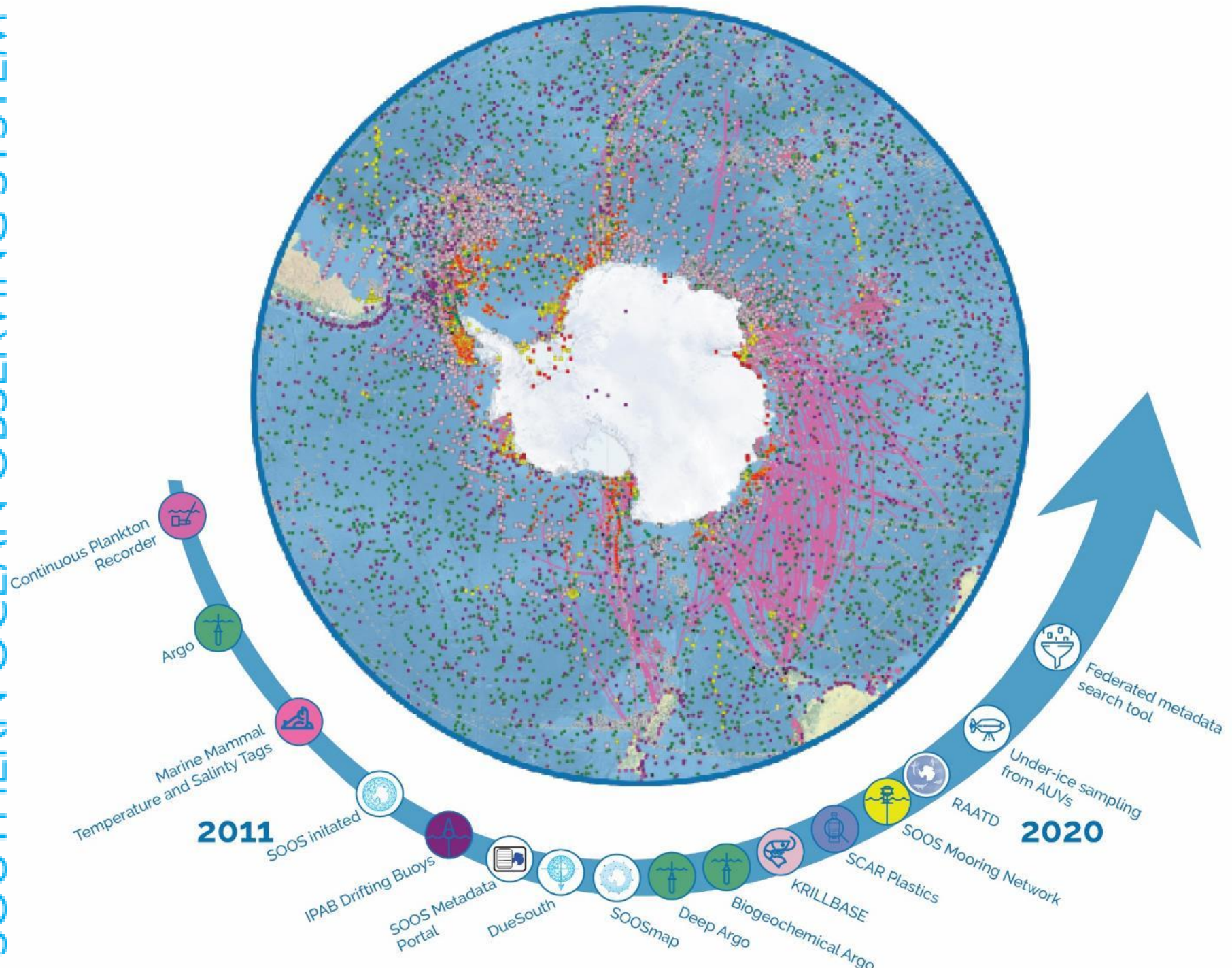
<https://www.ocean-ops.org/board>





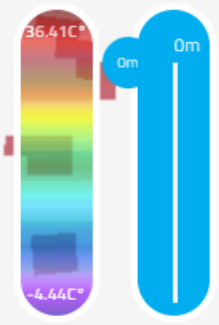


# SOUTHERN OCEAN OBSERVING SYSTEM









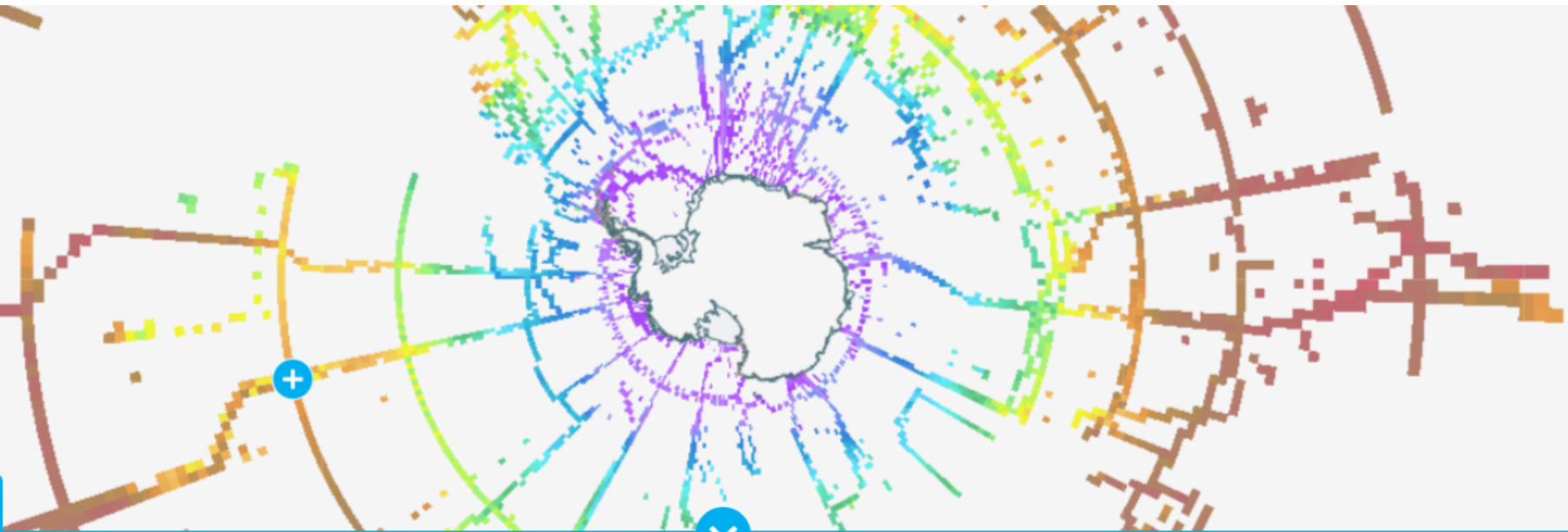
Datasets

Chart

Credits

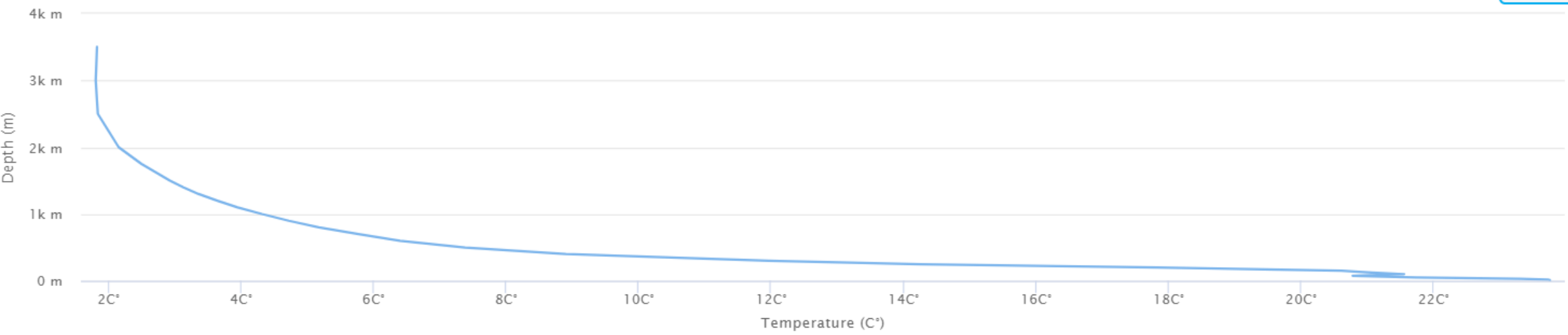


Leaflet



### Temperature

Elevation: 0



Depth Profiles

# FAIR



# FAIR assessments and dashboards

## Summary

2,786

datasets

The total number of publicly-available metadata records. Only the latest version of each metadata record is counted. A "dataset" here is defined by a single metadata record which may be packaged with one or more data files.

126 GB

of content

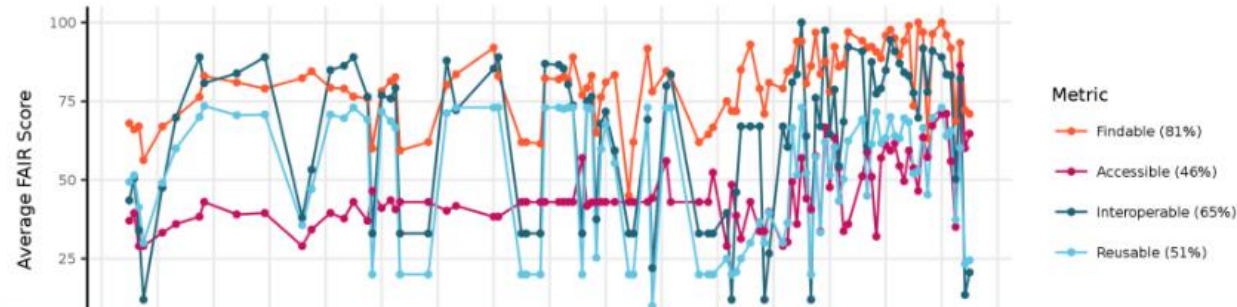
The volume of all publicly-available metadata and data files in this portal. Only the latest version of each file is included.

## Metadata Assessment

This graph shows the assessment score for all metadata in this portal, based on the [DataONE FAIR Suite](#). The FAIR suite evaluates metadata based on these criteria: Findable, Accessible, Interoperable, Reusable.

Each point represents the average score for that category across all the versions of datasets that were changed in that month.

DataONE FAIR Assessment





**T**



Transparency

**R**



Responsibility

**U**



User focus

**S**



Sustainability

**T**



Technology



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16+

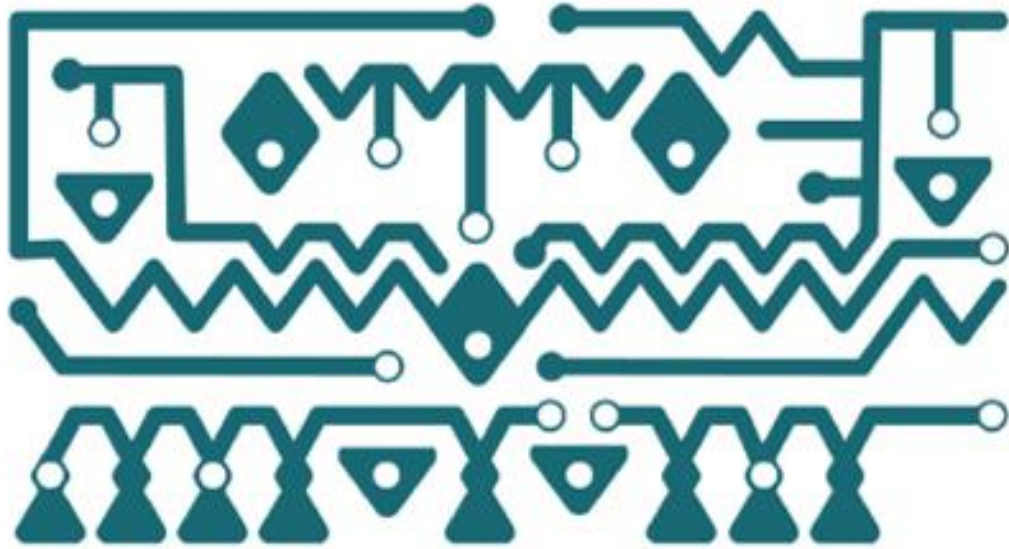
Requirements



160+

Certified Repositories





# CARE Principles for Indigenous Data Governance



All Fields Search OceanBestPractices Filter Options

ALL: BATHYMETRY Clear All Search Tips

All terms listed affect current search. Clear them to start a new search or add a second term and use the Boolean operators then displayed.

MORE ABOUT TAGS



Select View Tags on a search result to view keywords associated with that document and their relationships.

Home / Search OBPS Select All Download Citations 266 results SORT BY RELEVANCE

Seafloor Mapping Field Manual for Multibeam Sonar [Version 1]. [SUPERSEDED by DOI: http://dx.doi.org/10.25607/OBP-918]

Lucieer, V; Picard, K; Siwabessy, J; Jordan, A; Tran, M; Monk, J

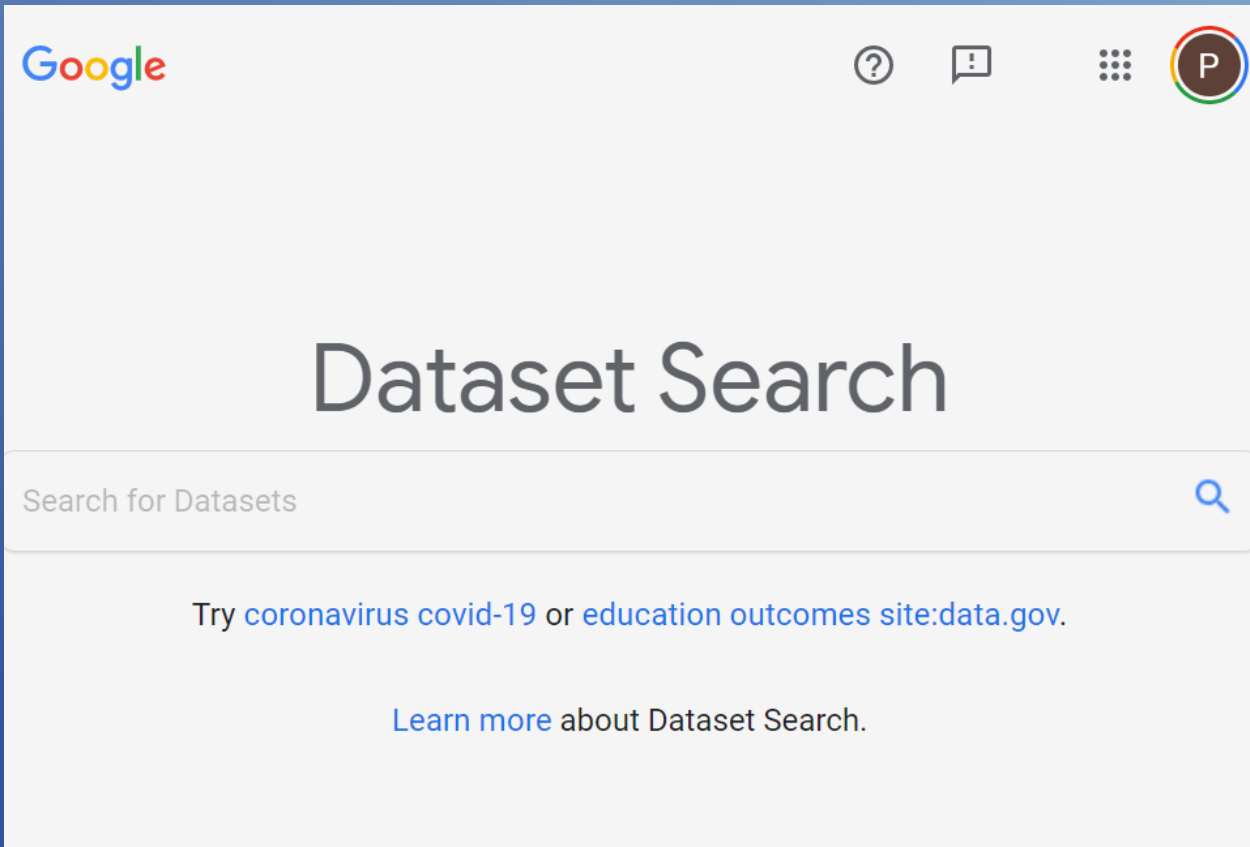
Platform Description Swath mapping systems use acoustic technology to collect data on the bathymetry... Typical multibeam echo sounder (MBES) data products include bathymetry (seafloor depth) as well as backscatter... Where possible the CUBE (Combined Uncertainty and Bathymetry Estimator) should be used to calculate the... Geomorphological analysis can be used to classify the multibeam bathymetry data and define the extents... surface grid bathymetry grids Data format: CSAR and xyz ASCII comma delimited (XY in specified...

View Tags Explore Document Generate Citation View Statistics





# Just Google it!



## POLDER Federated Search

[Home](#) [About](#)

Use any or all of the fields below to search for datasets about Earth's polar regions.

Search for text in titles, keywords, or other metadata:

Search for date ranges representing when data was collected:

Starting on or after:



Ending on or after:



Starting on or before:



Ending on or before:



Search

Clear

<https://search.polder.info/>

<https://datasetsearch.research.google.com/>

- Organization
- in Present
- in Past
- Its Complicated
- in Planning



<http://staging.arctic-data-ecosystem.apps.nsidc.org/harvest>



# Science on Schema.org (SOSO)



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## Schema.org Cluster



**What we do:** Using the core schema.org vocabulary, we develop domain-specific practices for publishing and harvesting structured Earth science data.

**Why we do it:** To support improved search and discovery of scientific resources on the web.



# Challenges for the future

- Transparency
- How to give credit when credit gets complicated
- How should bathymetry feed into OOS data systems?
- What data formats should data be made available in?

Thank you

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