





# The DAM/DataHUB portal and viewer:

How to improve the visibility of my data?

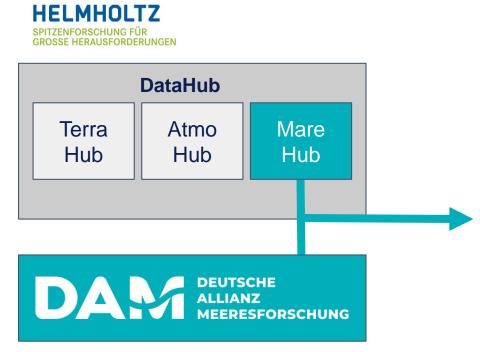
# The DAM/DataHUB portal and viewer:

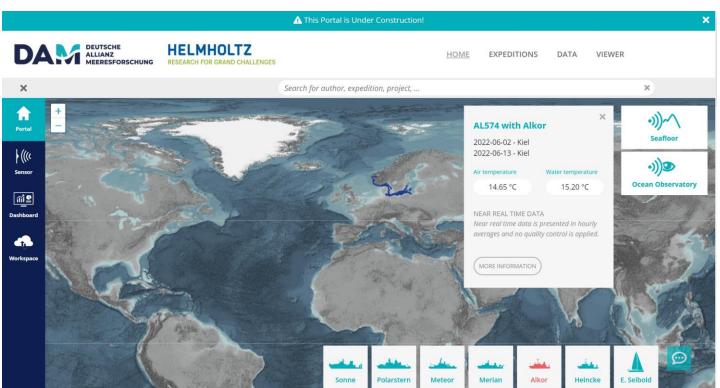
How to improve the visibility of my data?

#### **Outline**

- 1. Where does it come from?
- 2. What is the portal?
- 3. What is the viewer?Dataproducts in the viewer
- 4. Sum up

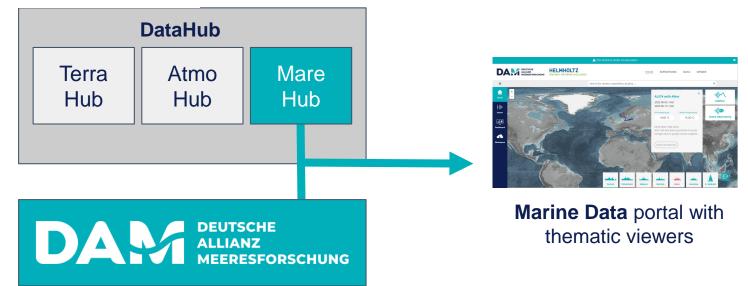
## 1. Where does it come from?





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#### MareHub & DAM working groups

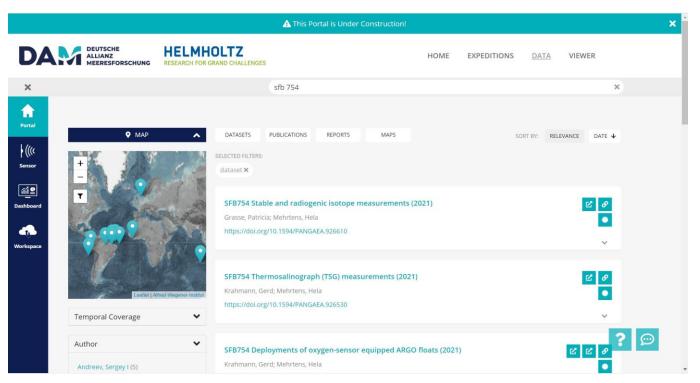
Ocean Observation	Raster Analytics
Seafloor	Video & Images
Bathymetry	Sample Management
Ocean Sound	Viewer & Portal

- The working groups represent scientific research areas and deliver requirements & data to the working group Viewer & Portal
- New features are presented and requirements are discussed in a regular jour fixe (every four weeks)
- Portal under construction, Feedback welcome

### 1. What is the portal?

Marine Data is a national cross-institute portal for finding, visualizing and downloading marine research data

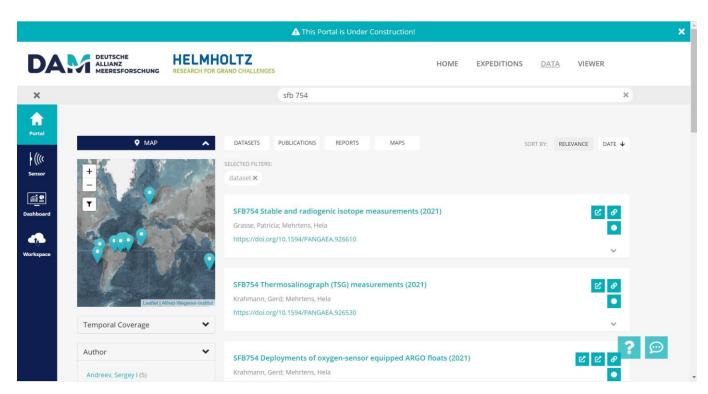
- enables scientists to search
   effectively through access to a big
   amount of data on a centralized entry
   point
- decentralized data storage → many data providers already connected (Pangaea, Oceanrep, HCDC, etc.)



marine-data.de

## 1. What is the portal?

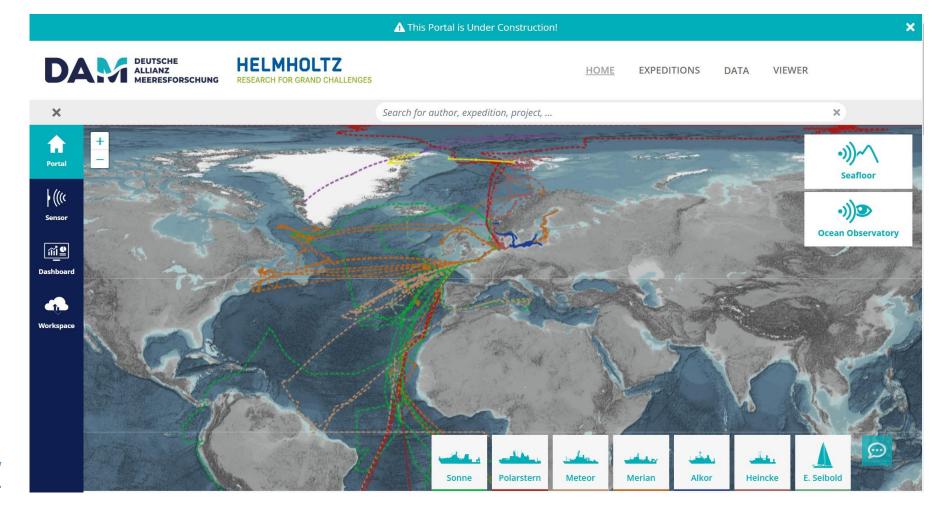
- Core Feature: Search engine for data and expeditions
- FAIR: Findable, Accessible
   Interoperable, Reusable
- Data portal offers free text search and various filter functions (e.g. spatial, temporal, authors, devices, platforms, etc)
- Map-based



https://marine-data.de

# 2. What is the portal?

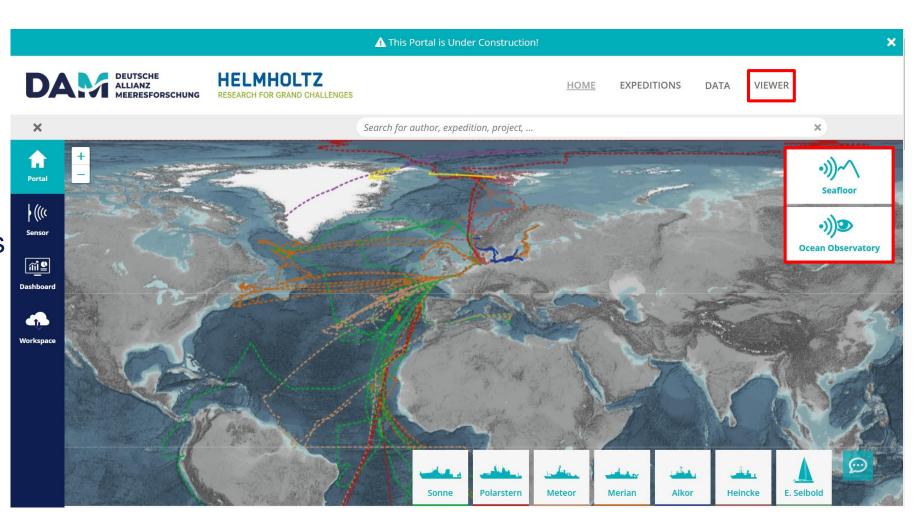
#### Sitemap /-structure



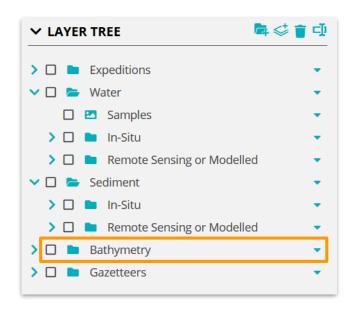
Live Demo
<a href="https://marine-data.de/">https://marine-data.de/</a>

### 3. What is the viewer?

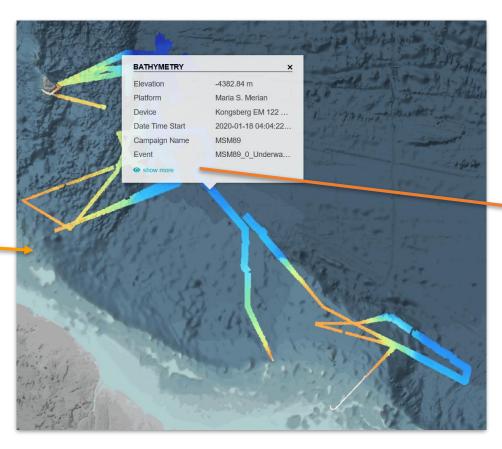
- Two viewer instances with individual configuration options
- Selection of curated data sets to explore



## 3. Viewer Data Products - Bathymetry



DAM underway research data (Anne Wölfel)

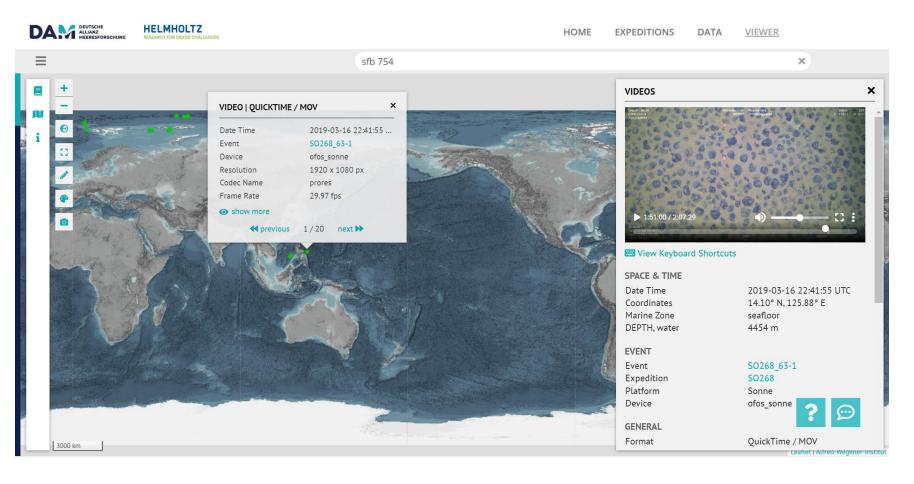


Clicking on the data opens a popup with measurement-specific metadata—including a reference to the source



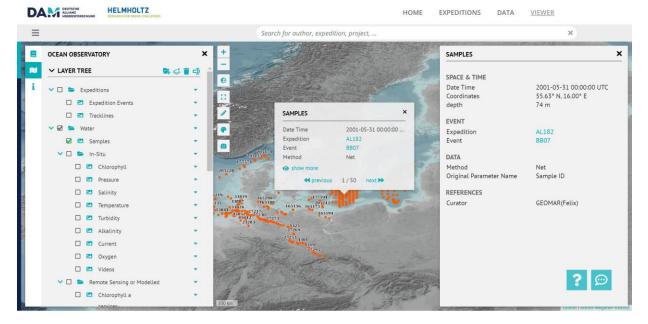
## 3. Viewer Data Products: Videos & Images

You can explore video and image data (e.g. OFOS) and directly play it in the viewer (Timm Schöning)

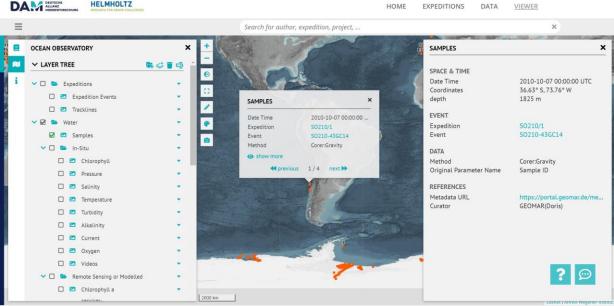


## Viewer Data Products: Bio & Geo Samples

#### Bio Samples – BIS (Jakob Eckstein, Felix Mittermayer)



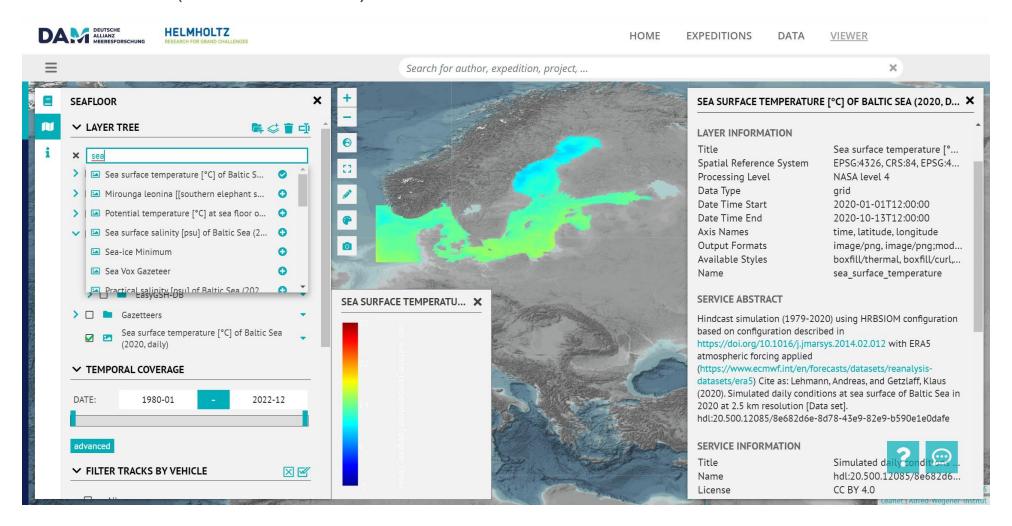
#### Geo Samples - CurationDIS



EXPEDITIONS DATA

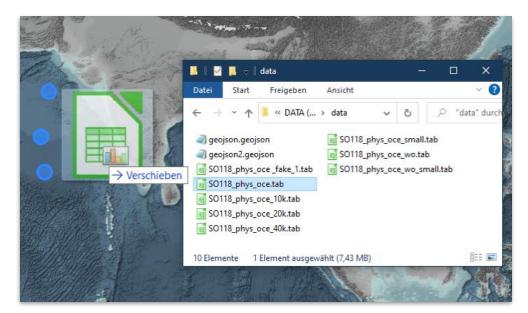
#### 3. Viewer Data Products: Model Data

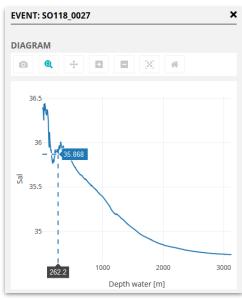
#### GEOMAR THREEDS (Klaus Getzlaff)



# 3. Viewer: Drag & Drop

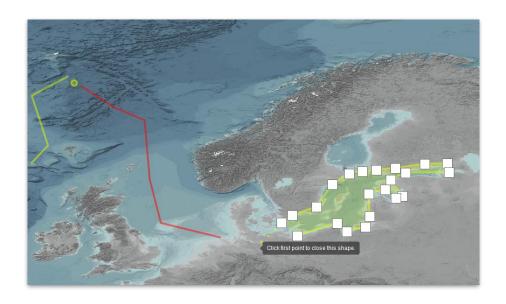
- Drag & drop of local\*.geojsonand \*.csv/\*.tab files
- Currently only for depth profiles
- Supports PANGAEA \*.tab format
- Includes simple graph visualizations



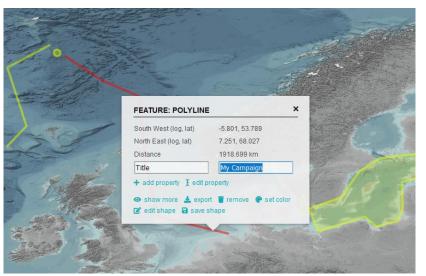


## 3. Viewer: Drag & Drop

The drawing tool allows drawing custom geometries in the viewer



Drawing directly on the map

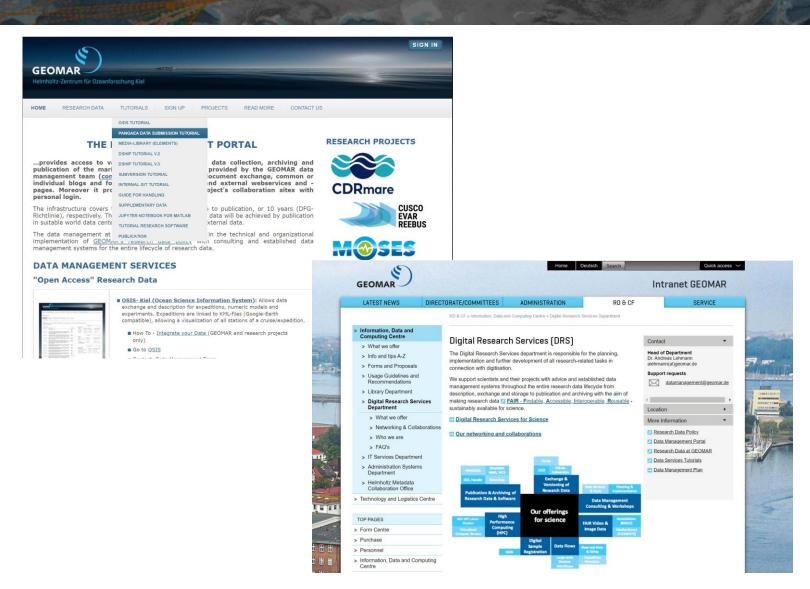


Adding annotations and exporting geometries

Planned Feature:
Cut out data and add
it to a "shopping cart"

#### Sum up: Your data – your visibility

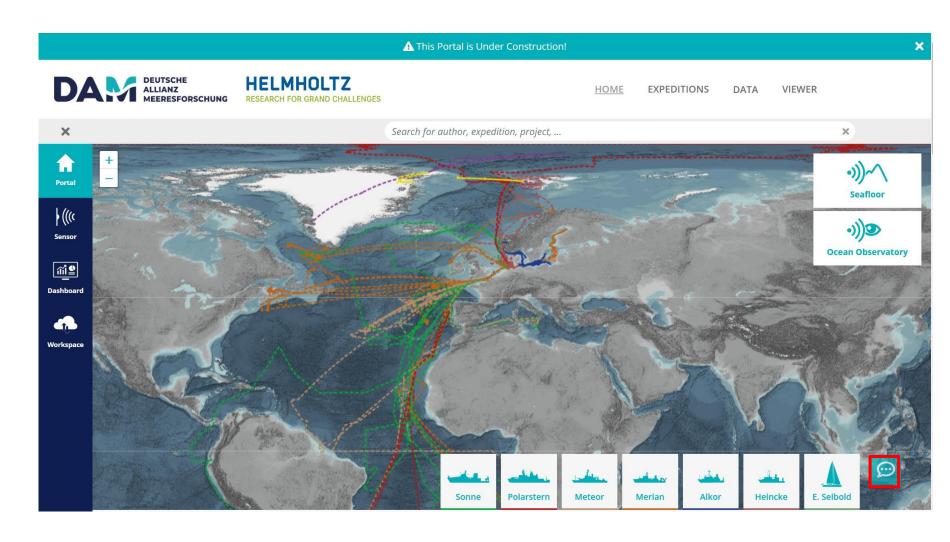
- → Publish your data in a recommended data repository:
- → follow the existing GEOMAR publication workflow Tutorials on GEOMAR- Portal Website: https://portal.geomar.de
- use the information on the internal website https://intranet.geomar.de/en/ze/idrz/digitalresearch-services-department/
- → add the necessary metadata to descripe your dataset and make it unique
- → your data sets are incoorperated automatically in the portal and on the longterm perspective in the viewer



## Sum up: Your data – your visibility

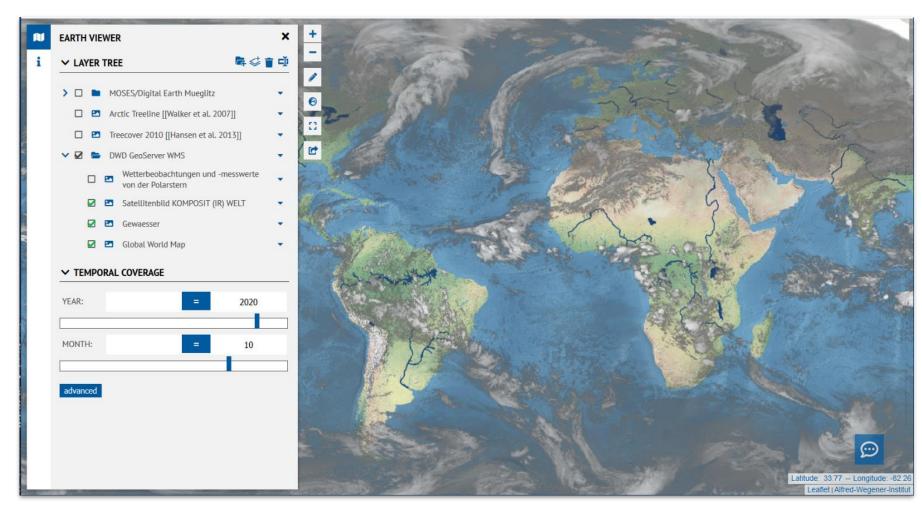
Explore the Marine Data Portal by yourself and use the Feedback button!

https://marine-data.de



#### **Outlook**

- Marine Data is under construction and will be developed further
- Technical infrastructure of Marine Data will be transfered to build a broader Earth Data Portal to visualsize terrestrial and atmospheric data from the DataHub context



The domain earth-data.de is already registered – currently redirects to Marine Data

