

Unified data access

17th GLOSS GOE

Unified data access

Motivation

- Current data organization and access is confusing and outmoded.
 - Users must navigate a complicated, distributed system.
 - It is challenging for users to (1) decide which dataset is appropriate for their intended application and (2) find where the relevant dataset is hosted.
- IOC has directed GLOSS to improve data access.

Unified data access

Goals and next steps

1. Create a single, unified data portal

- Linked ERDDAP servers hosted by each datacenter can serve as the backend
 - This will require all GLOSS data centers to agree and conform to a common metadata model.
- VLIZ has offered to develop the front end based on existing code
- NOC can embed the unified data portal into the existing GLOSS website or perhaps host it (per Andy).
 - Perhaps a simple link would do.
- The “host” GLOSS datacenter of any particular dataset should be opaque to the user.
 - Data originator, contributor, and host can be acknowledged in the meta data.

Unified data access

Goals and next steps

2. Reorganize and reclassify GLOSS data

- Replace descriptors like “delayed mode” and “fast delivery” with controlled language (e.g., Level-3, Level-2, etc.) that map onto quality control standards
- Each distinct time series (location, resolution, QC level) should appear **only once** across all data streams.
- Each resolution and QC level should be associated with specific applications
 - Applications should be communicated to users to guide data selection on the unified portal.