

Developing a data capture & sharing platform for Maine ocean data

Kaitlyn Raffier & Heather Leslie, University of Maine Darling Marine Center

If you have metadata

you would like to share,



What is the motivation?

· Poor data management inhibits scientific progress and applications of knowledge.

Marine labs host many investigators from multiple institutions, who have collected many different types of data over long periods of time. This exacerbates data challenges.

Oftentimes data are:

- unpublished and no one except one researcher on or off site knows it exists,
- buried in a file cabinet, and/or
- stored on a floppy disc or some other technology that has become obsolete.
- · Data repositories are digital data warehouses that allow people store and organize data. They can be a very useful tool in combatting some of these issues and also help meet funding agencies requirements for public access to research results.





What are our methods?

Research

- Conducting research on metadata literature
- · Learning about metadata languages and what terms are most widely used
- Exploring data repositories online to determine which repository fits the DMC's needs and how to become a

contributor

Social Science

Interviewing data managers, interns, and researchers at the DMC and other institutions Surveying researchers to better understand what data are being and have been collected

Assessing which repository is best fit for the data we are want to capture and share

Creation

Creating a template with the metadata variables we need to capture Creating a google form for metadata input in the near term, with a test planned for Fall 2018 Synthesizing the summer research and offering next steps to the DMC to develop a longterm repository for DMC and Maine ocean data

How can you contribute?

- Add your information at tinyurl.com/maineoceandata, or talk with one of us about the data and/or metadata you'd like to share. This will aid in development of a long-term repository for DMC and Maine ocean data.
- Contribute to the DMC node of the Northeastern Coastal Stations Alliance (NeCSA). NeCSA has a data management team (HL is the rep for the DMC) that is working to identify appropriate cross-institutional data management, sharing, and communication policies that the DMC and other marine labs can contribute to, long term.
- Talk with fellow researchers, students, citizen scientists, and other community partners about your data and how it can be used and shared in meaningful, user-friendly ways.

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