DataONE: Components of Successful Metadata Registry Frameworks

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Overview

- Data Observation Network for Earth (DataONE)
  ~ NSF DataNet
    • Initiatives to build cyberinfrastructures to develop a sustainable framework for science

- Goal of DataONE
  ~ open, persistent, robust, and secure access to well-described and easily discovered Earth observational data
DataONE:
Preservation and Metadata WG (PAM-WG)

- PAM-WG chairs
  ~ John Kunze, Associate Director, University of California
  ~ Jane Greenberg, director of the metadata research center

- Goal
  ~ Identify components of successful metadata registry frameworks

- Methods
  ~ Assess a sample of metadata registries and identify factors impacting registration success and limitations
Summer Plan

- Identify components of successful metadata registry frameworks:
  - Assessing existing registries and analyzing their functionalities
  - Communicating with registry developers and maintainers
  - Producing a list of features and processes crucial to successful metadata registration.

- Developing a prototype framework for a successful metadata registry
  - Promote metadata sharing, data discovery, and interoperability among member nodes
Thanks!

- https://notebooks.dataone.org/metadata-registry/
- http://www.dataone.org/