

# 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 analyze 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/>