DataONE

Delivering Post-graduate Research Data Management Training
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DataONE vision and approach

Enable new science and knowledge creation through universal access to data about life on earth and the environment that sustains it.

1. Build on existing cyberinfrastructure

2. Create new cyberinfrastructure

3. Support communities of practice
Three major components for a flexible, scalable, sustainable network:

**Member Nodes**
- Diverse institutions
- Serve local community
- Provide resources for managing their data
- Retain copies of data

**Coordinating Nodes**
- Retain complete metadata catalog
- Indexing for search
- Network-wide services
- Ensure content availability (preservation)
- Replication services

**Investigator Toolkit**
- Mendeley
- Veggbank
- Specify 6
- My experiment
- Excel (mac)
- Zotero
- Matlab
- Skalar
- Keplar
Training in all elements of the data life cycle

- Plan
- Collect
- Assure
- Describe
- Preserve
- Discover
- Integrate
- Analyze

Tools:
- DMPTool
- ONER
- MATLAB
- VT
- Kepler
- myexperiment
- DataONE
- Mendeley
- zotero
- ONEDrive

Software:
- Excel
- Mac OS X

Guidance and Resources for your Data Management Plan.
DataONE Education and Training

Summer Internships

Training at Conferences and Workshops

- Supercomputing 2011
- DataONE Implementation Workshop: Publishing data as a Member Node
- Ecological Society of America (ESA)
- American Geophysical Union (AGU)

Educational Modules

Graduate-level course

- Summer Institute for Environmental Informatics
On-line Education Modules

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Environmental Information Management (EIM) Institute

Graduate students biology, geology, ecology, or other environmental sciences, environmental engineering, geography or science librarianship

Conceptual and practical hands-on training to effectively design, manage, analyze, visualize, and preserve data and information:

• Managing data files
• Creating databases and web portals
• Data analysis and visualization
• Techniques for managing, analyzing, and visualizing geospatial data
Questions