10-9-2011

DataONE principles with CI/Executive Team Comments

Matthew Jones

William K. Michener
Ecological Research Center

Rough Draft - DataONE Principles

1. Data Observation Network for Earth (DataONE) is poised to be the foundation of new innovative environmental science through a distributed framework and sustainable cyberinfrastructure that meets the needs of science and society for open, persistent, robust, and secure access to well-described and easily discovered Earth observational data. DataONE is designed to increase the use and value of Earth science data and information.

2. DataONE acts as a facilitating, coordinating and advisory community-led organization to promote the use of Earth science data and information products.

3. DataONE transcends geographic, national and institutional boundaries.

    Can authentication be transnational [may be limited by local IT/policy in fulfilling requests]?

4. Participation in DataONE is open to any organization that has an interest in (Revisit-about nodes-organize principles in layers)

5. Access to DataONE services is based on transparent and non-discriminatory terms posted on the DataONE website.

6. DataONE maintains confidentiality of [user, personal] private information, confidentiality of data contained in DataONE (as specified by the data depositor), and confidentiality of depositor (personal information). [may be three separate statements]

7. DataONE maintains/ensures the integrity, authenticity and usability of digital objects it holds over time. DataONE acquires and ingests digital objects based upon stated criteria that correspond to its commitments and capabilities. DataONE commits to continuing maintenance of digital objects for identified community/communities. DataONE has a strategic program for preservation planning and action. DataONE has technical infrastructure adequate to continuing maintenance and security of its digital objects. DataONE creates and maintains requisite metadata about actions taken on digital objects during preservation as well as about the relevant production, access support, and usage process contexts before preservation. DataONE fulfills requisite dissemination requirements.

8. DataONE demonstrates organizational fitness to fulfill its commitments. DataONE will continue to evolve its governance, structure, and staffing to strengthen the ties between observations, research and applications.

9. DataONE acquires and maintains requisite contractual and legal rights and fulfills responsibilities.

10. DataONE promotes an effective and efficient policy framework for DataONE'S programs, services, and technologies.

11. DataONE promotes techniques to articulate and measure the socioeconomic value and benefit of Earth science data, information and applications.