In Brief: DataONE is a project funded by the NSF, focused on federating existing data repositories in the earth and environmental sciences. The infrastructure being built is complemented by educational and outreach activities which inform the community about data stewardship. With the Librarian Outreach Toolkit, we introduce librarians to the DataONE project and the resources and tools they can use to fill a relevant and timely need for their communities, framing the use of these resources and tools in the context of the data life cycle. DataONE resources include instructional materials on best practices for data management, a best practices database and software tools catalog, a research data management needs survey and assessment bibliography, and more. By participating in data management education and advocating for the use of best practices in data management, libraries and librarians can extend their historical mission of service and preservation for the academic community, and also promote best practices in data management to accomplish the aims of sharing, providing access to, and preserving data as effectively as possible. We also include in the toolkit information on how libraries and librarians can get involved with the DataONE community.

Toolkit Contents
www.dataone.org/for-librarians

One-page synopsis on data management
Primer for Librarians: An overview of DataONE
Ask DataONE: A community FAQ forum
CiteULike bibliography of needs assessments
DataONE Education Modules
Marketing materials
DMPTool talking points
DMP Resource round-up

How Libraries Can Participate
Advocate for Your Favorite Repository to Join DataONE
Contribute Q&A to ask.dataone.org
Join the DataONE Users Group

DataONE Data Management Resources

Bibliography of Research Data Needs Assessments
citeulike/RDMneeds

Education Modules
Lesson 01: Why Data Management
Lesson 02: Data Sharing
Lesson 03: Data Management Planning
Lesson 04: Data Entry and Manipulation
Lesson 05: Data Quality Control and Assurance
Lesson 06: Data Protection and Backups
Lesson 07: Metadata
Lesson 08: How to Write Good Quality Metadata
Lesson 09: Data Citation
Lesson 10: Analysis and Workflows

Software Tools Catalog
Descriptions of tools recommended for use by scientists and students, plus additional information and links to resources. Users can access tools within the database by selecting keywords or using free search.

Best Practices Database
Provides recommendations on how researchers can effectively work with their data through all stages of the data lifecycle.