Making Research Data More Accessible

What is the Dataverse Network Project?

Science in the Digital Age

- Raw Data (collect, store & analyze)
- Research computing facilities and domain specific databases
- Publications, Presentations & Grant Results
- Journals, Books, Reports, Web sites
- Final Data, Code & other Materials (Share, Cite & Archive)
- The Dataverse Network

The Dataverse Network is a web application for:

- Citing
- Preserving
- Analysing
- Sharing

→ Research Data

Key Benefits:
- Recognition, credit and control for data author
- Persistent citation between scholarly claims and data
- Central repository for archival and long-term access
- Validation of science through replication

Upcoming full support for FITS astronomy data files

Harvard-Smithsonian Center for Astrophysics (CFA)

Astronomy Dataverse Network

Harvard Library meets the Dataverse Networks

Harvard-Smithsonian affiliates deposit data

Projected impacts the OJS-DVN project

“...will increase the number of readily replicable articles published, and the number of social science journals that adopt best data management and citation practices. The broadest impacts of the project will be to increase the pace of discovery in the social sciences, and to broaden the research opportunities for younger scholars.”

- Gary King, IQSS Director and PI of Project

Up next for The Dataverse Network

- Expansion of the IQSS DVN to Harvard’s DVN to support other domains (medical, health, etc.)
- DOI support, in addition to the current Handle support for persistent identifiers
- Integration with Shibboleth for user authentication
- SWORD 2 compliant API to deposit research data seamlessly from Journals
- Full support for:
  - FITS astronomy data files
  - R files
- Integration with WorldMap to visualize geospatial data
- Support for archiving and sharing sensitive data
- New GUI for statistical analysis and subsetting of quantitative data sets, using Zelig statistical package

Social Science Dataverse Network

IQSS Dataverse Network Key Facts:

- Harvard affiliate and external researchers can deposit data
- Hosted by the IQSS libraries services
- Full data stewardship

Collaboration Key Facts:

- The Library/DVN project is the main solution offered at Harvard for publishing, sharing and citing research data.
- The Digital Scholarship Program at the Harvard Library, together with IQSS and research computing at Harvard, is developing other strategic projects aligned with the program’s goal to enable researchers with the necessary tools to manage research data. These projects will include:
  - Providing joint resources on the research data management cycle.
  - Confusing education of librarians and researchers in data management.
  - Joint advisory services to researchers about: storage, archiving, preservation and curation of research data.

Upcoming DVN integration with Harvard Library systems:

- DASH (Harvard’s IR): relate publications to research data
- Digital Repository Service (DRS): as a preservation backend
- DMP (when available)