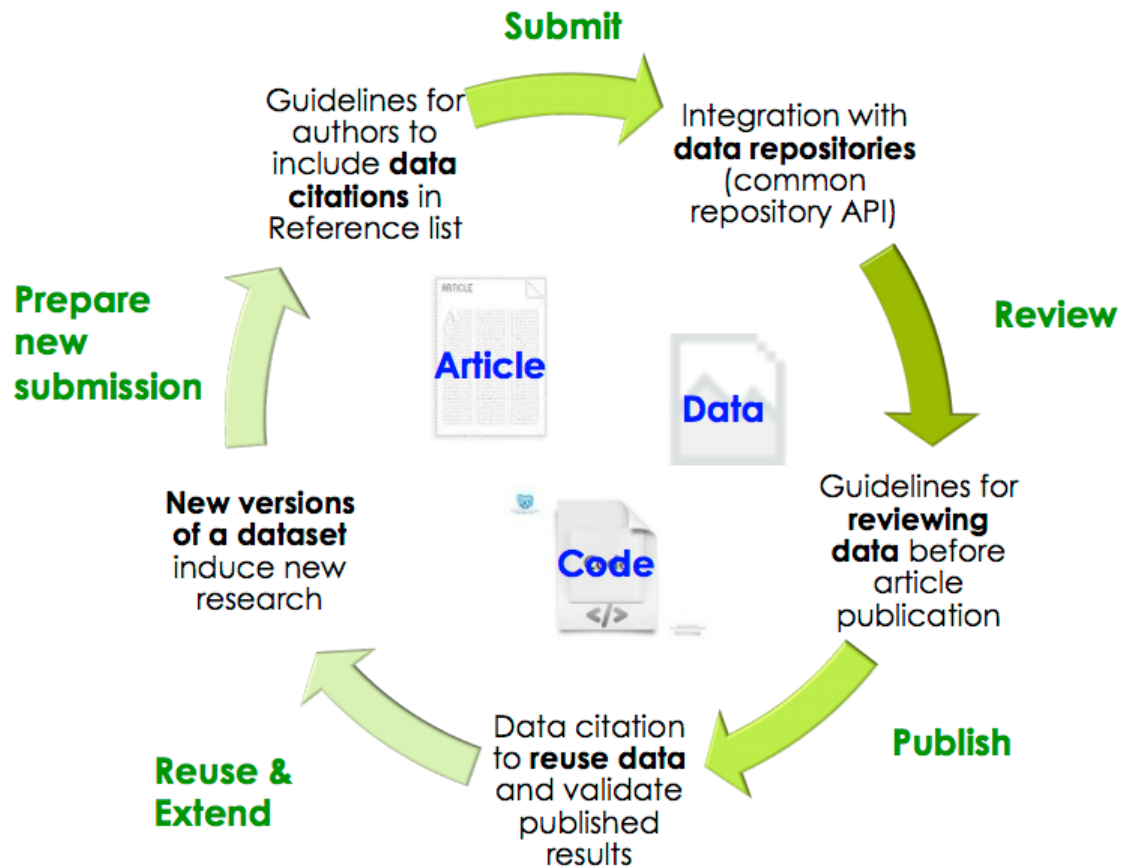


Integrating Automated Data Deposit into the Journal Publishing Workflow



Eleni Castro, Research Coordinator > IQSS

Harvard Digital Publishing Collaborative, 12/04/14

The
Dataverse
Project

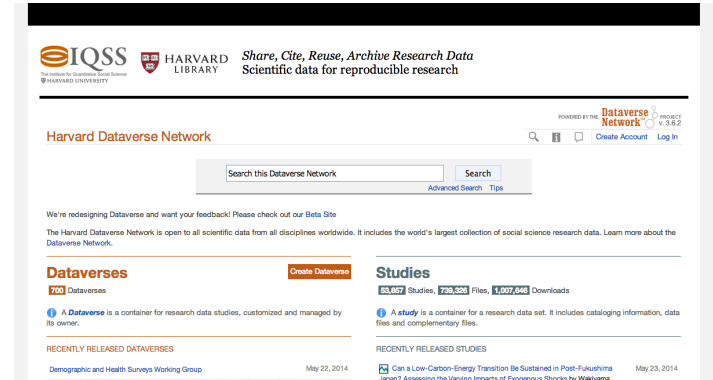
IQSS
The Institute for Quantitative Social Science
HARVARD UNIVERSITY

Introduction to Dataverse

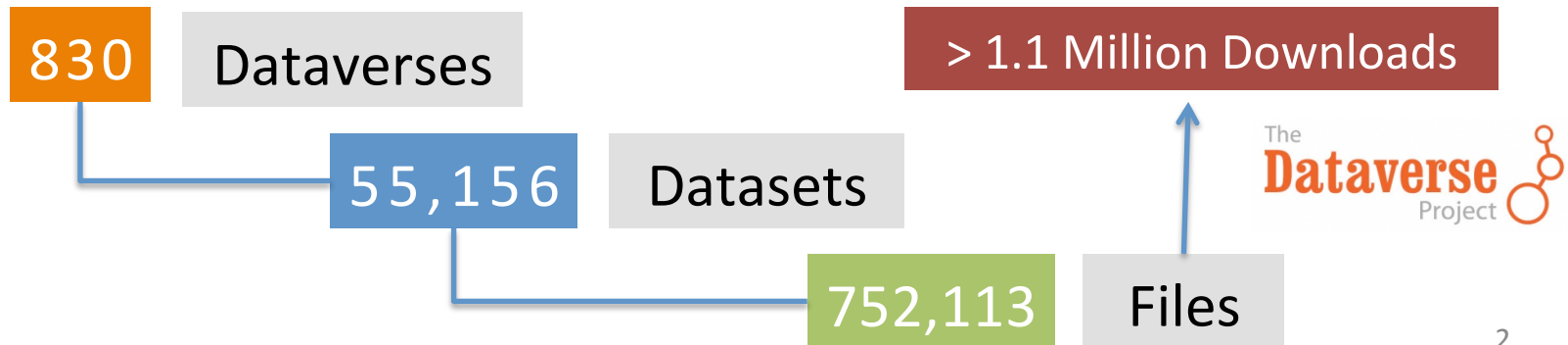
Software framework for publishing, citing and preserving research data (open source on [github](https://github.com) for others to install)

Provides incentives for researchers to share:

- Recognition & credit via **data citations**
- Control over data & branding
- Fulfill journal data availability and funder requirements.



Harvard Dataverse (open to all; repository instance at Harvard) currently has:



The Challenge w/ Sharing Data

At the **policy level**: journal data availability policies are not enough.



Ghergina & Katsanidou 2013 study: 18/120 Pol Sci + IR journals have a replication policy, yet replication “is essential for the evaluation of the quality of a piece of work.”



Journals may not be able to provide storage (Ishiyama 2014), long-term data management and preservation on their own.

Policy + Technology



Technology in **editorial software** and **repositories** can help reduce the rate of noncompliance with journal data availability policies.

Phase 1 (2012-2014)

Open Journal Systems - Dataverse Publishing Integration

Phase 2 (2015-2017)

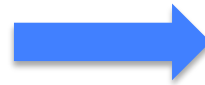
Dataverse repository API expands + standardizes integration w/ more journals + publishing systems

OJS Journal



The screenshot shows the Open Health Data journal website. The header includes the 'UPmetajournals' logo, 'open health data', and the 'ubiquity press' logo. The main content area features a navigation menu, a search bar, and a description of the journal. Below the description, there are sections for 'Most recent articles' and 'Most popular articles', each displaying a thumbnail image and article title. A sidebar on the left contains social media links for Twitter and RSS, and a 'Log in / Register' button.

Citation
to Data



Citation
to Article

Journal Dataverse



The screenshot shows the Open Health Data Dataverse website. The header includes the 'UPmetajournals' logo, 'open health data', and the 'ubiquity press' logo. The main content area features a navigation menu, a search bar, and a description of the dataverse. Below the description, there are sections for 'Open Health Data' and 'Most recent articles', each displaying a thumbnail image and article title. A sidebar on the left contains social media links for Twitter and RSS, and a 'Log in / Register' button.

Details: 2 Year Project 2012-2014

- OJS = open source journal publishing platform from PKP
- Automate data deposit from OJS to Dataverse via SWORD API.
- Pilot with ~ 50 journals + expanded outreach (hundreds) .
- OJS' Dataverse plugin now available with latest OJS release.

Editor Sets Up Dataverse Plugin in OJS

[Home](#) > [User](#) > [Journal Management](#) > [Plugin Management](#) > **Generic Plugins**

Generic Plugins

Generic plugins are used to extend Open Journal Systems in a variety of ways that are not supported by the other plugin categories.

Referral Plugin

The Referral Plugin tracks incoming reback URLs to articles (i.e. when a reader follows an external link to an article), allowing Authors to maintain and potentially publish an automatically-updated list of rebacks to an article.

[SETTINGS](#) [DISABLE](#) [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

Usage event

Creates a hook that provides usage event in a defined format.

[UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

Usage Statistics

Present data objects usage statistics. Can use server access log files to extract statistics.

This is a site-wide plugin. Only the Site Administrator may manage this plugin. [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

TinyMCE Plugin

This plugin enables WYSIWYG editing of OJS textareas using the [TinyMCE](#) content editor.

[DISABLE](#) [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

Acron Plugin

This plugin attempts to reduce the dependance of OCS on periodic scheduling tools such as 'cron.'

This is a site-wide plugin. Only the Site Administrator may manage this plugin. [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

Web Feed Plugin

This plugin produces RSS/Atom web syndication feeds for the current issue.

[SETTINGS](#) [DISABLE](#) [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

Dataverse Plugin

Deposit data sets and/or other supplementary files to a Dataverse.

[CONNECT](#) [SELECT DATVERSE](#) [SETTINGS](#) [DISABLE](#) [UPGRADE PLUGIN](#) [DELETE PLUGIN](#)

OJS Plugin: Journal Data Policies Boilerplate Templates

Home > User > Journal Management > **Dataverse Plugin**

Dataverse Plugin

CONNECT SELECT DATAVERSE **SETTINGS**

Data Policies

Configure data policies.

Data Availability Policy

General data availability policy for the journal. This will appear in About the Journal.

Super Plugin Testing Happy Hour requires, as a condition for publication, that data supporting the results in the paper should be archived in an appropriate public archive. Super Plugin Testing Happy Hour recommends the [Harvard Dataverse](#), which is free and open to all researchers worldwide to share, cite, reuse and archive research data. Data are important products of the scientific enterprise, and they should be preserved and usable for decades in the future. Authors may elect to have the data publicly available at time of publication. Exceptions may be granted at the discretion of the editor, especially for sensitive information such as human subject data or the location of endangered species. Any exceptions should be documented in a statement in the public article. (Adapted from [Joint Data Archiving Policy \(JDAP\)](#)).



Including Guidelines for:

- 1) Authors (w/ data citation)
- 2) Reviewers

Read full Data Policies / Guidelines Template: <http://bit.ly/1xkLjoZ>

OJS Plugin: Author Manuscript + Data Submission

Dataverse Plugin: Publish Data

Research data can be submitted for publication by depositing supplementary files in the journal's Dataverse or by supplying a citation to data already in a repository.

- Treat uploaded file as supplementary file. File **will not** be deposited in Dataverse.
- Deposit file in Dataverse. Author accepts and agrees to Dataverse [terms of use](#).

External Data Citation

If the data to be published with this submission is already in a different repository, please provide a data citation.

Supplementary File

File Name [6-17-1-SP.pdf](#)
Original file name Analytics All Web Site Data Pages 20121227-20130417.pdf
File Size 117KB
Date uploaded 2014-07-27 10:43 AM

- Present file to reviewers (without metadata), as it will not compromise blind review.

Replace file

No file chosen

Option to: (A) deposit into Dataverse AND/OR; (B) if data is already in a repository can include the data citation (w/ persistent URL/identifier).

OJS Plugin: Editor Reviews Article + Data Together

Home > User > Editor > Submissions > #6 > **Review**

#6 Review

SUMMARY **REVIEW** EDITING HISTORY REFERENCES

Submission

Authors	Eleni Castro, Alex Garnett
Title	Testing for Force11 & RDA
Section	Articles
Editor	axfelix
Review Version	6-18-1-RV.PDF 2014-07-27
Supp. files	6-17-1-SP.PDF 2014-07-27

Upload a revised Review Version No file chosen

Present file to reviewers

PeerReview

Round 1 [SELECT REVIEWER](#) [VIEW REGRETS, CANCELS, PREVIOUS ROUNDS](#)

Editor Decision

Select decision

- ✓ Choose One
- Accept Submission
- Revisions Required
- Resubmit for Review
- Decline Submission

Decision Will Record No Comments

Review Version 27

Data Published in Dataverse w/ OJS Plugin

In OJS:

Super Plugin Testing Happy Hour

HOME ABOUT USER HOME SEARCH CURRENT ARCHIVES

Home > User > Editor > Submissions > #6 > Review

#6 Review

Notification

Submission data has been published in Dataverse:

Castro, Eleni; Garnett, Alex, "Testing for Force11 & RDA", <http://dx.doi.org/10.5072/FK2/ZN5ZT>><http://dx.doi.org/10.5072/FK2/ZN5ZT> V1 [Version]

You are logged in as...

In Dataverse:

Demo Dataverse Network >

Journal of Plugin Testing Dataverse

TESTING FOR FORCE11 & RDA

doi:10.5072/FK2/ZN5ZT

Version: 1 - Released: Sun Jul 27 14:07:12 EDT 2014

CATALOGING INFORMATION

Data & Analysis

Comments (0)

Versions

i If you use these data, please add the following citation to your scholarly references. Why cite?

Data Citation

Castro, Eleni; Garnett, Alex, "Testing for Force11 & RDA", <http://dx.doi.org/10.5072/FK2/ZN5ZT> V1 [Version]

Citation Format

Publications

Castro, E., & Garnett, A. (in press). Testing for Force11 & RDA. *Super Plugin Testing Happy Hour*.

Data Citation Details

Title

Testing for Force11 & RDA

Study Global ID

doi:10.5072/FK2/ZN5ZT

2 Options in OJS:

- 1) Dataset Published (with DOI) at **Article Approval**.
- 2) Dataset Published when **Journal Issue is Released**.

OJS Plugin: Article Published w/ Data Citation

Journal of Plugin Testing

[HOME](#) [ABOUT](#) [LOGIN](#) [REGISTER](#) [SEARCH](#) [CURRENT](#) [ARCHIVES](#)

Home > Vol 1, No 1 (1) > **Garnett**

Alex uploads a file

Alex Garnett

Abstract

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis no-
ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat no
anim id est laborum.

Full Text:

[PDF](#)

Data citation

Garnett, Alex, 2014, "Replication data for: Alex uploads a file", <http://dx.doi.org/10.5072/FK2/MYRXI>, Harvard Dataverse [Repository], V1 [Version]

Refbacks

There are currently no refbacks.

But this is just the beginning...

We need input from you! This is a reference implementation that with Phase 2 of our project we hope to expand and improve upon with community help.

Take part in our **Dataverse Community Meeting (June 9-11)**.

References

Gherghina, S., & Katsanidou, A. (2013). Data availability in political science journals. *European Political Science* 12: 333-349. [doi:10.1057/eps.2013.8](https://doi.org/10.1057/eps.2013.8)

Ishiyama, J. (2014). "Replication, Research Transparency, and Journal Publications: Individualism, Community Models and the Future of Replication Studies" *PS:Political Science and Politics* 41(1): 78-83. [doi:10.1017/S1049096513001765](https://doi.org/10.1017/S1049096513001765)

King, G. (2003). The future of replication. *International Studies Perspectives*, 4(1), 443-499.

Thank you!

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Twitter: @thedataorg

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Data Science
Research Frameworks for Data-Intensive Science,
Analytical Tools and Data Stewardship

IQSS
The Institute for Quantitative Social Science

Zelig Dataverse TwoRavens DataTags Consilience RBuild Lab

About Us

Data Science at IQSS combines expertise in software engineering, statistical innovation and data curation. Meet our team.

CURRENT EFFORTS

Reproducible and Reusable Science
Connecting research results to the underlying data and analysis is central to the validation and extensibility of

SOFTWARE PROJECTS

Zelig
Everyone's Statistical Software
Zelig: Everyone's Statistical Software is

DATA SCIENCE BLOG

Data Science Team Presenting at JavaOne!
Dataset Templates & Reset Password
Dataverse 4.0 Updates: More Metadata