Towards an Integrated Transparent Journal Publishing Workflow

Eleni Castro, Research Coordinator > IQSS, Harvard
APSA DA-RT Workshop / September 18, 2014
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 able to provide storage (Ishiyama 2014), long-term data management and preservation.
Technology in *editorial software* and *repositories* can help reduce the rate of noncompliance with journal data availability policies.

- **OJS-Dataverse Publishing Integration**
- **F1000Research: Open Post Publication Peer Review** (immediate + transparent publishing).
- **Dryad Integrated Journal Publishing** (automated process to link journal to data)
Introduction to Dataverse

Software framework for publishing, citing and preserving research data (open source on github 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:

- 761 Dataverses
- 54,828 Datasets
- 748,554 Files
- > 1 Million Downloads
Journals Publishing Data w/ Dataverse

**Option A.** Journals include Dataverse as a Recommended Repository

1. Recommend Dataverse on your site
2. Author deposits data in Dataverse
3. Author adds Data Citation to article

**Option B.** Authors Contribute Directly to a Journal Dataverse

1. Setup Dataverse for your Journal
2. Invite authors to deposit data in Dataverse
3. Editor(s) review data
4. If approved, add Data Citation to article

**Option C.** Seamless Integration btw Journal + Dataverse (e.g., OJS)

1. Setup Dataverse for your Journal
2. Connect journal with plugin to API
3. Author submits article + data to journal
4. Data also deposited to Dataverse
OJS-Dataaverse Integration

OJS Journal

Citation to Data

Journal Dataverse

Citation to Article

Details: 2 Year Project 2012-2014
- Integrating w/ PKP’s Open Journal Systems (via SWORD API).
- Pilot with ~ 50 journals + expanding outreach (hundreds).
- OJS’ Dataaverse plugin now available with latest OJS release.
- Future: Embed Dataaverse widgets into journal article.

http://projects.iq.harvard.edu/ojs-dvn
Editor Sets Up Dataverse Plugin in OJS

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 refback 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 refbacks to an article.

Usage event

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

Usage Statistics

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

TinyMCE Plugin

This plugin enables WYSIWYG editing of OJS textareas using the TinyMCE content editor.

Acron Plugin

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

Web Feed Plugin

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

Dataverse Plugin

Deposit data sets and/or other supplementary files to a Dataverse.
OJS Plugin: Journal Data Policies Boilerplate Templates

Including Guidelines for:
1) Authors (w/ data citation)
2) Reviewers

**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.

- **Option A**: Treat uploaded file as supplementary file. File **will not** be deposited in Dataverse.
- **Option B**: 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)**: Not selected

**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

Here is a screenshot of the OJS interface, showing the process of reviewing an article and uploading supplementary files.

**Submission**
- Authors: Eleni Castro, Alex Garnett
- Title: Testing for Force11 & RDA
- Section: Articles
- Editor: axfelix

**PeerReview**
Round 1

**Editor Decision**
- Select decision:
  - Accept Submission
  - Revisions Required
  - Resubmit for Review
  - Decline Submission
- Record Decision
  - Notify Author
  - Review Version
  - Author Version

This interface allows the editor to manage the review process and keep track of the necessary files and decisions.
Data Published in Dataverse w/ OJS Plugin

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

HomePage  |  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 adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Full Text:

PDF

Data citation

Refbacks
There are currently no refbacks.
But this is just the beginning...

We need input from you! This is a reference implementation that we hope others can help expand and improve upon.

-------------------------

References


Thank you!

Contact: ecastro@fas.harvard.edu

More information: http://datascience.iq.harvard.edu

Twitter: @thedataorg