Integrating Automated Data Deposit into the Journal Publishing Workflow

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Harvard Digital Publishing Collaborative, 12/04/14
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:

- 830 Dataverses
- 55,156 Datasets
- 752,113 Files
- > 1.1 Million Downloads
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.
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
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.

[http://projects.iq.harvard.edu/ojs-dvn](http://projects.iq.harvard.edu/ojs-dvn)
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. This is a site-wide plugin. Only the Site Administrator may manage this plugin.

TinyMCE Plugin

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

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.

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.

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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
Data Published in Dataverse w/ OJS Plugin

In OJS:

Super Plugin Testing Happy Hour

Notification
Submission data has been published in Dataverse:
CASTRO, ELIENI; GARNETT, ALEX, "Testing for Force11 & RDA",
http://dx.doi.org/10.5072/FK2/ZN5ZT
You are logged in as...

In Dataverse:

Journal of Plugin Testing Dataverse

TESTING FOR FORCE11 & RDA
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.

In Dataverse:

Cataloging Information

Data Citation

Publications

Alex uploads a file

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

Garnett, Alex, 2014, "Replication data for: Alex uploads a file", http://dx.doi.org/10.5072/FK2/MYRX1, 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).

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References


Thank you!
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