

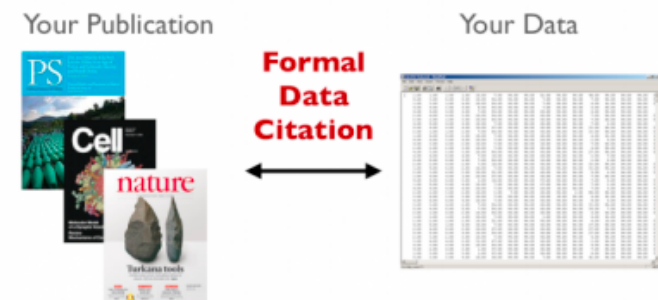
# DATA PUBLISHING WORKFLOWS WITH DATAVERSE

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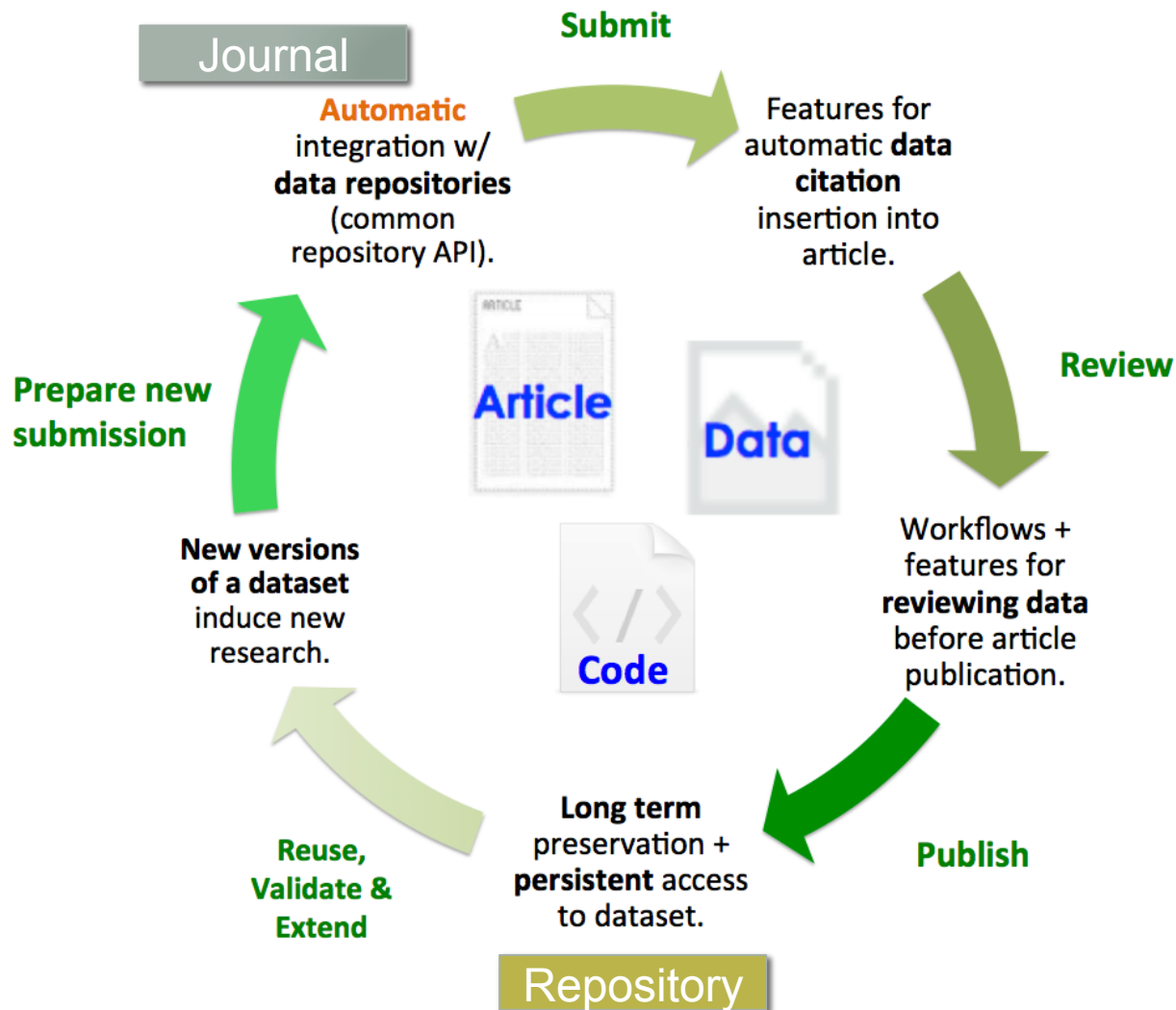
**Eleni Castro** ([ecastro@fas.harvard.edu](mailto:ecastro@fas.harvard.edu))  
Institute for Quantitative Social Science (IQSS)  
Harvard University

**RDA 5<sup>th</sup> Plenary**

WG RDA/WDS Publishing Data Workflows  
March 11, 2015



# An Integrated & Automated Journal / Data Publishing Workflow

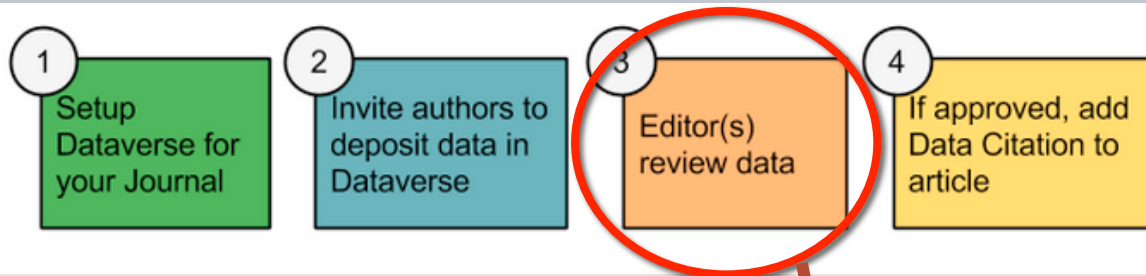


# Current Workflows in Dataverse: To Connect Data to Journals

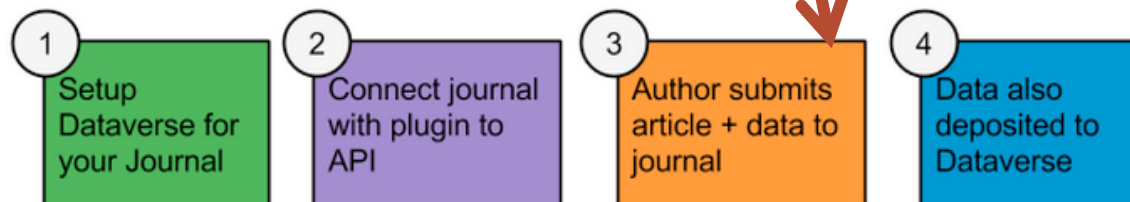
## A. Journals include Dataverse as a Recommended Repository



## B. Authors Contribute Directly to a Journal's Dataverse



## C. Automated Integration of Journal + Dataverse (e.g., OJS)



# Example of Option C: Phase 1 OJS / Dataverse Integration

## Open Journal Systems Article



Citation  
to Data



Citation  
to Article



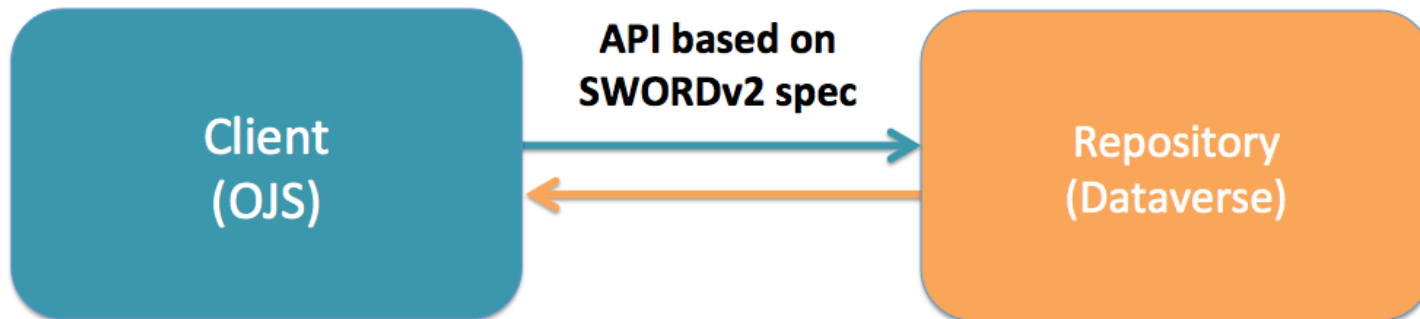
## Journal Dataverse: Dataset



## Project Details: 2012-2014

- ✓ Integrating Open Journal Systems (OJS) with Dataverse
  - ✓ Reference Implementation: Automated via SWORD API
- ✓ Pilot with ~ 50 journals + expand to 1000s using OJS.
- ✓ Dataverse plugin is automatically available w/ OJS.
- ✓ Future: Embed Dataverse widgets into journal article.

# In the Backend: Technical Workflow



## Client sends:

- ✓ **XML file:** AtomPub "entry" with Dublin Core Terms (e.g., title, creator, isReferencedBy (article citation), ...)
- ✓ **Zip file:** All data files associated with that dataset.

## Repository sends:

- ✓ **XML file:** "Deposit Receipt" send data citation from repository to client.

Plus **updates** from client to server during lifecycle (CRUD):  
*In review, reject (delete), publish first version, update new versions.*

# On the Frontend: OJS Dataverse Plugin Walkthrough

# Journal Manager Sets Up Plugin in OJS

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

## Generic Plugins

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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](#)

# Journal Manager Sets Up Data Policies

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 (data citation)
- 2) Reviewers
- 3) Copyeditors

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



# Author Submits Manuscript + Data (1)

Home > User > Author > Submissions > **New Submission**

## Step 4a. Add a Supplementary File

1. START 2. UPLOAD SUBMISSION 3. ENTER METADATA 4. **UPLOAD SUPPLEMENTARY FILES** 5. CONFIRMATION

[<< Back to Supplementary Files](#)

### Supplementary File Metadata

To index this supplementary material, provide the following metadata for the uploaded supplementary file.

Title *	<input type="text" value="Untitled"/>
Creator (or owner) of file	<input type="text"/>
Keywords	<input type="text"/>
Type	<input type="text" value="Data Set"/>
	Specify other <input type="text"/>
Brief description	<input type="text"/>
Publisher	<input type="text"/>
	Use only with formally published materials.
Contributor or sponsoring agency	<input type="text"/>
Date	<input type="text" value="2014-07-27"/> YYYY-MM-DD
	Date when data was collected or instrument created.

# Author Submits Manuscript + Data (2)

## 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	<a href="#">6-17-1-SP.pdf</a>
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.

**To-Do:** Support for adding multiple datasets to a journal article.

Replace file

No file chosen

Use Save to upload file.

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



# Editor Reviews Article + Data

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

Upload a revised Review Version  No file chosen

Supp. files

[6-17-1-SP.PDF](#) 2014-07-27 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

Notify Author

Review Version

Mail Record  No Comments

27

# Approved = Data Published in Dataverse

1

## 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...

2

no 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

POWERED BY THE

**Dataverse Network**™ PROJECT v. 3.6.1



Eleni Castro

Log Out

- Edit Cataloging Information
- Edit/Delete File + Information
- Add File(s)
- Permissions
- Create Study Template
- Deaccession
- Destroy Study

#### CATALOGING INFORMATION

Data & Analysis

Comments (0)

Versions

**i** If you use these data, please add the following citation to your scholarly reference

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

When issue is published:

- 1) URL to Article displays in Dataverse.
- 2) Data Citation shows up in OJS Article (see next slide).

# Article in OJS: 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 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/MYRXI>, Harvard Dataverse [Repository], V1 [Version]

#### Refbacks

There are currently no refbacks.



# Phase 2: Expansion of API + Workflows

**2015-2016 (collaboration w/ Odum Institute)**

## Project Goals

1. **Expand to more journals, publishing systems, & workflows**
2. **Develop Community-Based Repository API Standard:**  
Work w/ RDA, WDS, Data FAIRport, FORCE11, CODATA, etc...

## Project Questions

- Should we extend the Repository API beyond SWORD?
- Support for additional Metadata Schemas & fields (non-DC)?
- Support for more/which dataset review workflows?



# How Do I Get Involved?



1

## Find Out More:

- \* Visit our Collaborations page: <http://bit.ly/1Bg2nkw>
- \* Dataverse Project Site: <http://dataverse.org>



2

## Sign up to Contribute:

Repositories Workshop + Dataverse Community Meeting  
June 9-11, 2015 @ Harvard <http://bit.ly/1A51atJ>



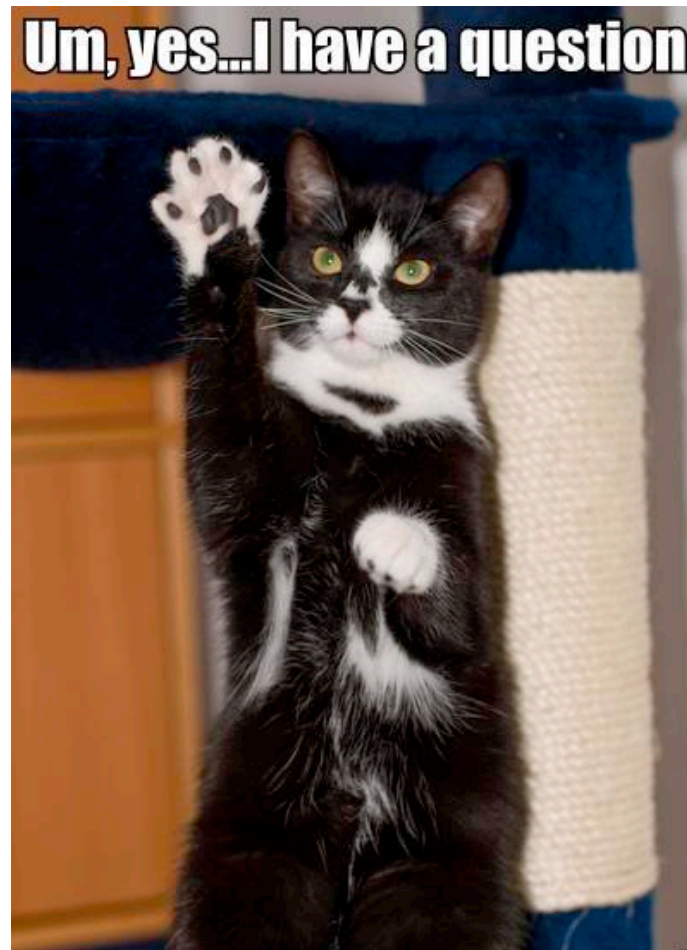
3

## Contact Project Coordinator:

Eleni Castro ([ecastro@fas.harvard.edu](mailto:ecastro@fas.harvard.edu))



# Thank You! Any Questions?



Contact Me: Eleni Castro ([ecastro@fas.harvard.edu](mailto:ecastro@fas.harvard.edu))