The Dataverse Project

# OPEN JOURNAL SYSTEMS + DATAVERSE: PUBLISHING WORKFLOW

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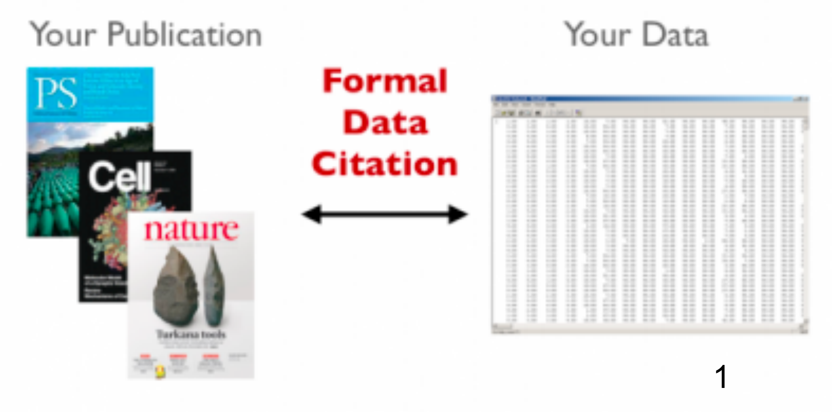
**Harvard University**

**Presented to**:
Force11 DCIG & RDA Workflows WG
July 28, 2014


Your Publication
Your Data
Formal Data Citation

# Workflows that Connect Data to Journals

## **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

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

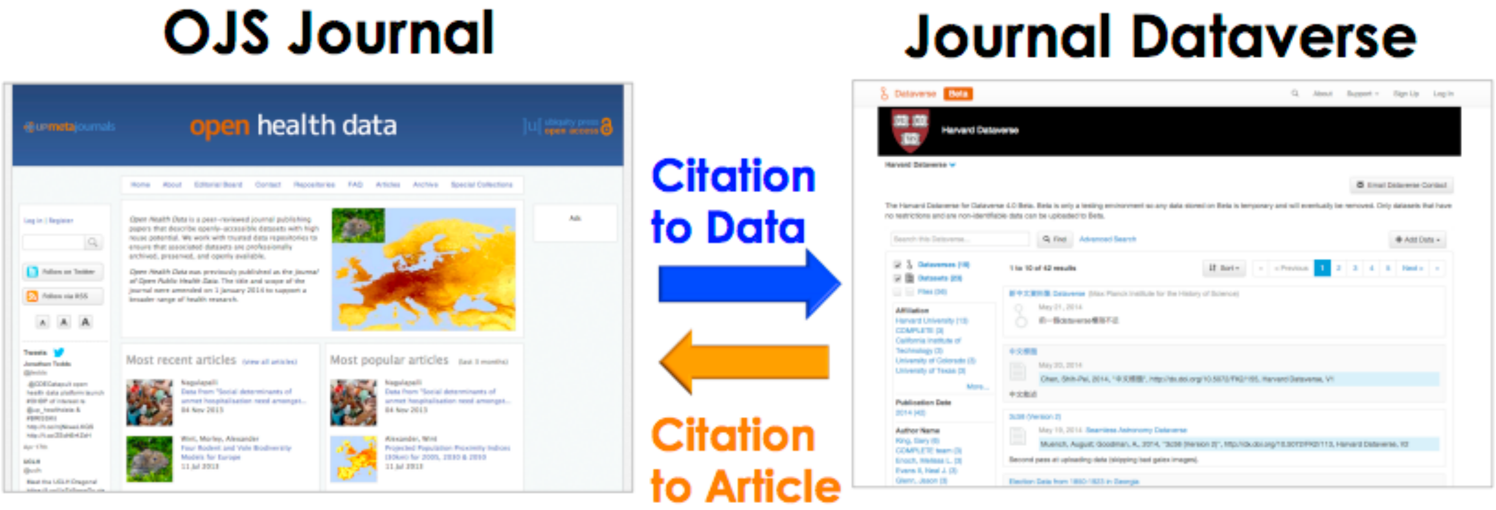
1. Setup Dataverse for your Journal
2. Invite authors to deposit data in Dataverse
3. Editor(s) review data
4. If approved, add Data Citation to article

## **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

# Example of Option C: OJS / Dataverse Integration

PKP
PUBLIC
KNOWLEDGE
PROJECT



**OJS Journal**

**Citation to Data**

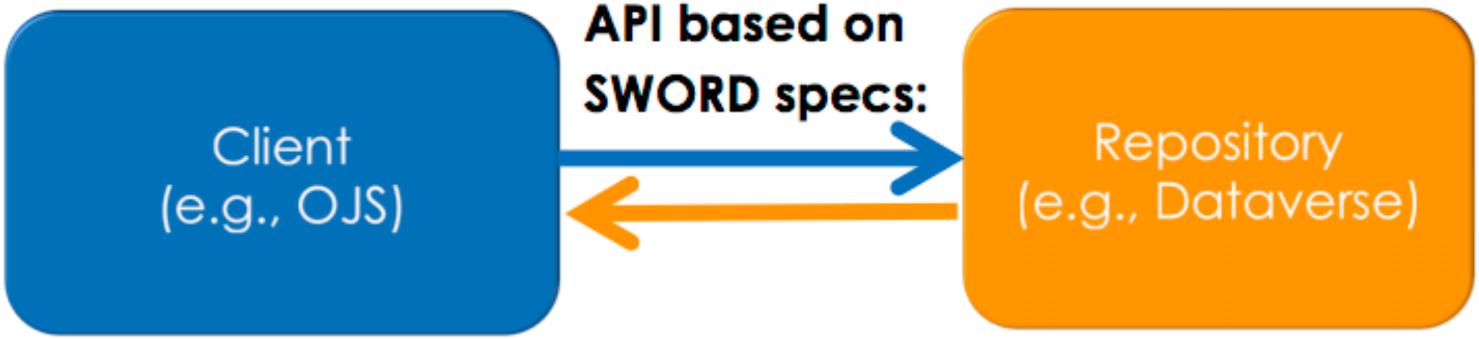
**Citation to Article**

**Journal Dataverse**

- ✓ Sloan funded project to integrate PKP’s Open Journal Systems (OJS) with the Dataverse software.
- ✓ Pilot with ~ 50 journals.
- ✓ Dataverse plugin is available with latest OJS release.

[http://projects.iq.harvard.edu/ojs-dvn](http://projects.iq.harvard.edu/ojs-dvn)

# In the Backend: Technical Workflow


API based on SWORD specs:

Client (e.g., OJS)

Repository (e.g., Dataverse)

**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.

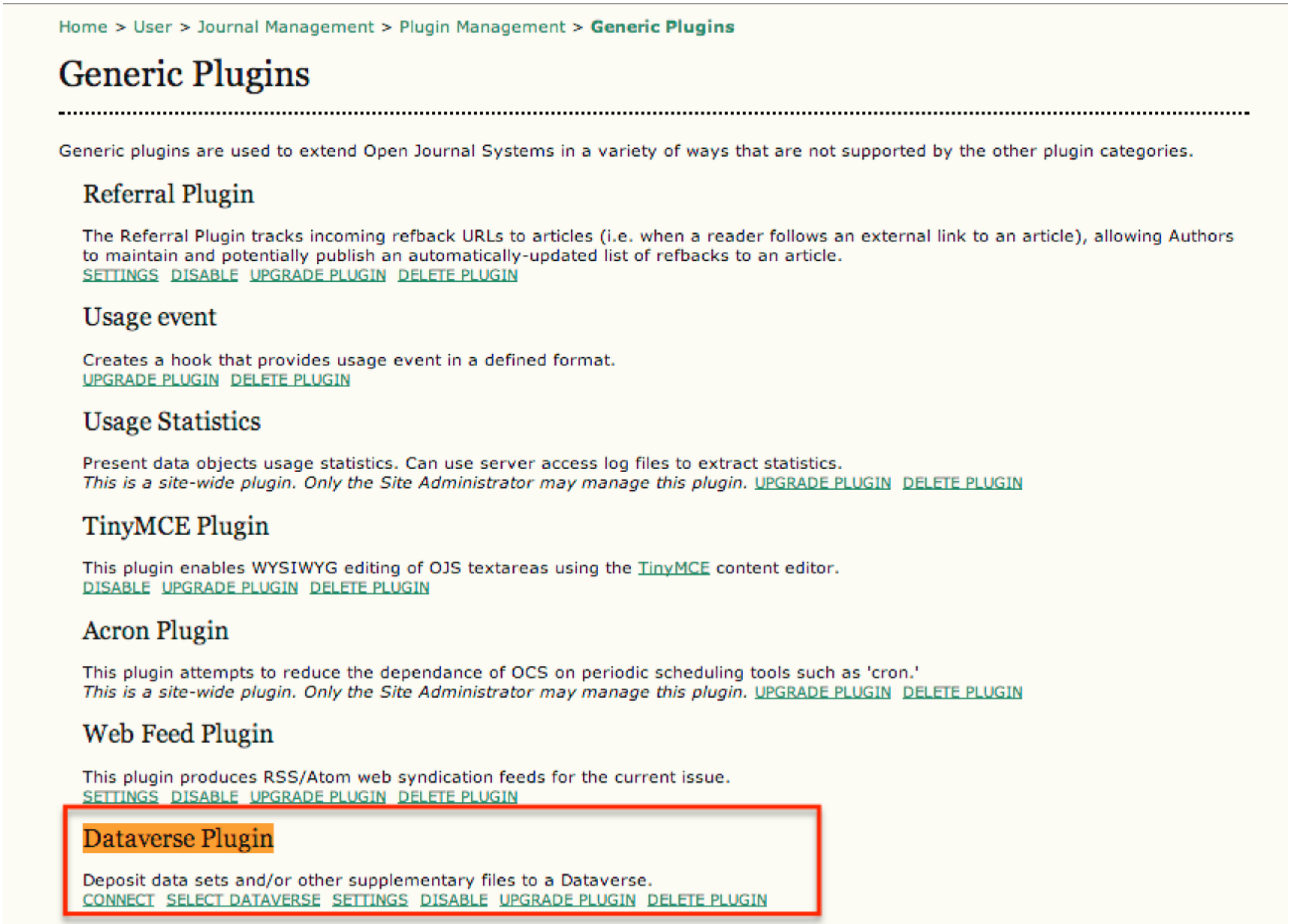
**Repository sends:**

- ✓ **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

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.
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

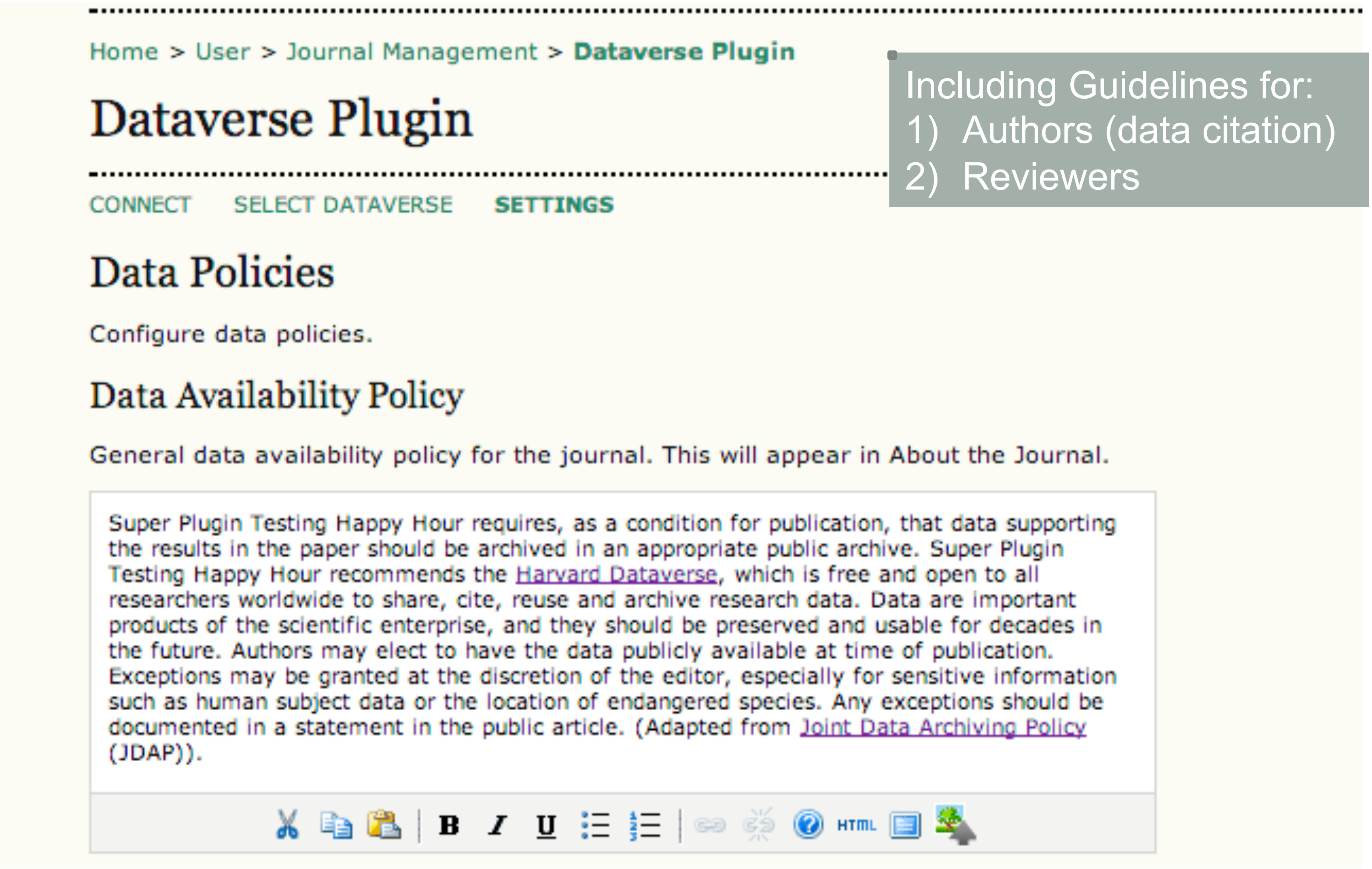
### Web Feed Plugin

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 DATAVERSE 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

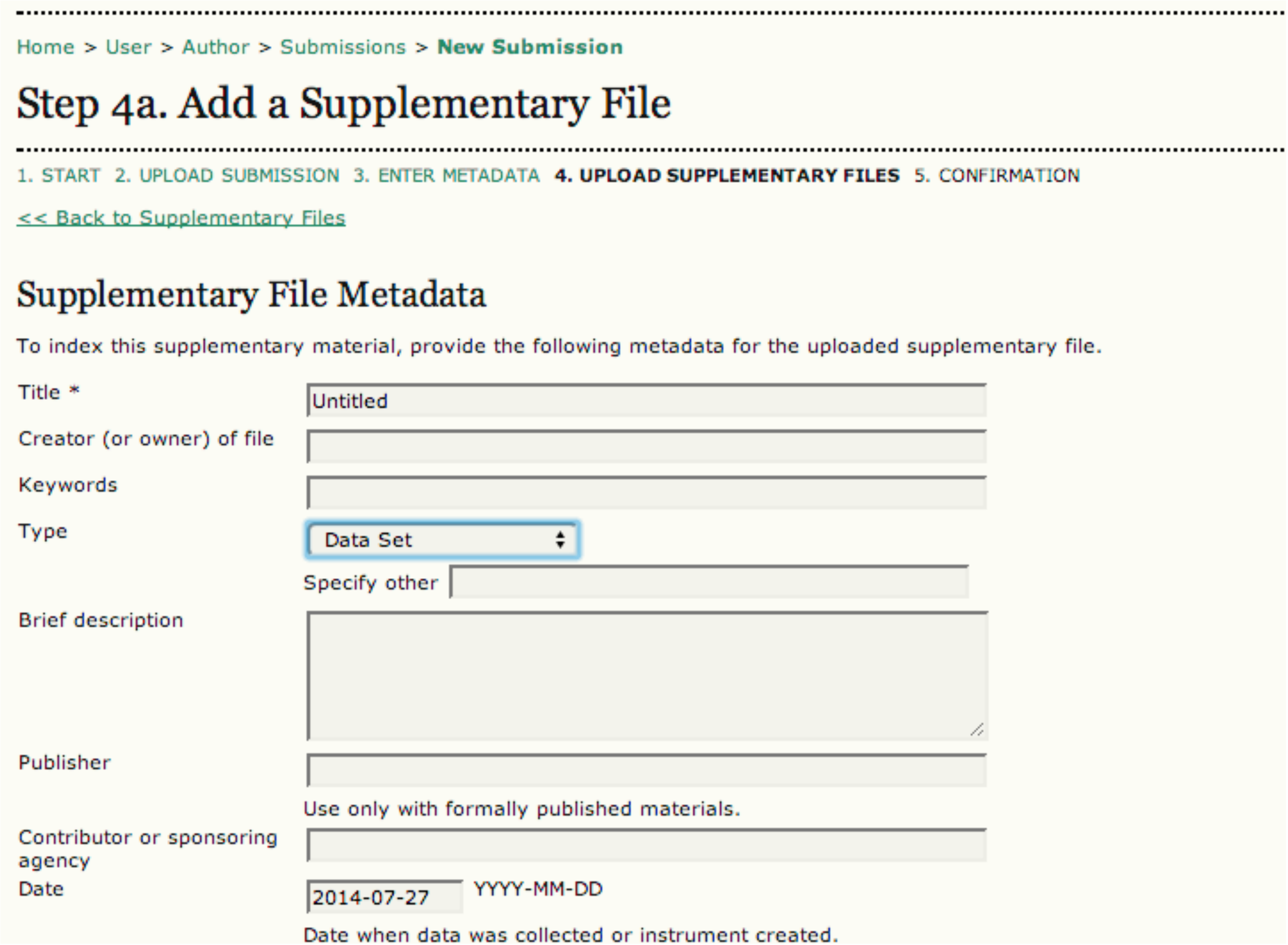
General data availability policy for the journal. This will appear in About the Journal.

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

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

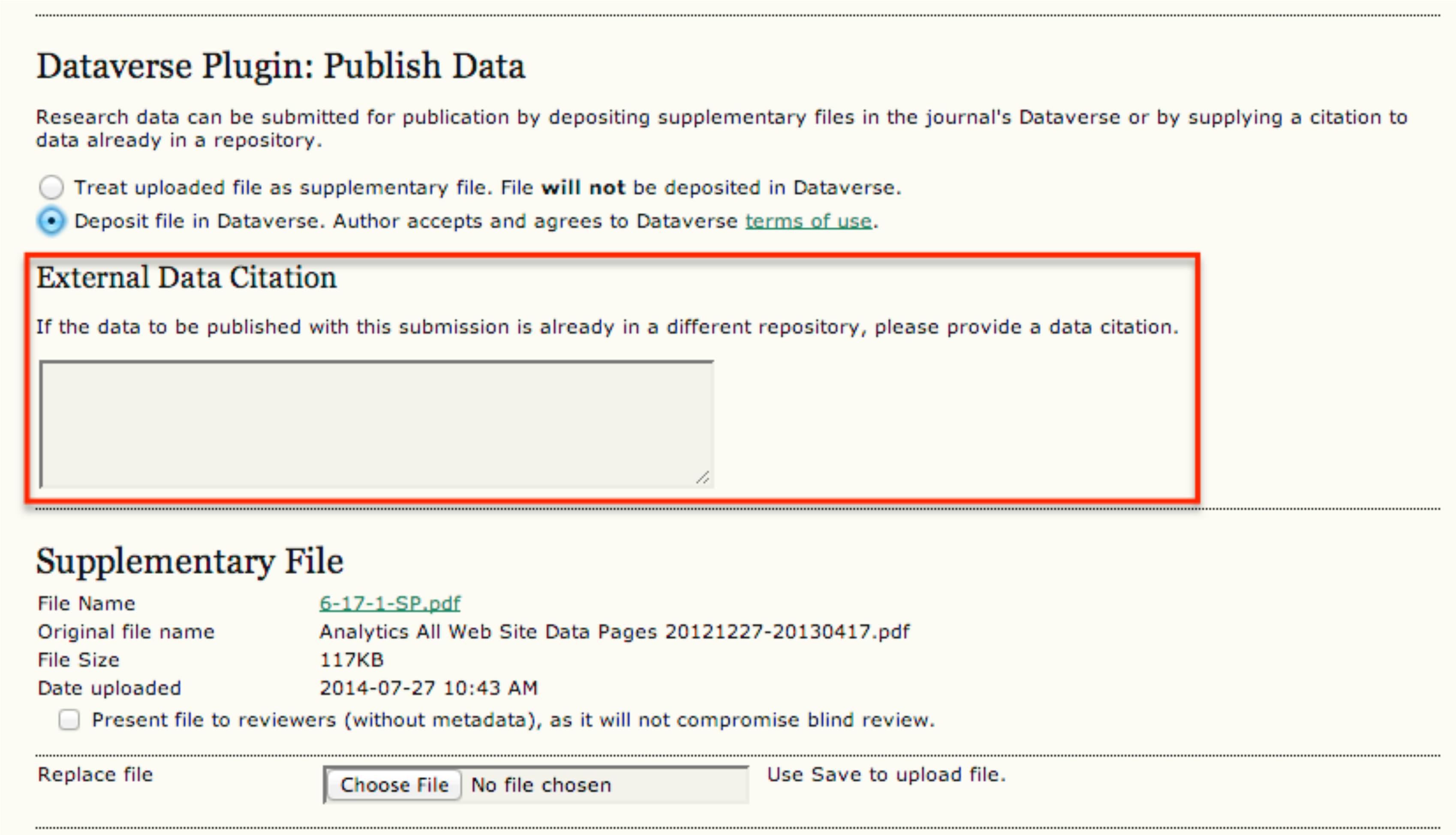
<< Back to Supplementary Files

### Supplementary File Metadata

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

| | |
|---|---|
| Title * | Untitled |
| Creator (or owner) of file | |
| Keywords | |
| Type | Data Set<br>Specify other |
| Brief description | |
| Publisher | <br>Use only with formally published materials. |
| Contributor or sponsoring agency | |
| Date | 2014-07-27 YYYY-MM-DD<br>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 | 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 |

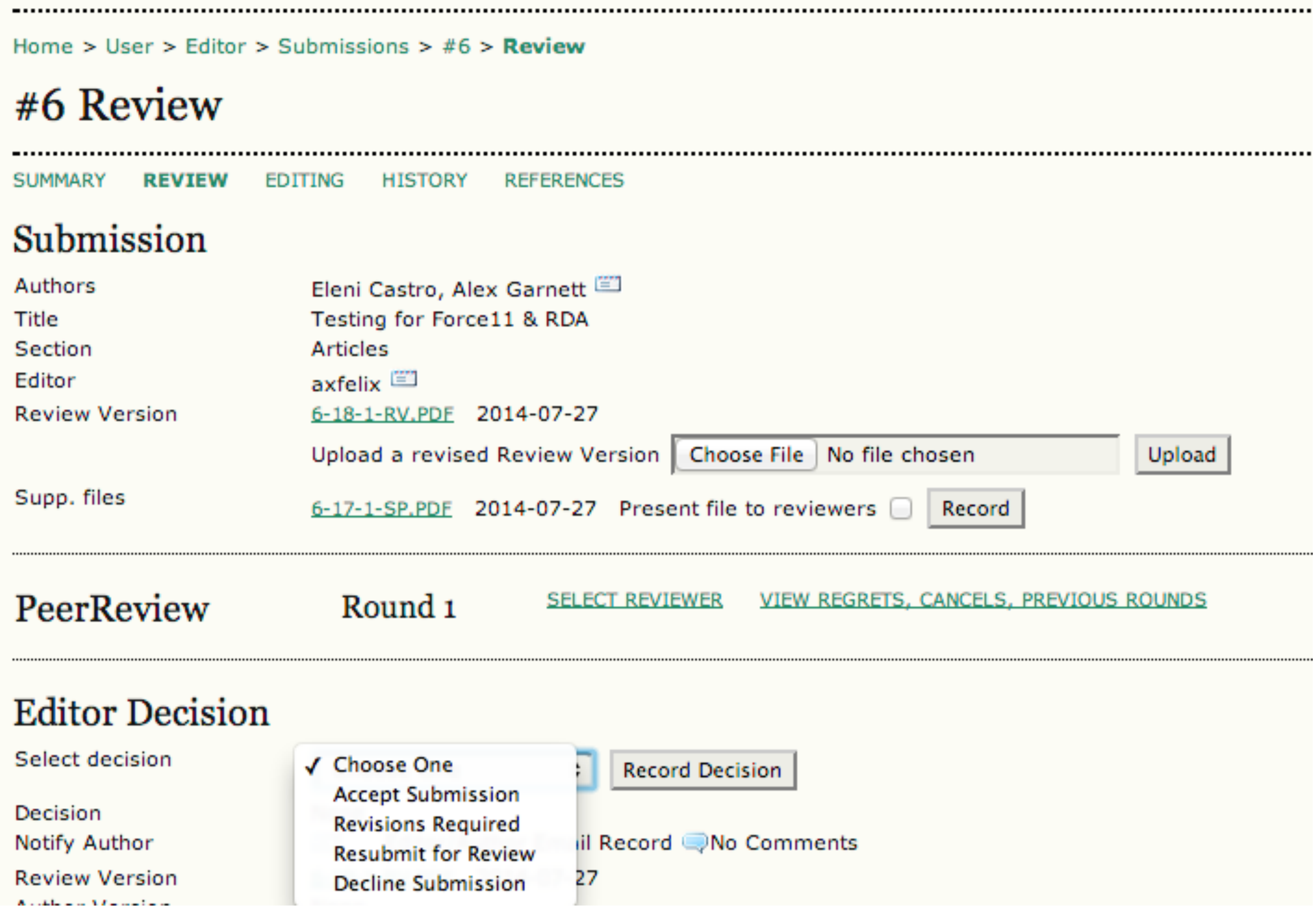
☐ Present file to reviewers (without metadata), as it will not compromise blind review.

Replace file

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 |
| Supp. files | 6-17-1-SP.PDF 2014-07-27 Present file to reviewers ☐ |

Choose File
No file chosen
Upload
Record

### PeerReview Round 1

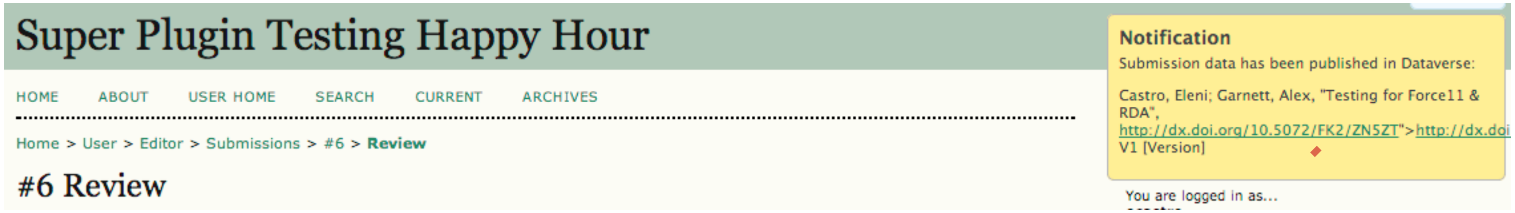
SELECT REVIEWER
VIEW REGRETS, CANCELS, PREVIOUS ROUNDS

### Editor Decision

| | |
|---|---|
| Select decision | |
| Decision | |
| Notify Author | il Record No Comments |
| Review Version | 27 |

✓ Choose One
Accept Submission
Revisions Required
Resubmit for Review
Decline Submission
Record Decision

# Approved = Data Published in Dataverse

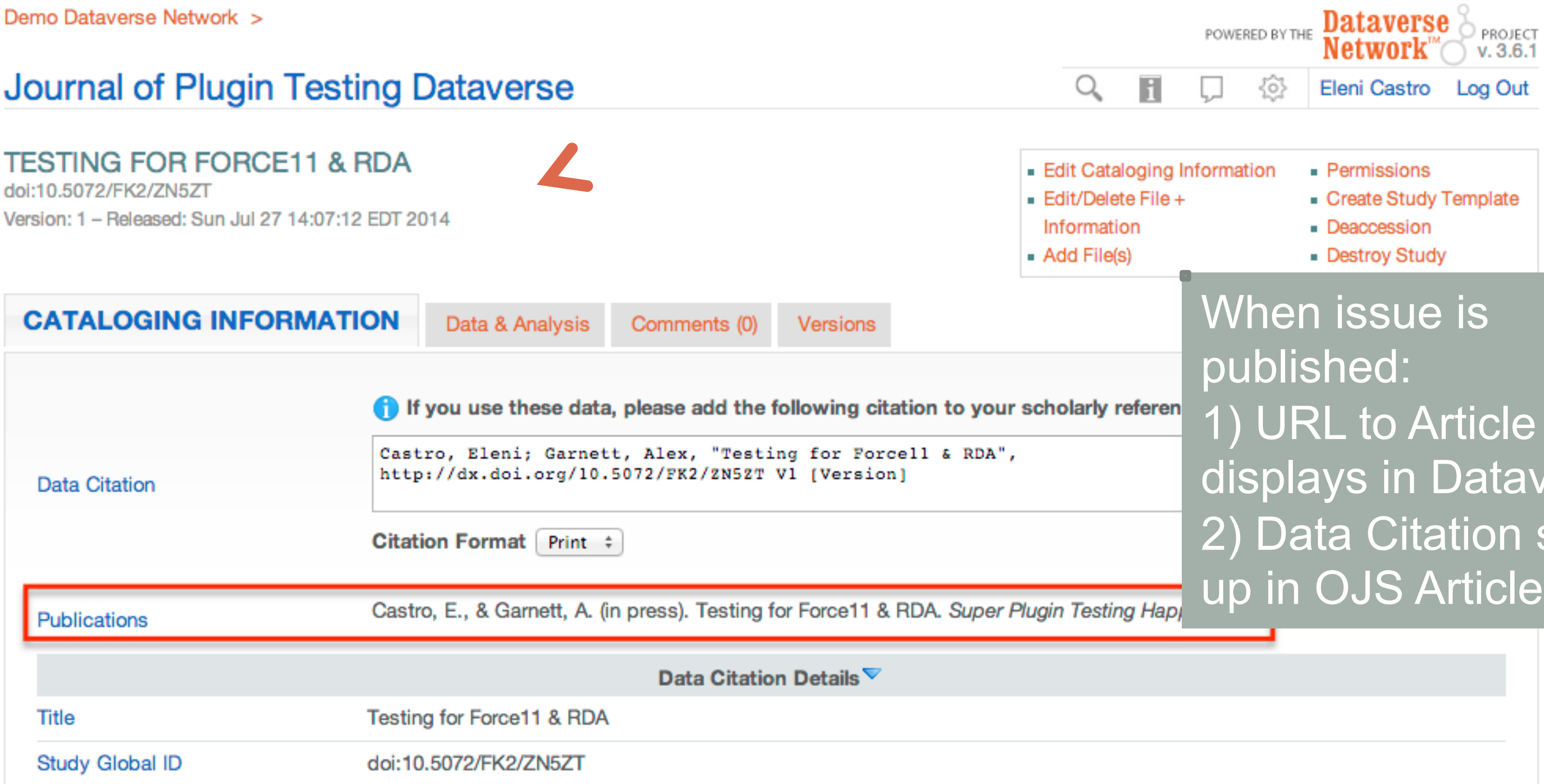

Super Plugin Testing Happy Hour
HOME
ABOUT
USER HOME
SEARCH
CURRENT
ARCHIVES
Home > User > Editor > Submissions > #6 > Review
#6 Review

**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
V1 [Version]

You are logged in as...


Demo Dataverse Network >
POWERED BY THE Dataverse Network™ PROJECT v. 3.6.1
Journal of Plugin Testing Dataverse
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

TESTING FOR FORCE11 & RDA
doi:10.5072/FK2/ZN5ZT
Version: 1 – Released: Sun Jul 27 14:07:12 EDT 2014

If you use these data, please add the following citation to your scholarly referen

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

**Citation Format** Print

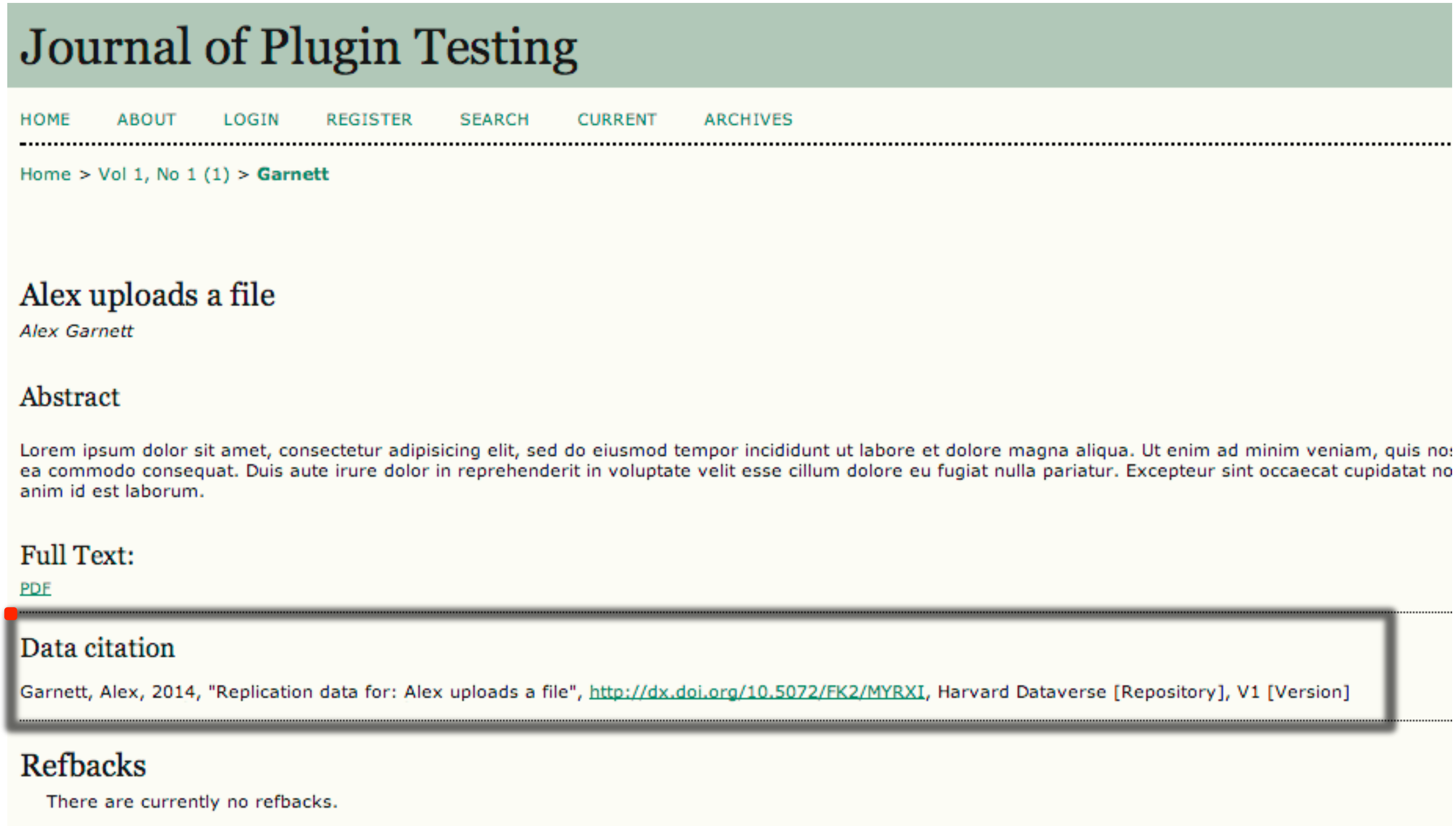
**Publications** Castro, E., & Garnett, A. (in press). Testing for Force11 & RDA. *Super Plugin Testing Hap*

**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.

# Article is 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

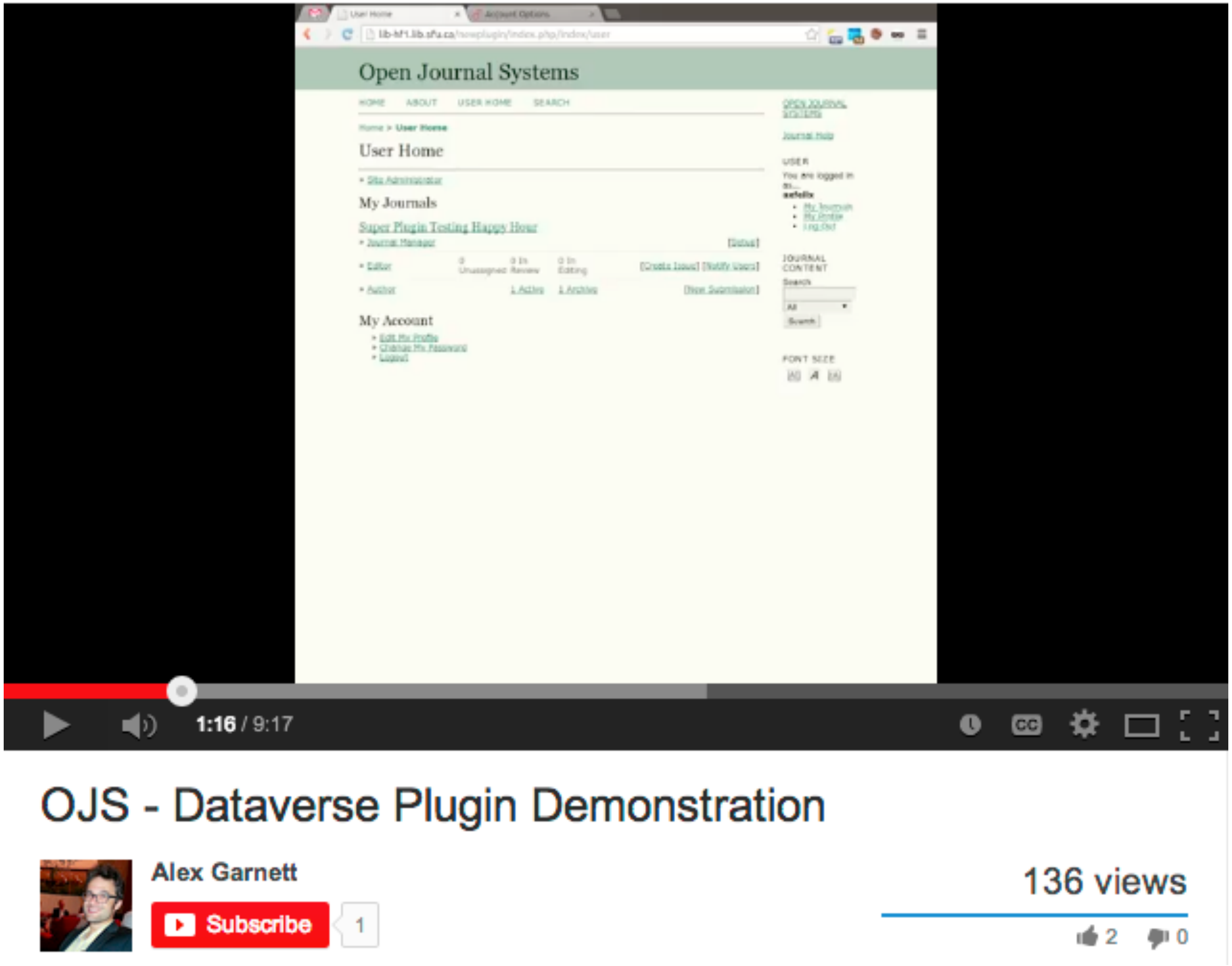
### Data citation

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.

# Video of OJS Dataverse Plugin Demo



User Home
lib-hf1.lib.sfu.ca/newplugin/index.php/index/user
Open Journal Systems
HOME
ABOUT
USER HOME
SEARCH
Home > User Home
User Home
My Journals
Super Plugin Testing Happy Hour
My Account
USER
JOURNAL CONTENT
Search
All
FONT SIZE
1:16 / 9:17

OJS - Dataverse Plugin Demonstration

Alex Garnett

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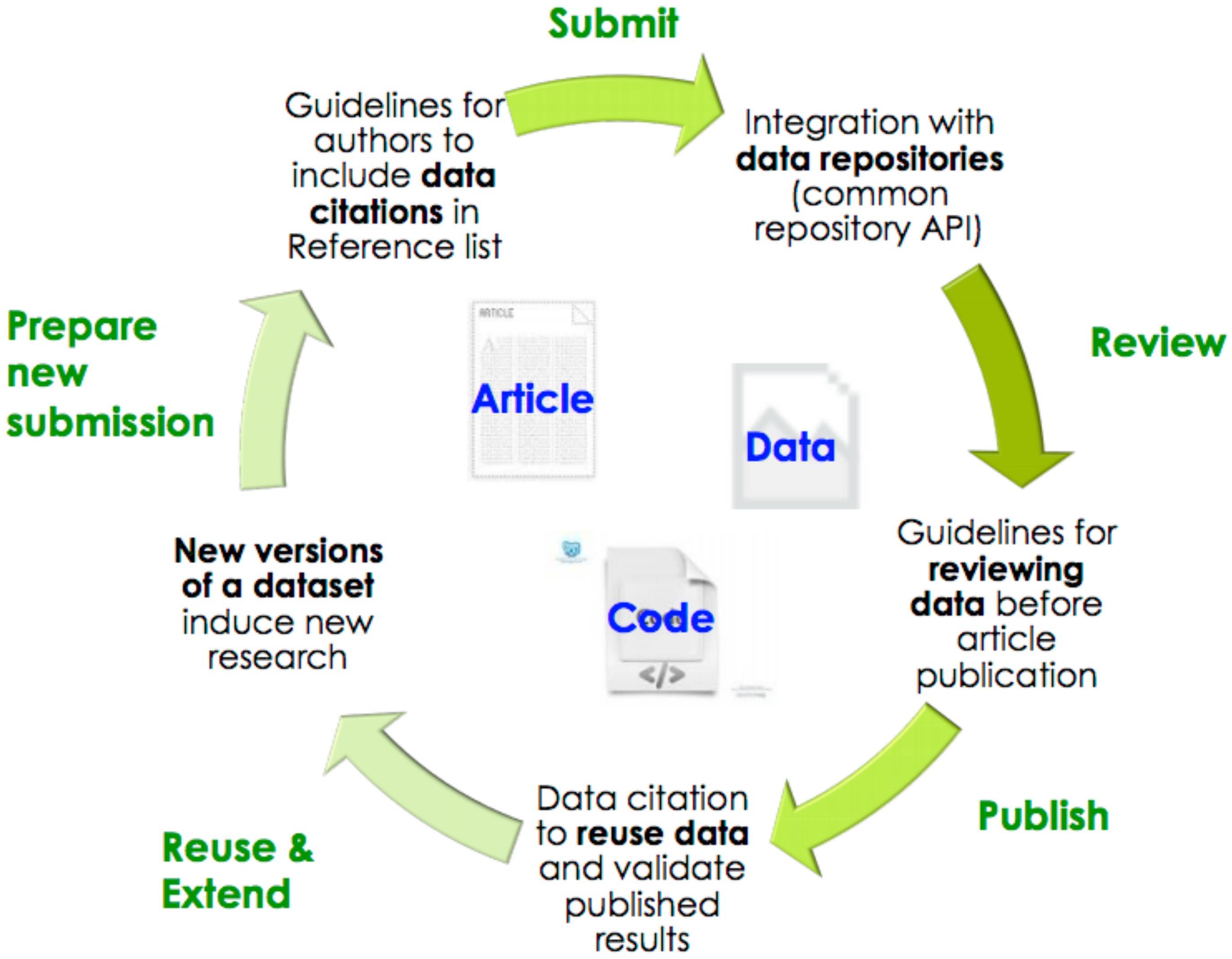
1
136 views
2
0

# Towards An Integrated Publishing Lifecycle



**Submit**

Guidelines for authors to include **data citations** in Reference list

Integration with **data repositories** (common repository API)

**Review**

Guidelines for **reviewing data** before article publication

**Publish**

Data citation to **reuse data** and validate published results

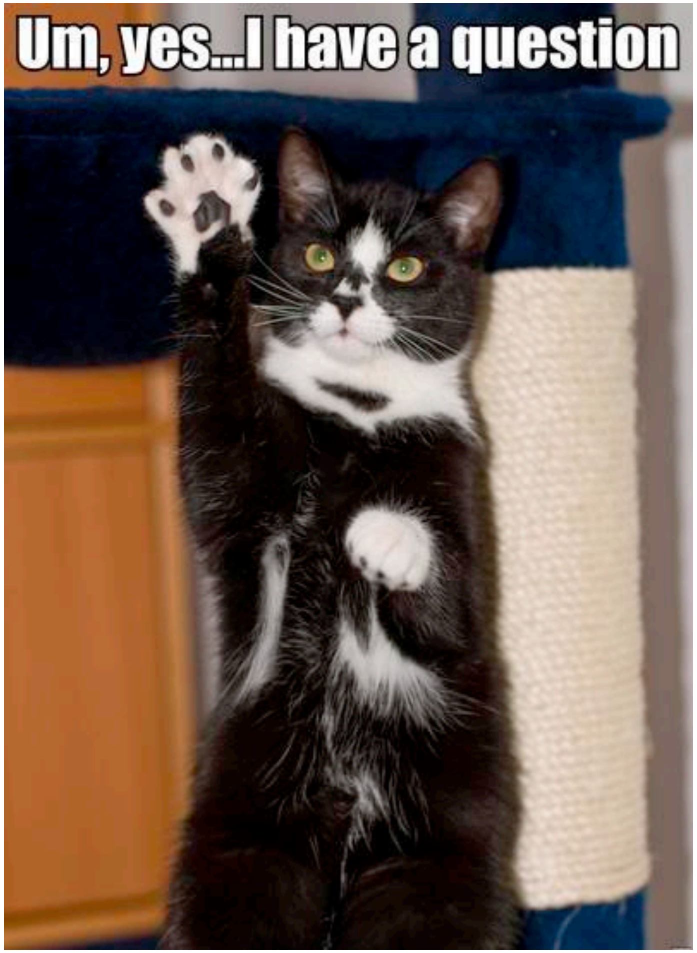
**Reuse & Extend**

**New versions of a dataset** induce new research

**Prepare new submission**

Image Credit: Mercè Crosas

# Thank You! Any Questions?


Um, yes...I have a question