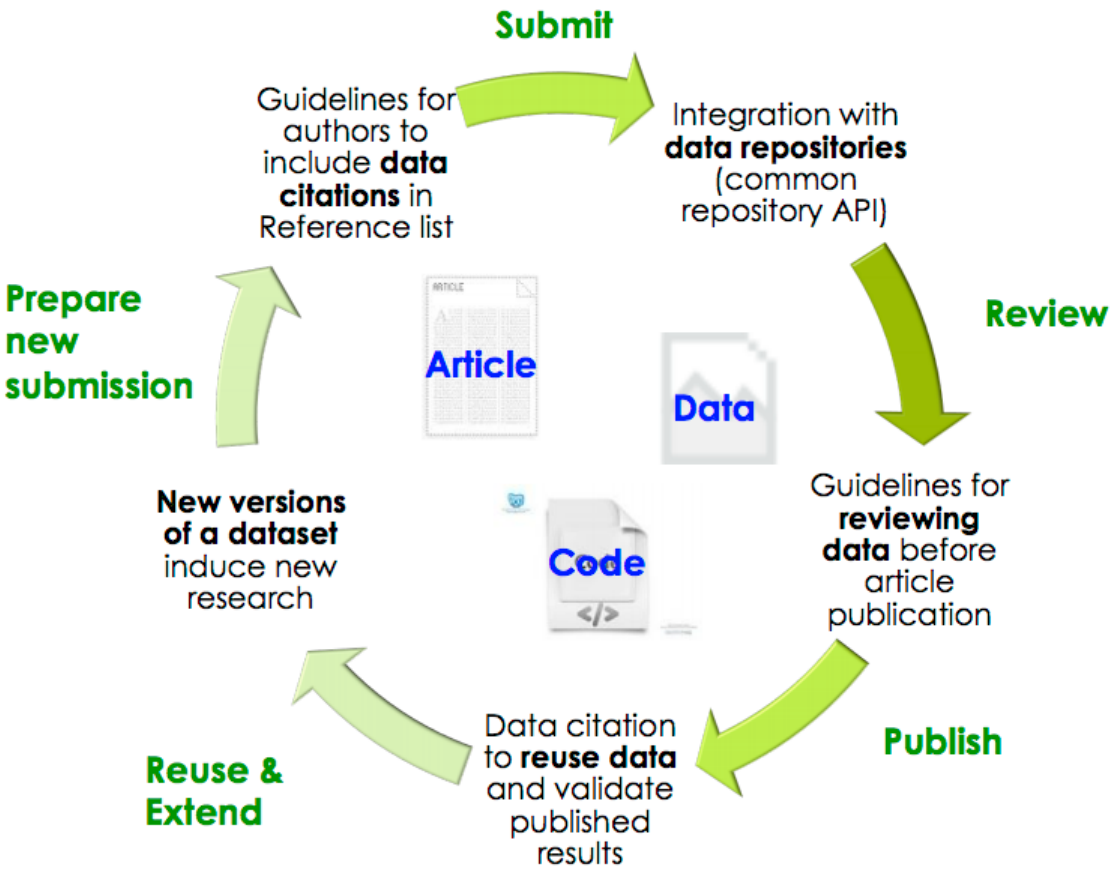
# Integrating Automated Data Deposit into the Journal Publishing Workflow




Eleni Castro, Research Coordinator > IQSS

Harvard Digital Publishing Collaborative, 12/04/14

The Dataverse Project

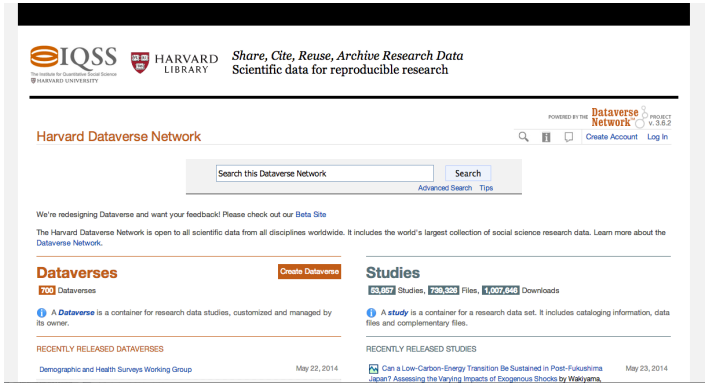
IQSS
The Institute for Quantitative Social Science
HARVARD UNIVERSITY

# Introduction to Dataverse

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

# 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-Dataverse Integration

## OJS Journal


Citation to Data

Citation to Article

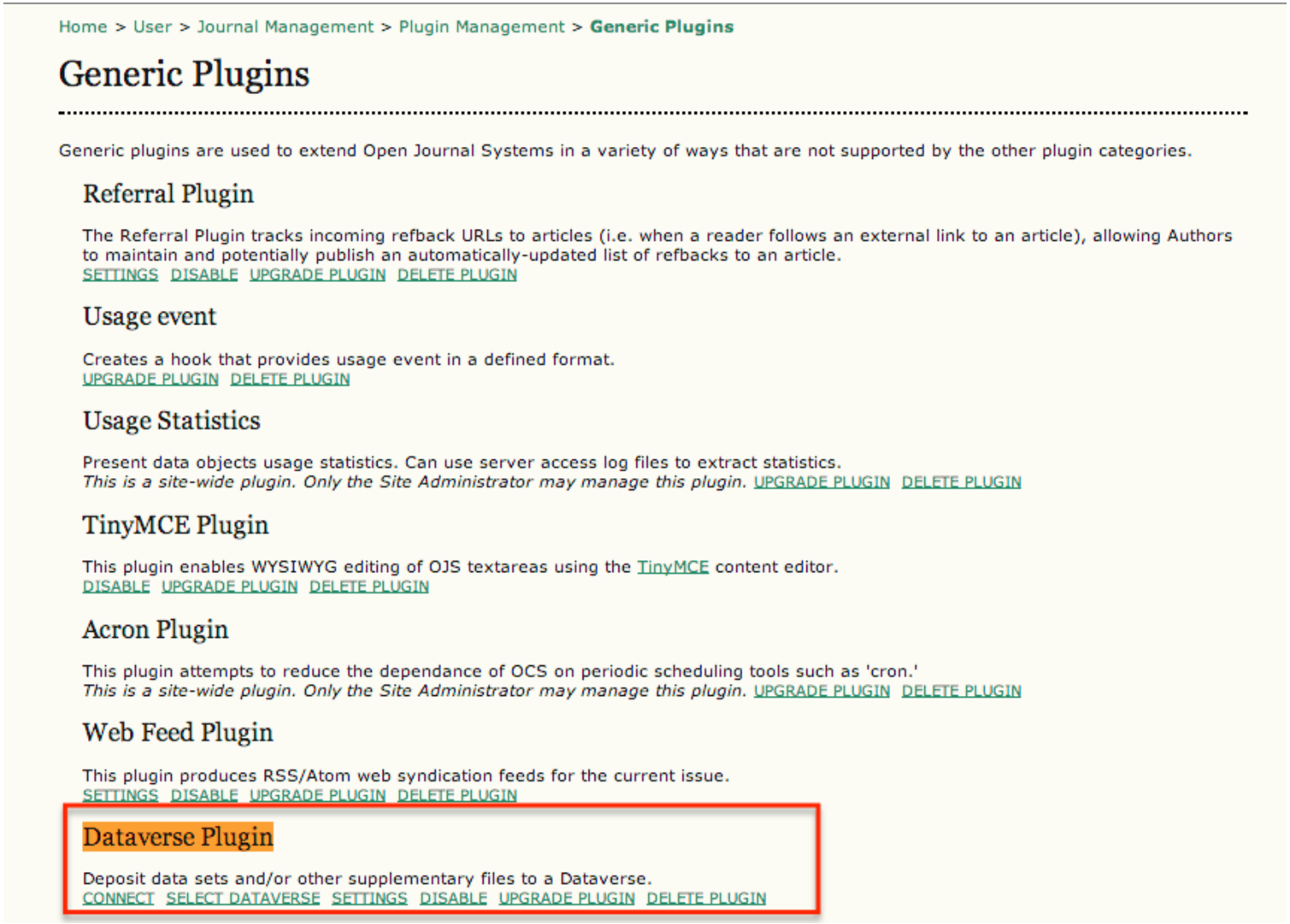
## Journal Dataverse


**Details: 2 Year Project 2012-2014**

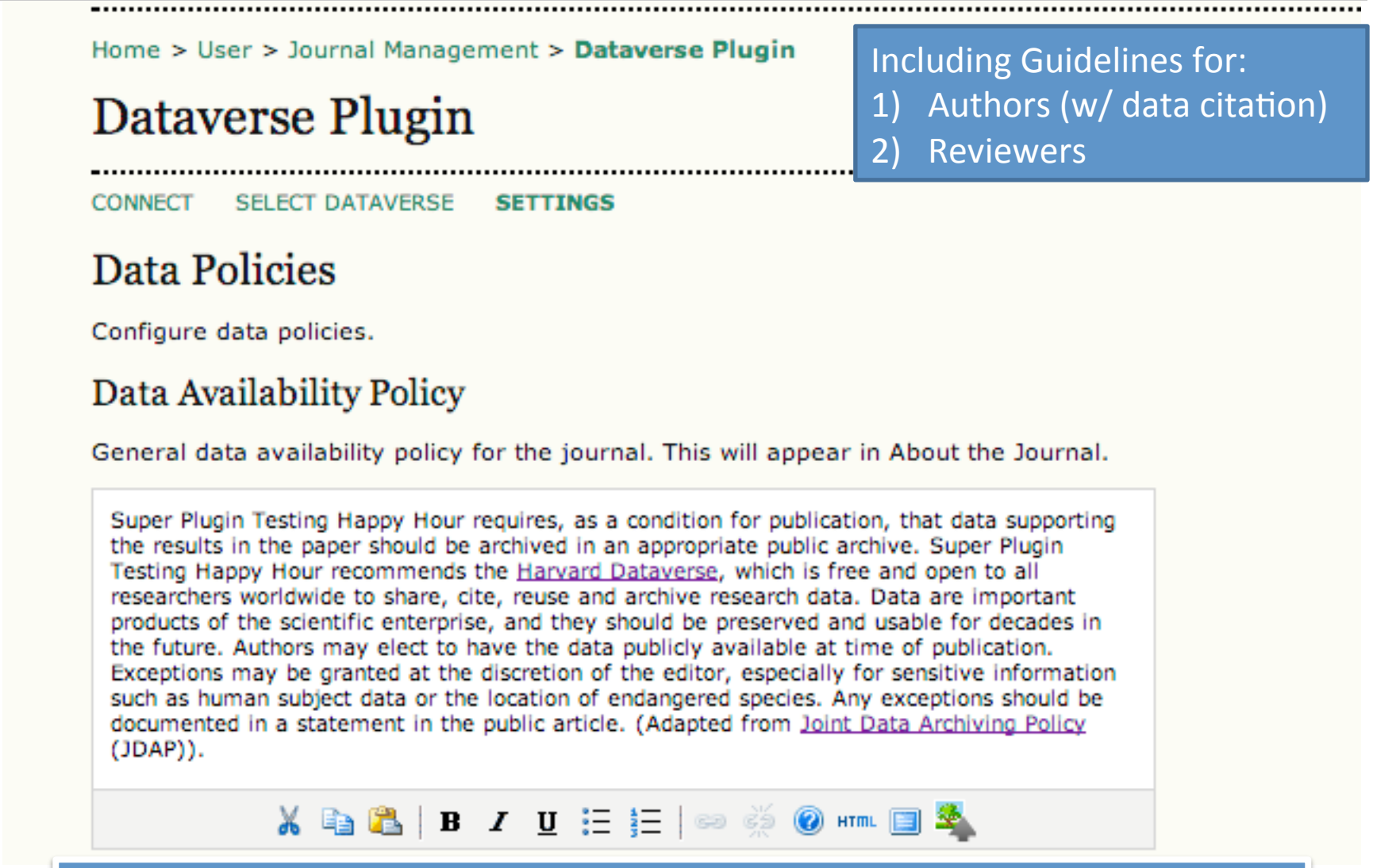
- OJS = open source journal publishing platform from PKP
- Automate data deposit from OJS to Dataverse via SWORD API.
- Pilot with ~ 50 journals + expanded outreach (hundreds) .
- OJS' Dataverse plugin now available with latest OJS release.

http://projects.iq.harvard.edu/ojs-dvn

# Editor Sets Up Dataverse Plugin in OJS



# OJS Plugin: Journal Data Policies Boilerplate Templates

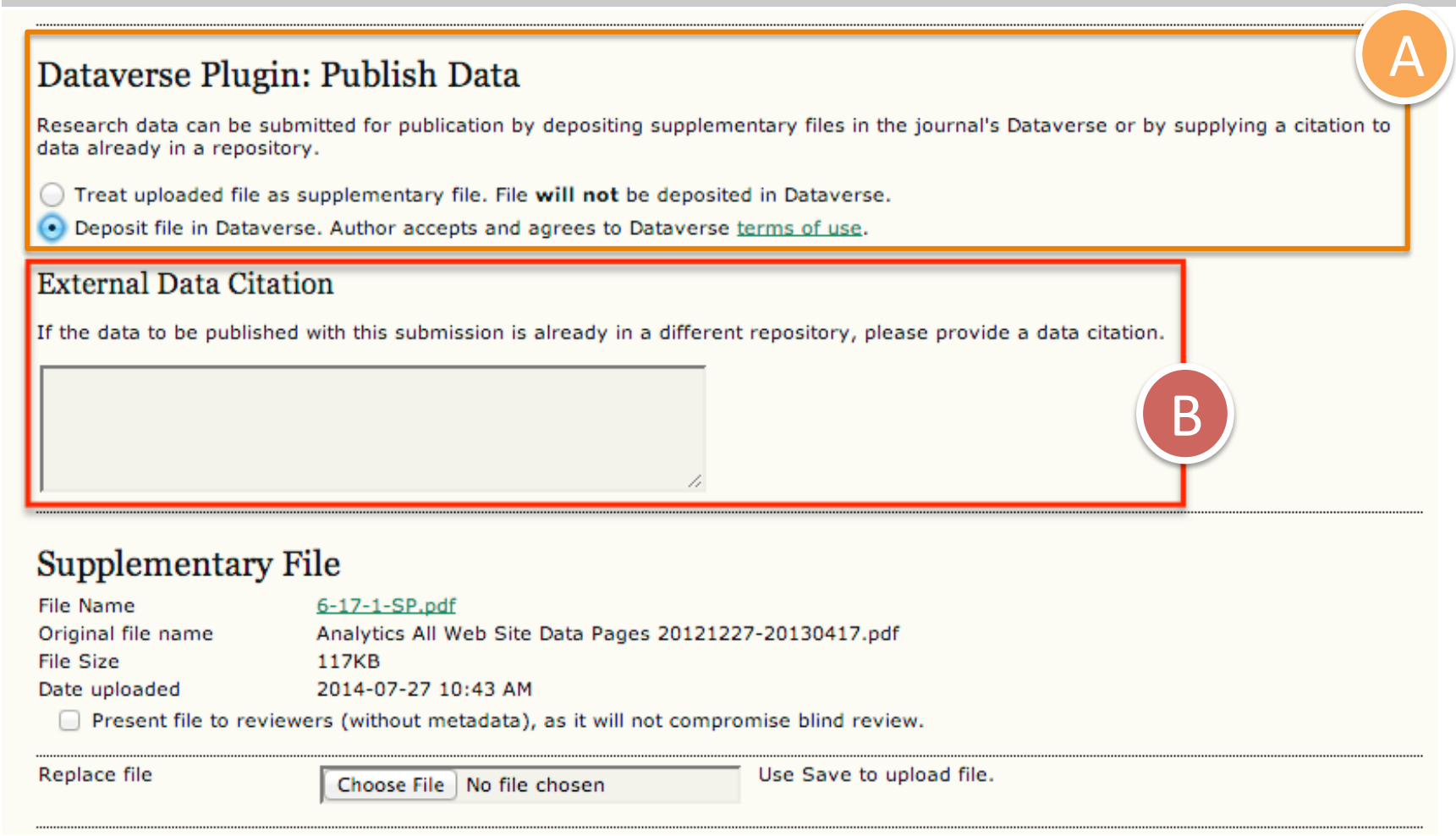



Including Guidelines for:

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

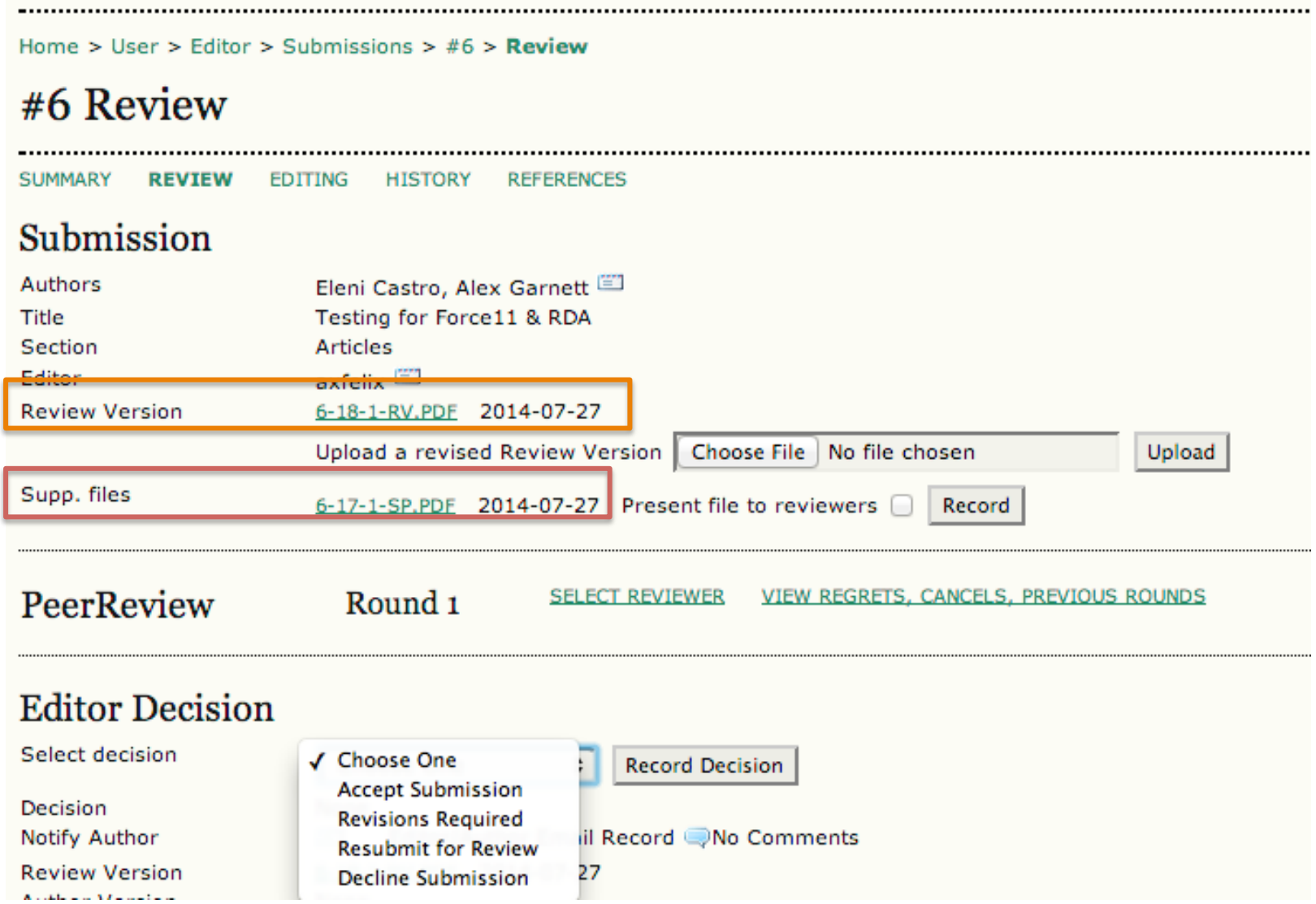
Read full Data Policies / Guidelines Template: http://bit.ly/1xkLjoZ

# OJS Plugin: Author Manuscript + Data Submission

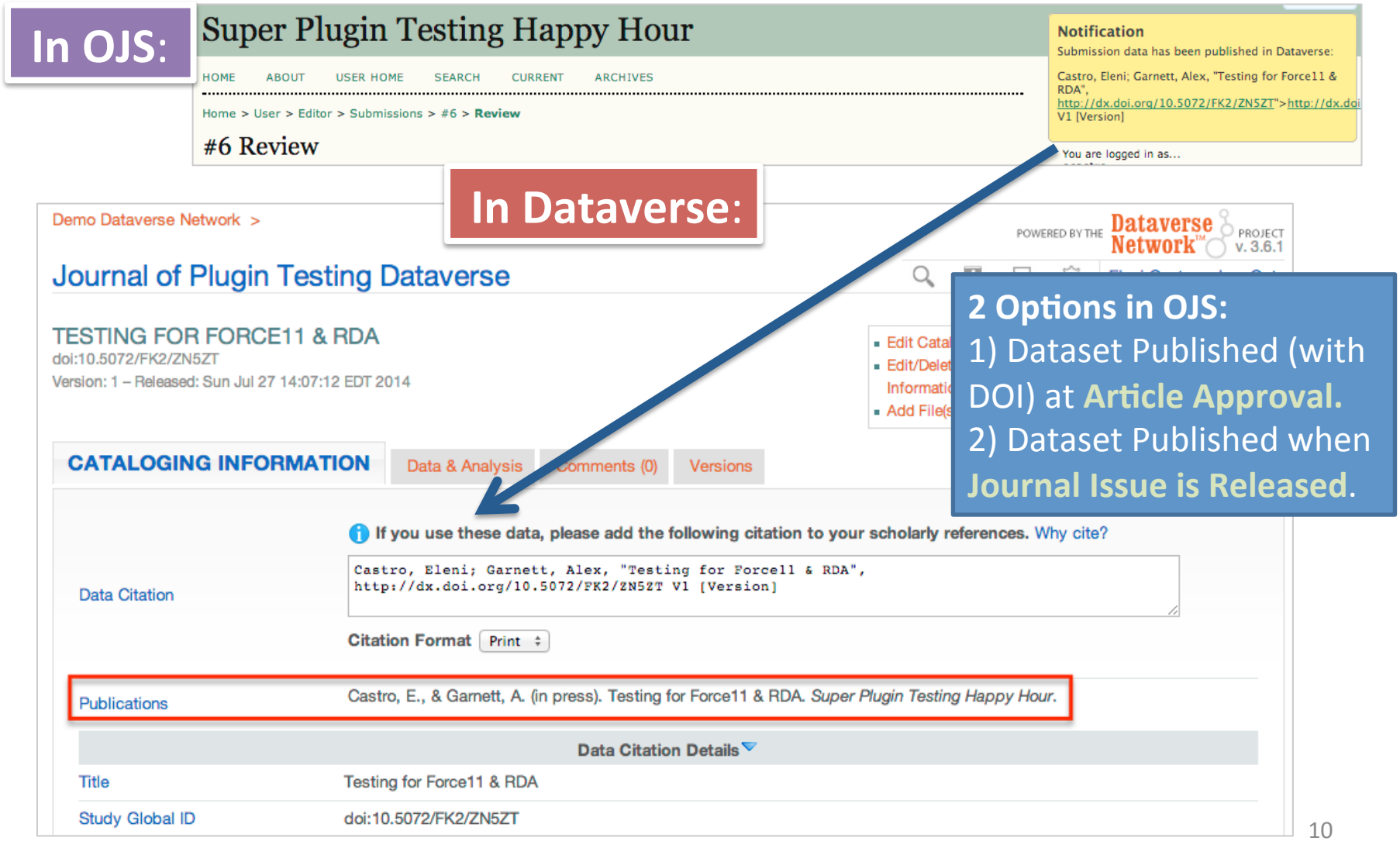



**Option** to: (A) deposit into Dataverse AND/OR; (B) if data is already in a repository can include the data citation (w/ persistent URL/identifier).

# OJS Plugin: Editor Reviews Article + Data Together



# Data Published in Dataverse w/ OJS Plugin



# OJS Plugin: Article Published w/ Data Citation

# 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**

Gherghina, S., & Katsanidou, A. (2013). Data availability in political science journals. *European Political Science* 12: 333-349. doi: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

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

# Thank you!

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