Linking Journals and Repositories Using OJS and Dataverse

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(and Jen Whitney @PKP and
Phil & Eleni @IQSS!)

“Why?”

"The most immediate of these obstacles is the lack of a consolidated infrastructure for the easy sharing of data" - JORD Project results via EDaWaX blog

"Any moves towards data sharing are dependent upon the **cooperation of journals**.”* – Sergiu Ghergina and Dr. Alexia Katsanidou

*from European Political Science 2013: Data Availability In Political Science Journals

Open Journal Systems (OJS)

PKP
PUBLIC KNOWLEDGE PROJECT

Open source journal management and publishing system created by PKP to expand & improve access to research.

OJS …

- ✓ About 7000 journals worldwide using OJS considered to be “actively publishing” as of 2013
- ✓ Universal Metadata standards (expandable Dublin Core).
- ✓ Interoperability with other systems through standard protocols (such as OAI-PMH, APIs).
- ✓ Option for backups and replication of journals in different locations (LOCKSS) so access is never lost.

PKP

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The Story So Far

2 year Sloan Foundation grant (2012-2014):

Public Knowledge Project (PKP)

- Simon Fraser University
- Stanford University (John Willinsky)

Dataverse Network Project

- Harvard University's Institute for Quantitative Social Science (IQSS) (Gary King & Merce Crosas)
- Micah Altman – Director of Research at MIT

PKP

PUBLIC KNOWLEDGE PROJECT

The Dataverse Network™ Project

Timeline

- June 2012 – Work began
- Mid 2013 – IASSIST & PKP presentations
- Sept 2013 – Prototype complete
- Late 2013 – External testing begins
- Feb 2014 – Wide release of plugin announced
- March 2014 – External production use begins
- May 2014 – Dataverse plugin now ships in OJS

Committed users

- Co-Action Publishing (28 Journals; PKP hosted)
- University of Pittsburgh (3 Journals)
- Ubiquity Press (19 Journals)
- University of Alberta Library (forthcoming)
- Ontario ScholarsPortal (5 Journals)

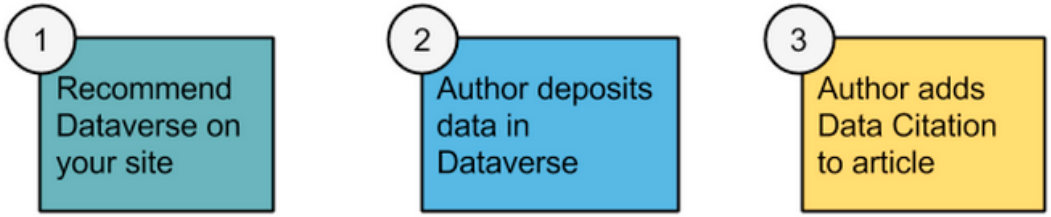
Core plugin functionality

- Significantly improves OJS file-level metadata
- Facilitates data sharing and archiving via concurrent deposit and persistent identifiers (citations generated & published both ways)
- Allows rapid publication & peer review of data

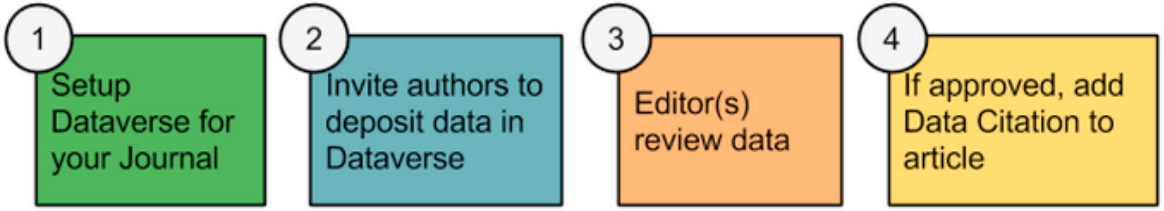
- **Bonus:** Development process hugely improved OJS SWORD functionality & Dataverse API

Journals Working With Dataverse

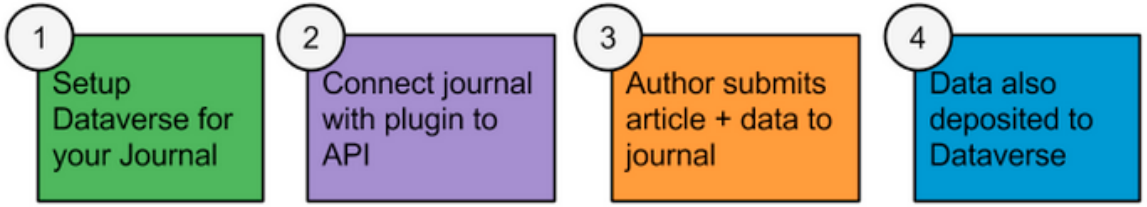
Option A. Journals include Dataverse as a Recommended Repository



Option B. Authors Contribute Directly to a Journal Dataverse



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



Which Workflow?

Slide acknowledgement: Merce Crosas

http://tinyurl.com/ojsdvplugin

Mike Nason
@AhemNason

Unusually excited by @pkp additions of Dataverse support for linked data in #ojs

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Dataverse Network
@thedataorg

Following

"Building a Bridge btw Journal articles and Research Data" slides now available @mercecrosas @pkp thedata.org/presentations/… #idcc14

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Scholars Portal
@scholarsportal

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Scholars Portal now supports Dataverse integration with our hosted OJS journals pkp.sfu.ca/dataverse-netw…

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8:19 AM - 14 Apr 2014

SWORD

- XML+ZIP-driven CRUD API
  - Scholarly-use profile of AtomPub
- Maintained by Cottage Labs (developers of OpenDOAR)
  - They're good about our pull requests!
- Chosen for Dataverse API v1 because of currently popularity & existing code in OJS.

Next steps

- Dataverse 4.0 API support
  - Dataverse devs have been great about discussing changes to a more open-ended JSON API
  - not married to SWORD; don't want duplicate work
  - relatively easy for us to support new API right now

• INFORMATION

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LANGUAGES

Install Locale

OJS can be made available to users in any of several supported languages. As well, OJS can operate as a multilingual system, providing users with an ability to toggle between languages on each page, and allowing certain data to be entered in several additional languages.

If a language supported by OJS is not listed below, ask your site administrator to install the language from the site administration interface. For instructions on adding support for new languages, please consult the OJS documentation.

	Enable	Locale	Primary locale	UI	Submissions	Forms
✎	☑	English	◉	☑	☑	☑
✎	☑	Deutsch *	○	☑	☑	☑
✎	☑	Español *	○	☑	☑	☑
✎	☑	Français *	○	☑	☑	☑
✎	☑	Português (Brasil) *	○	☑	☑	☑
✎	☑	Português (Portugal) *	○	☑	☐	☐

Marked locales may be incomplete.

OJS 3.x plugin is happening!

- Being developed alongside OJS 3.0 beta
- 6mo funding extension is extremely helpful
  - Helps ensure that all functionality will be migrated
- Might make OJS better looking than Dataverse

Thanks

- Credit to Jen @ PKP/Carleton, who's done >90% of the actual plugin code

- Eleni, Phil and the rest of the DVN team for being great to work with

- Todd/Merce/Dryad/IQSS/Sloan for this event!

Questions?