

# Linking Journals and Repositories Using OJS and Dataverse

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(and Jen Whitney @PKP and

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# “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

# Open Journal Systems (OJS)

The screenshot shows the homepage of the Open Health Data journal. The header features the 'UPmetaJournals' logo, the journal title 'open health data', and the 'ubiquity press open access' logo. A navigation bar includes links for Home, About, Editorial Board, Contact, Repositories, FAQ, Articles, and Archive. On the left, there is a login/register section, social media links for Twitter and RSS, and a tweet from UCL Open Access. The main content area includes a description of the journal, a cartoon illustration of a person on a book, and sections for 'Most recent articles' and 'Most popular articles'. A sidebar on the right contains an advertisement for 'Open Access in developing countries' by EIFL.

UPmetaJournals

open health data

ubiquity press open access

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UCL Open Access @UCLoA funding

UCL researchers: check out our wonderful Open Access FAQs, they explain how to use central funds to pay for your oa: <http://t.co/IIPIOFIKRL1>

Open Health Data is a peer-reviewed journal publishing papers that describe openly-accessible datasets with high reuse potential. We work with trusted data repositories to ensure that associated datasets are professionally archived, preserved, and openly available.

Open Health Data was previously published as the *Journal of Open Public Health Data*. The title and scope of the journal were amended on 1 January 2014 to support a broader range of health research.

Most recent articles

Nagulapalli  
Data from "Social determinants of unmet hospitalisation need..."  
04 Nov 2013

Most popular articles

Alexander, Wint  
Projected Population Proximity Indices (30km) for 2005, 2030 & 2050  
11 Jul 2013

Ads

eifl  
Open Access in developing countries

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.

# 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

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PUBLIC  
KNOWLEDGE  
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

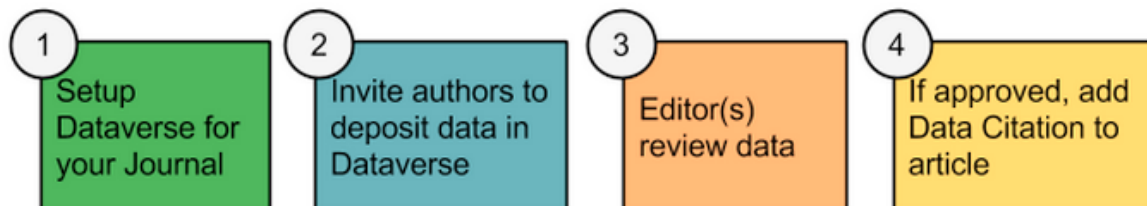


# Journals Working With Dataverse

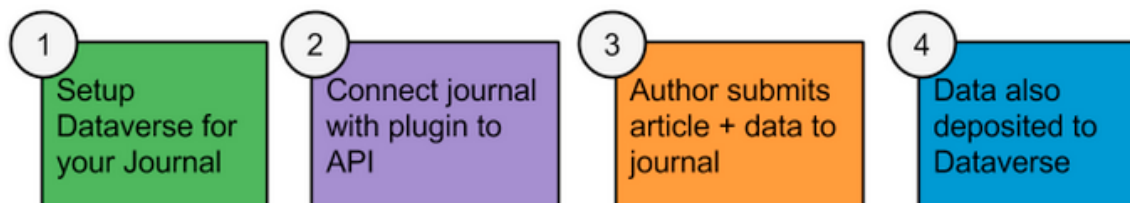
## Option A. Journals include Dataverse as a Recommended Repository



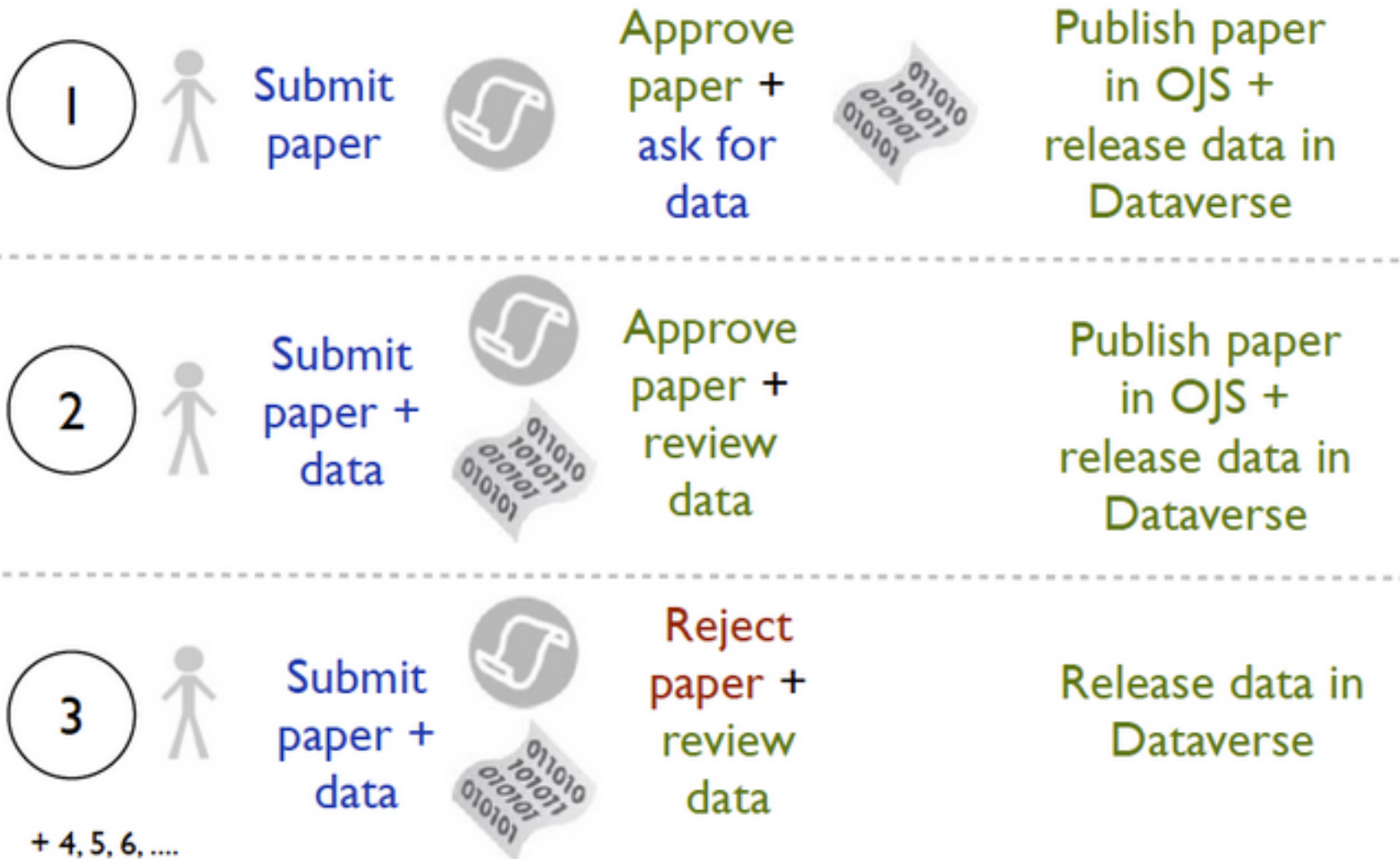
## Option B. Authors Contribute Directly to a Journal Dataverse

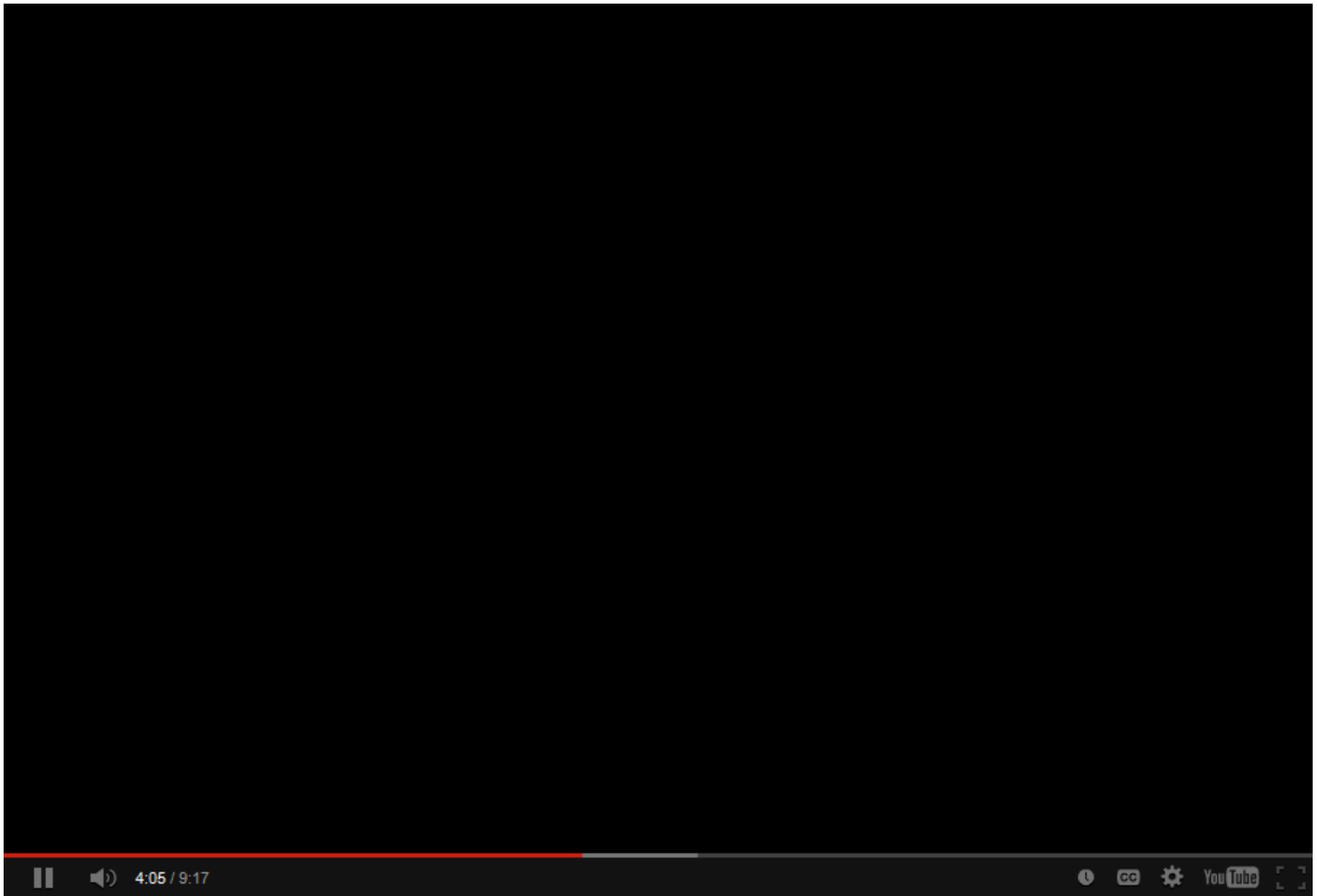


## Option C. Seamless Integration btw Journal + Dataverse (e.g., OJS)



# Which Workflow?





<http://tinyurl.com/ojsdvplugin>



**Dataverse Network**  
@thedataorg



Following

"Building a Bridge btw Journal articles and Research Data" slides now available  
[@mercecrosas](#) [@pkp](#)  
[thedata.org/presentations/...](http://thedata.org/presentations/...) #idcc14

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12:42 PM - 26 Feb 2014



**Mike Nason**  
@AhemNason

Unusually excited by [@pkp](#) additions of Dataverse support for linked data in #ojs

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7:22 AM - 14 May 2014



**Scholars Portal**  
@scholarsportal



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Scholars Portal now supports Dataverse integration with our hosted OJS journals  
[pkp.sfu.ca/dataverse-netw...](http://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

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### LANGUAGES

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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
	<input checked="" type="checkbox"/>	English	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	Deutsch *	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	Español *	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	Français *	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	Português (Brasil) *	<input type="radio"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	Português (Portugal) *	<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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?

