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# Community Update: Dryad & CDL

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California Digital Library





Open Access & Publishing

Collections



Discovery & Delivery



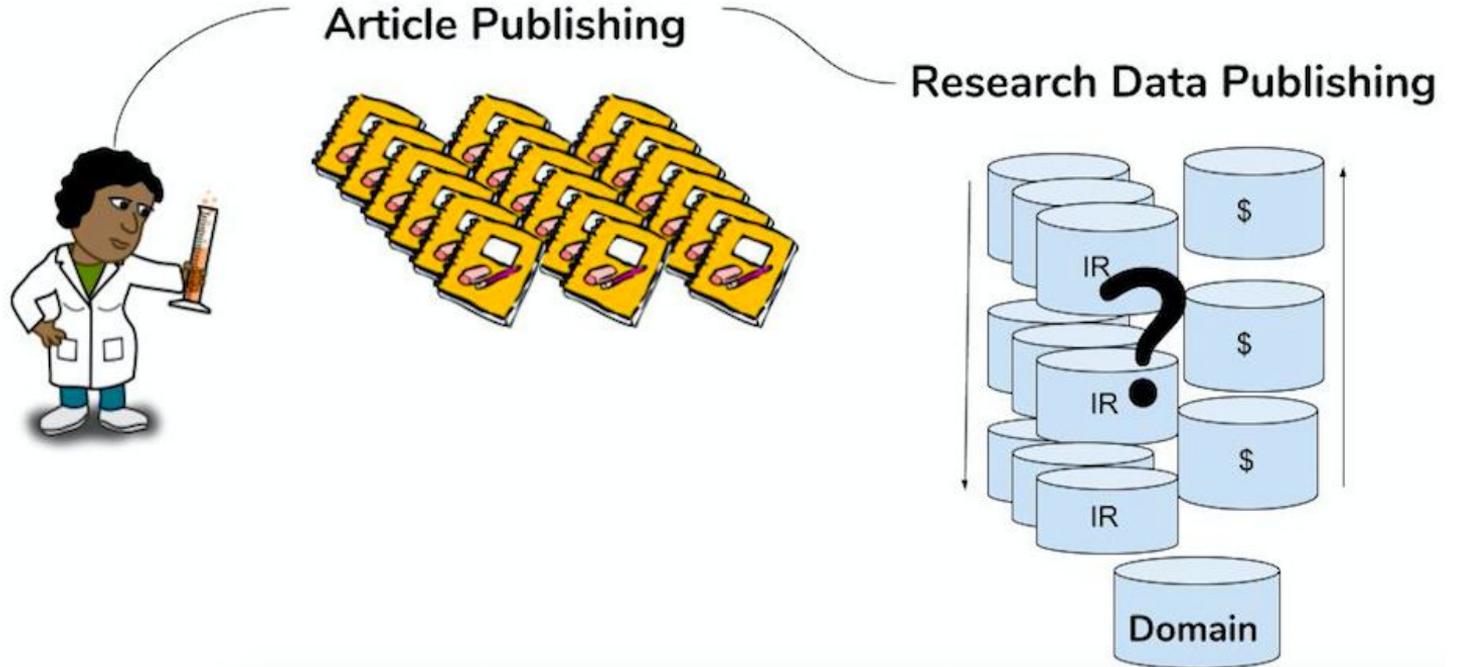
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# Data Publishing

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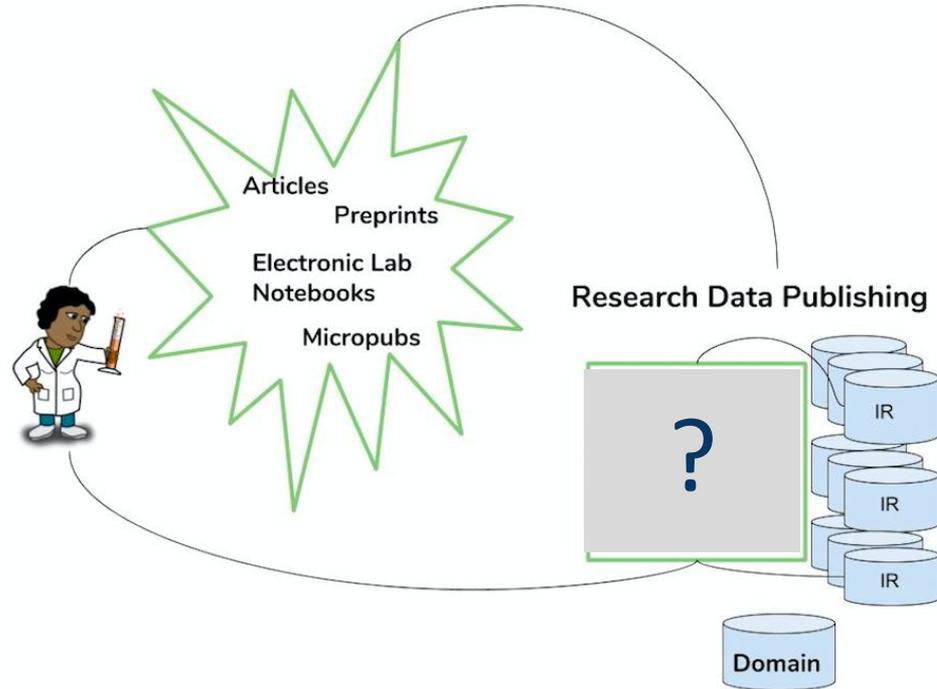
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# Current Landscape



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# Vision for Data Publishing



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# Framing the Problem

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**The world needs a place for  
quality research data to be  
openly available.**

**But, our products and focus  
have been misguided and our  
investments are inefficient.**

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## And...

Research data services are unaffordable

Researchers deposit where publishers guide them

Institutional repositories have not been effective

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# Research Data Support service

Research data refers to the collection of files that support your research project, study or publication (sometimes called datasets).

Our Research Data Support service is a paid curation service for any **published author** (or those who are in the **process of publishing in a Springer Nature journal or book**). Authors that use the service often don't have the time, expertise or knowledge needed to:

- ✓ Organise data in a useful way.
- ✓ Meet funder or institutional requirements on data sharing.
- ✓ Get more credit and readership of their data and associated publication.

[Find out more about the benefits of sharing your research data.](#)

As standard, datasets cost **€300/£265/US\$340\*** and we accept most file types.

## Five facts about Research Data Management from Elsevier



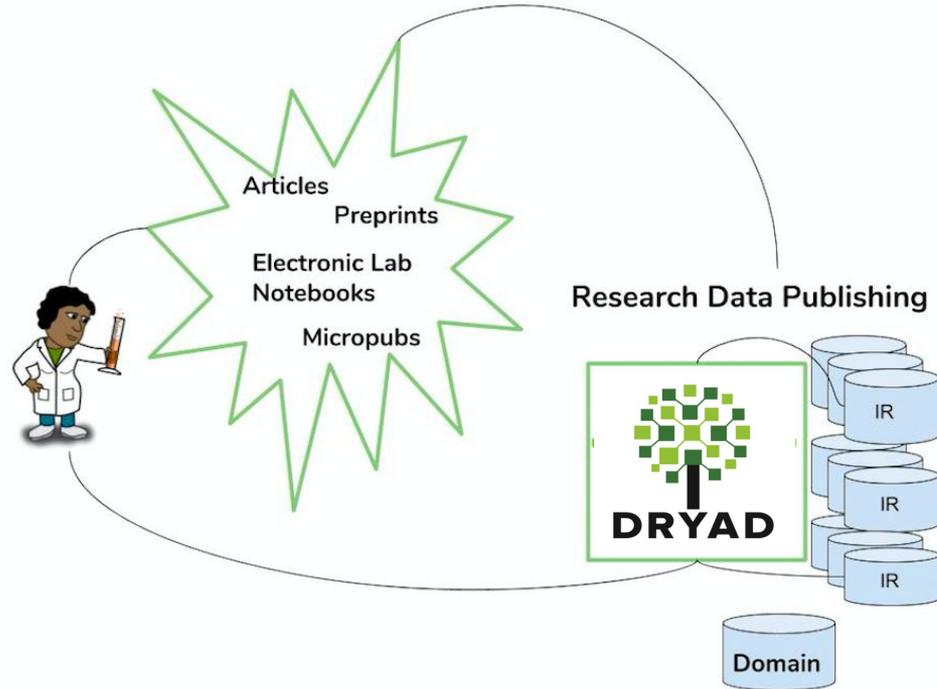
Open science can benefit research and society and drive research performance. Did you know Elsevier publishes open access, as well as having an active involvement in Research Data Management (RDM)? Here are five things you need to know.

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**But, effective support  
to the research  
community does not  
always mean building  
new products**

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# Vision for Data Publishing: Dryad



# We are launching a new Dryad



[Daniella Lowenberg@dryad] | Admin | Explore Data | About ▾ | Help ▾ | My Datasets | Logout

Search 

## Data from: Lineage tracing of human B cells reveals the in vivo landscape of human antibody class switching

Horns, Felix

Vollmers, Christopher

Croote, Derek

Mackey, Sally F.

Swan, Gary E.

Dekker, Cornelia L.

Davis, Mark M.

Quake, Stephen R.

Publication date: August 4, 2016

Publisher: Dryad

<https://doi.org/10.5061/dryad.bv989>

### Citation

Horns, Felix et al. (2016), Data from: Lineage tracing of human B cells reveals the in vivo landscape of human antibody class switching, Dryad, Dataset, <https://doi.org/10.5061/dryad.bv989>

 Download the dataset ~ 0 B

 Download Data Publication (PDF)

### Metrics

 193 views

 40 downloads

 [1 citations](#)

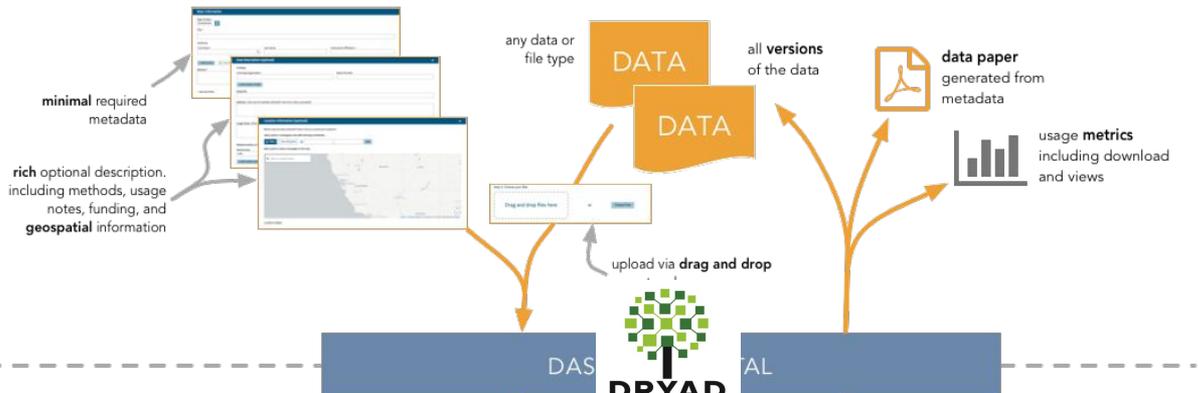
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FEATURES

Data Publishing Platform



Integration with wider research data management ecosystem

EXTERNAL SERVICES

Authentication

Disambiguation

DOI assignment

Shibboleth

ORCID

EZID

- or -

FundRef

DataCite

OAuth

FundRef

DataCite

STORE

SHARE

Solr index

HARVEST

Ruby on Rails application

Descriptive metadata indexed for discovery using Blacklight/GeoBlacklight

Pluggable protocol modules encapsulated as Ruby engines for flexible deployment, (re)configuration, and extension.

Datasets provided with scientifically-meaningful description using the DataCite metadata schema.

Deposit via SWORD (Simple Web-service Offering Repository Deposit) standard protocol

Metadata harvest via OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting) or ResourceSync standard protocol

any standards-compliant repository

TECHNICAL IMPLEMENTATION

UNDERLYING REPOSITORY

Preservation repository

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# New Dryad platform

- ❑ Built on top of **Core Trust Seal** Certified preservation repository
  - ❑ Standards based
    - ❑ SWORD, OAI-PMH, **Schema.org (Google Data Search)**
    - ❑ DataCite schema, **ORCID** login/co-author ORCIDs, Funder Registry, Versioning, Research Organization Registry (**ROR**) **Organization IDs**
  - ❑ Large datasets accepted via cloud manifest
  - ❑ Submission and Download **REST APIs**
  - ❑ Administration and curation layer
  - ❑ Standardized data usage and citation metrics (**Make Data Count**)
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# Publisher Integration Plans

- ScholarOne- 2019
  - Editorial Manager- 2020
  - Plans to integrate with:
    - Coko / xPub
    - PKP/OJS
  - Working to integrate with:
    - Highwire (BioRxiv)
    - Publisher built platforms
-

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# Other Integration Plans

- Jupyter Notebooks / Python Packages
  - rOpenSci
  - Europe PMC & EBI Repositories
  - PubMed & NCBI Repositories
  - NSF Funded Domain Repositories
  - Protocols.io
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# Membership Model

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# A New Day for Dryad

There so much is new activity at Dryad! As we prepare to relaunch our platform later this summer, we've been hard at work on:

1. Rolling out a new **Institutional Membership** plan with enhanced benefits
2. Planning for an upcoming webinar
3. Redesigning our logo!



A New Way to Partner with us: Institutional Memberships

CAL STATE  
**EAST BAY**



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# Institutional Membership

1. Single sign-on and branding
  2. Free deposits and storage for researchers
  3. Access to a network of curators
  4. Voice in our community
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We are a **community** who support data curation, data publishing, and data preservation adoption.

We should **band together** and support **community-owned** research data infrastructure!

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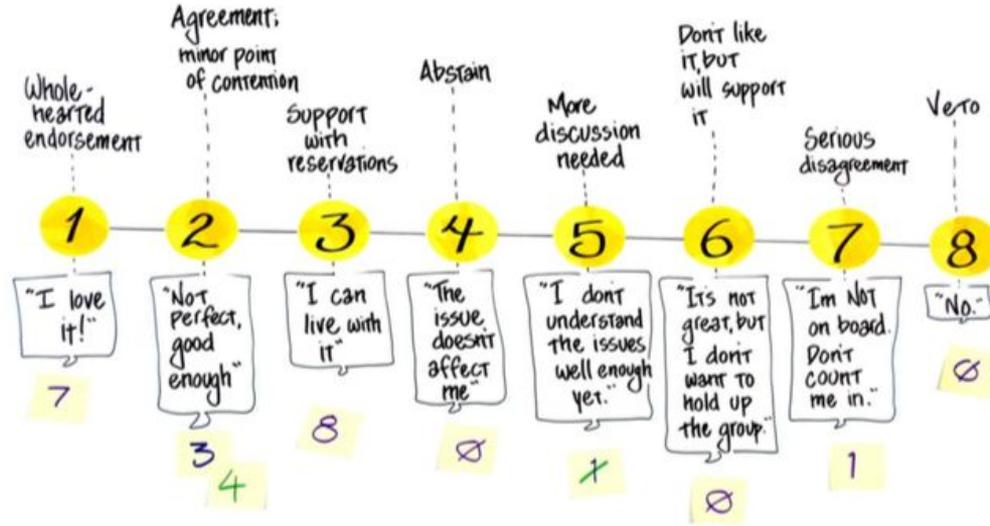
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# Roadmap & Next Steps

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# Workshop 1: IMLS & Libraries

## GRADIENTS of AGREEMENT



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# Workshop 2: Publishers

- British Medical Journal
- eLife
- Hindawi
- PLOS
- Wiley
- Taylor & Francis
- F1000
- Springer Nature
- Europe PMC
- Royal Society
- Oxford University Press



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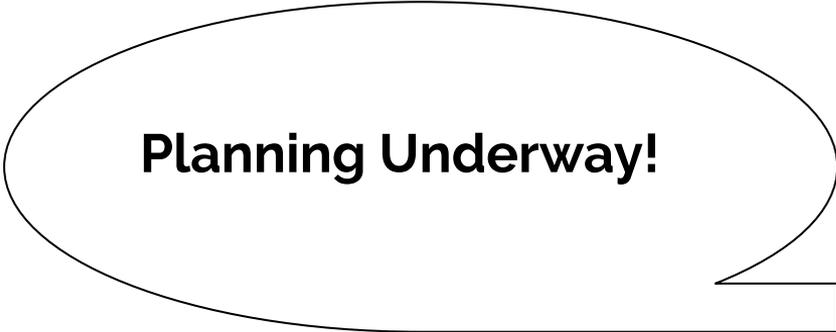
# Workshop 3: Researchers



National Science Foundation  
WHERE DISCOVERIES BEGIN

Award Abstract #1839032

Community Meeting on Scalable Data Publication Infrastructure



Planning Underway!

A large, white speech bubble with a black outline and a tail pointing to the right, containing the text 'Planning Underway!'.

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# Product Launch

March, 2019: Features Complete, API & sandbox available

April-June, 2019: Load and user testing

Road to production...



**DRYAD**

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# Questions?

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University of California

**CDL**

California Digital Library

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