Maintaining & Advancing Data Publishing at Dryad

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California Digital Library
Maintaining Support for UC Researchers
UC: Global Leader in Research

10% of US research

50,000 article publications a year

<100 data publications in Dash each year
Brand Recognition

Researchers, publishers, and funders were not aware of or endorsing Dash.
Campus Costs
Quality Curation

We had no real curation workflows. We did not use campus based resources
Connection to Larger Ecosystem

Dash was not embedded in research workflows
So how can we maintain and promote data pub in a central, adopted place?
Dryad Partnership
Dryad: leader in open data

90,000+ researchers

28,000+ data publications

2,100+ international institutions

900+ academic journals represented
Maintaining means iterating, advancing, and meeting researchers where they are.
We are launching a new Dryad

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

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New Dryad platform

- Preservation: Built on top of Core Trust Seal Certified preservation repository
- Standards and identifiers 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
- Transparent administration and curation layer
- Standardized data usage and citation metrics (Make Data Count)
API Based Integrations

- Publisher Level:
  - ScholarOne
  - Editorial Manager
  - Coko
  - AAAS

- Other Integrations:
  - Jupyter/Python
  - Europe PMC / EBI
  - PubMed Central/
    NCBI repositories
  - Protocols.io
  - Domain repositories
Maintaining means iterating, advancing, and meeting researchers where they are.
Funded Partnership Brings Dryad and Zenodo Closer
Want to learn more?

https://dryad-stg.cdlib.org