

CDL & Dryad Open Source Success Story

UC - University of California System

California is a microcosm of the world

The largest (and we think the best) public university system in the US, if not the world

10 campuses, 5 medical centers, 3 national labs, and numerous field stations around the world

250,000+ students, 61 nobel laureates, 150 academic disciplines, 600 academic degree programs; we conduct 1/12 of all federally-funded research in the US

CDL - California Digital Library

CDL provides transformative digital library services, grounded in campus partnerships and extended through external collaborations, that amplify the impact of the libraries, scholarship, and resources of the University of California

Four active programs:

- Access & Publishing
- Discovery & Delivery
- Collections & Licensing
- UC Curation Center

UC3 - University of California Curation Center

CDL's Digital Curation program: maintaining, preserving, and adding value to digital research data throughout its lifecycle

UC3 currently focuses on:

- Digital preservation
- Research data management
- Data metrics
- Data/software skills training for librarians
- Persistent identifiers

CDL's Dash platform

- ❑ Modular, nimble platform
- ❑ Standards based
 - ❑ SWORD, OAI-PMH, DataCite schema, ORCID login, Funder Registry, Versioning
- ❑ Large datasets accepted via cloud capabilities
- ❑ Submission and Download APIs
- ❑ Administration and curation layer
- ❑ Standardized data usage and citation metrics

Open Source Success Metrics

- ❑ Co-development
- ❑ Transparency of roadmaps
- ❑ Usability/ User approval
- ❑ Adoption
- ❑ Trust of the community
- ❑ Ability to change/evolve over time
- ❑ Open to partnerships

Open to partnership

Dryad

Community built leader in open data space

Trusted name in the researcher community

690+ relations with publishers

20,000+ data publications

Announcement: <http://bit.ly/DryadCDL>



Complementary with other strategic initiatives

CDL was explicitly created as a central unit within the UC system with a mission to coordinate, leverage, and amplify the experience, expertise, and capabilities of its partners. Some exemplars:

- Systemwide Melvyl (union catalog)
- Statewide Calisphere (digital special collections)
- Regionally WEST project (Shared Print)
- Nationally DMPTool (data management planning)
- Internationally EZID/N2T/NAAN (PIDs), Make Data Count

CDL & Dryad



A low-cost, open source, community built data publishing and curation service that leverages institutions and integrates into researcher workflows to drive adoption of curated data publishing

So, what may this look like?

Technical Transition

Dryad to migrate to Dash technology

Dash technology to leverage Dryad publisher relations

Dash branding will become “Dryad”

Co-development of the future Dash-based Dryad platform



For our community

Researchers can submit from publishing workflows

Free submission for researchers

Library, Dryad, and Data Curation Network curation services

Doesn't change relationship/workshop/resources offered

Campus Branding/Login to remain



Community Workshops

Institutions to give input on their needs and values

Community developed price points

Curation service levels (institutions plug in or opt for Dryad alone)

Preservation discussions (copies sent to institutional IR)



Dryad on CDL's Technology

- ❑ API: Direct integrations with publisher platforms and journals
- ❑ API: Dynamic data
- ❑ Curation Layer: Dryad and Data Curation Network curation of research data
- ❑ Metrics: Large sample size to show value of research data
- ❑ ORCID & Shibboleth Login: Branding and curation for institutional partners
- ❑ And more...

This is success!

CDL and Dryad



More information: <http://bit.ly/DryadCDL>