

DPN: Digital Preservation Network - A Brief Overview

<http://www.dpn.org/>

From their website:

The Digital Preservation Network (DPN) was formed to ensure that the complete scholarly record is preserved for future generations. DPN uses a federated approach to preservation. The higher education community has created many digital repositories to provide long-term preservation and access. By replicating multiple dark copies of these collections in diverse nodes, DPN protects against the risk of catastrophic loss due to technology, organizational or natural disasters.

Implementation:

In the DPN ecosystem, local repositories become contributing nodes, which ingest new forms of scholarship and new collections. DPN creates several federated, replicating nodes, which are digital repositories for the contributing nodes with a specific focus on long-term preservation. The replicating nodes contain redundant, dark copies of all deposits that can be brightened in cases of catastrophic loss. The diversity of the DPN nodes mitigates the risk of a single point of failure. Objects and metadata are replicated across nodes that embody organizational, technical, physical, and political diversity. A single point of failure cannot jeopardize centuries of scholarship.

Membership:

There are 50 current members: <http://www.dpn.org/members/>

(Such as: Brown, Cal Tech, Cornell, Columbia, Duke, Emory, Harvard, Indiana U, Johns Hopkins, MIT, Ohio State, Penn State, Princeton, Purdue, Stanford, U Illinois Urbana-Champaign, U Michigan, U North Carolina, U Texas, U Washington, Yale, etc. etc.)

Within the UC system, this includes:

- UC San Diego (Chronopolis; one of the founding nodes in DPN; ingest point for new data and provides replication services for other DPN nodes)
- UC Los Angeles
- California Digital Library
- NOTE: Details of a consortial membership have not yet been announced so CoUL will be discussing membership options in the future.

DPN is not yet in production and is still in its early stages of testing deliverables. They are currently planning for an initial ingest process. DPN members are permitted to submit up to 5 TB of new digital content to the network at no additional cost during each of the first six years of membership. Content can be submitted in excess of this allocation in the range of \$4,900/TB. DPN members will decide what content will be ingested. The UC Libraries currently hold over 37 TB of content in the CDL Merritt repository and 50 TB of web content in the Web Archiving Services (which is being transitioned to Archive-IT).

Other services to support the life cycle of research:

Each of the UC Libraries are developing a range of strategies and services to help scholars manage, preserve, and make their research data shareable. UC campus libraries are at different stages of development, and may be able to provide advice, potential solutions, or referrals.

The above-mentioned DPN is just one initiative that addresses "dark archive" preservation, and there are other services that address data management, access, and discovery of research content. We recommend that researchers contact their campus libraries if they are interested in learning more about these range of services.

UCB Library:

Doe Library Data Lab: <http://www.lib.berkeley.edu/libraries/data-lab>
Research Data Management Program: <http://researchdata.berkeley.edu>

UCD Library:

Research Data Management: <http://data.ucdavis.edu>

UCI Libraries:

Digital Scholarship Services: <http://www.lib.uci.edu/dss/>

UCLA Library:

Scholarly Communication Services:
<http://www.library.ucla.edu/support/copyright-data-publishing/scholarly-communication-services>
Data Management and Curation Services:
<http://www.library.ucla.edu/support/publishing-data-management/scholarly-communication-services/data-management-curation-services>

UCM Library:

Research Data Curation: <http://library.ucmerced.edu/research/researchers/research-data-curation>

UCR Library:

Scholarly Communication: <http://library.ucr.edu/view/scholarly>

UCSB Library:

Data Curation and Management:
<http://www.library.ucsb.edu/scholarly-communication/data-curation-management>

UCSC Library:

Data Management: <http://guides.library.ucsc.edu/datamanagement/>

UCSD Library:

Research Data Curation Program: <http://libraries.ucsd.edu/services/data-curation/>

UCSF Library:

Data Sharing & Data Management: <http://guides.ucsf.edu/datamgmt>

California Digital Library (CDL):

UC3 University of California Curation Center: <http://www.cdlib.org/uc3/>
UC3 Merritt: <https://merritt.cdlib.org/>