University of California
CDL
California Digital Library

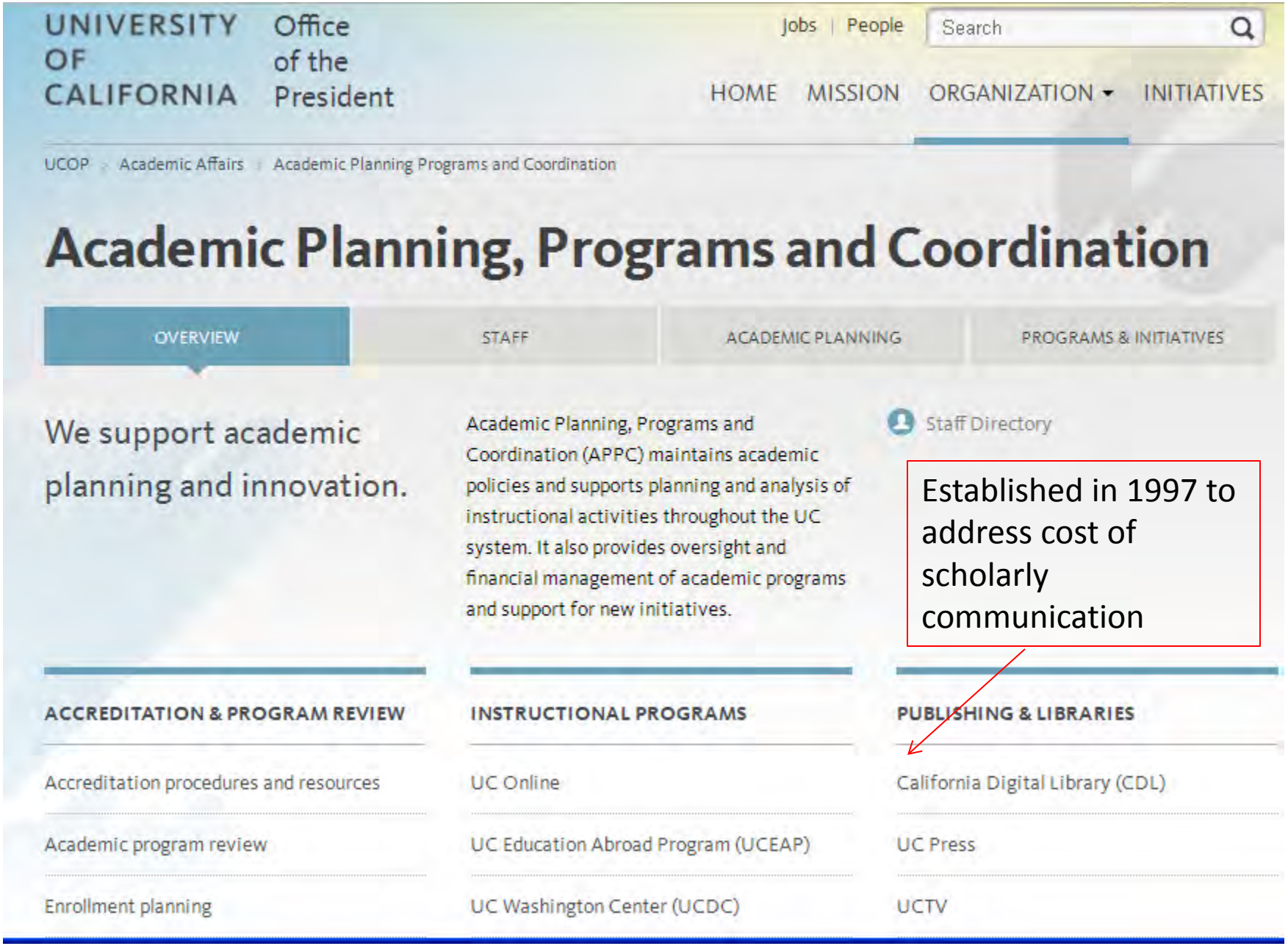
A “Strategic Resource” for UC

Laine Farley, Executive Director
UC Berkeley Library Committee
March 19, 2013

Road Map

- Brief background
- What is a digital library anyway?
- What's new?
- How does CDL help the campuses?
- Utopic vision: what CDL could be if it had ideal staffing and funding

1885 map prepared for the Oakland Daily Evening Tribune
http://content.cdlib.org/ark:/13030/kt4d5nd22w/?order=1
Source: Oakland Public Library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UCOP › Academic Affairs › Academic Planning Programs and Coordination
Academic Planning, Programs and Coordination
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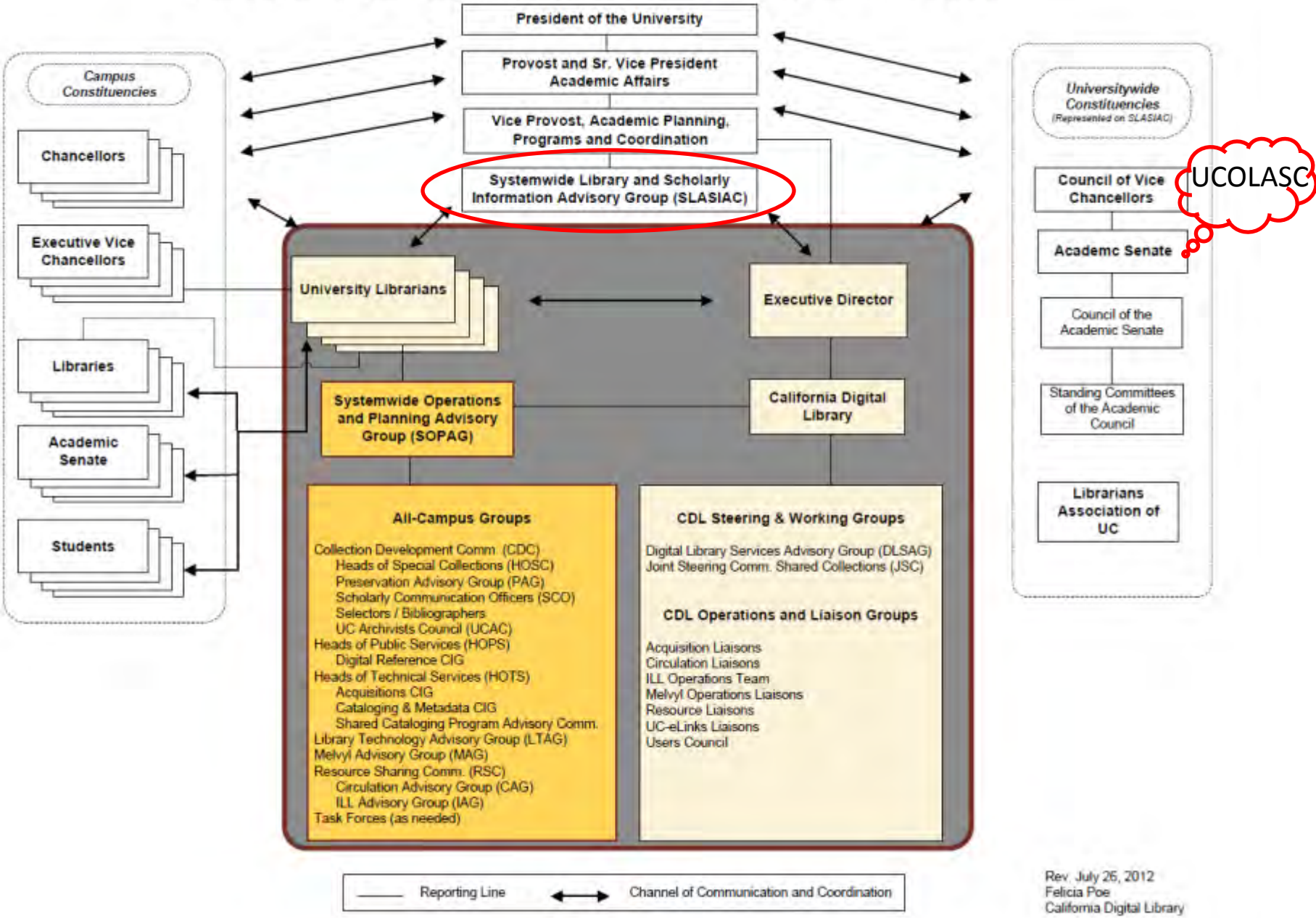
PROGRAMS & INITIATIVES
We support academic planning and innovation.
Academic Planning, Programs and Coordination (APPC) maintains academic policies and supports planning and analysis of instructional activities throughout the UC system. It also provides oversight and financial management of academic programs and support for new initiatives.
Staff Directory
Established in 1997 to address cost of scholarly communication
ACCREDITATION & PROGRAM REVIEW
Accreditation procedures and resources
Academic program review
Enrollment planning
INSTRUCTIONAL PROGRAMS
UC Online
UC Education Abroad Program (UCEAP)
UC Washington Center (UCDC)
PUBLISHING & LIBRARIES
California Digital Library (CDL)
UC Press
UCTV

Components of the Planning & Consultative Structure for UC Libraries



Rev. July 26, 2012
Felicia Poe
California Digital Library

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What is a digital library?

CDL provides…

Over 20 award-winning services supporting the

What libraries have always done…

Lifecycle Stage		Service	Functions
RESEARCH - Locate	Books and other formats	Melvyl® The Catalog of the University of California Libraries	Search for materials owned by UC libraries and libraries worldwide
	Licensed collections	CDL Collections, working with UC libraries; negotiating, analysis	Acquire 50K journals, 500K books, over 500 databases
	Primarily books	HATHI TRUST	Search 10M books digitized from over 80 libraries and view over 3M in the public domain
RESEARCH - Use	Primarily articles	UC-eLinks	Connect from citations to publications
	Any format	Request Interlibrary Loan and Document Delivery	Request material not owned by UC libraries
RESEARCH - Special	Primary sources-- images	calisphere	View primary sources contributed by 120 CA libraries, archives, and museums
	Special collections	OAC Online Archive of California	Search detailed descriptions of primary resource collections maintained by more than 200 CA libraries, archives, historical societies, and museums

And now, moving farther up the life cycle…

Lifecycle Stage		Service	Functions
PLAN	Grant application	DMPTool Guidance and Resources for your Data Management Plan	Create, edit, share, and save data management plans to meet funder requirements
COLLECT	Data collection	DATA UP Describe, Manage, & Share Your Data	Open source add-in and web application for Microsoft Excel as a data collection tool
		web archiving service yesterday's web; today's archives	Collect and manage ephemeral web-published content
MANAGE , SHARE, SAVE	Tracking, management, citation	EZID long-term identifiers made easy	Create and manage persistent identifiers
	Storage, management, sharing	Merritt	Curation repository: store, manage, and share research data
PUBLISH	Scholarly publication	eScholarship University of California	Open access scholarly publishing services: 50,000 papers; 50 journals; books, seminars, and more
	Data publication	Data Publication platform	An infrastructure to publish and receive credit for sharing research data

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What's New?

escholarship.org/uc/medicalhumanities_perspectives

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Mh
Medical humanities

UC Medical Humanities Consortium

General Information

UC Medical Humanities Consortium

www.medicalhumanities.ucsf.edu

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Perspectives in Medical Humanities

There are 5 publications in this collection, published between 2011 and 2012.

Blanc, Paul D. MD; Dolan, Brian PhD: **At Work in The World**, 2012
Abstract: Proceedings of the Fourth International Conference on the History of Occupational and Environmental Health. From the conference that took place in San Francisco, CA, USA, June 19-22, 2010....

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Archive: http://www.archive.org/details

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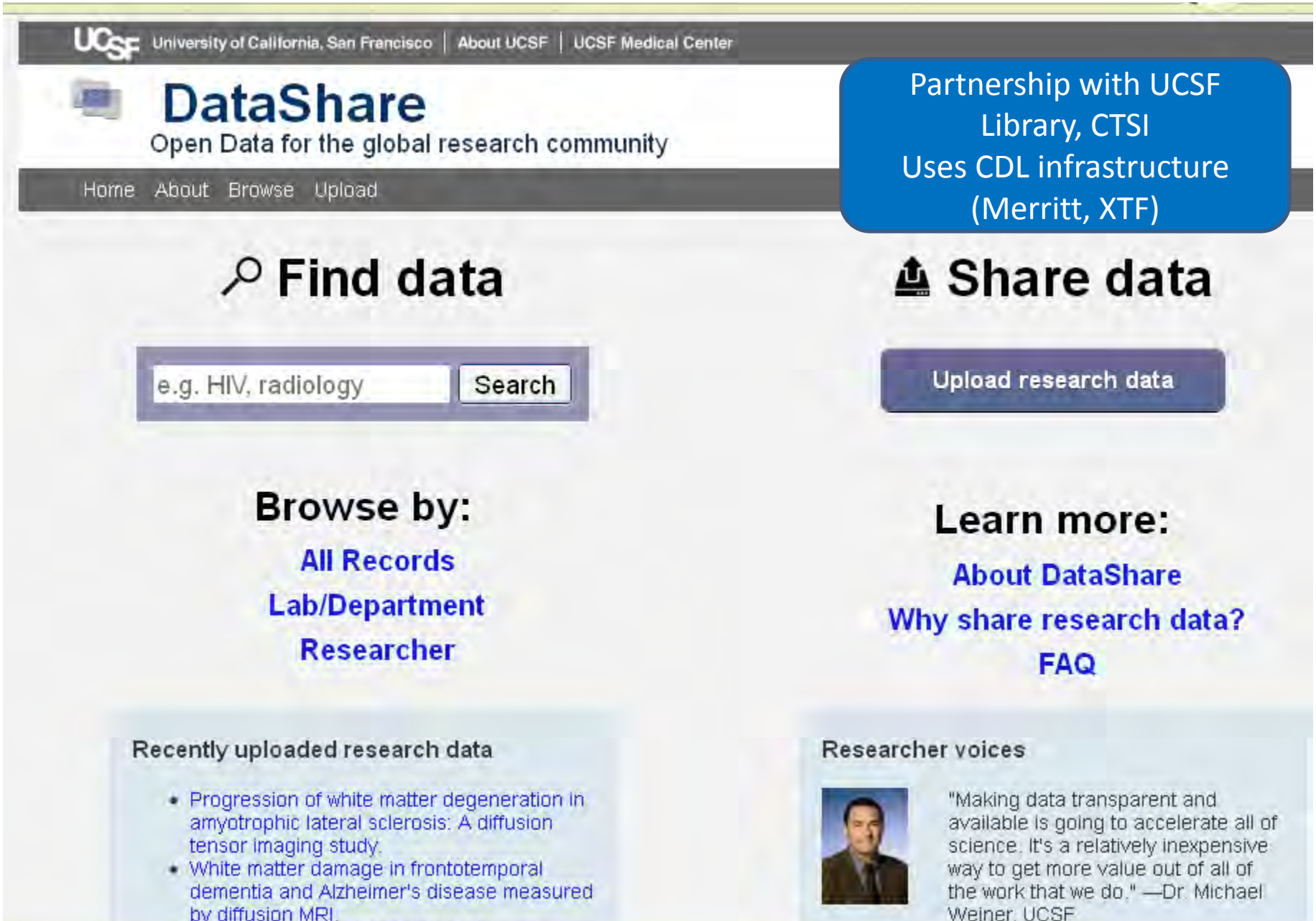
Current Issue, Volume 41, 2012

Focus: Caribbean Studies and Literatures

Volume 41 of *Mester* includes articles of general interest and a special section focused on Caribbean studies and literatures.

New in data curation



New for HATHI TRUST

- HathiTrust Research Center
  - "A box that's opened for the first time"
    - Copyrighted works: Safe and secure access, safe computational environment
    - Ask questions within HTRC without violating copyright
  - "We will see whole new patterns that were invisible before" …that you can't see as an individual reader
    - "Glimpse patterns in 19th c. literary history"
    - Make results available; ability to repeat methods
- Video: http://www.hathitrust.org/node/1172

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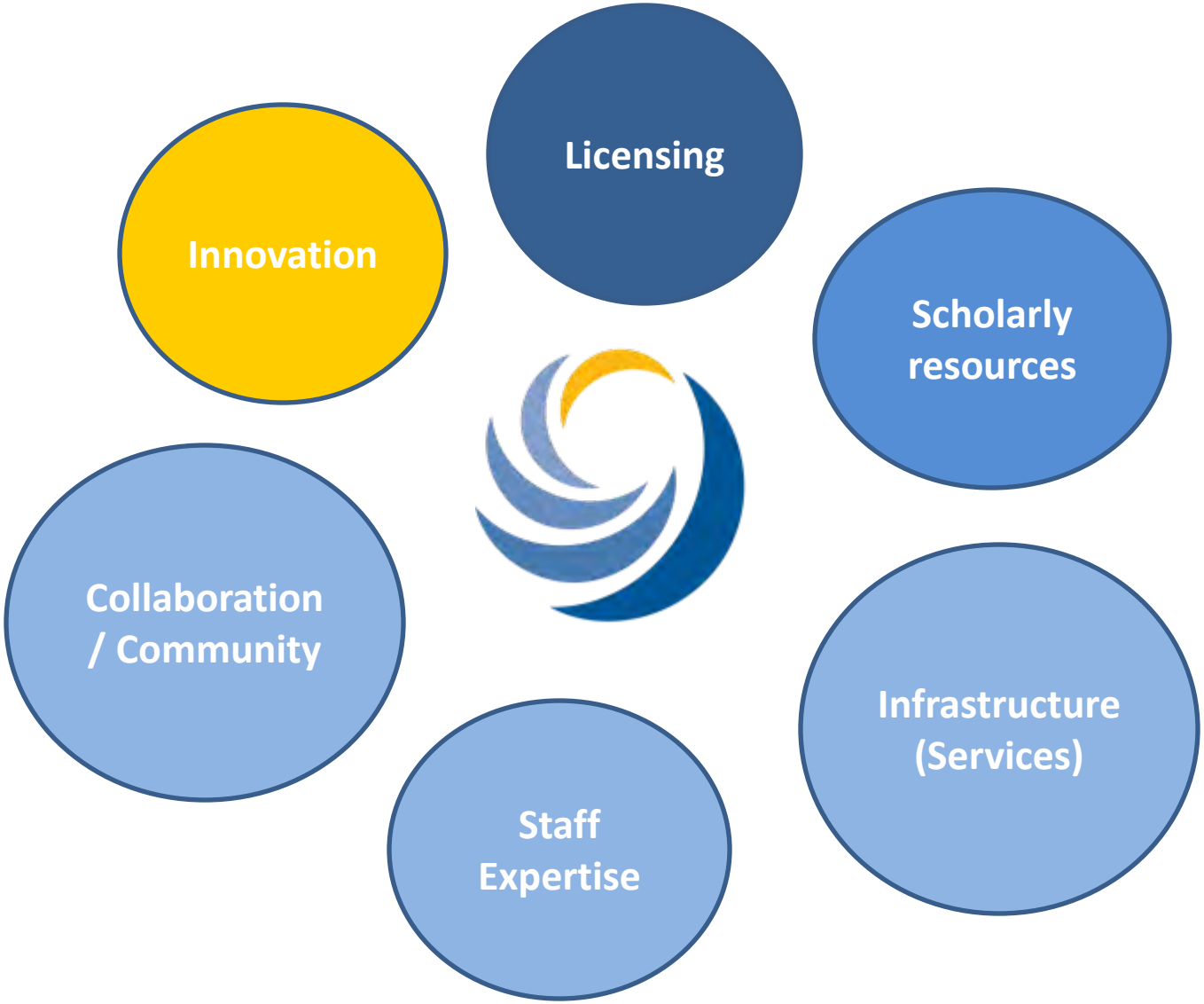
How does CDL help the campuses?

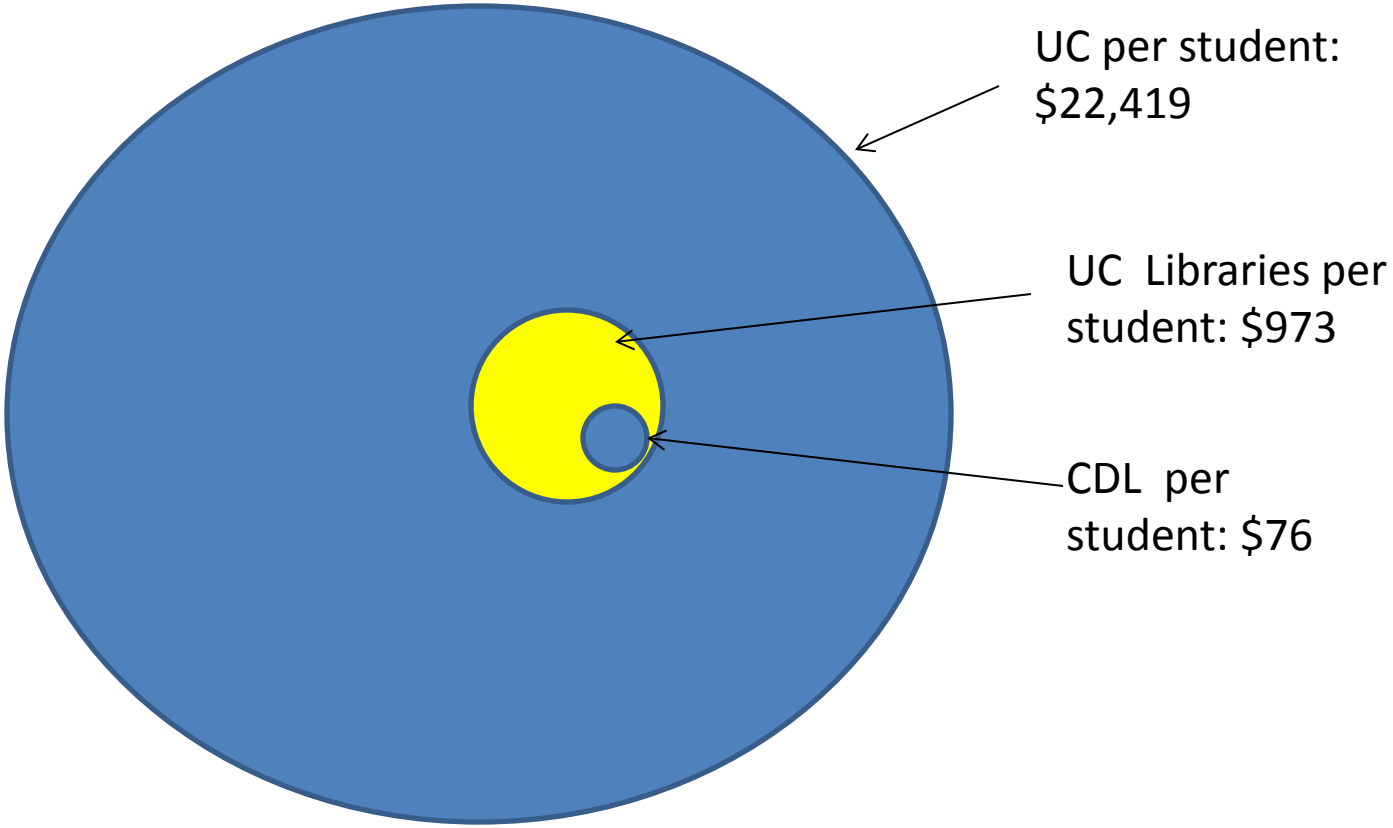
CDL Review - Value Statements



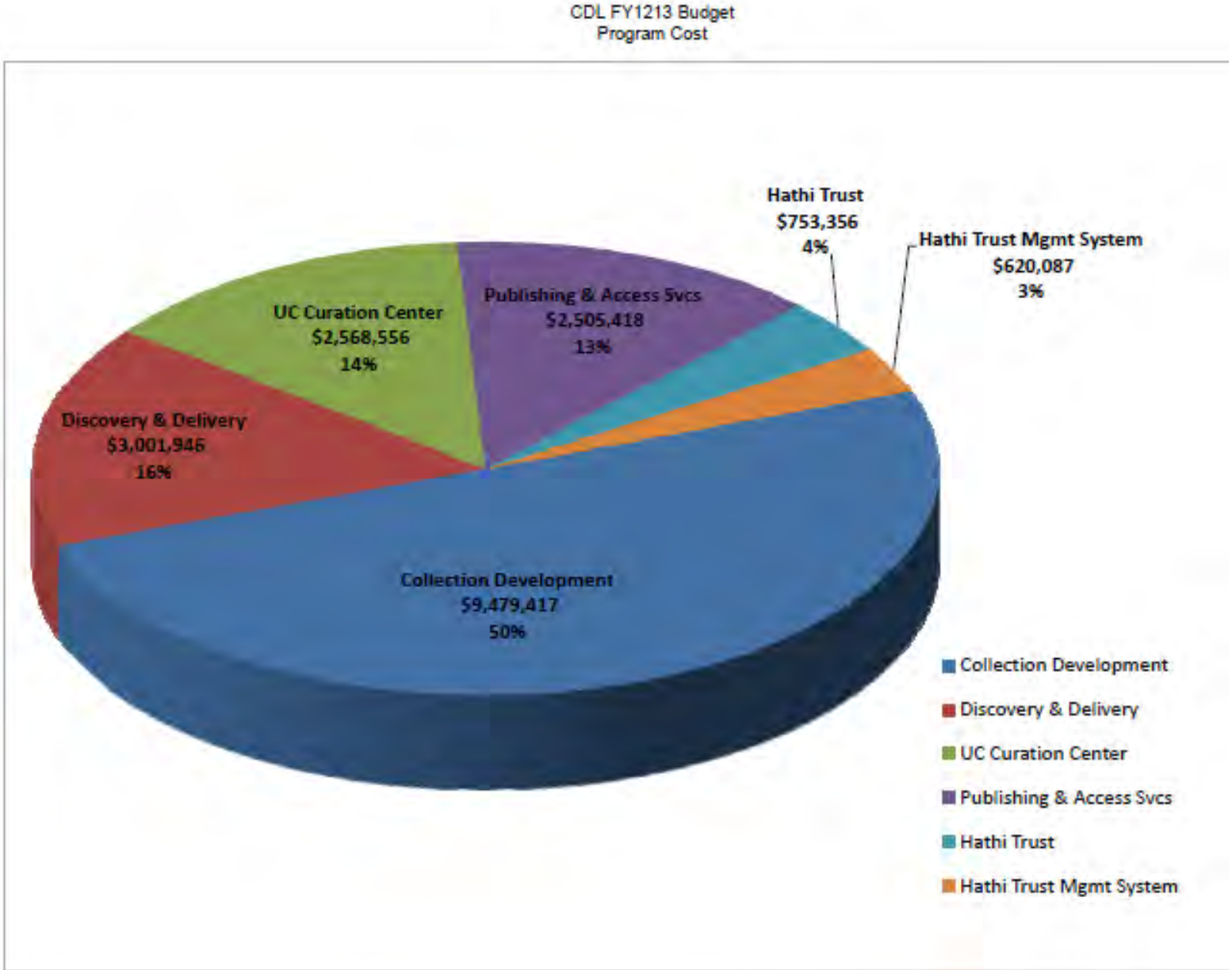
From CDL Review

Value - "A strategic resource for UC…"

The CDL operates at a current annual cost-equivalent of $68 per UC faculty, student, and academic staff member (based on 2010 budget and data).

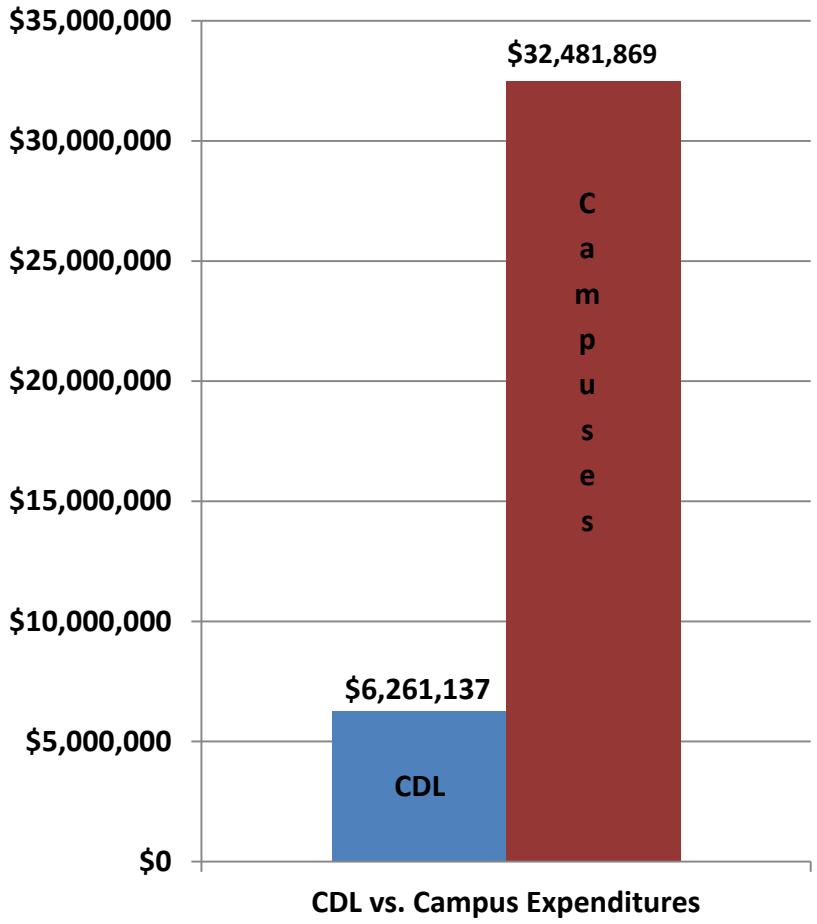


2012-2013 Budget

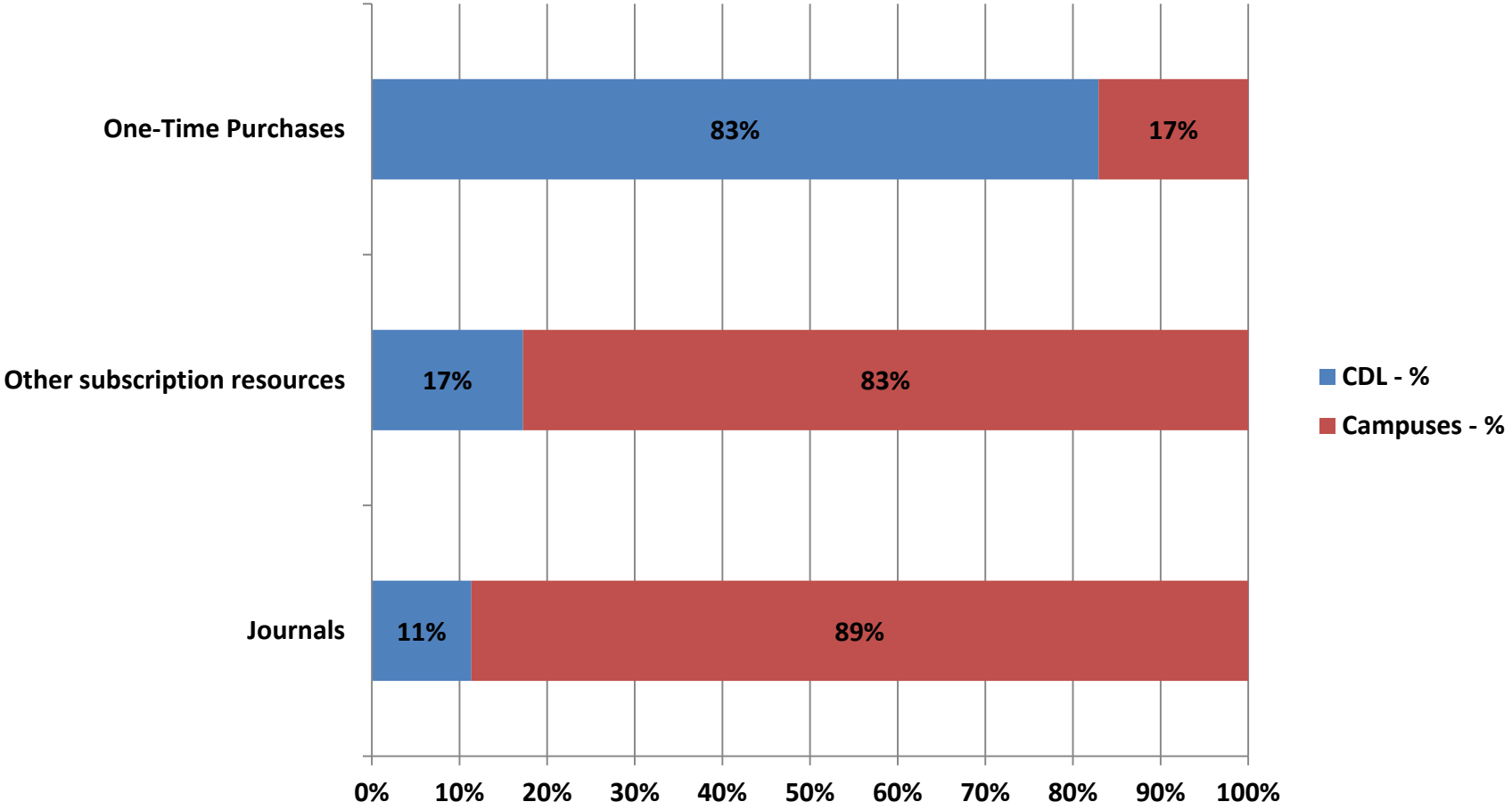


2011 Systemwide Content Expenditures

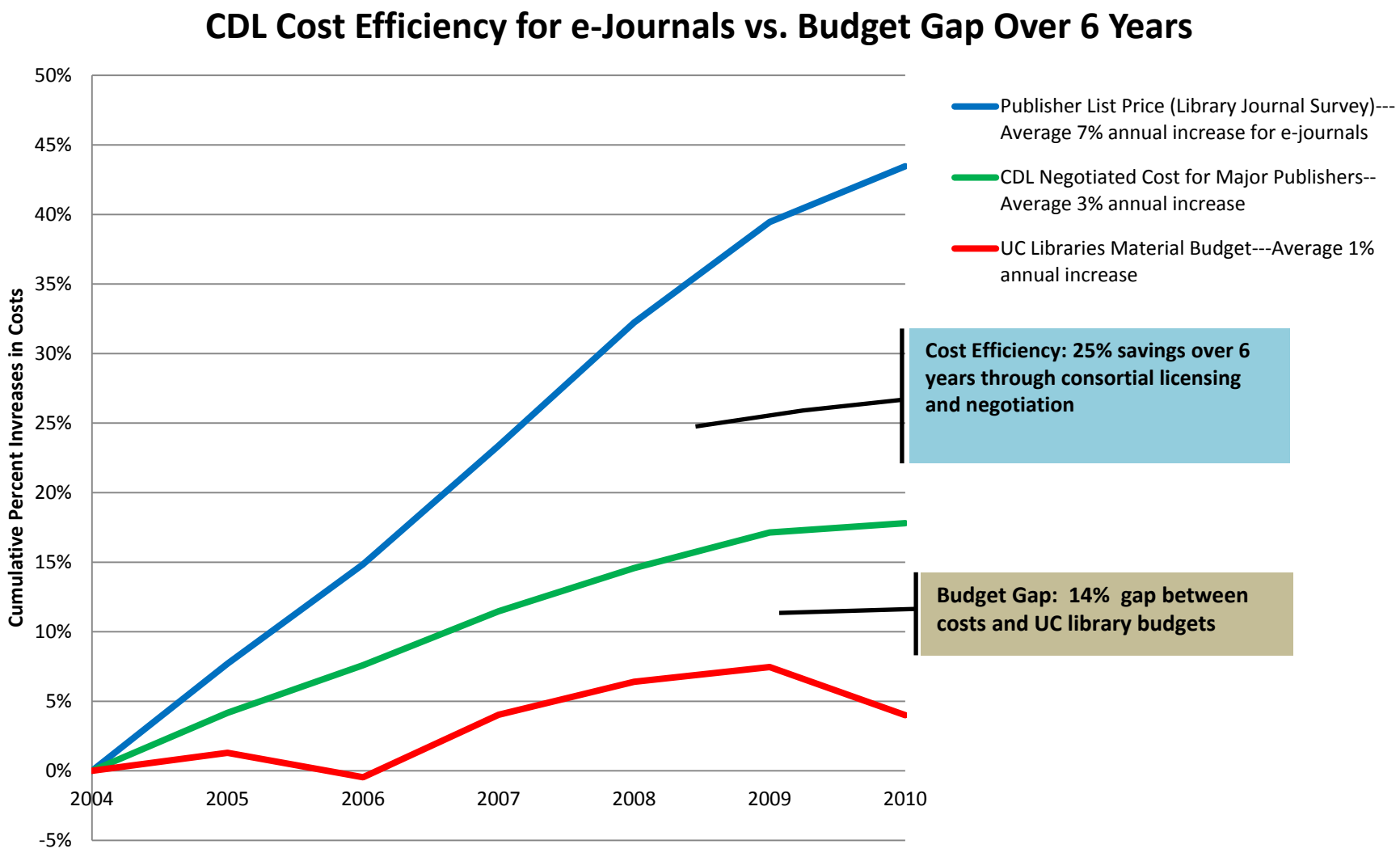
- Total Expenditures
  - $38,743,006
- CDL
  - $6,261,137
  - 16%
- Campuses
  - $32,481,869
  - 84%



CDL vs. Campus Contribution for Content, By Category



CDL efficiencies can't make up the entire budget shortfall



Budget 2012-2013
Augmentation Rationale

- Example: In 2006-2007, UC Libraries purchased 10,600 print copies of Springer books
- Between 2009-2011, conversion to a shared digital license had the following benefits:
  - lowered the unit cost per title per campus from $120 to $24
  - largely eliminated print, producing $1.7M in capital cost avoidance
  - increased the number of titles available at each campus to over 3500 new titles per year (equal to 35,000 copies systemwide)
- **Cumulative expenditure savings over three years: $1.3M**

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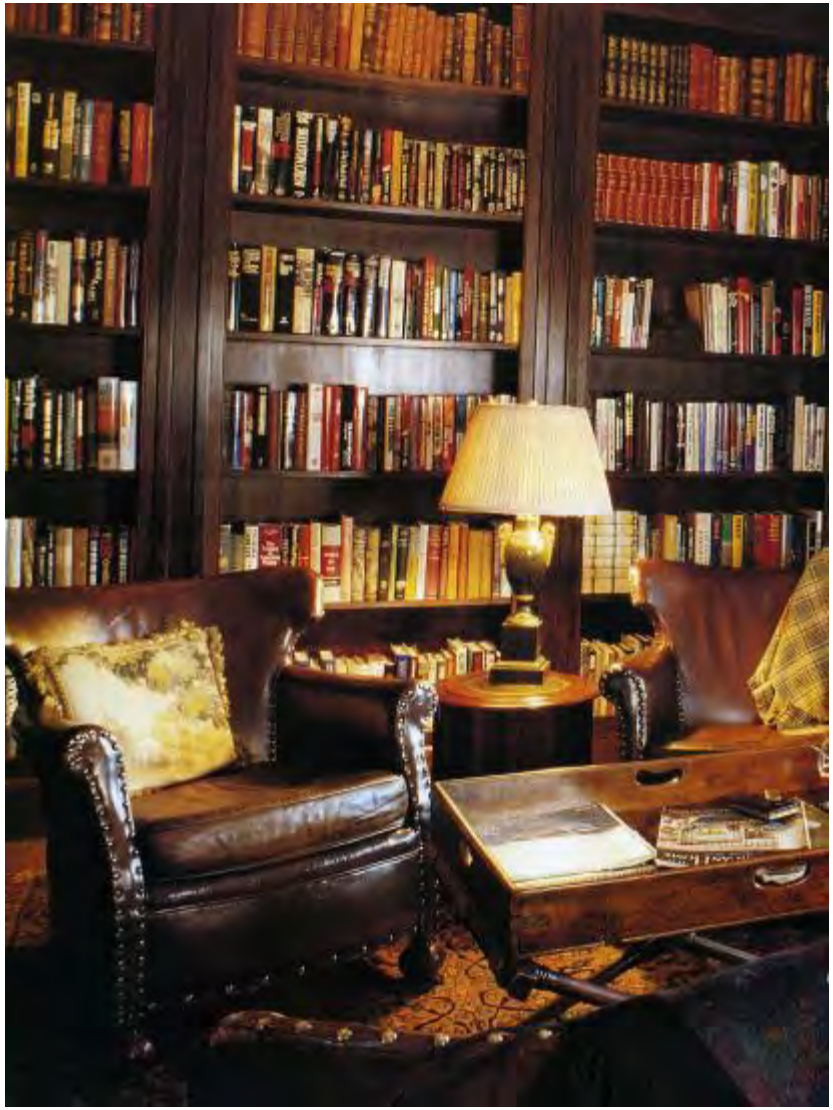
?

Library as…
content hub, community center, sanctuary



Where is the “deep leather chair”? We all build a personal library of what inspires and challenges us.

The library is the student’s office.
– Paul Courant

Assumptions

- Print collections will exist
  - How many copies?
  - Where?
- Campus physical libraries will exist
  - What services?
- A systemwide view, not just CDL or single campus

The library will be a global/local entity… able to transform without losing the fundamental purpose.

- Dr. Kevin Starr

Building Blocks

- Collections
- Tools
- Communities

"What is unique about the …Library is its conception of what a 21st –century learning environment should be. It transitions from being a place you go to take way information in book form to a place that provides an intellectual home for you to deeply experience the knowledge that you are interacting with"

- R. Michael Young, NCSU

Collections: Existing Print Digitized

- 38M volumes @ UC
  - 3M digitized in 6 years
  - Shared access in HathiTrust to 10M
    - Median duplication 31%
  - Complex legal, rights situation
  - Surrogates, not replacements

Digitized collections enable…

- "… I was absolutely thrilled to find that so many titles I was looking for were available digitally through the HathiTrust collection. As many of Persian historical chronicles I am reading for my research were published in India at the turn of the 19th-20th century, the HathiTrust volumes were fully accessible as downloadable PDFs.

- I found myself reading 16th century Mughal chronicles published in 19th century India in 21st century Newcastle upon Tyne, without having to go anywhere.

- The result of all of this was that I found myself able to engage in the kind of detailed research that would have been impossible for me to conduct without this resource. "

  – UC historian on sabbatical

Collections: UC reclaims responsibility

- for scholarly products/assets and uniquely owned materials
  - original publication
  - research data
  - library-acquired content (shifts from licensed to special collections)

Bancroft Library

Special Collections: Described and Digitized

"Imagine a UC library with more than **half a million volumes**, carefully acquired and protected, many of them **singular or not commonly held** by others in the world.

Imagine the contents lining thirteen and a half miles from end to end—more than one Bancroft Library's worth of material—but **all of it invisible and inaccessible to users.**

That library represents the self-reported aggregate of the **unprocessed backlog** of special collections and archives materials owned by UC. "

71,605 linear feet unprocessed: up to 23.6 years to eliminate backlog

46,662 collections: 12% do not have a collection description

16,781 described collections: only 2% have associated digital items

New Collections

- Better models for new works
  - eBooks models in flux
    - University presses asking 150% of print prices
    - Authors want a more flexible format/platform
  - Open Access
    - What does it really cost?
    - Who pays? A more diverse economy?
    - Rights management issues

Collections: Born Digital

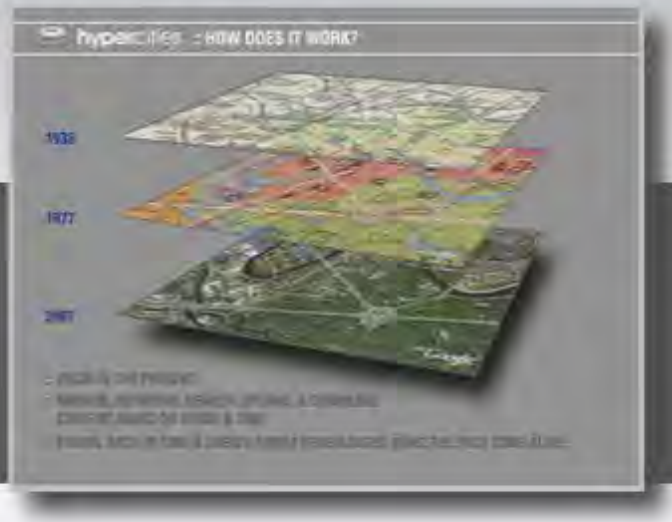
- Web-published
  - When sites are redesigned, when new administrations take office, or when organizations shut down, we witness the wholesale disappearance of information.
  - Studies of web citations are showing that up to half of the citations in scholarly journal articles can cease to function within four years. Even if a web citation still returns a page, there is no guarantee that you are looking at the same content the author cited.

"Our mission is forever"
– Paul Courant

Collections: Faculty Created

hypercities

Home | About | Research | Education | Getting Involved | Getting Started | Help



Launch HyperCities

HyperCities is a collaborative research and educational platform for traveling back in time to explore the historical layers of city spaces in an interactive, hypermedia environment.

Recent Posts

NEH Summer Institute at UCLA: Digital Cultural Mapping (June 18-July 6, 2012)
presner | December 16, 2011 | In Uncategorized

HyperCities Los Angeles Launches

NEH Summer Institute at UCLA: Digital Cultural Mapping (June 18-July 6, 2012)

by presner | December 16, 2011 | In Uncategorized

Directed by: Todd Presner, Diane Favro, and Chris Johanson

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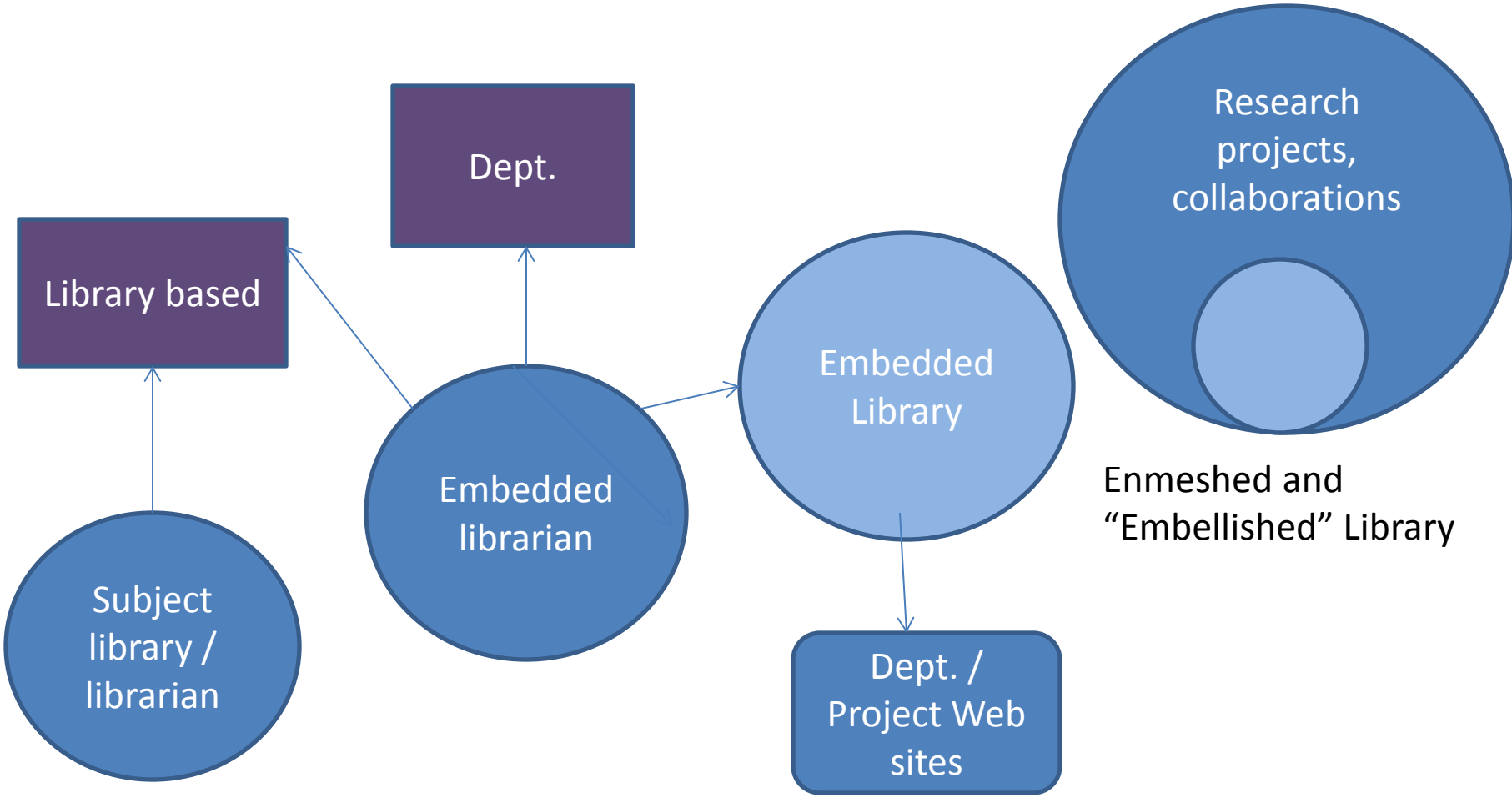
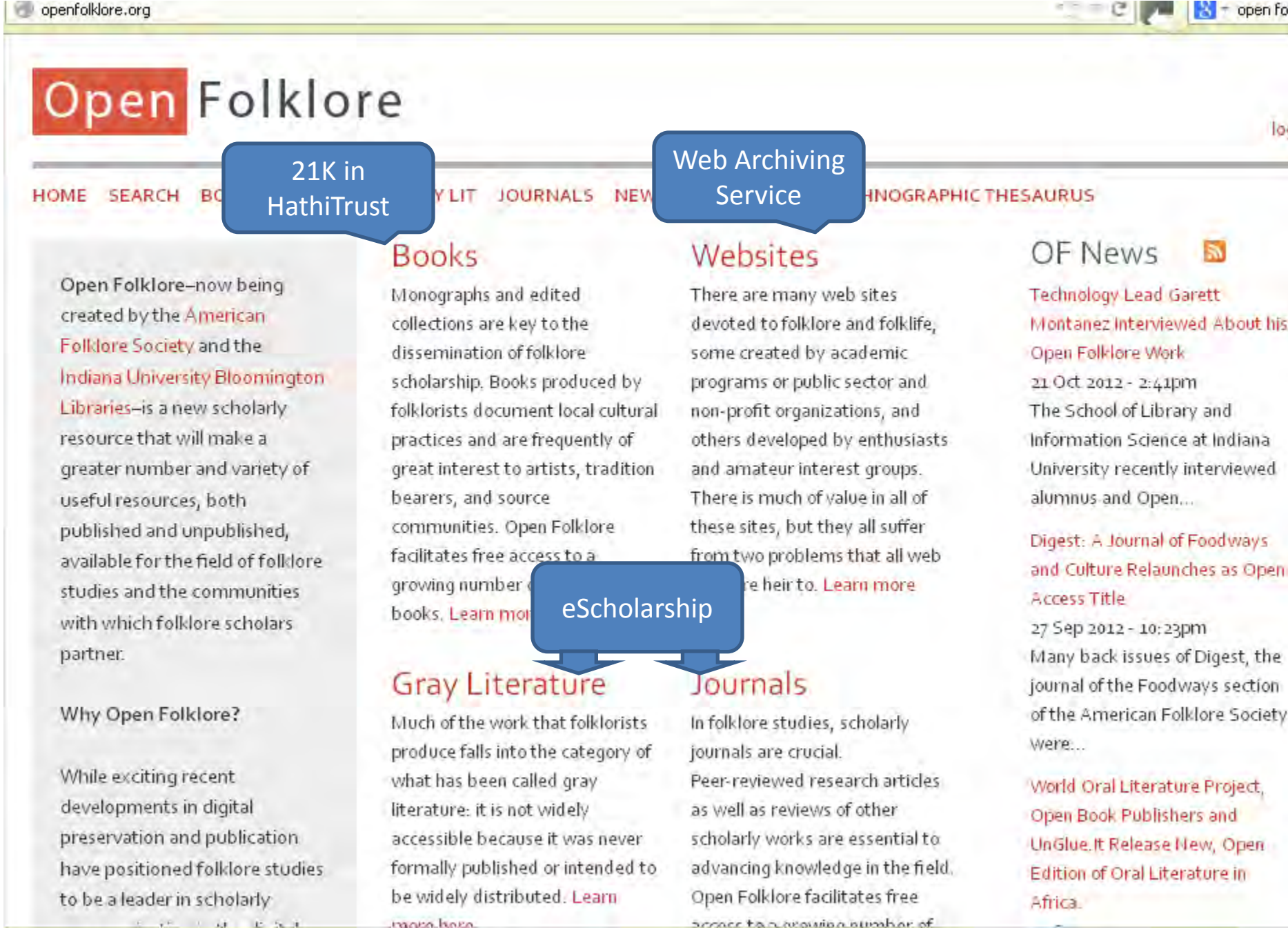
A new subject library?

An evolving model



Enmeshed and "Embellished" Library


openfolklore.org
Open Folklore
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HOME SEARCH BO Y LIT JOURNALS NEW HNOGRAPHIC THESAURUS
21K in HathiTrust
Web Archiving Service
eScholarship
Open Folklore–now being created by the American Folklore Society and the Indiana University Bloomington Libraries–is a new scholarly resource that will make a greater number and variety of useful resources, both published and unpublished, available for the field of folklore studies and the communities with which folklore scholars partner.
Why Open Folklore?
While exciting recent developments in digital preservation and publication have positioned folklore studies to be a leader in scholarly
Books
Monographs and edited collections are key to the dissemination of folklore scholarship. Books produced by folklorists document local cultural practices and are frequently of great interest to artists, tradition bearers, and source communities. Open Folklore facilitates free access to a growing number
books. Learn mor
Websites
There are many web sites devoted to folklore and folklife, some created by academic programs or public sector and non-profit organizations, and others developed by enthusiasts and amateur interest groups. There is much of value in all of these sites, but they all suffer from two problems that all web
e heir to. Learn more
Gray Literature
Much of the work that folklorists produce falls into the category of what has been called gray literature: it is not widely accessible because it was never formally published or intended to be widely distributed. Learn
Journals
In folklore studies, scholarly journals are crucial. Peer-reviewed research articles as well as reviews of other scholarly works are essential to advancing knowledge in the field. Open Folklore facilitates free
OF News
Technology Lead Garett Montanez Interviewed About his Open Folklore Work
21 Oct 2012 - 2:41pm
The School of Library and Information Science at Indiana University recently interviewed alumnus and Open...
Digest: A Journal of Foodways and Culture Relaunches as Open Access Title
27 Sep 2012 - 10:23pm
Many back issues of Digest, the journal of the Foodways section of the American Folklore Society were...
World Oral Literature Project, Open Book Publishers and UnGlue.It Release New, Open Edition of Oral Literature in Africa.

Harvested Content Available for Open Folklore Search

As of its initial release, the search function in Open Folklore provides integrated search of the following journals and repository-based folklore collections:

Folklore Studies-Related Collections in the IUScholarWorks Repository, Including:

- American Folklore Society Publications (Selected)
- Publications and Other Materials of the Indiana University Department of Folklore and Ethnomusicology
- Folklore and Folk Music Archivist Backfiles
- Fund for Folk Culture Publications
- New Directions in Folklore Backfiles
- Publications from Trickster Press, Including:
  - Folklore Forum Backfiles (Including Special Series)
  - Selected Trickster Press Books

and Other IUScholarWorks Repository Hosted Materials of Likely Interest to the Folklore Studies Community.

Folklore Studies-Related Journals Published Through the IUScholarWorks Journals Program, Including:

- Anthropology of East Europe Review
- Museum Anthropology Review
- New Directions in Folklore

OF News

Technology Lead Garett Montanez Interviewed About his Open Folklore Work

21 Oct 2012 - 2:41pm

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Featured Article

Do Frogs Get Their Kicks on Route 66? Continental U.S. Transect Reveals Spatial and Temporal Patterns of *Batrachochytrium dendrobatidis* Infection

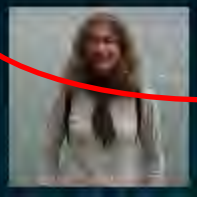
Traveling along U.S. Highway 66 and U.S. Interstate 64 from California to Virginia, researchers found that a fungus that is detrimental to amphibians is more or less present from coast-to-coast.

Recently Added Articles

Feed

- **Microbiology of the phyllosphere: a playground for testing ecological concepts**
  Katrin M. Meyer, Johan H. J. Leveau
  Oecologia | Added 2012 March 19
- **Soil warming alters nitrogen cycling in a New England forest: implications for ecosystem**

Curators & Steering Committee



Patricia Miloslavich is a professor of marine biology at the University Simon Bolivar (USB) in Caracas, Venezuela. More...

Curatorial role – PLoS Hubs

- The vision behind the creation of PLOS Hubs is to show **how open-access literature can be reused and reorganized, filtered, and assessed** to enable the exchange of research, opinion, and data between community members.

- PLOS Hubs: Biodiversity provides two main functions to connect researchers with relevant content.
  - …open-access articles on the broad theme of biodiversity are selected and imported into the Hub.
  - …the content will also be enhanced so that the articles are connected with data, and we will provide features to make the articles easier for people to use.
  - These two functions - aggregation and adding value - build on the concept of open access, which removes all the barriers to access and reuse of journal article content.

- As examples of the added value that we plan to deliver via PLOS Hubs, we have **enriched three articles with additional publicly available information such as a taxonomy hierarchy, species images and descriptions, and maps with specimen overlays**. All the articles also feature information on the number of Hubs page views, and PLOS articles display their full suite of article-level metrics.

Librarians – and graduate students – can also contribute these curatorial skills, moving from care-taking to contextualizing

Combined with a special library…

BHL
Biodiversity Heritage Library

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Feedbac

Browse By: Titles | Authors | Subjects | Map | Years | Languages | Contributors | Collections

Now Online
58,501 titles
111,720 volumes
40,384,255 pages
Recent additions

Featured Collection

BHL
Biodiversity Heritage Library

Charles Darwin's Library

BHL on Twitter

BioDivLibrary The annual @NYBG #orchidshow opens 2day! ow.ly/i8hNM See 1000s of orchids, incl. Cymbidiums ow.ly/i8i1C #bhlib
1 days ago · favorite

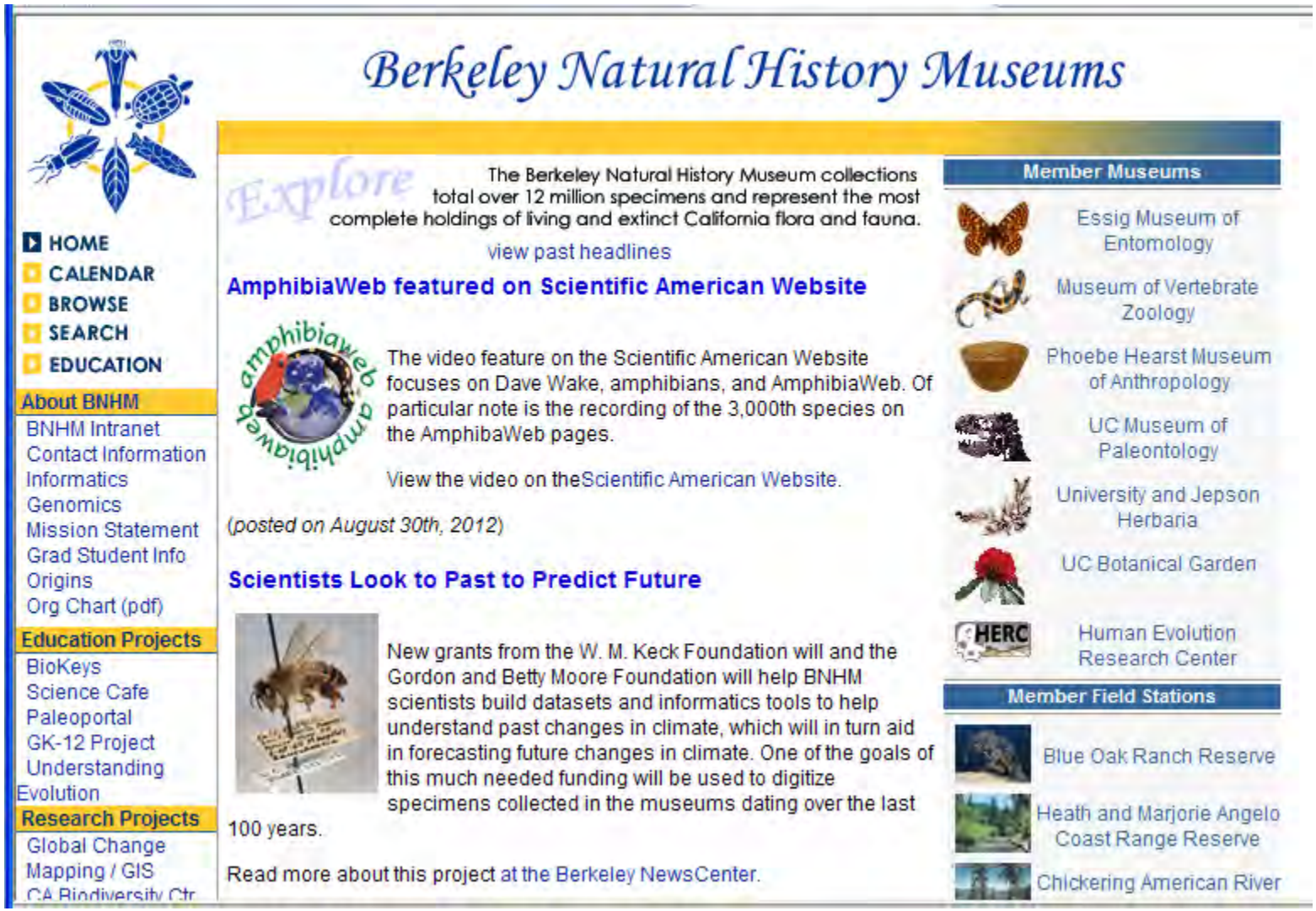
Welcome to the Biodiversity Heritage Library, a consortium of natural history and botanical libraries that coo
biodiversity held in their collections and to make that literature available for open access and responsible use as a part of
foundational literature component of the Encyclopedia of Life (EOL).

Search Tips

Advanced Search

Today's Picks View additional images on BHL's Flickr stream

…and specialized museums



Tools

ROY ROSENZWEIG Center FOR History AND New Media

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Teaching + Learning | Research + Tools | Collecting + Exhibiting

Research + Tools

Developing publications and applications to define digital humanities for a new generation of scholars, librarians and museum professionals.

Zotero

Zotero [zoh-TAIR-oh] is a free, easy-to-use Firefox extension to help you collect, manage, and cite your research sources.

Learn More | Visit the Site

Omeka

Designed for cultural institutions, enthusiasts, and educators, Omeka is a platform for publishing online collections and exhibitions.

Learn More | Visit the Site

Text Mining

Beginning in June 2008, CHNM will conduct a two-year study of advanced text-mining technology for the humanities.

Learn More | Visit the Site

Tools: Solve the Browse Problem

How BrowZine™ Works

Consolidate multiple databases of Journals into a simple browsable newsstand

BrowZine™ combines individual articles from databases to create complete journals and arranges them in an intuitive newsstand, then delivers these journals to patrons in an easy to use format optimized for the iPad. The result is an intuitive way for users to browse journals by subject, discover new titles, and easily read articles.

Shorten the distance between the user and the content

At a time when more and more libraries are opting for e-only access to scholarly journals, the experience of browsing a library's collection of new issues to keep up with the latest research trends is an awkward task requiring setting up alert systems, RSS feeds and other clumsy technologies on multiple platforms.
By making content available in an easy to view, browsable format, libraries are able to pull away the layers of technology between the user and content. Each reader can create a personal bookshelf of favorite journals and BrowZine will soon be able to deliver convenient push notifications to indicate when new material is published.

Verizon 1:37 PM 73%

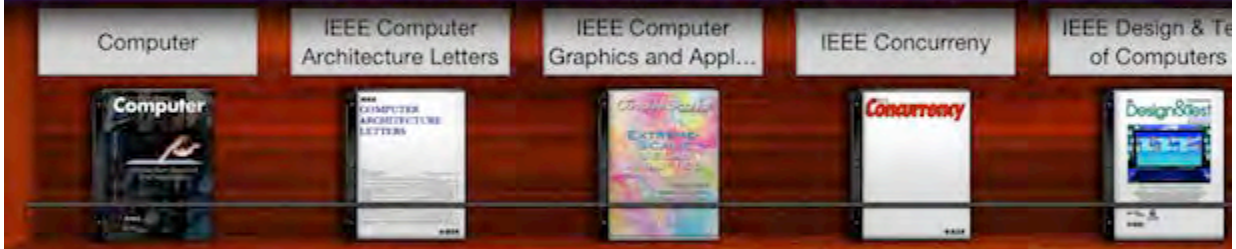
SUBJECTS

your Library Identity

TITLES A-Z

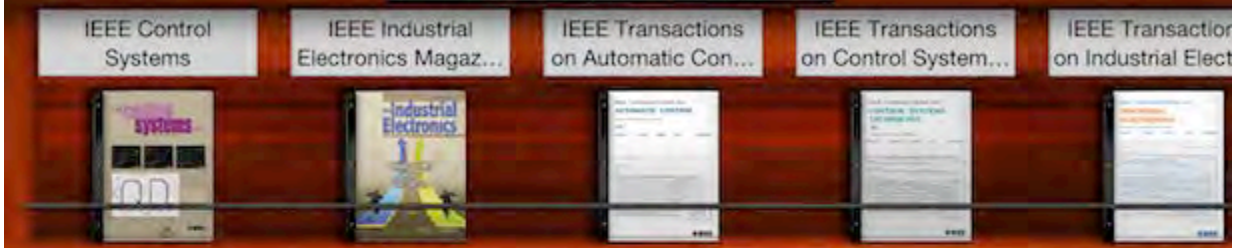
Electrical and Computer Engineering

Computer Engineering

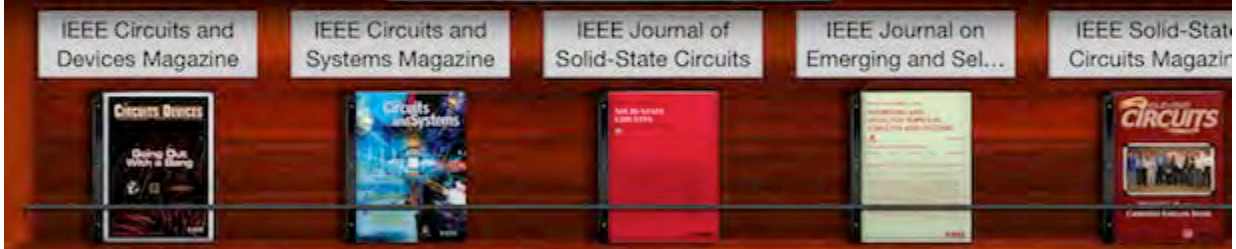


Computer and Systems Architecture

Controls and Control Theory



Digital Circuits



Communities

Faculty research and teaching

Students

Publishing partners

Expertise /Curation

Content: local and beyond

Societies

Disciplinary Tools

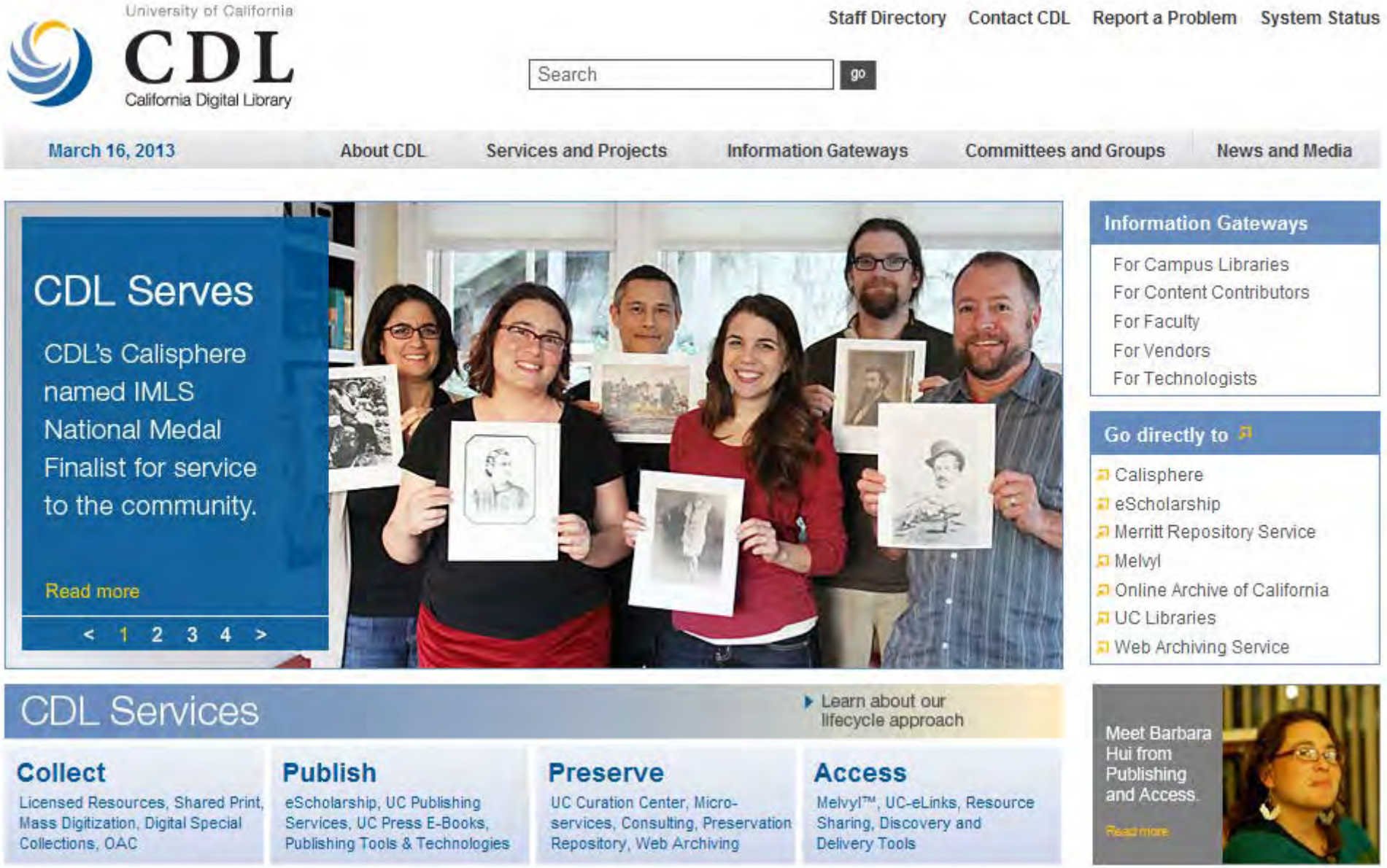
Museums

infrastructure

A flexible infrastructure of hardware, software, and above all human talent

D-Lab, “Intelligent research design for data intensive social science”

Comments?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California Digital Library
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go
March 16, 2013
About CDL
Services and Projects
Information Gateways
Committees and Groups
News and Media
CDL Serves
CDL's Calisphere named IMLS National Medal Finalist for service to the community.
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Information Gateways
For Campus Libraries
For Content Contributors
For Faculty
For Vendors
For Technologists
Go directly to
Calisphere
eScholarship
Merritt Repository Service
Melvyl
Online Archive of California
UC Libraries
Web Archiving Service
CDL Services
Learn about our lifecycle approach
Collect
Licensed Resources, Shared Print, Mass Digitization, Digital Special Collections, OAC
Publish
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