



Next Generation UC Library Services: *Taking It to the Next Level*

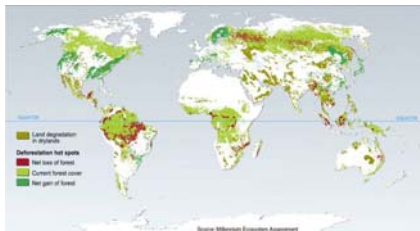
Systemwide Library and Scholarly Information
Advisory Committee
May 21, 2009

Taking UC Libraries to the Next Level What is driving this?

- **World Class – Worldwide education**
 - *Example:* School of Global Health
 - Build communities through collaborative, continuous learning
 - A new virtual platform/model for education
 - Integrated data/text/video/voice; 24x7; multilingual
 - Open educational resources
 - Case studies, e-portfolios
 - “Data is the currency of global health”

Taking UC Libraries to the Next Level What is driving this?

- **eScience: global, transdisciplinary**
- *Example:* NSF DataONE: stewardship of environmental data
 - Data dispersion: facilitating discovery
 - Data diversity: providing tools to manage data
 - Data loss: developing infrastructure
 - Data practice: developing an informatics literate community



Taking UC Libraries to the Next Level What is driving this?

- | | |
|---|--|
| <ul style="list-style-type: none"> • 1999 • 30M print volumes • 2K ejournals • 3K special collections inventories | <ul style="list-style-type: none"> • 2009 • 36M print volumes • 26K ejournals • 43K special collections inventories • 150K digital objects • 1M images; 60K shared • 28K eScholarship papers • 450K ebooks (full view; 7M total) |
|---|--|
- *Digital transition*

Taking UC Libraries to the Next Level Characteristics

- Providing broader, deeper access
 - *Across content types, locations*
- Managing 21st century formats
 - *Tools, services; user-created, distributed & enhanced*
- Leveraging through collaboration
 - *Share expertise, eliminate redundancy, find economies of scale; extend our reach*

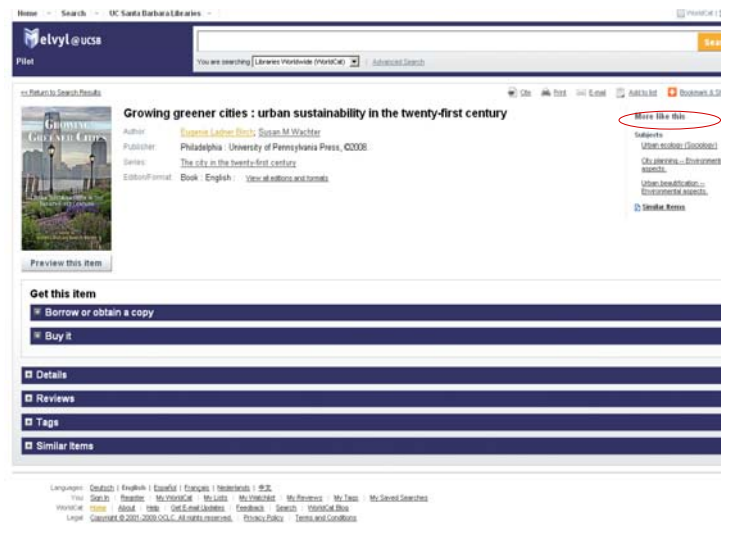
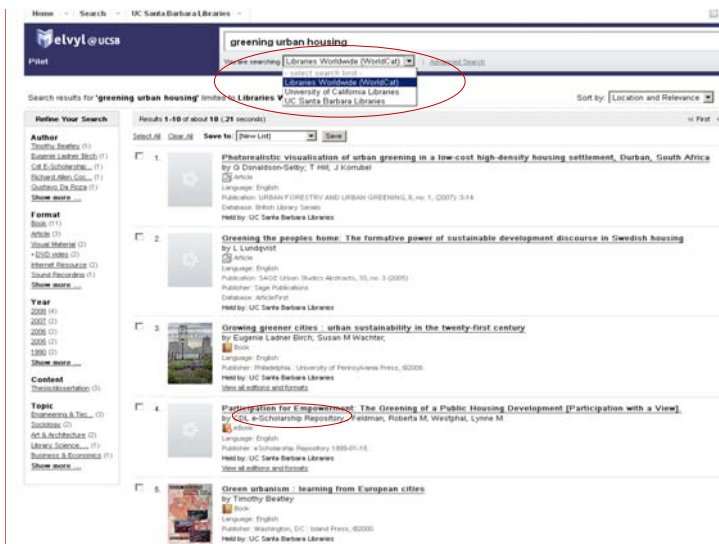
Next Level – Broader *Next Generation Access Services*



via OCLC WorldCat Local Pilot

- Scope: **Network level, worldwide**
 - Records: 135M; 10M added/year vs 15M @ UC
 - Libraries: 71K worldwide; 470+ languages from 112 countries
 - Formats: Books + articles, eScholarship, UC digital objects, ...
 - Popular, rare and one-of-a-kind
- Views: **World, UC, campus**
- Services: **relevance ranking, facets, recommendations, ...**





Next Level – Broader

Next Generation Collections



UC Library Collection

- Broadest and best, worldwide
- Integrated and shareable
- Transition from print to digital
 - Curation of new content types and formats
 - Reduce duplication; increase diversity
 - Leverage campus expertise & external partnerships (regional, national)

Next Level – Broader

Next Generation Collections

UC Digital Collection

- **Books complete the circle:**
 - Licensed: e.g., 20K Springer ebooks
 - Reformatted:  
- **Extend digital capacity in libraries:**
 - Sharing campus expertise (formats, tools, standards)
 - Life cycle management (creation to preservation)

Next Level – Broader

Next Generation Technical Services

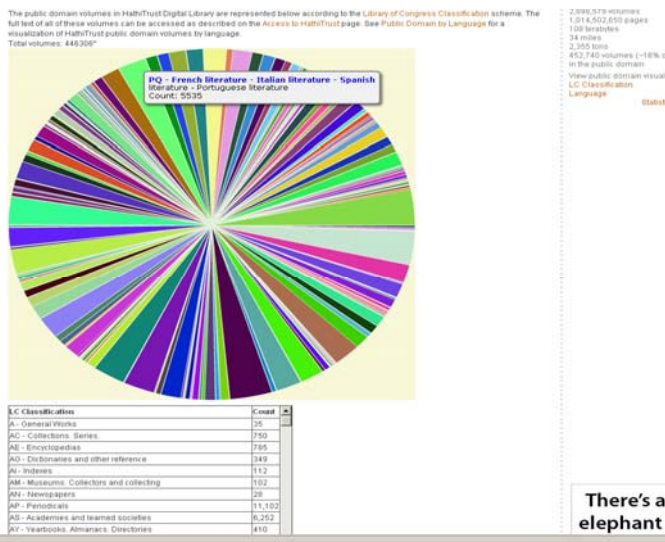
- Make UC Collections easy to find and use
- **Technical services (acquiring, cataloging)**
 - Single system-wide enterprise
 - Eliminate duplication of effort and local variation in practice
 - Leverage access to language and subject expertise
- **Achieve system-wide cost-savings and rebalance expenditures to**
 - Support the full spectrum of 21st century scholarly content
 - Through the entire knowledge production lifecycle

Next level - Deeper

- Deeper, richer access
- Hidden or ephemeral collections
- **21st century resources**

Next level - Deeper Digitized Books

- **Deep access** via text searching
 - 5M (UC + Michigan); 450K public domain
- **Services:** selection (previews, tables of contents); delivery (print on demand, digital ILL); *academic services* via HathiTrust
- **Collection management:** how many copies, where



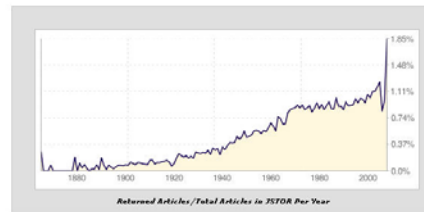
Next level - Deeper Data Mining

Google Research Corpus

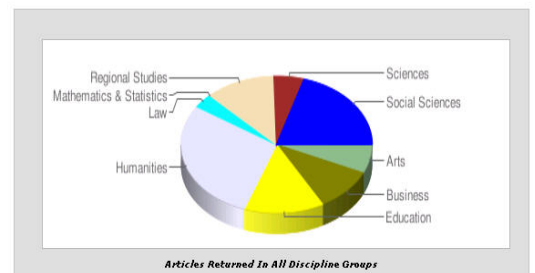
- Computational analysis of the digitized images to either **improve the image** or **extracting textual or structural information** from the image;
- Extracting information to understand or **develop relationships among or within Books**;
- **Linguistic analysis**, to better understand language, linguistic use, semantics and syntax as they evolve over time and across genres of Books;
- **Automated translation** (without actually producing translations of Books for display purposes); and
- Developing **new indexing and search techniques**.

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Results: 34,291



JSTOR Data for Research Response to query



Next level - Deeper 21st Century Resources



Web Archiving Service
Capture Today's Web; Build Tomorrow's Archives

– Comprehensive system for the acquisition of and access to [web resources](#)

- 12 TB of content
- 20 curatorial partners
- Over 5000 sites
- 32 archives

• *Average life span of a web site: 43 days*

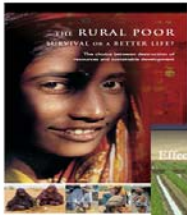
Compare Captures for California State Controller

Earlier capture date: **10/25/08 09:20 PM**
Scope: Host site + linked pages, Files: 36178, Duration: 21h 55m 51s

Later capture date: **02/01/09 08:02 PM**
Scope: Host site + linked pages, Files: 41144, Duration: 21h 44m 15s

Category	Description
CHANGED (116)	Documents in both captures, content not identical
NEW (415)	Documents in later capture, not in earlier
MISSING (117)	Documents in earlier capture, not in later
UNCHANGED (7309)	Documents in both captures, content identical

WAS Archives Include:



- California State Government
- Middle Eastern Political Movements
- American Leftist Movements



- Hurricane Katrina
- University of California Archives
- At-Risk Online Newspapers (planning stages)



Next level - Deeper 21st Century Resources

Data management:

- Add value throughout life cycle
- Long term preservation
- Linked to publications
- Discipline-specific

Next level - Deeper 21st Century Resources


The screenshot shows the MIT Libraries website page for 'Data Management and Publishing'. It includes a navigation menu on the left with links like 'Home', 'Why Manage Your Data?', 'What is Data?', 'Evaluate Your Data Needs', 'Documentation and Metadata', 'File Formats', 'Organize Your Files', 'Backups and Security', 'Sharing Your Data', 'Citing Data', 'Data Integration', 'Funding Requirements', 'Ethical and Legal Issues', 'Managing Research Data 101 (PDF)', 'Related Guides: Bioinformatics, GIS Services, Metadata Services, Social Science Data Services'. The main content area features a 'Data Life Cycle' diagram, a 'Manage Your Data' section with a checklist of 16 questions, and a 'Faculty Successes' section with quotes from Esther Duflo and Katherine Heffell. A sidebar on the right provides contact information for data management librarians.

- University's intellectual assets:
 - Published works (print or online): [UCPubS](#)
 - Lectures, symposia: new distribution channels
- Hidden collections: *special, unique*
 - Resources to process: Mellon, CLIR
 - Access via:



36 Pages or Less: The California Ephemera Project blog

FRONT PAGE ABOUT THE CALIFORNIA EPHEMERA PROJECT

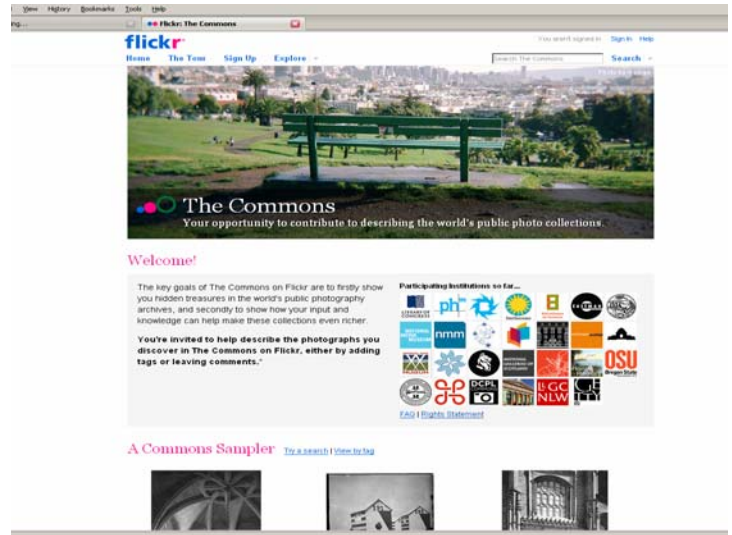


Process and product [Know-deep in stuff](#) 36PAGESORLESS

Welcome
March 28, 2009 - 0 Comments

36 Pages or Less is the blog of the California Ephemera Project, a Cataloging Special Collections grant awarded by the Council on Library and Information Resources to the California Historical Society, in collaboration with the San Francisco Public Library, Society of California Pioneers, and the Gay, Lesbian, Bisexual, Transgender Historical Society. The individuals currently working on this project are: Wendy Walker (CHS), Tanya Hollis (CHS), Susan Goldstein (SFP), Pat Keats (SCP), Rebekah Kim (GLETHS), and Mary Morgan (CHS). We are working to create a searchable database linking the ephemera collections of all four institutions, as well as collection-level MARC records and Online Archive of California finding aids. The focus of this grant is on process: How best to devise a system of dealing with diverse (and we can just say it – messy) ephemera collections to make them more accessible to users. With this blog we hope to chart the path we take, and abandon, in creating a working methodology for this challenging and exciting project.

– Wendy Walker, Project Manager



flickr The Commons

Home The Team Sign Up Explore


The Commons
Your opportunity to contribute to describing the world's public photo collections

Welcome!


The key goals of The Commons on Flickr are to firstly show you hidden treasures in the world's public photography archives, and secondly to show how your input and knowledge can help make these collections even richer.

You're invited to help describe the photographs you discover in The Commons on Flickr, either by adding tags or leaving comments.

Participating institutions so far...



A Commons Sampler [Try a search](#) | [View the blog](#)



Taking UC Libraries to the Next Level

- Providing broader, deeper access
 - Worldwide coverage, full text access, data mining, hidden collections, ...
- Managing 21st century formats
 - Web sites, data sets, media, UC assets, other digital formats, ...
- Leveraging through collaboration
 - UCPubS, HathiTrust, LC, Flickr, DataONE, ...