



数字时代的馆藏建设与管理

COLLECTION MANAGEMENT IN THE DIGITAL AGE

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THE THIRD SINO-AMERICAN ACADEMIC LIBRARY
FORUM FOR COOPERATION AND DEVELOPMENT
JUNE, 2015



伯克利加州大学，一个面向亚洲的大学

伯克利加州大学里最老的图书馆-杜尔图书馆 1912-



Doe Library, built in 1912.

Twenty other libraries at the left and right.



伯克利最新的图书馆：斯达东亚图书馆 2007-

一个时代的终结：从实体图书馆向虚拟图书馆的转型

FROM PHYSICAL LIBRARIES TO THE UBIQUITOUS LIBRARY WITHOUT WALLS



维基经济学：开启合作新时代

WIKINOMICS: THE AGE OF COOPERATION

维基经济学四个新法则

开放（Openness）

对等（Peering）

分享（Sharing）

全球运作（Acting Globally）




学术图书馆发展的新途径和新模式

- **公开获取资源的建设** Open access
- **资源共享和分工** Cooperation and sharing
- **Collecting vs Connecting?**
- **全球资源的获取** Global reach
- **发现和链接** Discovery and linking
- **基于学科建设的机构重组和对接**
Reorganization along academic disciplines


新时期的学术图书馆馆藏资源管理

KEY COMPONENTS OF COLLECTION MANAGEMENT IN THE DIGITAL AGE

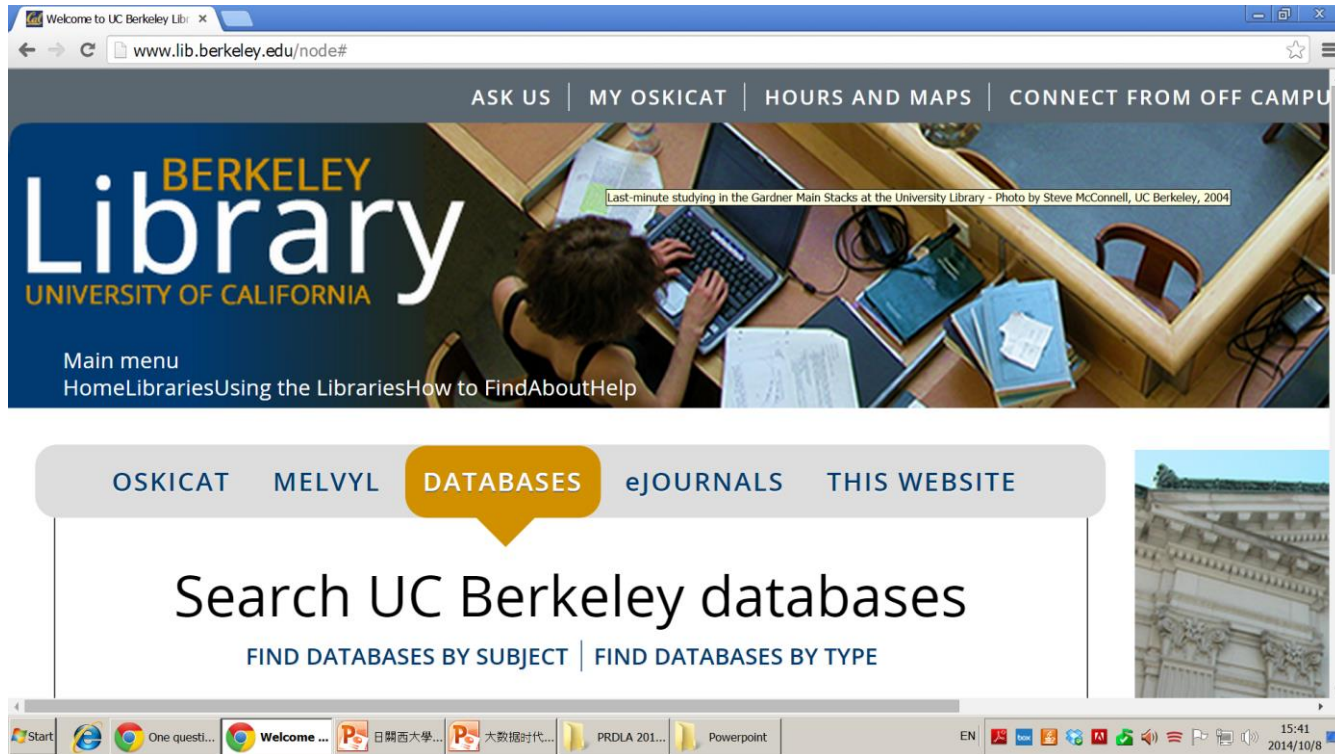
- **大规模数字化与馆藏管理** (Mass digitization and collection management)
 - **数字化管理工作与资源的发现** (Digital stewardship and discovery)
 - **数据管理** (Data management)
 - **纸质资源管理** (Managing the print collection)
- 

伯克利加大图书馆的馆藏

COLLECTION MATERIALS IN UC BERKELEY

- **一千一百多万册藏书和期刊**
 - **八十三万多册西文电子书，七十多万册中日韩电子书**
 - **将近十二万种期刊，其中有七万多种电子期刊**
 - **将近一百万份手稿和抄本**
 - **九百六十多万份影像资料**
- 

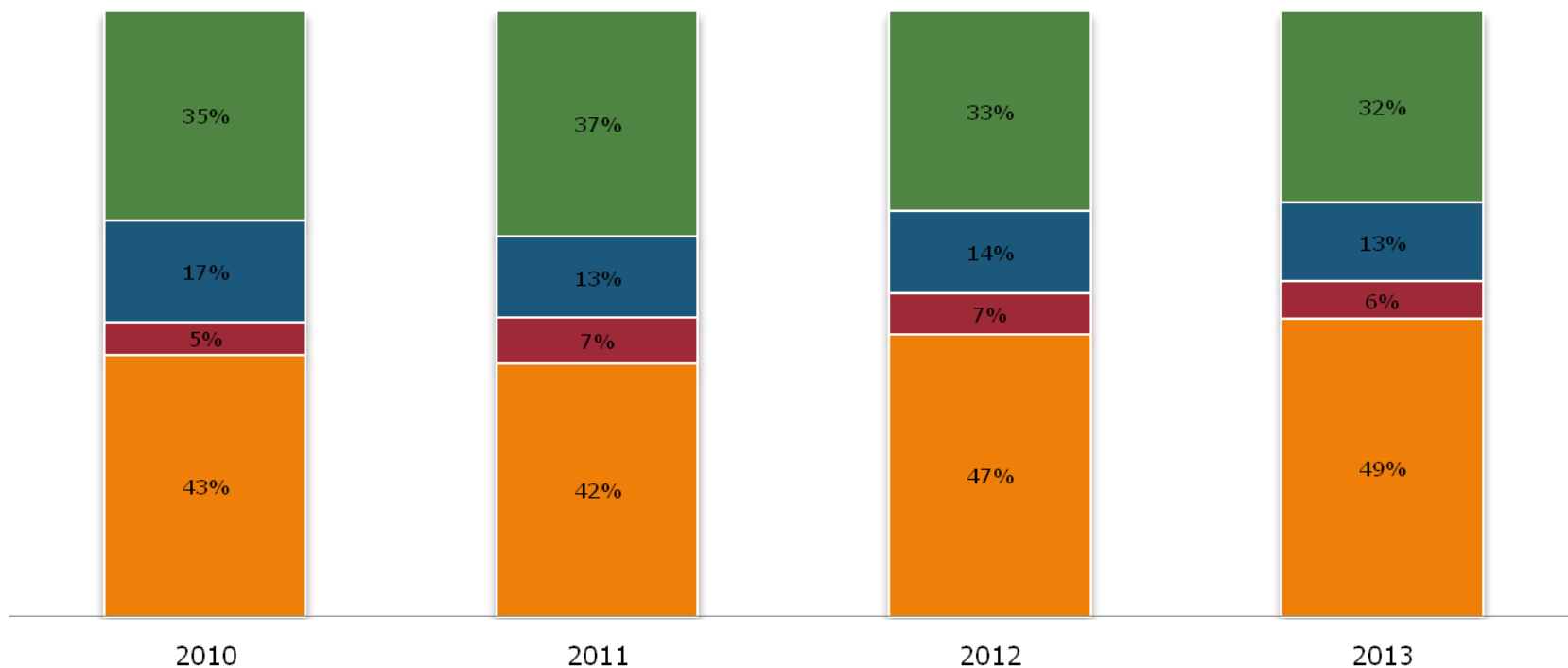
另外还有巨大的网上数据库群 PLUS A LARGE CYBER COLLECTION OF DIGITAL CONTENT



Distribution of expenditures for digital and print library resources

■ e-journals ■ e-books ■ print journals ■ print books

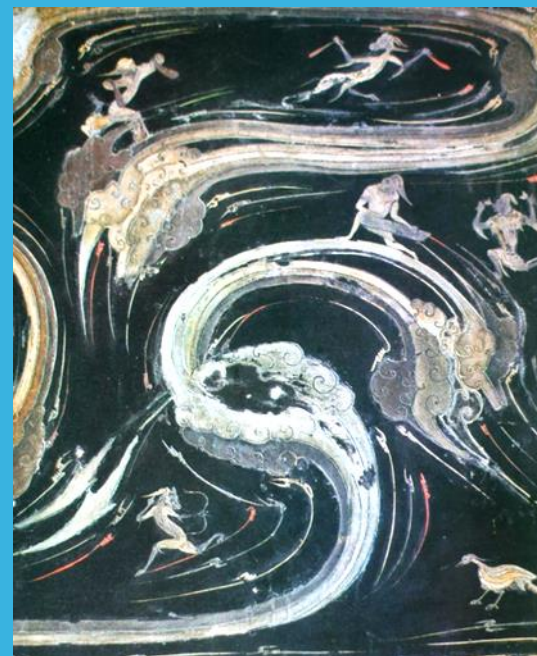
数字资源和纸质资源的经费使用情况



平衡经费使用 DIGITAL/PRINT BALANCE

大规模馆藏数字化

MANAGING MASS DIGITIZATION



加州大学图书馆系统

UNIVERSITY OF CALIFORNIA LIBRARY SYSTEM

10 所公立大学

3千8 百万册藏书

年借书量为2百70万册 (7%)

已经数字化3百50万册书(9%)

2 个中心库

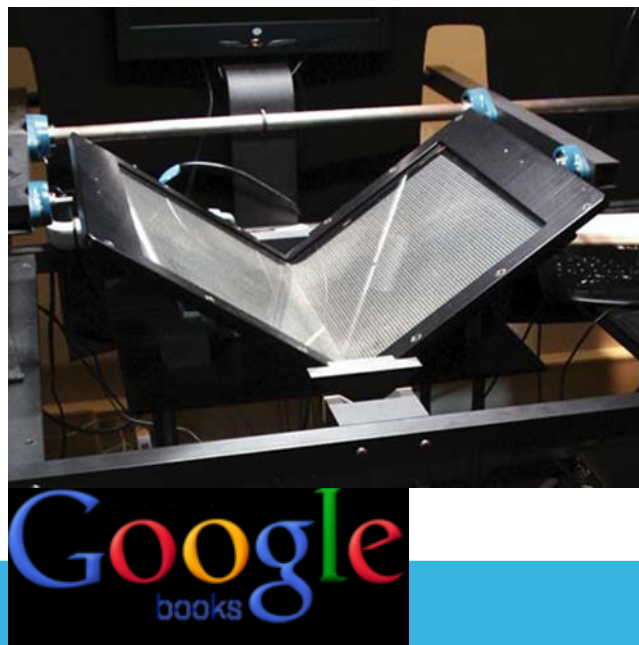
加州数字图书馆

California Digital Library



谷歌电子书项目 GOOGLE BOOKS

从2006年开始，加州大学系统通过参加谷歌电子书项目，将其三千四百万册藏书中的一部分进行了数字化。



大量特藏已经数字化并公开发布

SPECIAL COLLECTIONS DIGITIZED

傳則自若也 中興百年
行於今者其竄大亦十數
手自編次一時或過或否
沉於文何加損焉此 我朝
議論之公有非前代所可及
後村先生劉公得文名最蚤
於時亦最甚僕纔少公七歲而

或瘞以塚或泛以瓢豈非痛識
之難耶獨我
祖宗盛時士學明而士具眼
家之品 以竊達為高
歐魯蘇之名 柳黃陳之
詩雖其身困躋 寥前者
和同聲而片文隻字人 世

後村居士集序
作者不祈人之知知之者常在
十華之後送上諸名 皆云然
未有其人之好惡未齊而其文
聲價已定者貶充小疵矣愈六
悠々穹壤俗喙一談昔之人固
憤恨於時而棄擲其平生所作

海鹽金粟山廣惠禪院大藏

餘

十六紙

大般若波羅蜜多經卷第二百五十四

大唐三藏法師玄奘奉

詔譯

初分難信解品第三十四之三

復次善現一切智智清淨故色清淨色清淨
故自相空清淨何以故若一切智智清淨若色

清淨若自相空清淨無二無二分無別無斷
故一切智智清淨故受想行識清淨受想
行識清淨故自相空清淨何以故若一切智
智清淨若受想行識清淨若自相空清淨無
二無二分無別無斷故善現一切智智清淨
故眼處清淨眼處清淨故自相空清淨何以

金粟山大藏經

二

数字内容管理与资源发现

DIGITAL STEWARDSHIP AND DISCOVERY



合作开发数字馆藏管理及发现系统

Connect

Consortia & partnerships



- 一百多个学术图书馆共同创建和管理
- 管理一千三百多万册电子书



- 一百多个图书馆合作使用
- 帮助研究人员管理研究数据，达到联邦政府项目管理的数据和报告的要求



- 全球范围内的合作
- 支持文献的引用和共享 Unique identifiers for data to support citation and sharing



- 美国西部一百多个图书馆合作
- 纸本期刊保留本存储库

共同管理加大系统的电子资源

1. Shared digital asset management system (DAMS): 5个校区参加研发
2. Metadata harvest: 10个校区联合进行
3. Single point of access for all content 一站式电子文献获取

Build

Efficiency & creative solutions



Tiered development

数据管理

DATA MANAGEMENT



RESEARCH
HIGHLIGHTS

NEWS

ABOUT US

RESEARCH
UNITSFACULTY
EXPERTISERESEARCH POLICIES
& ADMINISTRATIONTECH
TRANSFER

HOME ► DATA SCIENCE ► BERKELEY INSTITUTE FOR DATA SCIENCE

Berkeley Institute for Data Science

DATA SCIENCE

OVERVIEW

INSTITUTE FOR DATA SCIENCE ►

[News Release](#)[Past Events](#)

PEOPLE

CAREER OPPORTUNITIES

2013-14 LECTURE SERIES

CAMPUS EVENTS ►

[Archive](#)

NEWS

INSTITUTES AND PROGRAMS



Rendering of future BIDS home in 190 Doe Library (Left). BIDS Director, Saul Perlmutter, describes the Institute at W...
Technology Policy meeting (Upper Right). BIDS Data Science Fellow, Kathryn Huff, and Senior Fellow, Kimmen S...

Co-development

Build

Efficiency & creative solutions




Allows researchers to:

- Upload, describe, and share data
- Discover, download, and reuse data
- Comply with funders or publishers data sharing policies
- Participate in the growing open science movement



Secrets to societal problems may lie hidden in the massive amounts of data before us.

数据管理的挑战 CHALLENGES

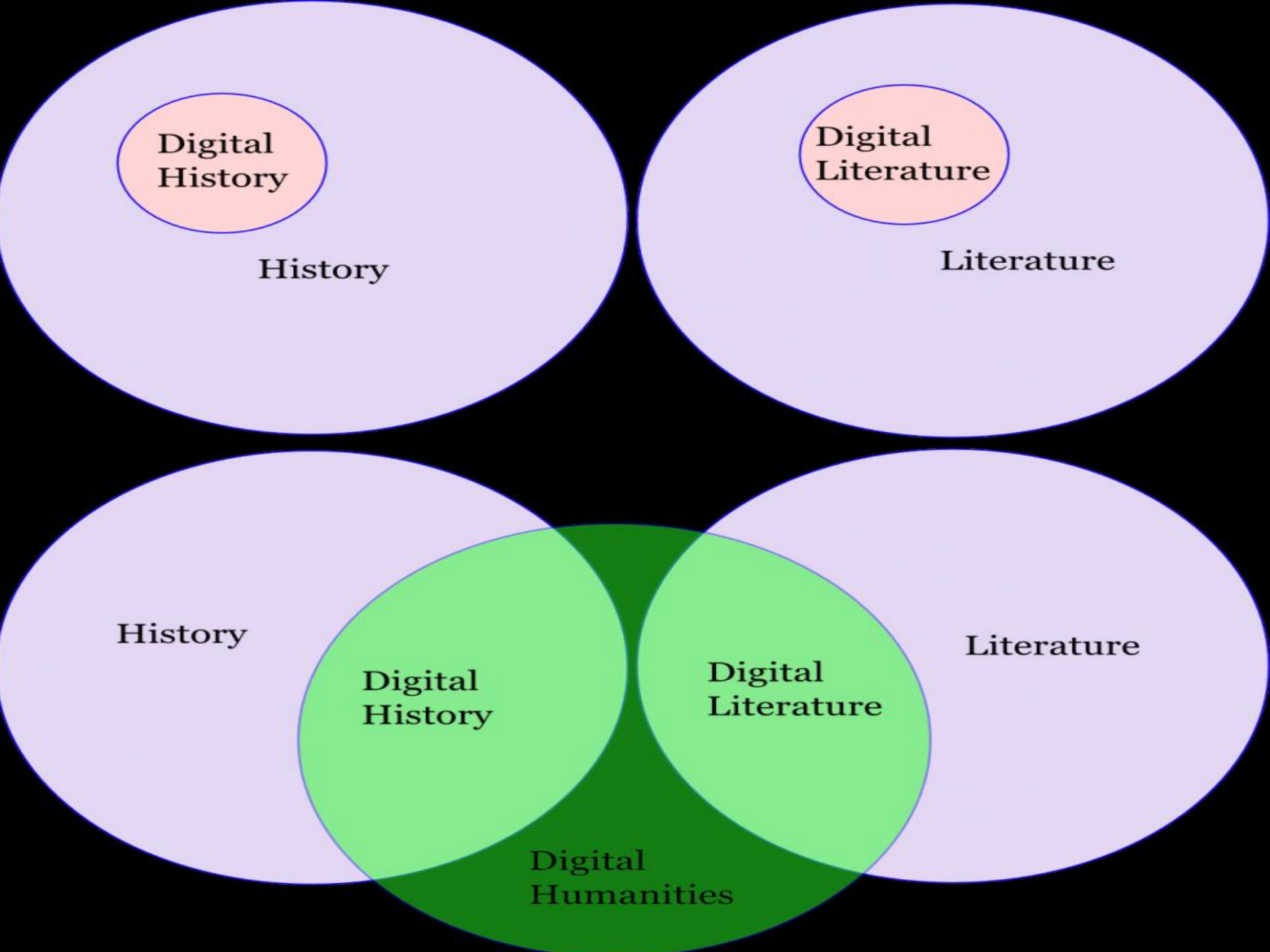
- Cloud storage and advanced software development
 - Access to accurate real-time data
 - Digital preservation and content curation
 - A sound institutional infrastructure to cope with the data revolution
 - Domain expertise
 - Need to define the role of the research library in the data revolution
- 

数字人文研究与学术图书馆

RESEARCH LIBRARY AND DIGITAL HUMANITIES

Digital-humanities research mirrors what research libraries have been doing in the past decades







The Getty Research Institute

Exhibitions & Events

Special Collections

Library

Search Tools & Databases

Scholars & Projects

Publications

About the GRI



Search Tools & Databases

■ Primo Search

▼ Getty Research Portal

- Contributing Institutions
- Become a Contributing Institution

■ Collection Inventories & Finding Aids

- ▶ Photo Archive
- ▶ Research Guides & Bibliographies
- Digital Collections
- ▶ Article & Research Databases
- ▶ Collecting & Provenance Research
- BHA & RILA
- ▶ Getty Vocabularies

Getty Research Portal

The Getty Research Portal™ is an online search platform providing global access to digitized art history texts. Through this multilingual, multicultural union catalog, scholars can search and download complete digital copies of publications for the study of art, architecture, material culture, and related fields. The Portal is free to all users.

■ Search the Getty Research Portal

The Getty Research Institute is spearheading this international collaboration with libraries that are digitizing art history books, thereby making their resources accessible to a larger audience. Initial contributors include the Avery Architectural & Fine Arts Library at Columbia University, the Biblioteca de la Universidad de Málaga, the Frick Art Reference Library, the Getty Research Institute, the Heidelberg University Library, the Institut national d'histoire de l'art, members of the New York Art Resources Consortium, and the Thomas J. Watson Library at the Metropolitan Museum of Art. This collaborative project will continue to grow through contributions.

The Getty Research Portal has the potential to revolutionize how art historians conduct research by widening the availability of rare books, early

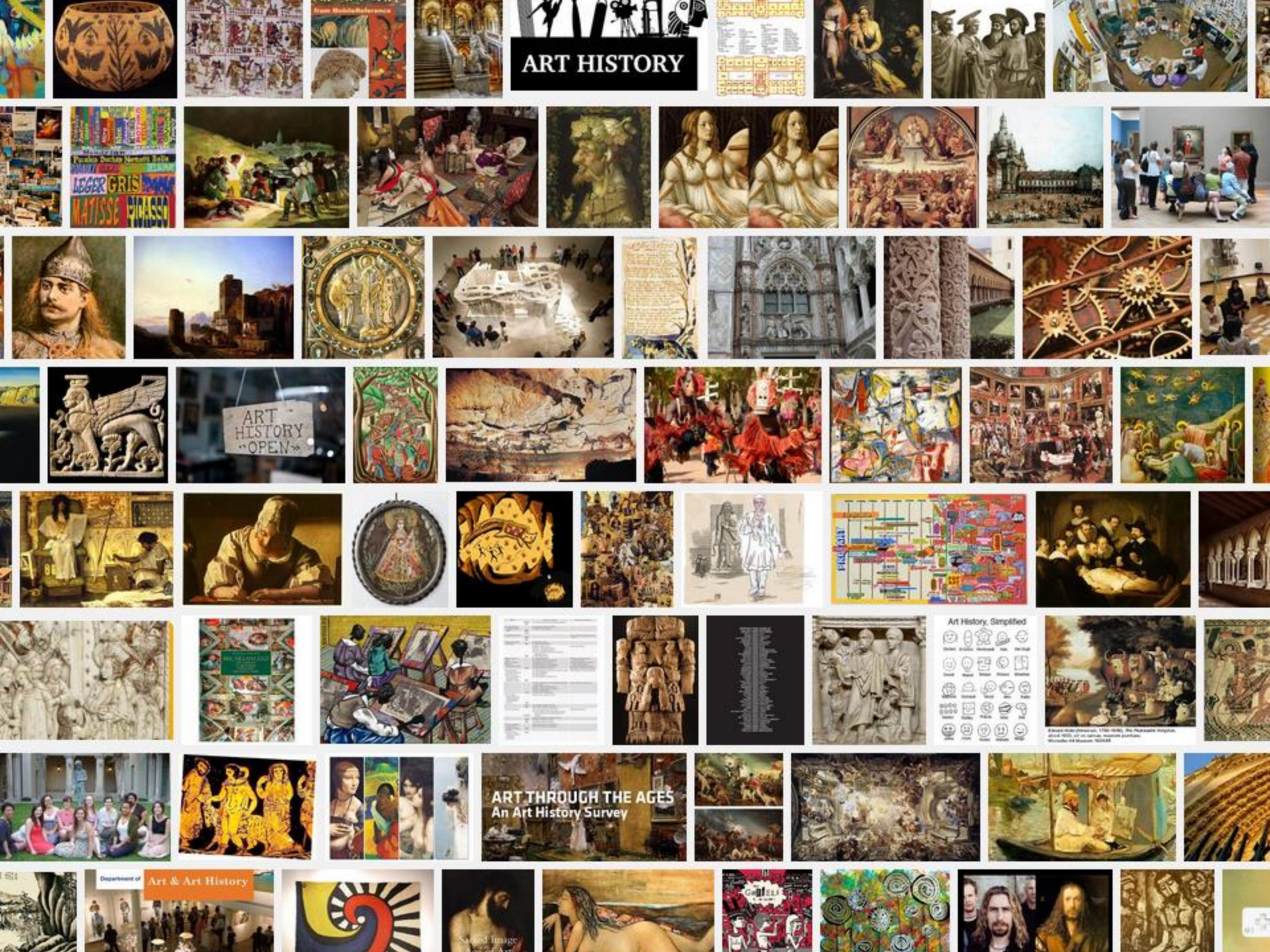


Related Event

- [Getty Research Portal Launch and Colloquium](#)

Have a Question?

- ☒ [Contact the Getty Research Portal](#)



Eternal Dunhuang

Sands Of Time

Digital Dunhuang

Conservation

Scholarly Exchange

Visitor Center

Advisory Board

Travel to Dunhuang

Silk Road Tour

Join Us

Giving to Dunhuang

Contact Us

English | 中文



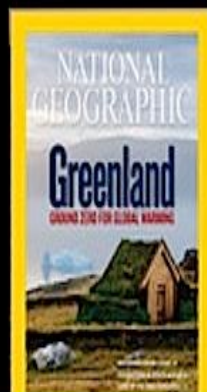
DIGITAL DUNHUANG

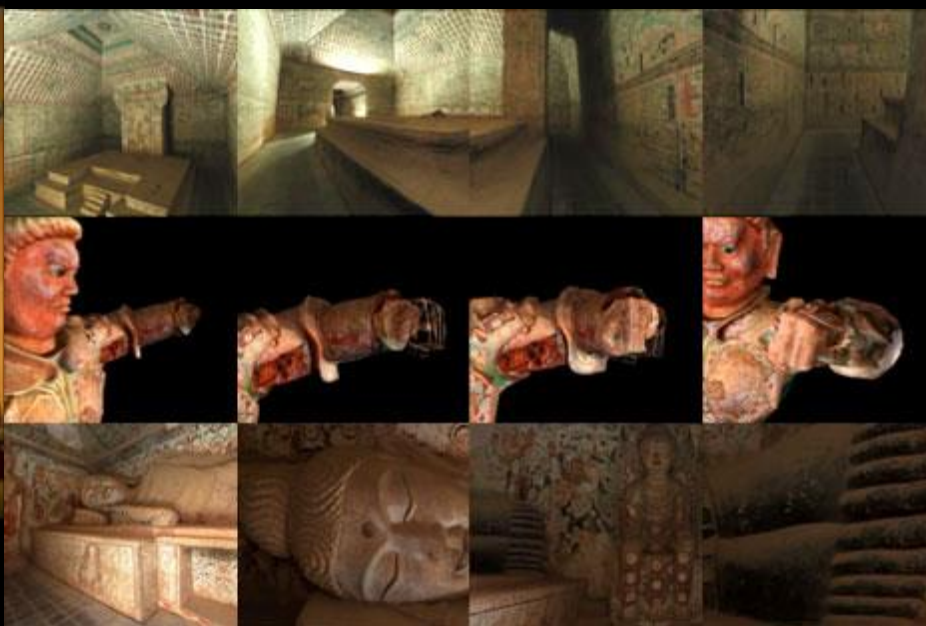
The Dunhuang Academy is applying innovative photographic techniques to digitally model the grottoes in three dimensions, freezing them in time to create a permanent archive. It will soon begin construction of a state-of-the-art Visitor Center to digitally showcase Dunhuang's treasures and inspire understanding of its role as China's bridge to the great civilizations of Europe and Asia. Multilingual digital tours of the most significant caves will reduce the impact of mass tourism, supplementing tours of the actual caves and enhancing the visitor experience.

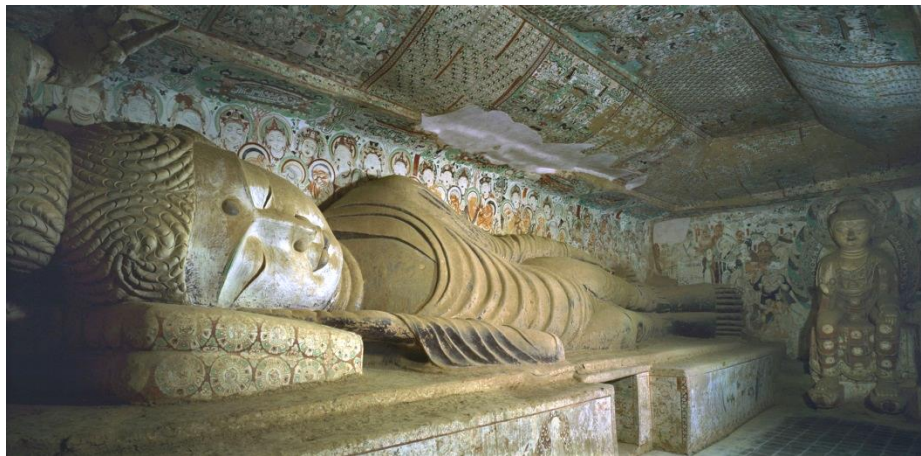
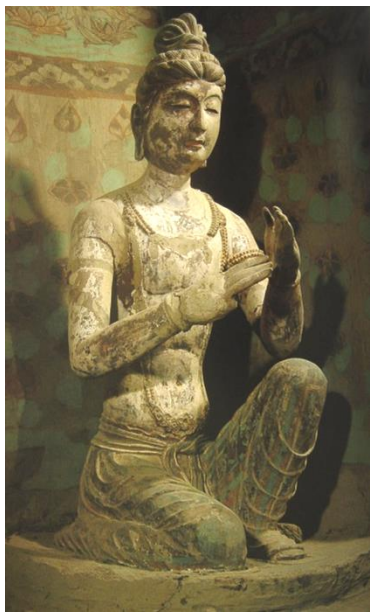
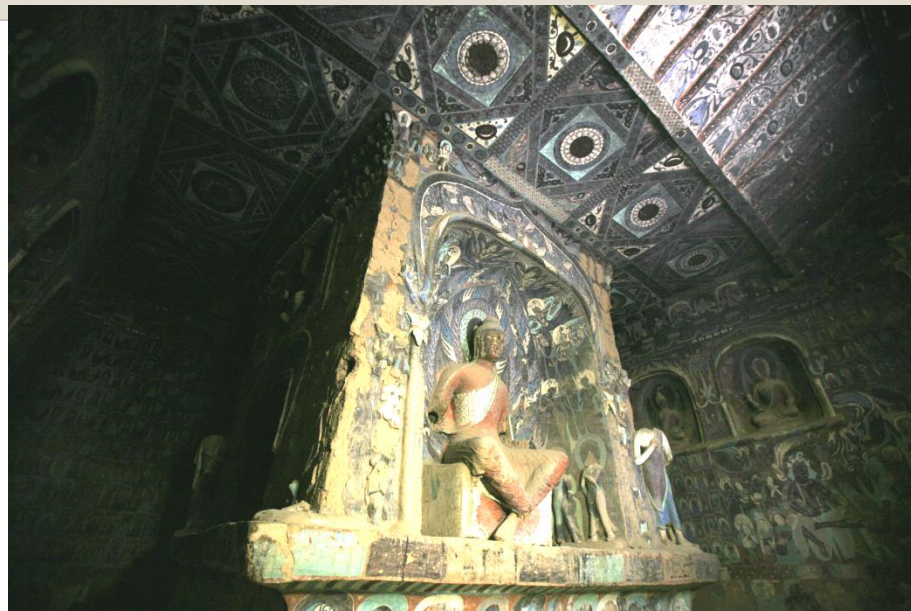
TOP: The digitally modeled Cave 61 provides a clear and compelling visitor experience.

MIDDLE: Digital reconstruction of a warrior's missing fist in Cave 196.

BOTTOM: Virtual tours make closed caves, such as 158, accessible to the public.







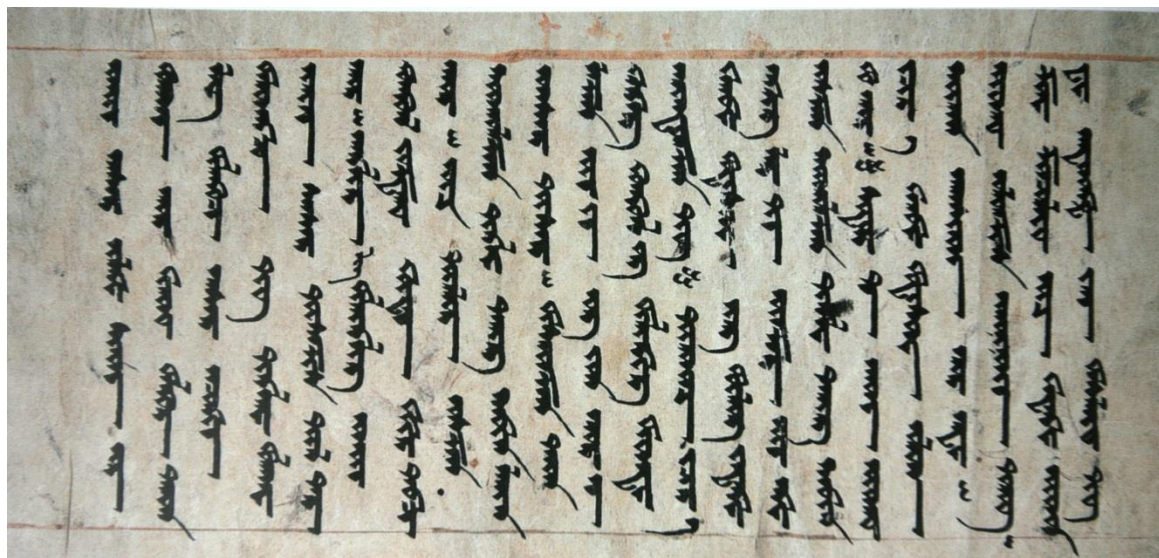
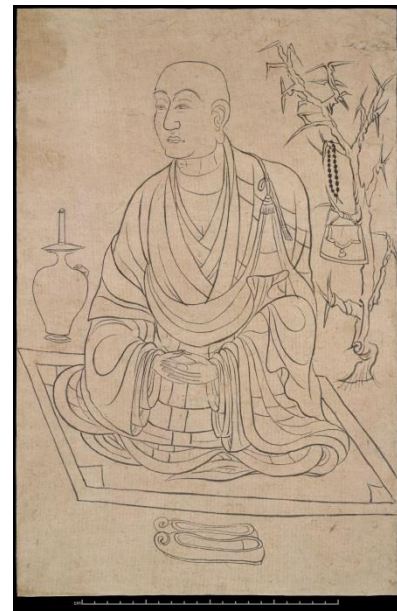
以精美的壁画和彩塑闻名于世





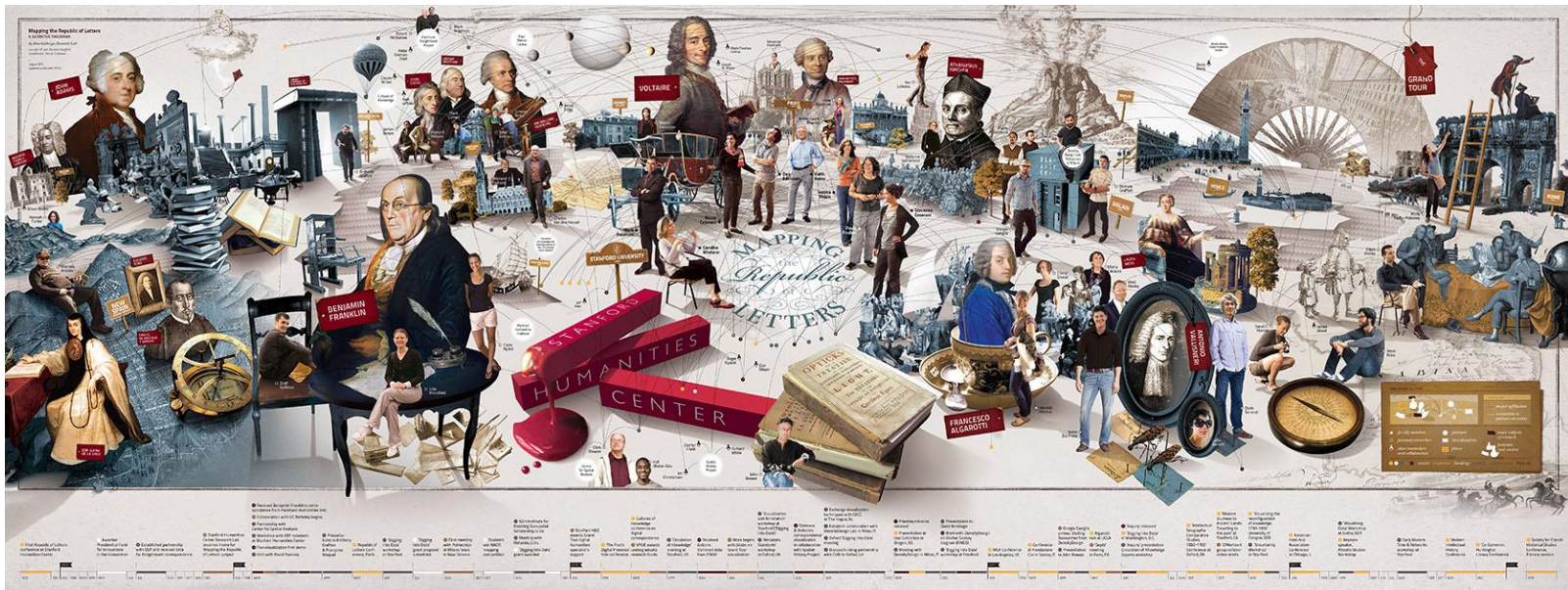


薩寶月菩薩月光菩薩滿月菩薩大力菩薩
 無量力菩薩越三界菩薩毘陀婆羅菩薩祇
 勒菩薩寶積菩薩導師菩薩如是等菩薩摩
 訶薩八萬人俱今時釋提桓因與其眷屬二
 万天子俱復有名月天子普忞天子寶光天
 子四大天王與其眷屬万天子俱自在天子
 大自在天子與其眷屬三万天子俱娑婆世
 界主梵天王尸棄大梵光明大梵尋與其眷
 屬万二千天子俱有八龍王難陀龍王跋難
 陀龍王婆伽龍王和修吉龍王德叉迦龍
 王阿那婆達多龍王摩那斯龍王優鉢羅龍
 王等各與若干百千眷屬俱有四緊那羅王
 法緊那羅王妙法緊那羅王大法緊那羅王
 持法緊那羅王各與若干百千眷屬俱有四
 乾闥婆王樂乾闥婆王樂音乾闥婆王美乾
 闥婆王美音乾闥婆王各與若干百千眷屬
 俱有四阿脩羅王婆伽阿脩羅王佉羅奢堅
 阿脩羅王毗摩質多羅阿脩羅王羅睺阿脩
 羅王各與若干百千眷屬俱有四大樓婆王



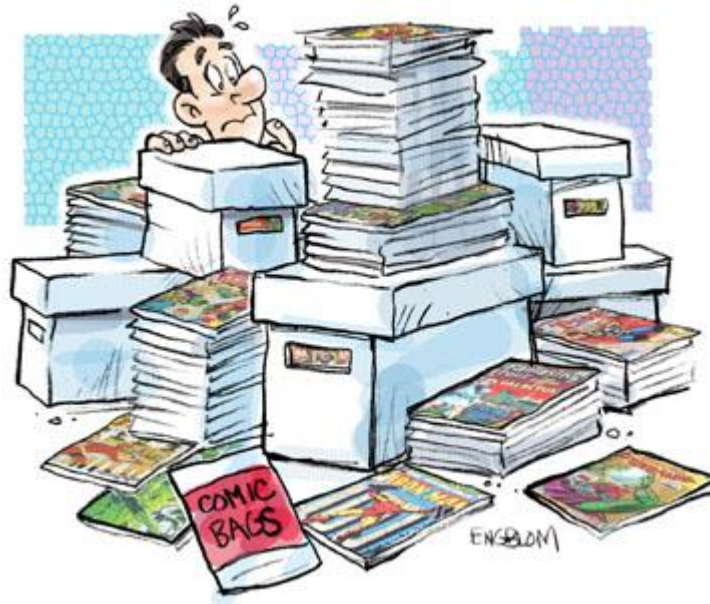
延吉藏江洞出土的八里珍貝文物，记录了「十相杵的正律文句」

MAPPING THE REPUBLIC OF LETTERS



SHARED PRINT 计划





Sending books to storage!



北加中心储藏库NRLF由
伯克利管理，南加中心
储藏库由UCLA管理

UNIVERSITY OF CALIFORNIA LIBRARIES' SHARED PRINT PROGRAM

从2004年开始，加州大学启动UC Shared Print 行动计划，协调处理系统内纸质文献和电子文献重复的问题，并借以制定馆藏资源的合理搭配、永久存储、资源共享和资源优化等一系列计划和举措。

JSTOR和IEEE过刊文献的剔除和保存 本文库，并延伸到区域合作



目标 VISION STATEMENT

Optimize the management of information resources for students and faculty by reducing unnecessary duplication, leveraging shared assets (such as regional library facilities), and expanding the information resources available systemwide, while meeting the information needs of library users at each campus.“

Council of University Librarians, University of California



谢谢!



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