



HATHI TRUST  
a shared digital repository

# Building the Universal Library: The Promise and Challenges of HathiTrust

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# What is HathiTrust?

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- origins
- intentions
- size and growth projections
- aspirations



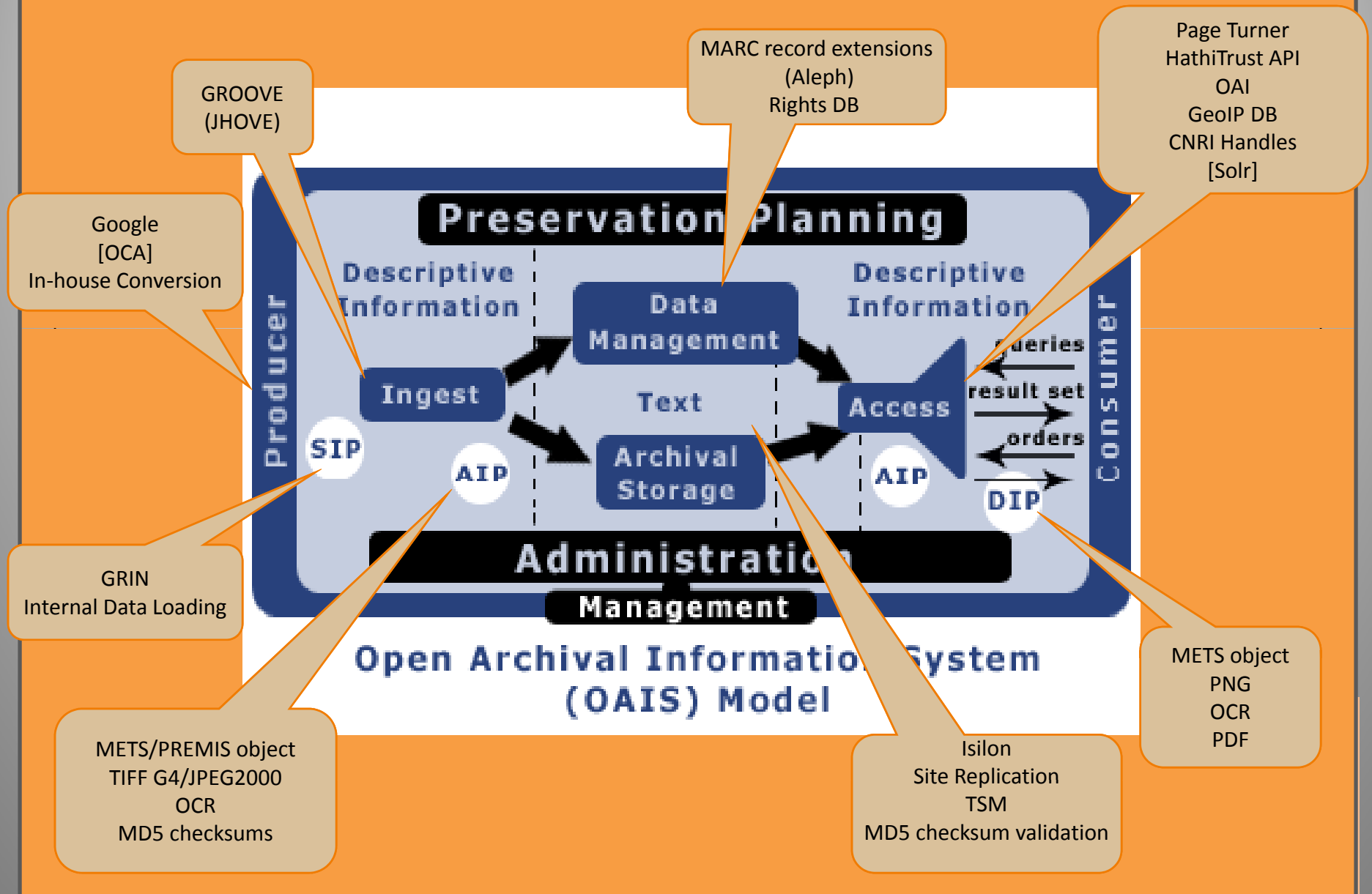
# current members

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- California Digital Library
- Indiana University
- Michigan State University
- Northwestern University
- The Ohio State University
- Penn State University
- Purdue University
- UC Berkeley
- UC Davis
- UC Irvine
- UCLA
- UC Merced
- UC Riverside
- UC San Diego
- UC San Francisco
- UC Santa Barbara
- UC Santa Cruz
- The University of Chicago
- University of Illinois
- University of Illinois at Chicago
- The University of Iowa
- University of Michigan
- University of Minnesota
- University of Wisconsin-Madison
- University of Virginia



# Preservation: OAIS Reference Model



# Mission and Goals

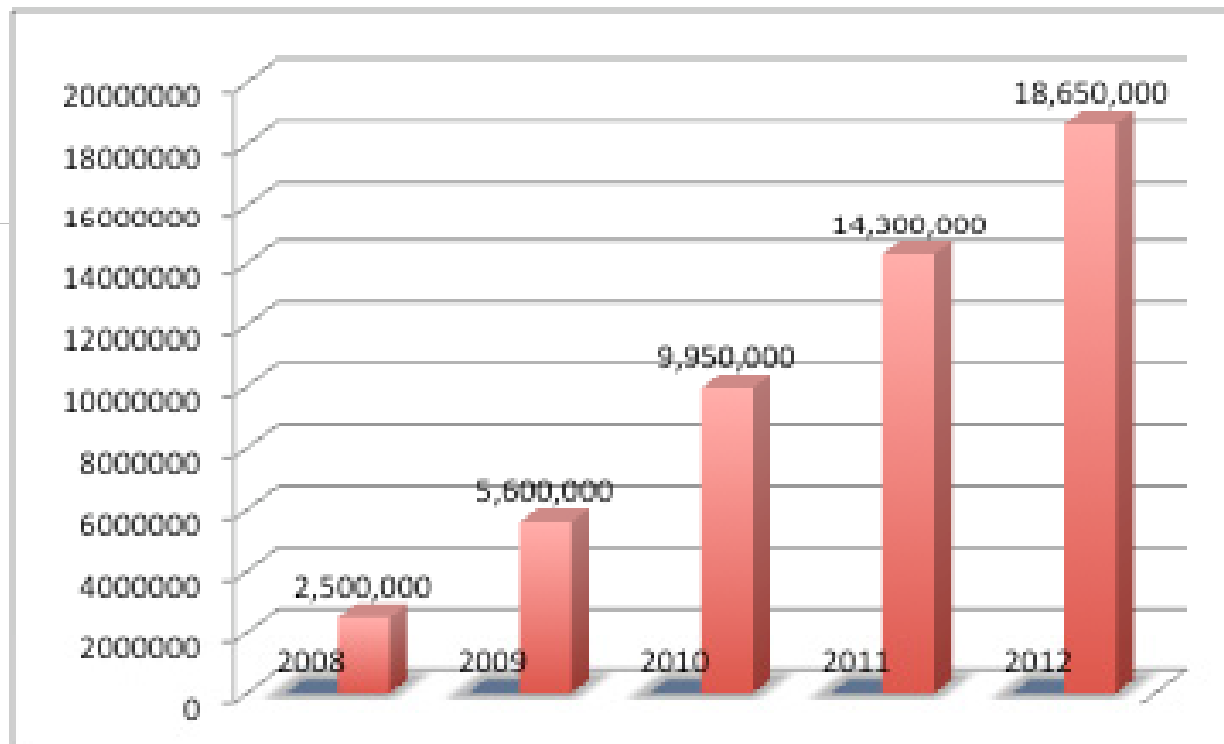
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- to contribute to the common good by collecting, organizing, preserving, communicating, and sharing the record of human knowledge
  - materials converted from print
  - improve access ...to meet the needs of the co-owning institutions
  - reliable and accessible electronic representations
  - coordinate shared storage strategies
  - “public good” ... free-riders.
  - simultaneously ...centralized ...open



# growth trajectory

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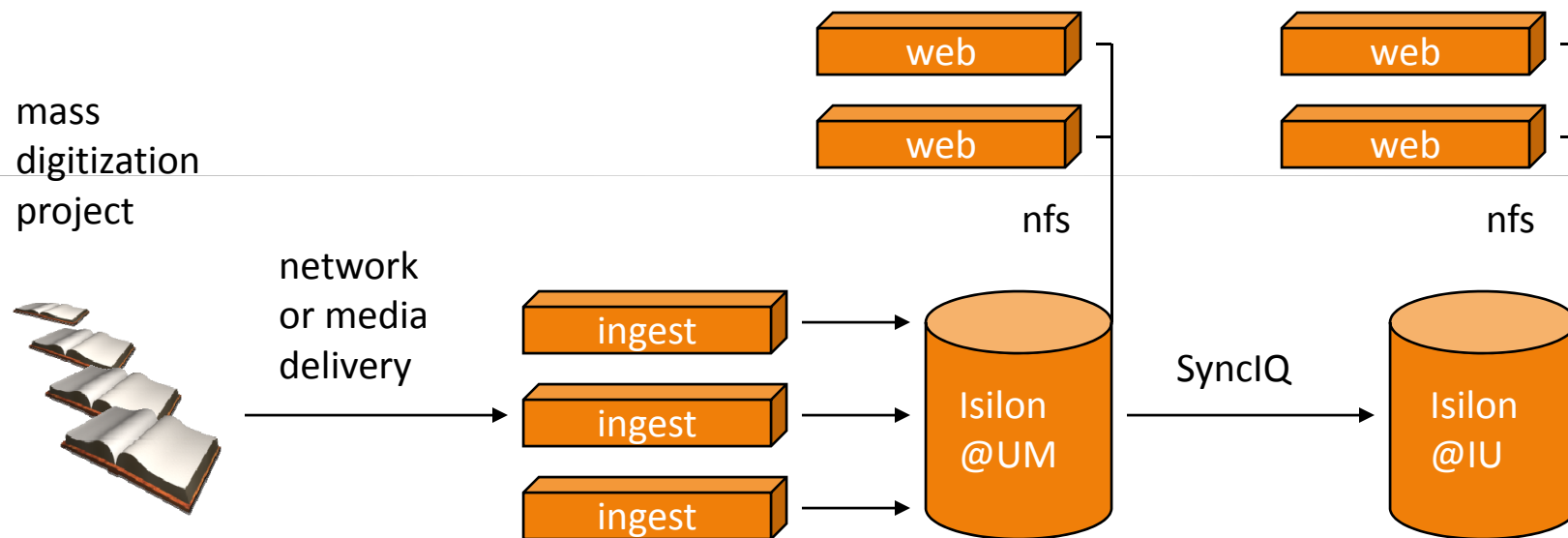
# accomplishments to date

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1. 25 partners
2. successful ingest and millions of vols online
3. mirroring *and* backup



# Flow of Materials





# accomplishments to date

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1. 25 partners
2. successful ingest and millions of vols online
3. mirroring *and* backup
4. rich access



# books and journals online?


The screenshot displays the Hathi Trust Digital Library website. At the top, the Hathi Trust logo and 'Digital Library' text are visible. Navigation links include 'Public Collections', 'My Collections', and 'Getting Started'. A search bar contains the text 'expatriate'. The main content area shows a scanned page from 'Memoirs of Miles Byrne', edited by his widow, v.1. The page number '60' is displayed. The text on the page reads: '60 MEMOIRS OF MILES BYRNE. mander-in-chief. This gentleman, though liberal and patriotic, and enjoying the most unlimited confidence for his integrity and zeal in the sacred cause of the people, did not possess the military talents or qualities necessary for such an important rank and situation: besides his very delicate constitution rendered him quite men of exemplary courage and talent, the general-in-chief, Harvey, found many other resources in the town of Wexford for his army; such as gunsmiths for repairing the fire-arms, and blacksmiths for forging pikes; a press for printing proclamations, which should have been issued and distributed in thousands, prohibiting pillage or plunder of any kind, but particularly against taking'.

On the left side of the page, there is a 'Login' section with a 'Login' button and a 'Add to your collection' section with a 'Select Collection' dropdown and an 'Add' button. Below this is a 'Mirlyn Record' section with navigation arrows and a 'go to #' field with the number '60'.

At the bottom of the page, there is a table of contents for sections 9 through 16, with page numbers ranging from 83 to 167. A 'more »' link is provided below the table.

At the bottom of the page, there is a footer with the text 'Digitized by Google' and 'Original from UNIVERSITY OF MICHIGAN'. A green arrow points to the 'Digitized by Google' text, and a blue arrow points to the 'Original from UNIVERSITY OF MICHIGAN' text.

# Search inside in-copyright




**HATHI TRUST** Digital Library

Login About Help Feedback

Try

Public Collections My Collections Getting Started

Title [more »](#) Handbook of archaeological methods / edited by ... v.1  [bookmark](#) Search in this text

Your search for **digital camera** matched **3** pages in this item.

Viewing results for: 1 to 3 of 3 pages

◀ [Return to the last page you viewed](#)

◀ [Go to the beginning of the book](#)

**Note:** detailed search results are not shown for restricted items.

p.164 - **7 matching terms**

p.165 - **5 matching terms**

p.452 - **3 matching terms**

Viewing results for: 1 to 3 of 3 pages



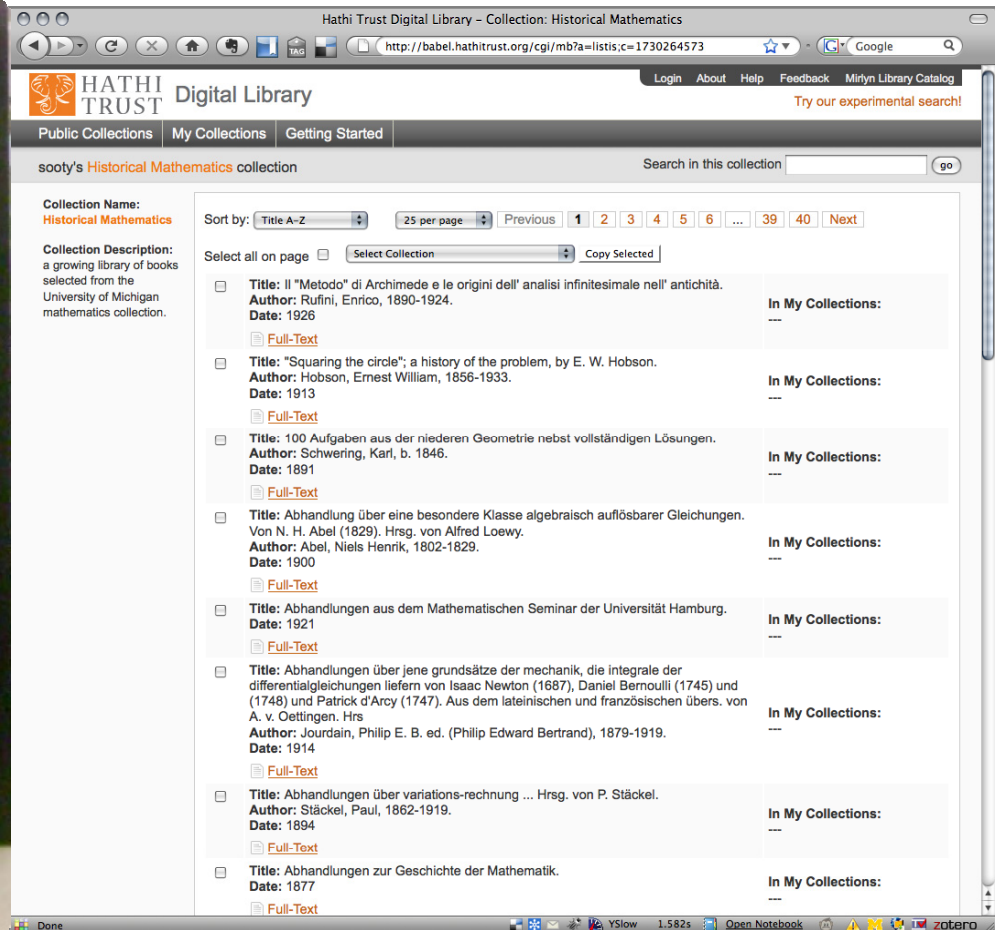
# accomplishments to date

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1. 25 partners
2. successful ingest and millions of vols online
3. mirroring *and* backup
4. rich access
5. “collection builder”



# Collection Builder



The screenshot displays the Hathi Trust Digital Library website for the 'Historical Mathematics' collection. The browser window shows the URL <http://babel.hathitrust.org/cgi/mb?a=listis;c=1730264573>. The page features a navigation bar with links for 'Public Collections', 'My Collections', and 'Getting Started'. A search bar is located on the right, with the text 'Search in this collection' and a 'go' button. The main content area is titled 'sooty's Historical Mathematics collection' and includes a 'Collection Name' section with the description: 'a growing library of books selected from the University of Michigan mathematics collection.' Below this, there is a list of books with their titles, authors, and dates. Each entry includes a 'Full-Text' link and a section for 'In My Collections'.

Title	Author	Date	Full-Text	In My Collections
Il "Metodo" di Archimede e le origini dell' analisi infinitesimale nell' antichità.	Rufini, Enrico, 1890-1924.	1926	<a href="#">Full-Text</a>	---
"Squaring the circle"; a history of the problem, by E. W. Hobson.	Hobson, Ernest William, 1856-1933.	1913	<a href="#">Full-Text</a>	---
100 Aufgaben aus der niederen Geometrie nebst vollständigen Lösungen.	Schwering, Karl, b. 1846.	1891	<a href="#">Full-Text</a>	---
Abhandlung über eine besondere Klasse algebraisch auflösbarer Gleichungen. Von N. H. Abel (1829). Hrsg. von Alfred Loewy.	Abel, Niels Henrik, 1802-1829.	1900	<a href="#">Full-Text</a>	---
Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg.		1921	<a href="#">Full-Text</a>	---
Abhandlungen über jene grundsätze der mechanik, die integrale der differentialgleichungen liefern von Isaac Newton (1687), Daniel Bernoulli (1745) und (1748) und Patrick d'Arcy (1747). Aus dem lateinischen und französischen übers. von A. v. Oettingen. Hrs	Jourdain, Philip E. B. ed. (Philip Edward Bertrand), 1879-1919.	1914	<a href="#">Full-Text</a>	---
Abhandlungen über variations-rechnung ... Hrsg. von P. Stäckel.	Stäckel, Paul, 1862-1919.	1894	<a href="#">Full-Text</a>	---
Abhandlungen zur Geschichte der Mathematik.		1877	<a href="#">Full-Text</a>	---

# accomplishments to date

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1. 25 partners
2. successful ingest and millions of vols online
3. mirroring *and* backup
4. rich access
5. collection builder
6. soon, full text search and data API



HathiTrust

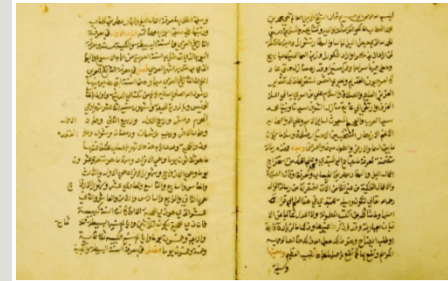
Page images

Local  
OPAC

Catalog records

Enriched records

Project staff review comments  
and enrich cataloging records.



## Project Website

Comment 1

**Title** Wasīlat al-ṭullāb li-ma'rifat a'māl al-layl wa-al-nahār bi-ṭarīq al-ḥisāb :

وسيلة الطلاب ل معرفة أعمال الليل والنهار بطريق الحساب  
manuscript [between 1525? and 1861]

**Author** Ḥaṭṭāb, Yaḥyá ibn Muḥammad, 1496 or  
7-1586 or 7.

. يحيى بن محمد الحطاب

Comment 2

Comment 3

Comments



## next up ...

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- non-Google ingest (OCA & local digitization)
- corpus research support
  - SEASR
  - Data export
  - Research center
- openness strategies
- binding together shared print and digital in strategy to manage local print





# Universal Library?

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- collaborative work around collaborative problem
- preserving the published record
- comprehensiveness through consolidation and sense-making
- commitment to perpetuity



# opportunities

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- economies of scale
- comprehensive collection
- combining print and digital strategies
- more effective digital preservation
- stepping stone to preserving other forms of digital content
- platform for new methods of discovery
- non-consumptive research



# challenges

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- digital preservation
- collaboration
- understanding what the *right* services are
- The Silence of the Archive: The USPS problem



# thank you!

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- <http://www.hathitrust.org/>
- [hathitrust-info@umich.edu](mailto:hathitrust-info@umich.edu)
- [jpwilkin@umich.edu](mailto:jpwilkin@umich.edu)

