



Charlotte Initiative

Session A: ***E is for Everlasting?***

Approaches to Supporting eBook Perpetual Access

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perpetual, adj., adv., and n.

1.a. Lasting or destined to last for ever, eternal; never ending or ceasing. Also: for the duration of a person's lifetime; (of a position, office, etc.) held or occupied until death, appointed for life; permanent.

b. Chiefly *Law*. That serves or remains applicable, valid, or in force for ever, or for an indefinite or unlimited period; given or paid in perpetuity; irrevocable.

c. *Finance*. Of an investment: having no date of maturity, having the potential to continue indefinitely.

2.a. Continuing or continued in time without interruption or remission; repeated frequently or without cessation; occurring in endless succession; persistent; continual; constant.

[OED]

CI Platform and Preservation Research Team: Program

- Identification of Best Practices in licensing terms for perpetual access and local preservation
- Survey of current academic library eBook preservation strategies
- Review of third party eBook preservation solutions (Portico, CLOCKSS, etc.)
- Considerations for creating your own eBook preservation platform

CI Survey of Academic Library eBook preservation strategies - early impressions

N=69 so far

- 58% of identifying libraries are in Carnegie Classification “doctoral” universities
- 20% Collections budget <\$500,000, 11% Collections budget >\$10M
- eBook spending as % of collections budget ranging from 1.24% to 65%; average 11.6%
- Size of eBook collections ranging from 10% of libraries with <50,000, 30% >500,000
- 20% of libraries purchase **almost all** (>90%) of their eBooks via consortia. 30% purchase **almost none** (<5%) via consortia.

- Only 10% of respondents **required** a Perpetual Access provision in their eBook licenses.
(But DDS evidence and leasing rather than outright purchase can make a difference)
- **“Do you track the preservation status of items in your eBook collection in any way (i.e. whether you have Perpetual Access, where or how the items are being preserved, etc.)?”**

15% Yes42% No43% Sometimes

[when “Yes”, 55% do it @ collection level, 45% @ item level]
- Only 5 libraries (7%) track whether individual items are held anywhere (locally or by 3rd party services) in a preserved format
- Only 8 libraries (12%) have policies/programs covering long-term preservation of their eBooks.

- 30 libraries (43%) indicated reliance on 3rd party preservation services (Portico, Hathi, CLOCKSS, Scholars Portal, etc.)
- 6 libraries (9%) indicated they were using “local” repository solutions

Comments:

“Currently we rely on the vendor for PA”

“We subscribe to Portico to give us some peace of mind”

“Apparently we need to put more thought into this area”

“Since we rely on subscriptions we assume that EBSCO, Proquest, and others are addressing these issues on their eBooks as part of their business models”

“Seems like it really needs to be a collaborative effort. A distributed ebook repository. But efforts like Portico and Hathi are an important contribution”

Big Questions

Who has rights?

What is one preserving?

How much is one preserving?

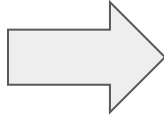
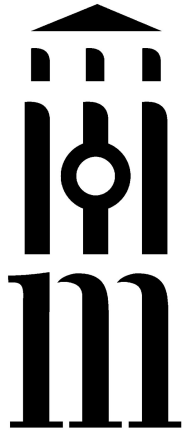
How can you afford preserving? Who has responsibility?

How much duplication is necessary or desirable?

Perpetual Access vs Preservation?

U of M Press: A Typical UP

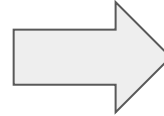
UMP Servers
Preservation



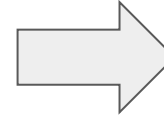
DAM System



DRM-free vendor

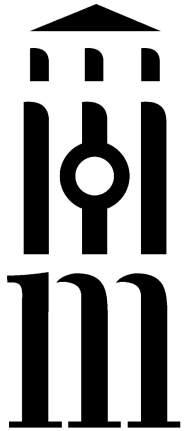


PORTICO



U of M Press: UP in a Library Context

UMP Servers
Preservation



DAM System



DRM-free vendor



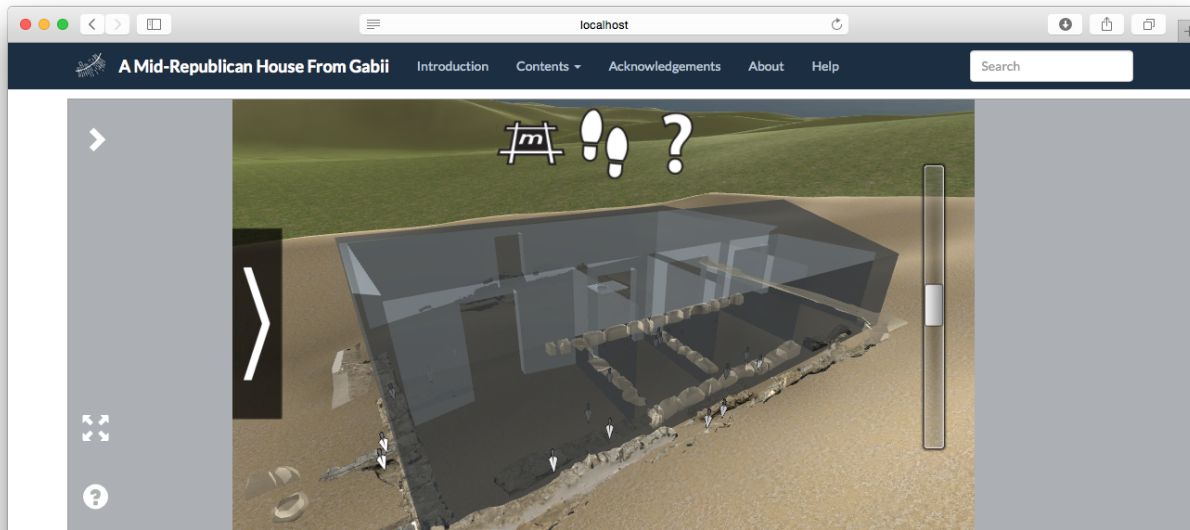
PORTICO

HathiTrust



Challenges of Current System

- 1. Partial coverage:** Typical UP workflow may only include books for which ebooks are created for sale and moreover only the subset sent to DRM-free vendors. So potentially only these enter Portico.
- 2. Derivative versions:** Flat PDFs go to JSTOR and Muse. HathiTrust converts PDFs to image files. What about EPUB files? (U-M Library now working on workflow to ingest EPUB into HathiTrust)
- 3. Challenge of non-textual formats:** Many books currently have redacted images. What about embedded multimedia? More complexity is coming, e.g., books as apps, structured data, interactive narratives



The story of the house

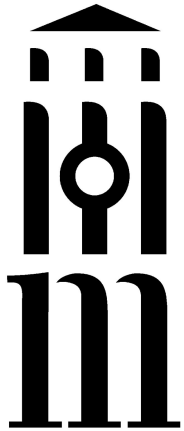
The town of Gabii is shaped like the flattened skeleton of a fish, a long curved spine with ribs splayed out, running off either side. It sits on the southern slopes of a low conical mound with a crater in its middle; a bit of landscape whose topography was defined by a long dormant volcano. The town's main east west thoroughfare traces the contour of the slopes of the crater, near the base of the mound. Between this road and the rim of the crater that defines the northern limit of the town, a series of terraces rise up. South of the road, the town continues across more level terrain.

Once upon a time in this town there was a house. In fact there were a number of houses, but this story is about a particular house built two terraces north of the main road, and one block east of a particularly important side street that runs down the slope from the crater's rim to join up with the Via Gabina, which links Rome to Praeneste. The location of this house, tucked just off this crossroad, gives shape to its story.

To tell the story of this house, we must begin before the house was built and even before the streets that defined the limits of the property were laid out, or the terraces cut into the bedrock. At this time, huts, yards and other small structures, some grouped into compounds and ringed with their own walls, were scattered across the slope of the crater. In the place where our house will be built there is someone living or working.

University of Michigan Press: The Future?

UMP Servers
Preservation



DAM System



DRM-free vendor



PORTICO

HathiTrust





**Library's
Current E-books**

UVA and APTrust



Preservation of access to acquired e-books:
We've got this covered, right?



**ACADEMIC
PRESERVATION TRUST**

**Dedicated Digital
Preservation**

UVA and APTrust

UVA Library

- Collection includes about 400K e-books
 - 75 percent are subscriptions (varying need for PCA)
 - Remaining 100K: licenses vary wildly re perpetual access
- Many acquired through consortium licenses (not UVA negotiation)
- Preservation to assure access has been mostly an afterthought
- Lots of work to do to be sure of the license provisions of what we already have

UVA and APTrust

APTrust (aptrust.org)

- Consortium of 16 research-university libraries; headquarters at UVA
- Bit-level preservation environment
- Concept of lots of copies (3 on east coast, 3 on west coast, APTrust processes check fixity every 90 days) by higher ed for higher ed
 - Amazon Web Services on back end (content is managed by our software, not Amazon's)
 - Additional service providers in future
- Each institution determines content deposited, and each assures rights status

UNIVERSITY
of VIRGINIA
LIBRARY

Library's
Current E-books

UVA and APTrust

Components missing
but needed for
preservation
of access



ACADEMIC
PRESERVATION TRUST

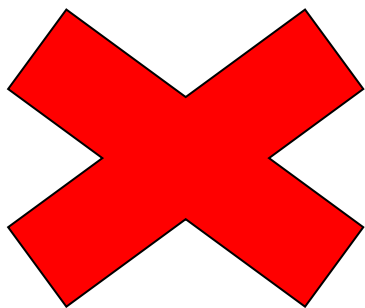
Dedicated Digital
Preservation

UVA and APTrust

So what's missing for us?

UVA and APTTrust

So what's missing for us?



It isn't the technology (at least not the core functionality needed for digital preservation, which we have through APTTrust, Hathi, DPN, and many other similar efforts).

UVA and APTrust

So what's missing for us?

- Clear idea of what access we want to preserve (not just PDF)
 - Hard to think ahead 10 years when recovering from not fully realizing what we needed to do for the last 10

Content + Software
Equals
Preservation of Access

UVA and APTrust

So what's missing for us?

- Clear understanding of level at which we want to preserve it
 - Not just about “to preserve or not to preserve”

All e-books are not equal
(in deserving preservation of access).

[But, it would take much less time to preserve access if they were.]

UVA and APTrust

So what's missing for us?

- Sufficient leverage in negotiation to get appropriate license terms
 - Do we have to all buy together, or can we just buy the same way?
 - Push to help openness make dents in the market should help leverage.
- Then, the hard part:
 - What should we acquire in an e-book (Charlotte Initiative principles)
 - Perpetual access and archiving rights
 - Unlimited simultaneous users
 - Freedom from DRM

UVA and APTrust

So what's missing for us?

ENOUGH MONEY

Our strategies:

- Get more (wish us luck with that)
- Reduce the amount needed
 - Eliminate ineffective redundancy (through ideas like Keepers Registry)
 - Collaborate (one-off solutions cost more)



EDU ∞ PIA INSTITUTE



Digital Preservation

Ingest Format Validation **Audit** Storage
Fixity Checking Geographic Replication
Access *Repair* Data Wrangling
Metadata Testing *Trust* **Rights** (etc...)

“The series of ***managed activities*** necessary to ensure continued access to digital materials for as long as necessary.” - *Digital Preservation Coalition*



Promoting innovative, sustainable publishing services in academic & research libraries

The Library Publishing Coalition (LPC) fosters collaboration, knowledge-sharing, and the development of common practices for library publishers. Our goal is to explore how to better serve the scholarly communication needs of the academic community, through sustainable, innovative library publishing solutions aligned with institutional missions.

LPC membership is open to academic and research libraries and library consortia seeking to explore and define new publishing solutions. We actively seek strategic alliances and connections to organizations with similar values and interests.



Announcements

Announcing the inaugural recipients of the LPC Award for Outstanding Scholarship in Library Publishing: Ann Okerson and Alex Holzman.

[More >](#)

New resource: The LPC's Library Publishing Bibliography.

[More >](#)

Visit our new Job Board for open library publishing jobs and an archive of past listings.

[More >](#)

Twitter



Library Publishing @LibPubCoalition

We are pleased to announce a new #LPForum17 sponsor: @Veruscript. Thanks for supporting the Library Publishing Forum!



03 Mar



Library Publishing @LibPubCoalition

One week left to register for the 2017 Library

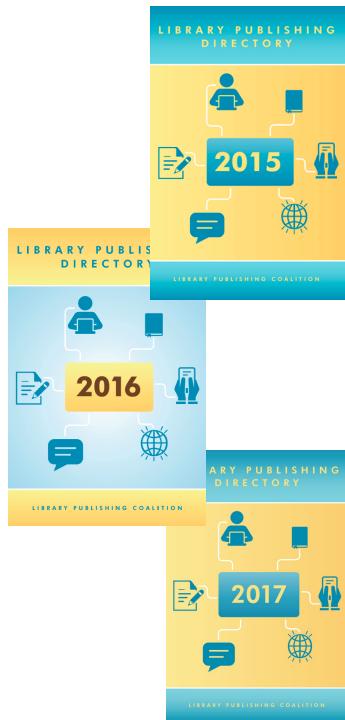
LIBRARY PUBLISHING DIRECTORY



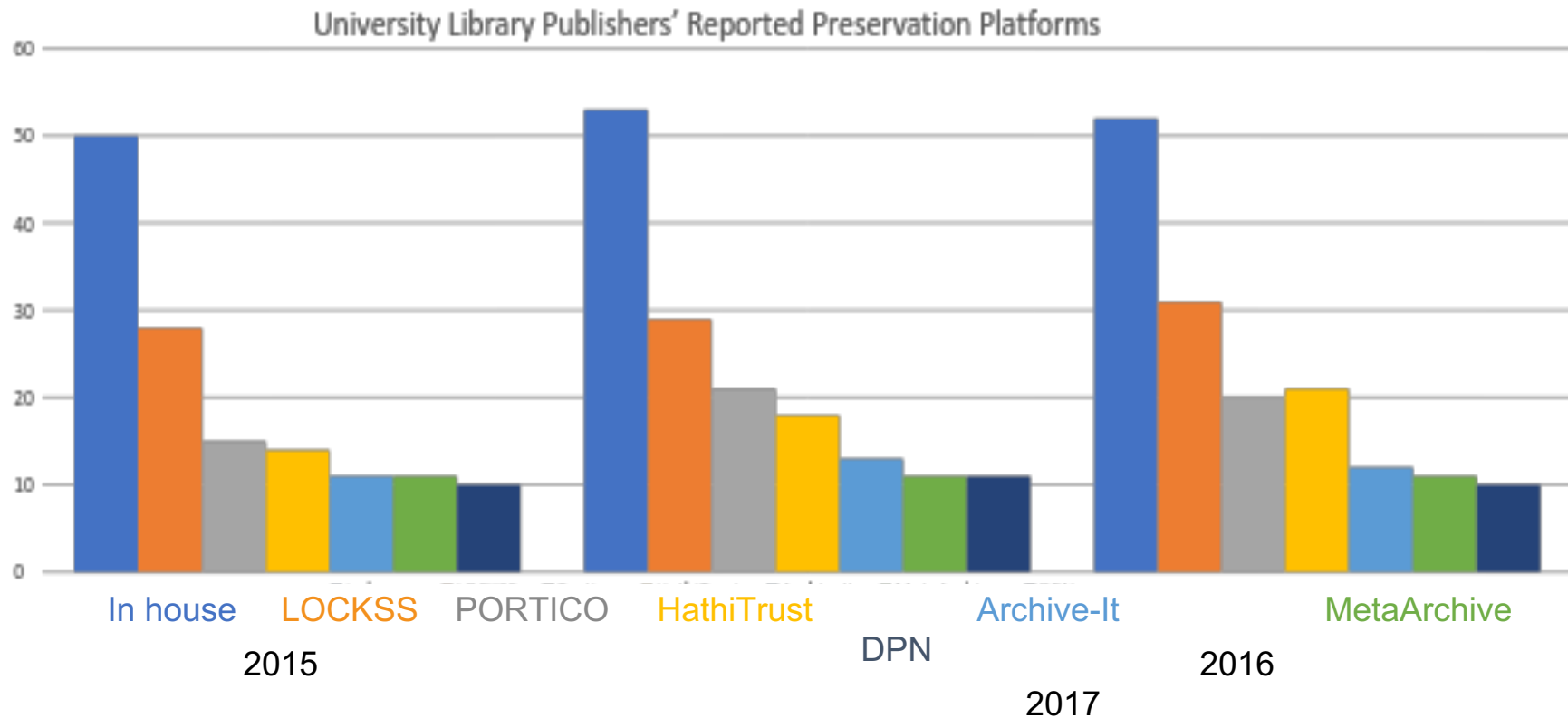
LIBRARY PUBLISHING COALITION

University Library Publishers' Reported Preservation Platforms

| | 2015 (124 respondents) | 2016 (115 respondents) | 2017 (118 respondents) |
|------------------|----------------------------------|----------------------------------|----------------------------------|
| AmazonS3 | 7 | 6 | 8 |
| APTrust | 3 | 7 | 6 |
| Archive-It | 11 | 13 | 12 |
| CLOCKSS | 14 | 13 | 14 |
| DuraCloud | 9 | 7 | 7 |
| DPN | 10 | 11 | 10 |
| HathiTrust | 14 | 18 | 21 |
| LOCKSS | 28 | 29 | 31 |
| MetaArchive | 11 | 11 | 9 |
| Portico | 15 | 21 | 20 |
| Preservica | 0 | 0 | 2 |
| ScholarsPortal | 0 | 4 | 5 |
| in-house | 50 | 53 | 52 |
| under discussion | 50 | 46 | 41 |
| none | 2 | 1 | 2 |



To look at that through another lens...





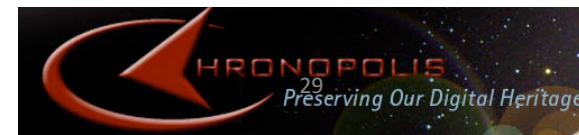
BitCurator



Amazon Glacier



PORTICO





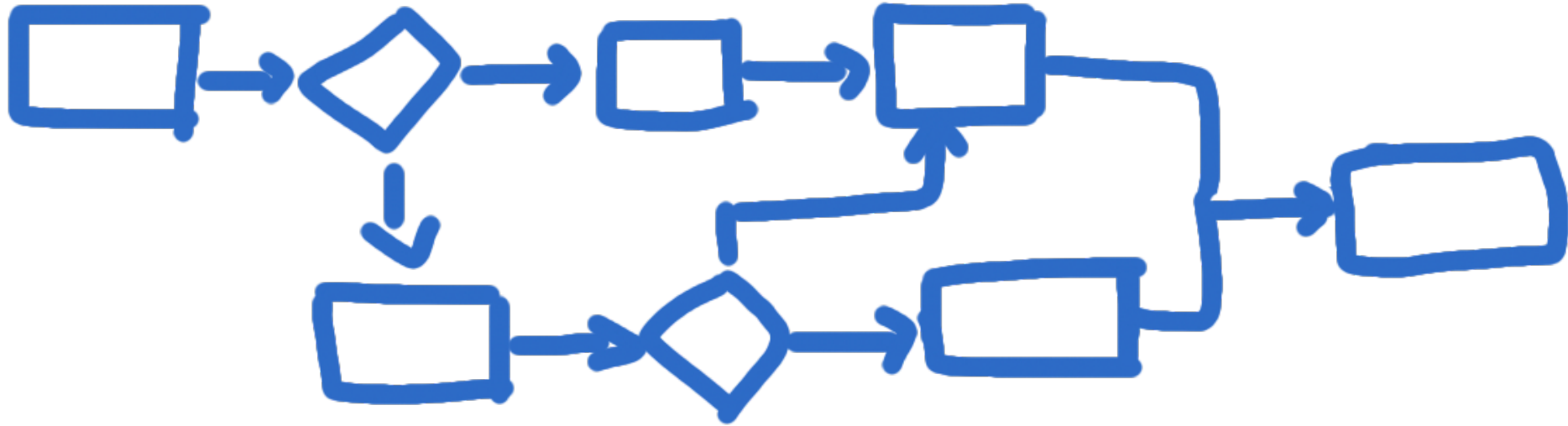
www.TheDragonflyForest.blogspot.com

www.Facebook.com/TheDragonflyforest

Think about all of the variations



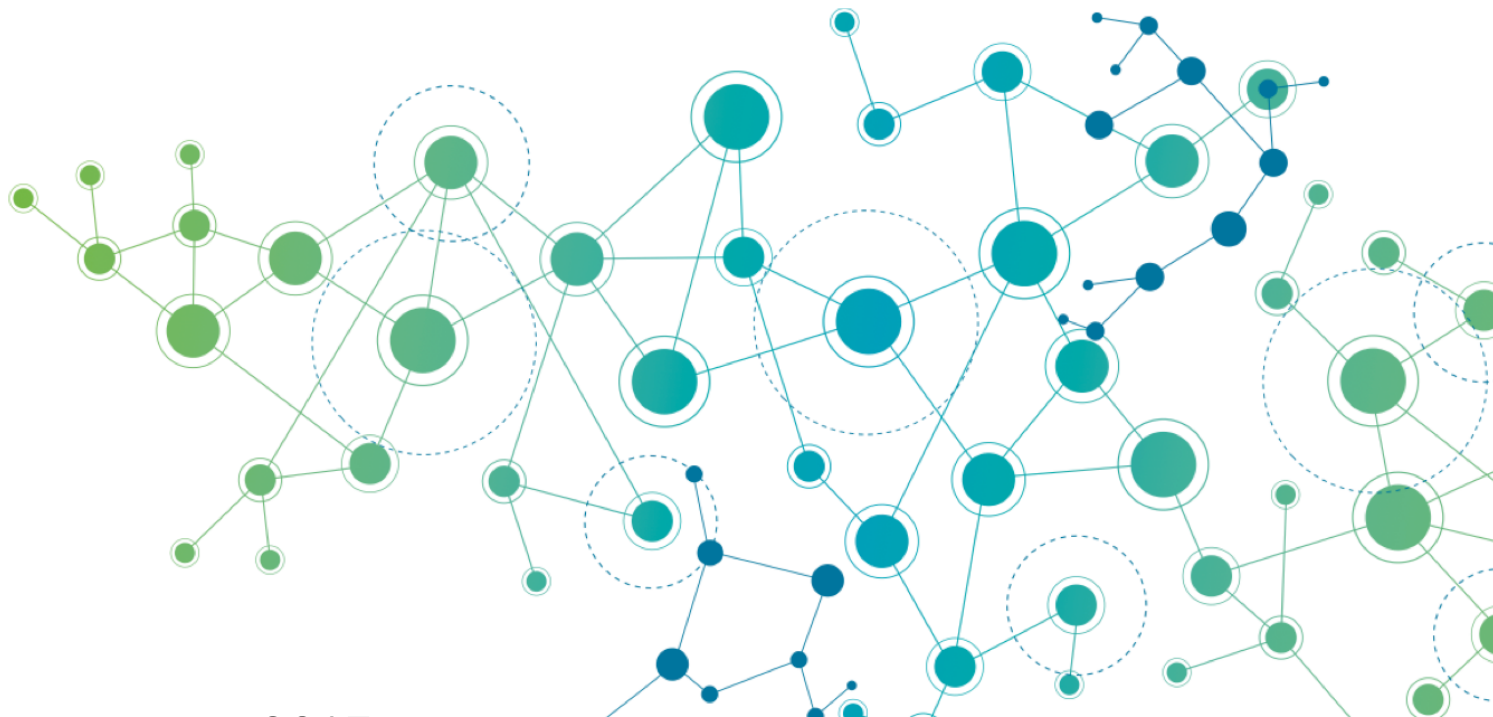
It is an ongoing process





60+ libraries and museums in three nations preserving more than 1180 collections (totaling more than 80 TB) together in a Private LOCKSS Network environment.

2004



2017

And a final hat...

Software Preservation Network (*consulting*)



Call to Action



- **MAKE PRESERVATION PART OF THE WORKFLOW**
 - Meet publishers where they live, e.g., integrate with BiblioVault and CoreSource
 - Expand opportunities and make it easy for publishers to deposit into HathiTrust

- **KEEP PRESERVATION PRESENT IN LICENSING NEGOTIATIONS**



- Get licensing right (or as right as you can)
- Work (and collaborate) to make your preservation strategy financially sustainable: no one pays once to preserve



- **GET STARTED. NOW.**

- Inventory your digital publication collections and ID what you're not preserving
- Establish bit-storage method that includes at least four separate copies and locations for vulnerable collections
- Work in communities of practice; don't seek "one-size-fits-all" solutions

