OCLC Update Luncheon | OLA Super-Conference
February 2, 2017

SCS/GreenGlass: Decision Support for Print Book Collections

Rick Lugg
Executive Director, Sustainable Collection Services

Helping Libraries **Manage** and **Share** Print **Monographs**

SCS

Individual & Group Projects

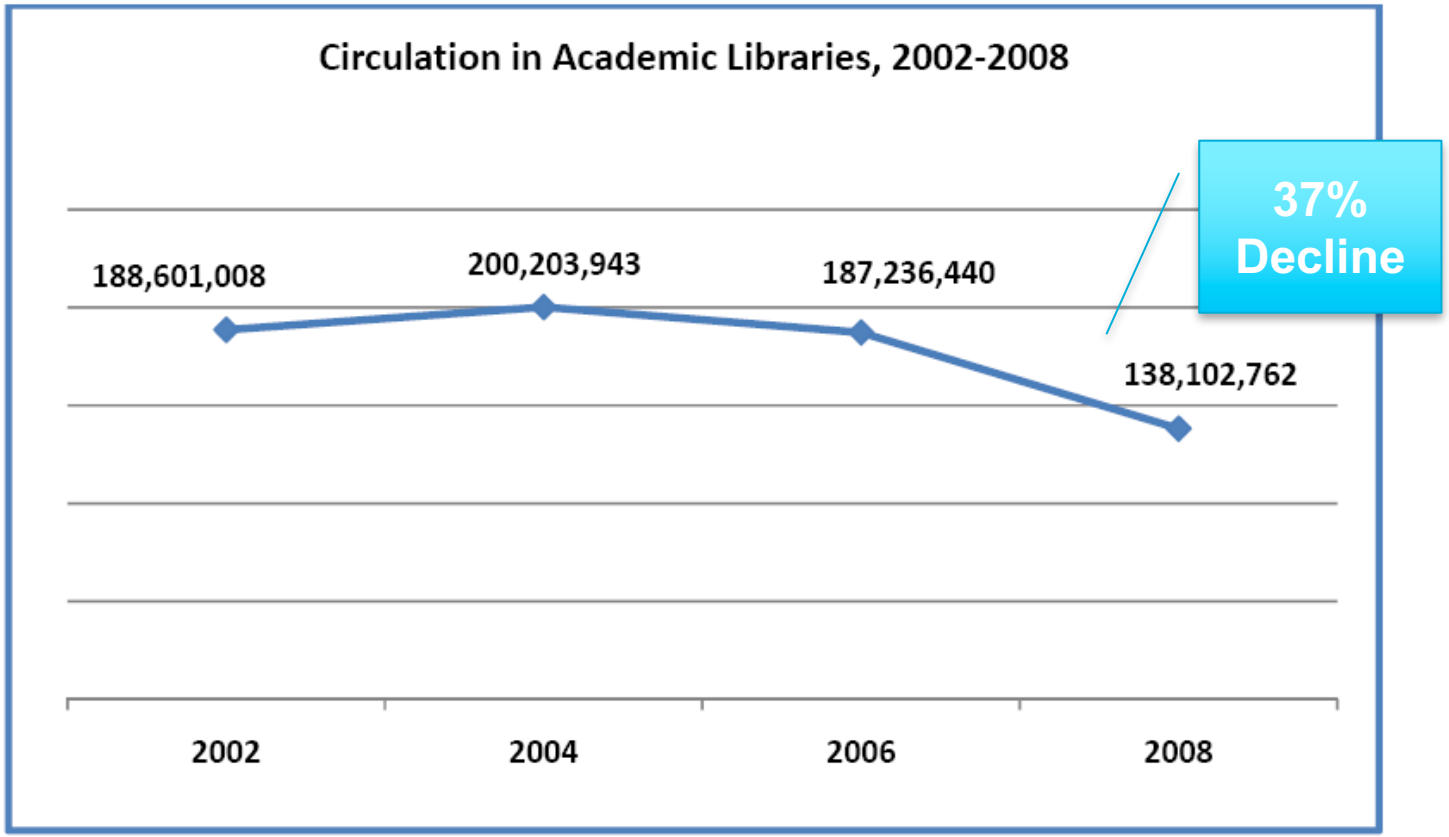
- McGill University
- Universite de Montreal
- University of Saskatchewan
- Michigan State University
- Johns Hopkins University
- Purdue University
- Boston College
- Indiana University
- MIT Libraries
- Eastern Academic Scholars' Trust (EAST)
- COPPUL SPAN
- Novanet
- Tri-University Group (TUG)
- Academic Libraries of Indiana
- Michigan Shared Print Initiative (MI-SPI)
- White Rose Libraries

Issues facing local print book collections

- Stacks are overcrowded
- Use of print books is low and declining
- Library space is wanted for other purposes
- Print redundancy is significant
- The cost of keeping books on shelves is high
- Alternatives exists, but the data is scattered
- Traditional approaches to deselection are costly and time-consuming
- Where do print book collections fit in the library's priorities?

OCLC The world's libraries. Connected.

Circulation in Academic Libraries: Declining Since 2004



Source: National Center for Education Statistics. *Academic Libraries*, various years. Table 1 (http://nces.ed.gov/pubsearch/getpubcats.asp?sid=041#)

Library space is wanted for other purposes

“The crowding out of readers by reading materials is one of the most common and disturbing ironies in library space planning.”

--Scott Bennett
Yale University
Librarian Emeritus

Lifecycle costs: Monographs

CLIR, June 2010

Courant & Nielsen

Estimated Annual Costs

- $4.26/ volume annually in central stacks
- $0.86/volume in high-density facility

On the Cost of Keeping a Book

*Paul N. Courant and Matthew "Buzzy" Nielsen**

1. Introduction

Among the critical functions of research and academic libraries is preservation—keeping both the scholarly record and much of the associated cultural record fit for use over time. Until recently, maintaining this record entailed managing primarily printed works, of ink on paper, bound in book form. The advent of electronic texts poses a novel and expensive set of preservation problems for academic libraries that have been addressed by many current and recent studies on the cost of digital preservation.[1] The topic of this report is the cost of storing and using print in old-fashioned codex form.[2]

We have two motivations for doing this work. The first is something of a straw man: as librarians and their funders become increasingly aware of the daunting technical and economic problems associated with digital preservation, there is often a certain wistfulness for

Print redundancy is significant

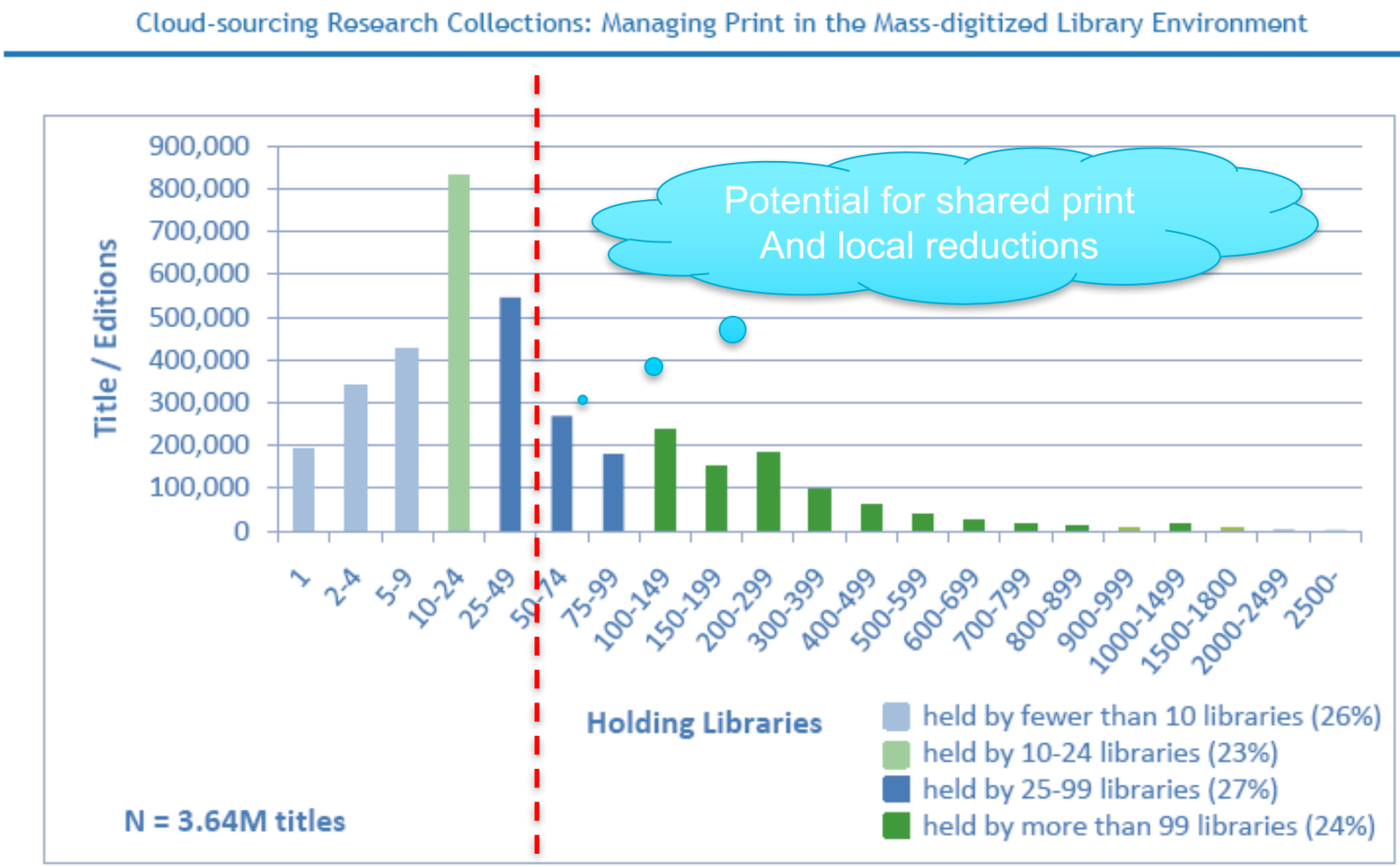


Figure 8. System-wide distribution of library holdings for titles in HathiTrust Digital Library (June 2010)

STRATEGIES FOR MANAGING LOCAL PRINT

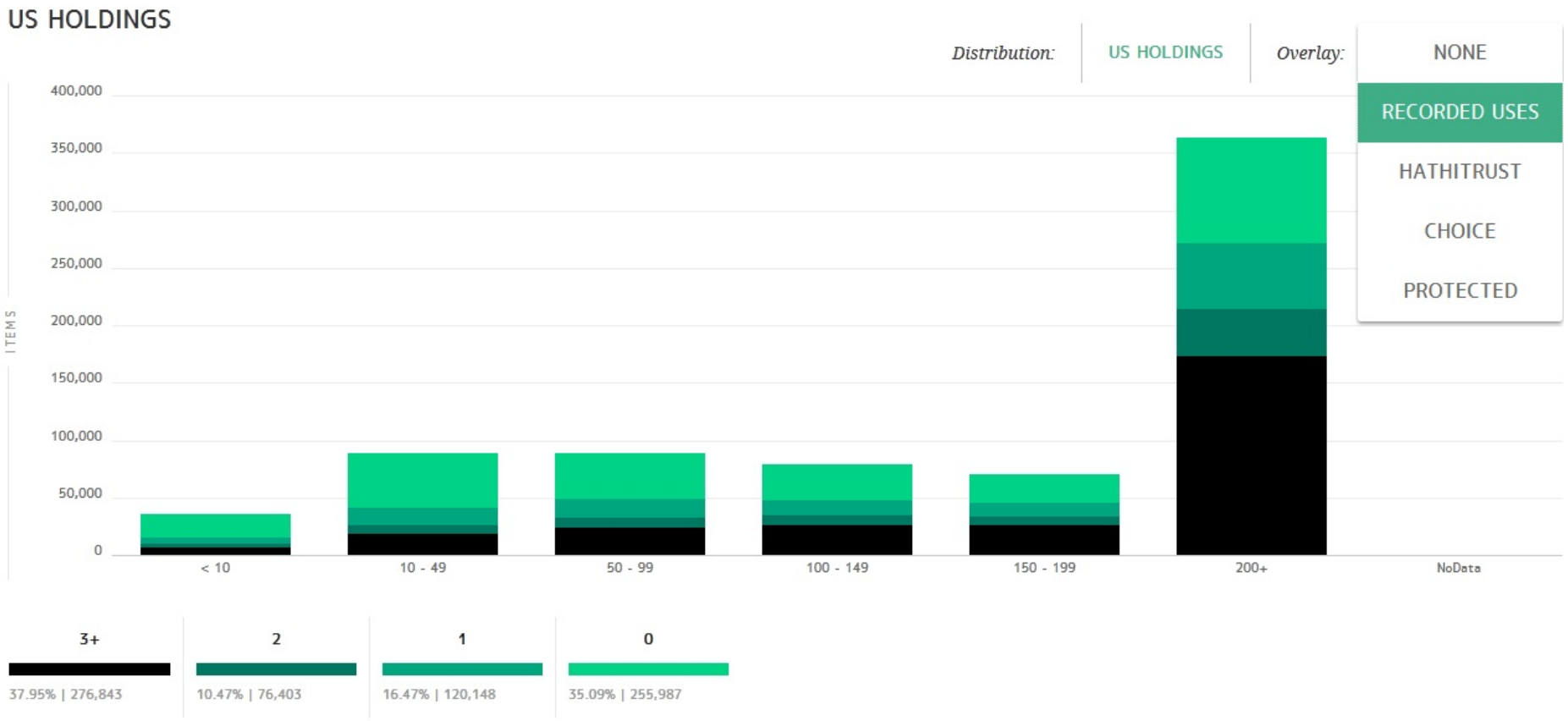
Reasonable questions

- What should be managed locally?
- What should be managed ‘above the institution?’

- What should be managed independently?
- What should be managed collaboratively?

- What data, tools & techniques do we need to manage collections under any of these scenarios?

Independent action in a collective context



Shared Print

Collection Directions: Some Reflections on the Future of Library Collections and Collecting

Lorcan Dempsey
Vice President, Research, and Chief Strategist

Constance Malpas
Research Scientist

Brian Lavoie
Research Scientist

Published in: *portal: Libraries and the Academy*
Volume 14, Number 3, July 2014 (pages 393-423)

OCLC Research

"Shared print management schemes represent **a cost-effective alternative to institution-scale solutions**, redistributing the costs of library stewardship across a broader pool of participants."

Shared Print Initiatives (Monographs)

- Michigan Shared Print Initiative (MI-SPI)
- COPPUL (Retention allocations in adjustment phase)
- Novanet (data now in GreenGlass)
- Washington Research Library Consortium (WRLC)
- Virtual Library of Virginia (VIVA)
- Academic Libraries of Indiana
- Central Iowa Collaborative Collection Initiative (CI-CCI)
- Eastern Academic Scholars' Trust (EAST)

Highlights

EAST Completes Allocation of Retention Commitments

Thanks to the hard work of the EAST team and our vendor partner, OCLC Sustainable Collection Services (SCS), we have just completed finalizing allocations of some 6.2 Million retention commitments to the 40 EAST Retention Partners. This represents some 36% of the total EAST collective collection of over 16 Million holdings. Over the next month, the Retention Partners will review their allocation proposals and finalize them with SCS which will reload them into the online application, GreenGlass™. In paralel EAST is working to finalize documentation and processing for disclosure of these retention commitments. **Stay tuned**

WANT TO LEARN MORE ABOUT EAST? ›

Share

Shared Print: Retention First!

- Establish a safety net: ensure that all titles are secure
- Group-wide agreement on retention models
- Group-wide commitment to retention rules & duration
- Secure scarcely-held titles within the group
- Secure sufficient holdings of each titles to satisfy likely user demand
- Share responsibility for retention proportionately

- Deselection ***only*** after retention commitments established

OCLC Shared Print

- Support **‘above the institution’** collection management
- Make the shared print workflow **less labor-intensive**
- **Use data** to support and supplement the expertise of librarians and faculty

DATA AND LIBRARY COLLECTIONS

OCLC

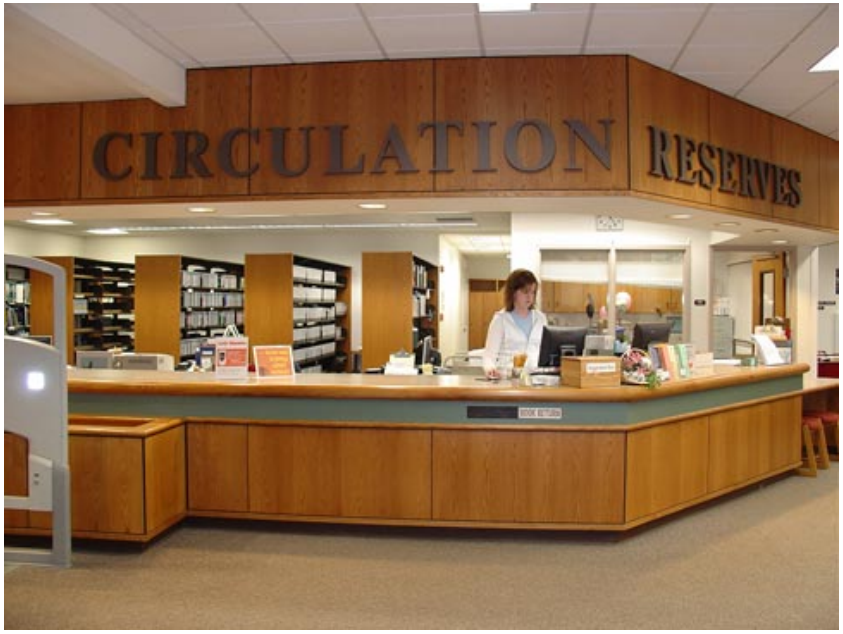
Analysis & Action: A Range of Options

- Transfer
    - Offsite storage
    - Compact shelving
    - Automated storage & retrieval systems (ASRS)
- Shared Print Archiving
- Retention and Preservation
- Digitization
- Weeding or Withdrawal
- Benchmarking

Good Data Improves Decisions

- How many holdings/copies?
- Where are they?
- Is the title secure?
- Can the title be accessed quickly?
- Can the title be re-obtained if needed?
- What options are available for each title?

Good Data Improves Decisions



- How many checkouts?
- In what period?
- ILL included?
- In-house use counted?
- Reserve?
- Reference?

Good Data Improves Decisions

- What other editions/versions do we hold?
- Is this title notable or important?
    - Discipline-based core list or accreditation
    - Canonical work
    - Faculty author
    - In a subject for which our library has a noted collection?
    - CHOICE/Outstanding Academic Title
- How rare are my rare books?

Where Is the Data?

Library/Group

- Bibliographic
- Item (location, type status)
- Circulation
- Local rules
- Regional partners
- Comparators

SCS/Vendor

- Filtering
- Remediation
- Aggregation
- Synthesis
- Augmentation

External

- WorldCat
- HathiTrust
- CHOICE/Other Lists
- Internet Archive
- [Commercial availability]

OCLC WorldCat

HATHI TRUST

Library's bib, item and transaction data for PRINT MONOGRAPHS

WorldCat Matching for Each Title

- Total WorldCat Holdings
- Holdings in Country
- Holdings in State/Province
- Holdings/Overlap within Group (for shared print)
- Holdings among Designated Comparators
    - Up to 6 comparator groups
    - Total of 100+ Holdings symbols
    - Resource-sharing partners, peer libraries, nearby print archives
- Hathi Trust Match: public domain / in copyright

WorldCat Matching

- Same Edition: Holding set on **same** OCLC#
    - Better for widely-held, conservative for deselection

- Any Edition: Holding set on ***same or related*** OCLC#
    - defined by OCLC Work Family
    - Links new, revised, US/UK, reprint, large print editions
    - Better for scarcely held, minimizes false uniqueness

- OCLC Work ID#

What Is GreenGlass?

GreenGlass is a web-based application built by SCS.

GreenGlass provides intelligent and efficient support for decisions about **adjusting or reducing your print book collection.**

GreenGlass gathers **deselection metadata** (usage, holdings in other libraries, secure digital versions, authoritative title lists) and **enables librarians to develop criteria and lists** for withdrawal or retention.

From Data to Decision Support

- Assemble usage and overlap data
- Support library-defined rules that operate against that data
- Coordinate retention scenarios across all institutions (in a group setting)
- Facilitate retention, storage or withdrawal decisions in local collections
- Incorporate ‘archival’ values and ‘service’ values into deselection decisions

DECISION SUPPORT: INDIVIDUAL LIBRARIES

OCLC

GreenGlass Collection Overview

GreenGlass | Collection | Analysis | Admin | Central Michigan

OVERVIEW | VISUALIZE | REMEDIATION | KNOWN ITEM SEARCH

Total Record Counts

	TITLES	ITEMS
All Records	562,023	590,667
All Records - Filtered	561,629	587,225

Remediation Lists

In preparing your library's data for GreenGlass, SCS has compiled several lists that may help to improve the correctness of your records, the completeness of your WorldCat holdings, and/or the efficacy of your collection.
View Remediation Lists

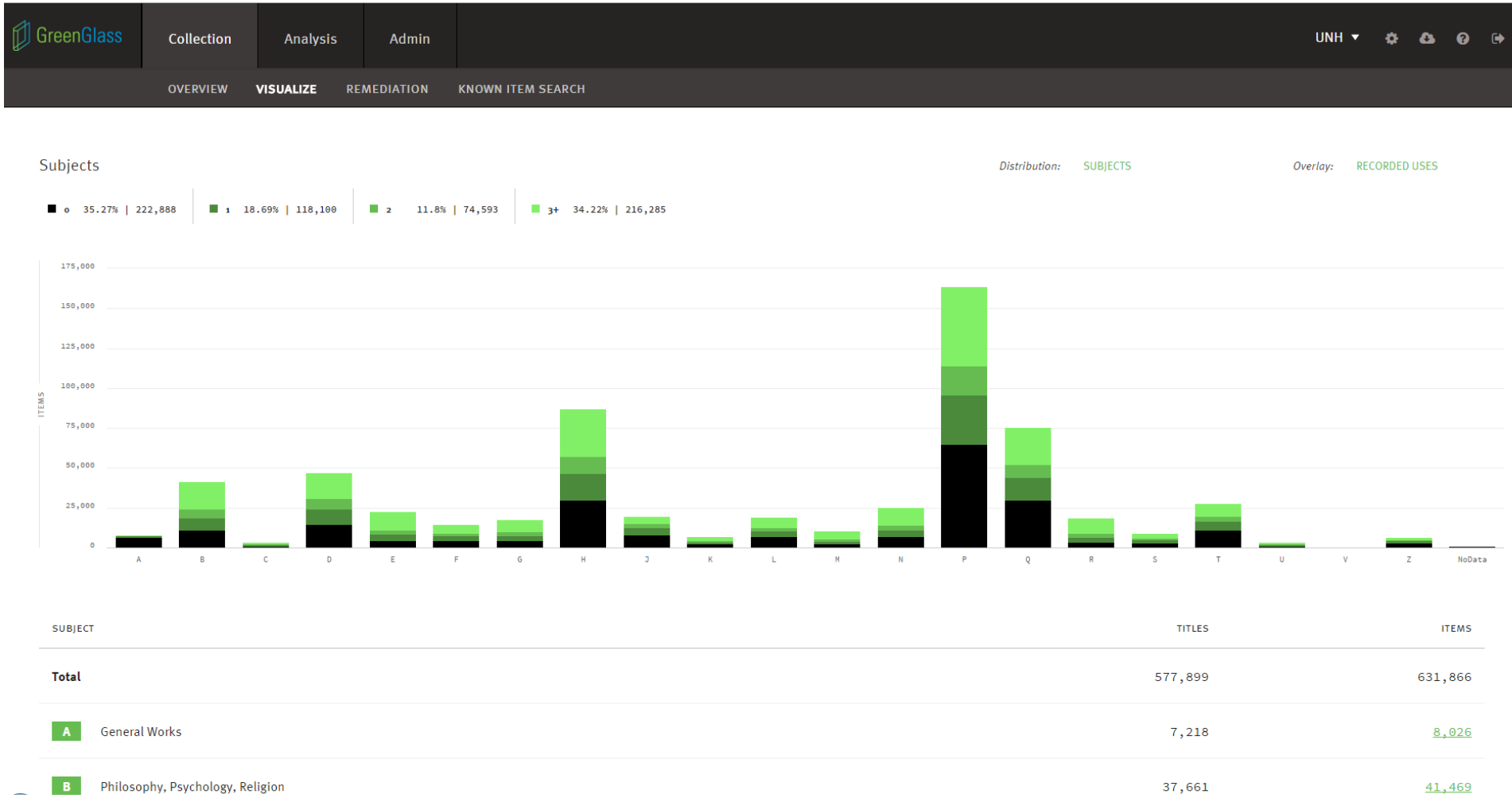
Key Metrics

SCS has been delivering a set of Key Metrics to every client library since the launch of GreenGlass in 2012. For each measure, we offer a green hyperlink to the corresponding list of items, and a calculated percentage of your overall collection. The accumulation of these measures provides an interesting opportunity for you to compare your own key measures with most of the other libraries with which we have worked. These numbers are based on nearly 200 US academic libraries, and 70 million holdings. They include research libraries, state universities, 4-year colleges, and a handful of community colleges.

METRIC	FILTERED ITEMS	% OF YOUR FILTERED ITEMS | SCS AVERAGE	COMPARED TO THE RANGES AND AVERAGE FOR ALL SCS CLIENTS
Zero recorded uses	167,287	28% • | 43% ▪	
Greater than 3 recorded uses	227,435	39% • | 23% ▪	
Publications more than 10 years old	497,842	85% • | 89% ▪	
More than 100 US holdings - same edition	478,275	81% • | 76% ▪	
Fewer than five US holdings - any edition	1,221	0% • | 1% ▪	

OCLC

Vis: Subjects Overlaid with Uses



GreenGlass Item Details

B1 .C32 mlcs New essays on contract theory / edited by Kai Nielsen and Roger A. Shiner./v.3/Guelph, Ont. : Canadian Association for Publishing in Philosophy, 1977.

LOCAL TRANSACTION DATA

Recorded Uses	0

FORMATS

Bib Record Type	Book
Primary Language	eng
Possible Duplicate	No

GROUP DATA

EAST Holdings	10
Aggregate Uses	52
Ephemera	No

WORLDCAT HOLDINGS

US Holdings	133 / 133
New Hampshire Holdings	3 / 3
Comparator Libraries	26 / 26

OTHER

HathiTrust IC/PD	No / No

▲ HIDE DETAILS ABOUT HOLDINGS ▲

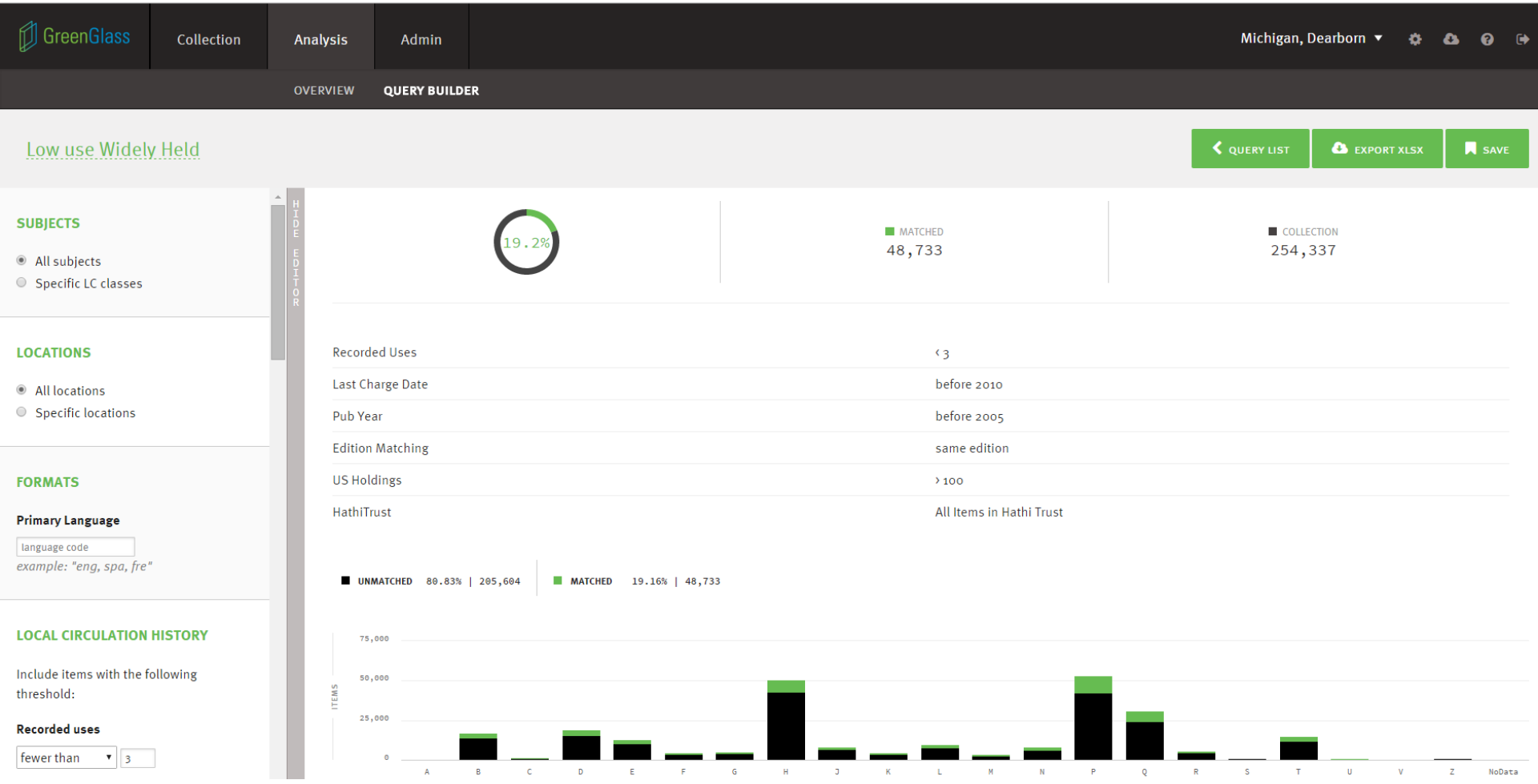
EAST HOLDINGS

Amherst College
Connecticut College
Skidmore
Smith College
St Anselm
Swarthmore College
Tufts University
UMass Amherst
UNH
Williams College

COMPARATOR LIBRARY HOLDINGS

Maine Shared Collections	0 / 0
Regional Large Academic Libraries	15 / 15
Regional College Libraries	1 / 1
Boston Library Consortium (BLC)	3 / 3
CNY Retention Partners	2 / 2

Query: Low-Use, Widely Held



Exported Lists

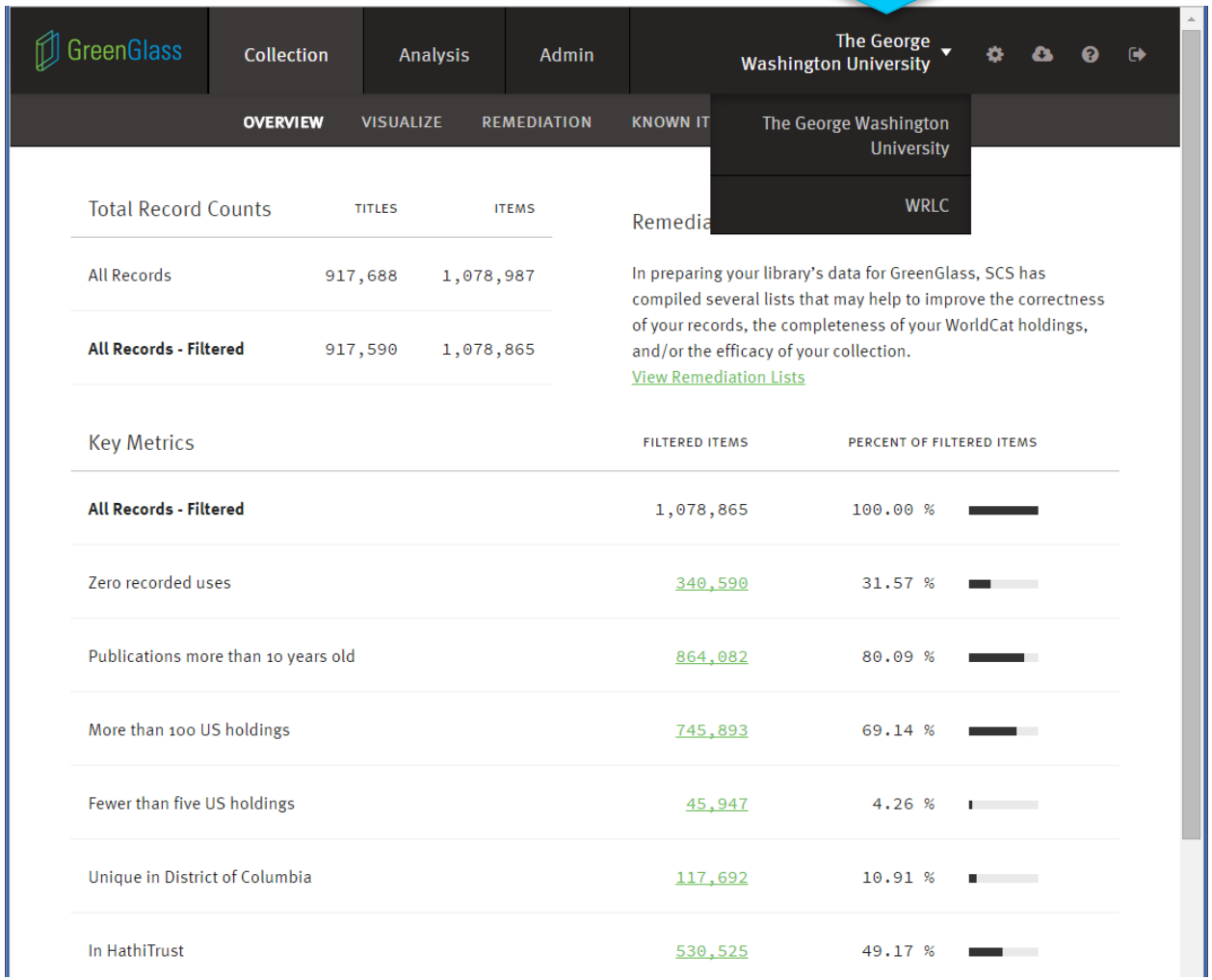
Location Code	Display Call Number	Display Call Number Normalized	Title	Enumeration	Copy Number	Author	Publisher
main2	HX243 .P295 1978	0 HX 0243000P 295 1978	The letters of Sidney and Beatrice Webb / edited by Norman MacKenzie.	v.3	1	Webb, Sidney, 1859-1947.	Cambridge ; New York : Cambridge University Press, 1978-
main2	HX243 .P295 1978	0 HX 0243000P 295 1978	The letters of Sidney and Beatrice Webb / edited by Norman MacKenzie.	v.2	1	Webb, Sidney, 1859-1947.	Cambridge ; New York : Cambridge University Press, 1978-

Location Code	Publication Year	Edition	Series	Recorded Uses - Item	Recorded Uses - Title	Last Charge Date - Item	Last Charge Date - Title	Last Add Date - Title	Global Holdings - Same Edition	US Holdings - Same Edition	US Holdings - Any Edition	California Holdings - Same Edition	California Holdings - Any Edition	All Comparator Library Holdings - Same Edition	All Comparator Library Holdings - Any Edition	Other CSUs - Same Edition
main2	1978			0	1		1997-09-30	1993-03-26	369	272	276	27	28	22	22	11
	1978			1	1	1997-09-30	1997-09-30	1993-03-26	369	272	276	27	28	22	22	11

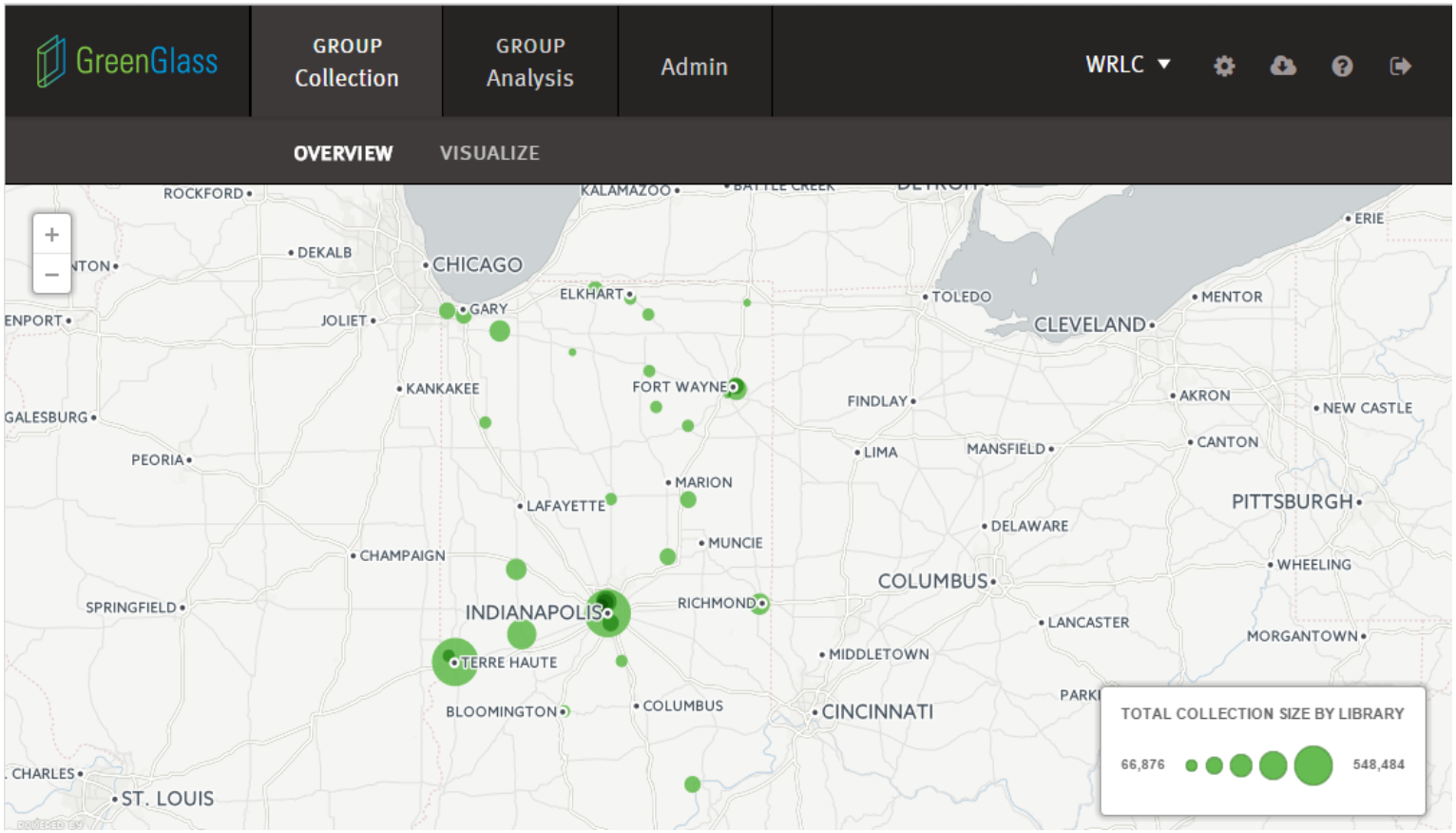
	UCs - Any Edition	Link+ - Same Edition	Link+ - Any Edition	Protected	HathiTrust Public Domain	HathiTrust In Copyright	HathiTrust URL	Reviewed in CHOICE	CHOICE OAT	OPAC URL	WorldCat URL	WorldCat OCLC Number	Bib Record Number	Bib Control Number	Item Control Number
1	8	3	3	No	No	Yes	http://catalog.hathitrust.org/Record/000210578	No	No	Catalog Record	WorldCat Record	2818469	.b11792565	2818469	.i12483394
	8	3	3	No	No	Yes	http://catalog.hathitrust.org/Record/000210578	No	No	Catalog Record	WorldCat Record	2818469	.b11792565	2818469	.i12483382
	11	3	3	No	No	Yes	http://catalog.hathitrust.org/Record/000255681	No	No	Catalog Record	WorldCat Record	4493076	.b11792577	4493076	.i12483400
	8	2	2	No	No	Yes	http://catalog.hathitrust.org/Record/001341123	No	No	Catalog Record	WorldCat Record	266199	.b11792863	266199	.i12483710

DECISION SUPPORT: GROUPS / SHARED PRINT

Toggle between Library and Group views



Visualize collections by location and size



Select full group or sub-groups

GROUP OVERLAP

Participant holdings

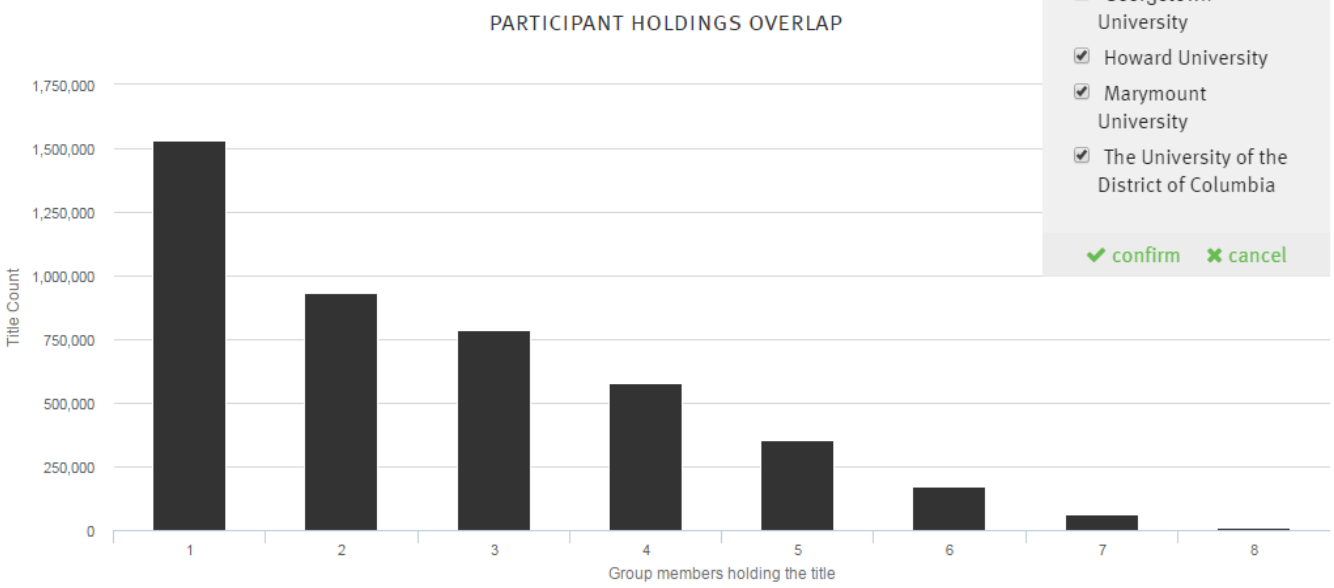
When creating group models for retention the **overlap** attribute can be a helpful tool in identifying pote
redundant within the collection as a whole. When reviewed with total recorded uses, year published an
start to see usage patterns in your collection that may be underutilized, no longer utilized, or are of a m

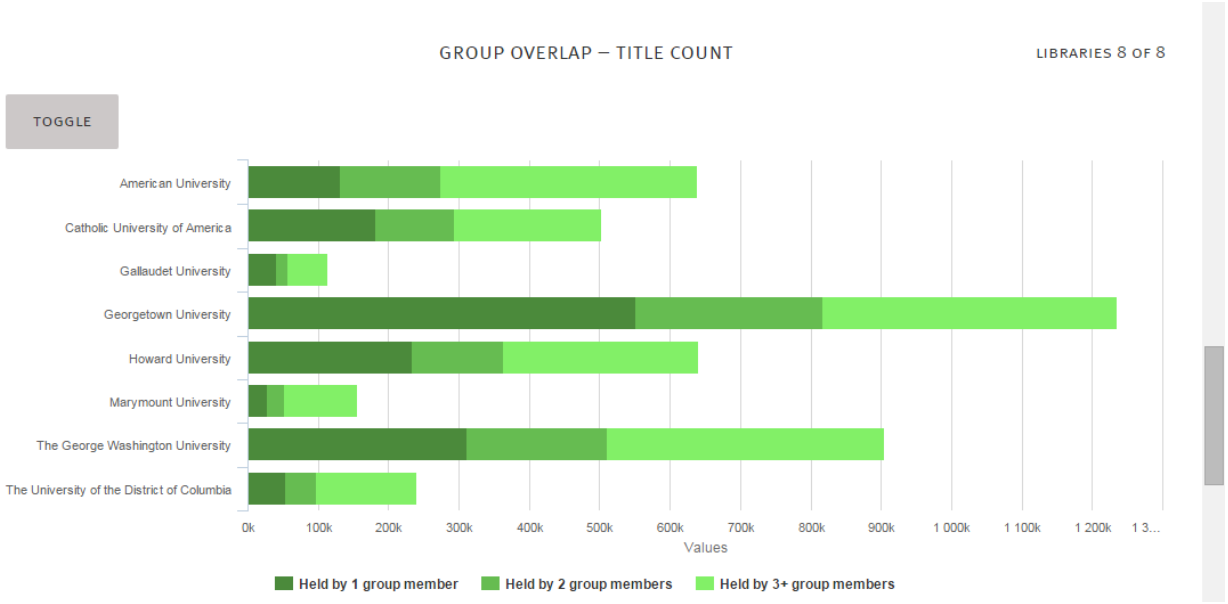
LIBRARIES

✓ The George Washington University

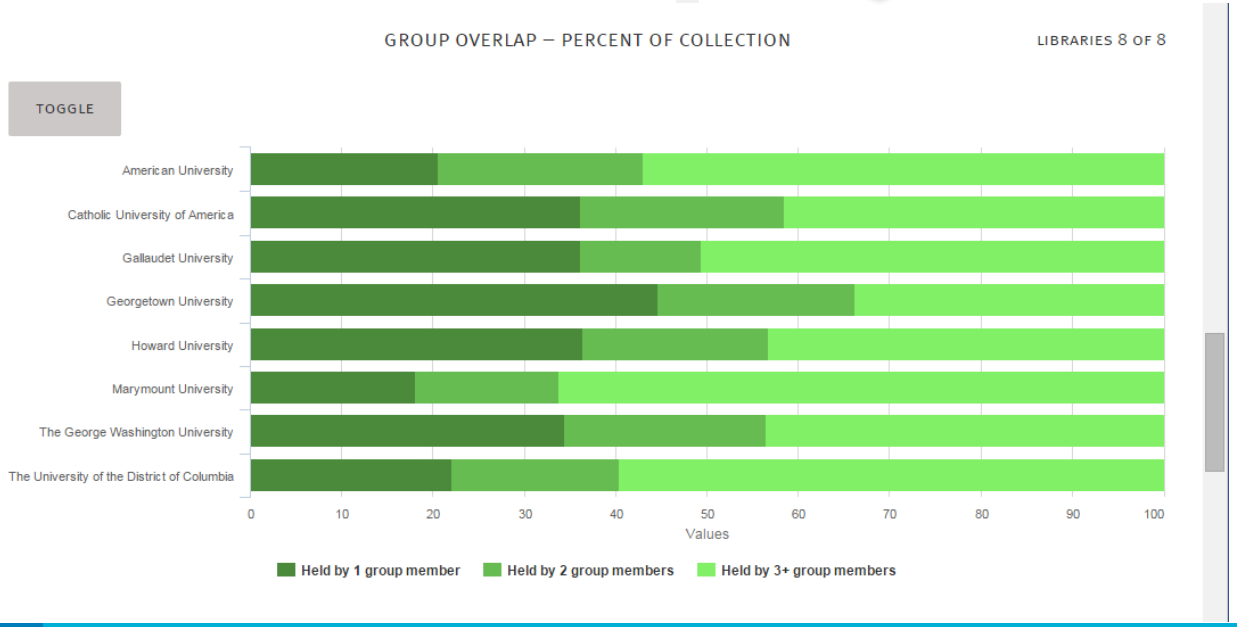
- ☑ All Libraries
- ☑ American University
- ☑ Catholic University of America
- ☑ Gallaudet University
- ☑ Georgetown University
- ☑ Howard University
- ☑ Marymount University
- ☑ The University of the District of Columbia

✔ confirm ✖ cancel

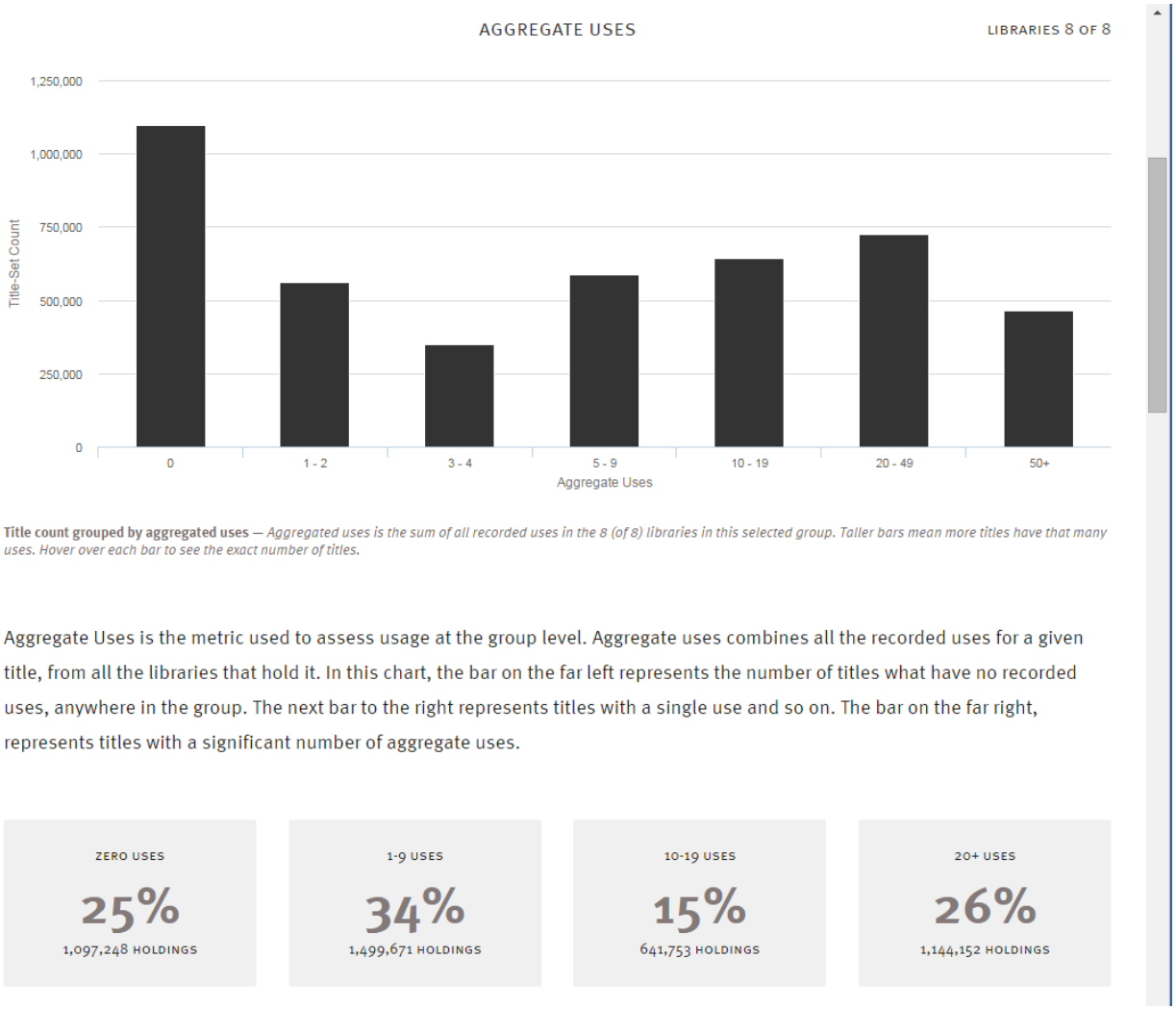




Toggle between title counts & percentages



Title-Set Attribute: Aggregate Uses

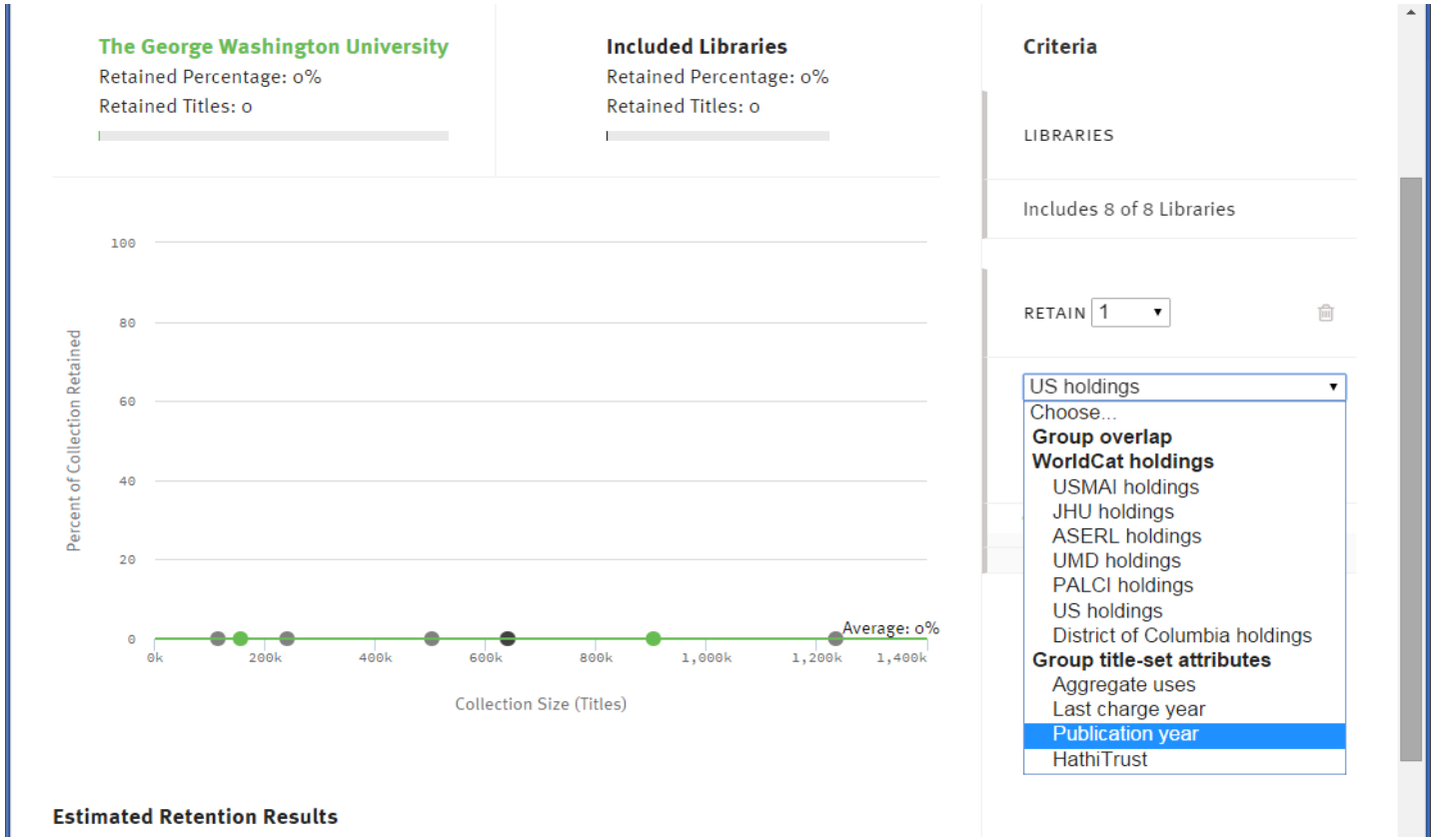


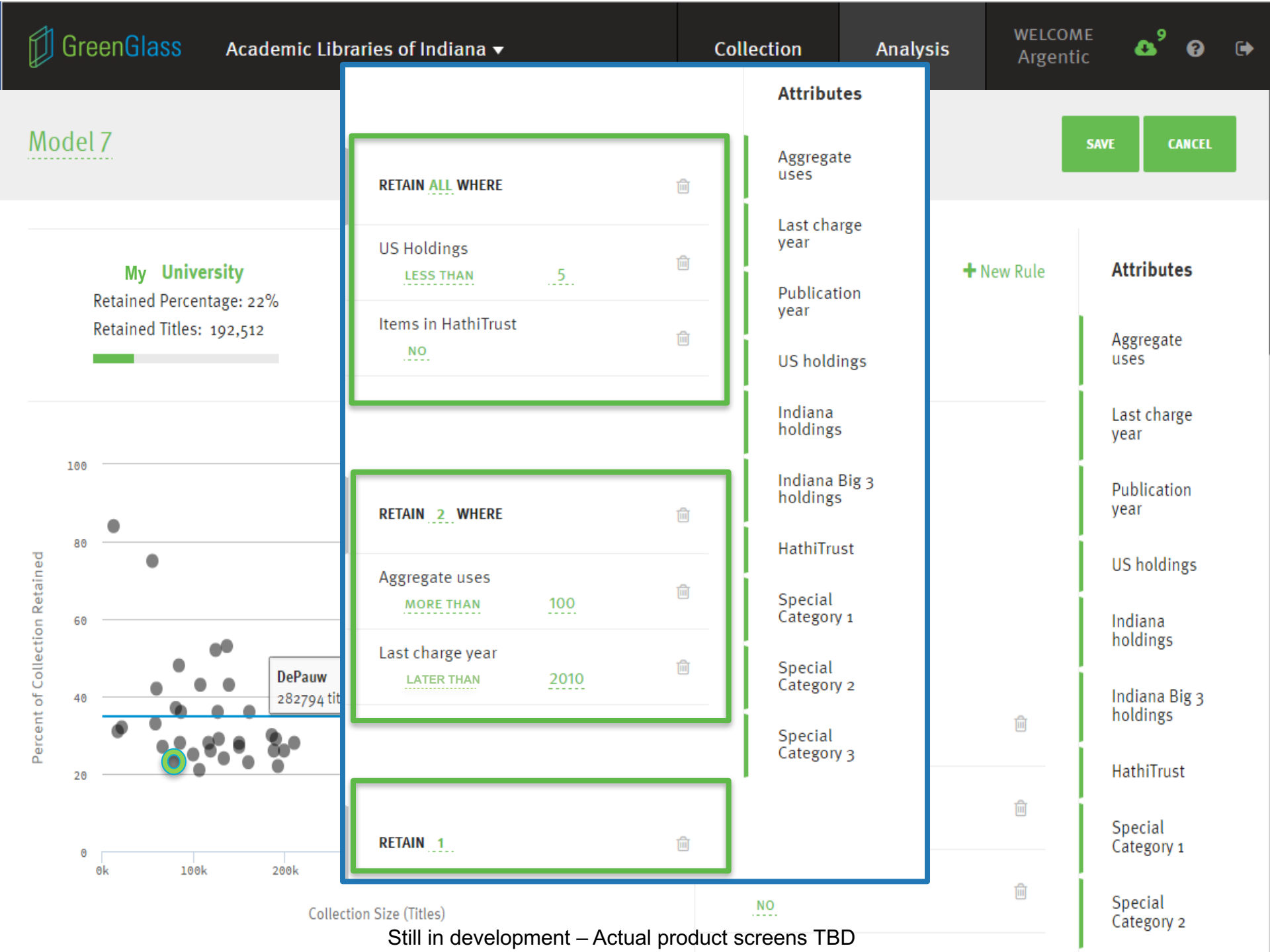
Title count grouped by aggregated uses — *Aggregated uses is the sum of all recorded uses in the 8 (of 8) libraries in this selected group. Taller bars mean more titles have that many uses. Hover over each bar to see the exact number of titles.*

Aggregate Uses is the metric used to assess usage at the group level. Aggregate uses combines all the recorded uses for a given title, from all the libraries that hold it. In this chart, the bar on the far left represents the number of titles what have no recorded uses, anywhere in the group. The next bar to the right represents titles with a single use and so on. The bar on the far right, represents titles with a significant number of aggregate uses.

ZERO USES	1-9 USES	10-19 USES	20+ USES
25%	34%	15%	26%
1,097,248 HOLDINGS	1,499,671 HOLDINGS	641,753 HOLDINGS	1,144,152 HOLDINGS

Model Builder: Data Elements Available





Still in development – Actual product screens TBD

Example: Scarcely Held Titles

Aggregate uses
LESS THAN 120

RETAIN 1

Estimated Retention Results

LIBRARY	TOTAL TITLES	RETAINED TITLES	RETAINED PERCENTAGE
Included Libraries	5,184,492	2,740,276	53%
AMBS	84,026	59,849	71%
Ancilla	16,869	9,893	59%
Anderson	161,150	97,748	61%
Butler	185,161	88,335	48%
CTS	136,260	98,743	72%
Concordia	124,714	88,237	71%
DePauw	282,794	134,937	48%
Earlham	198,586	89,683	45%
Franklin	85,259	42,608	50%
Goshen	99,272	47,498	48%
Grace	107,347	70,533	66%
Hanover	160,191	71,535	45%
Huntington	86,352	51,846	60%
Indiana State	527,850	272,265	52%

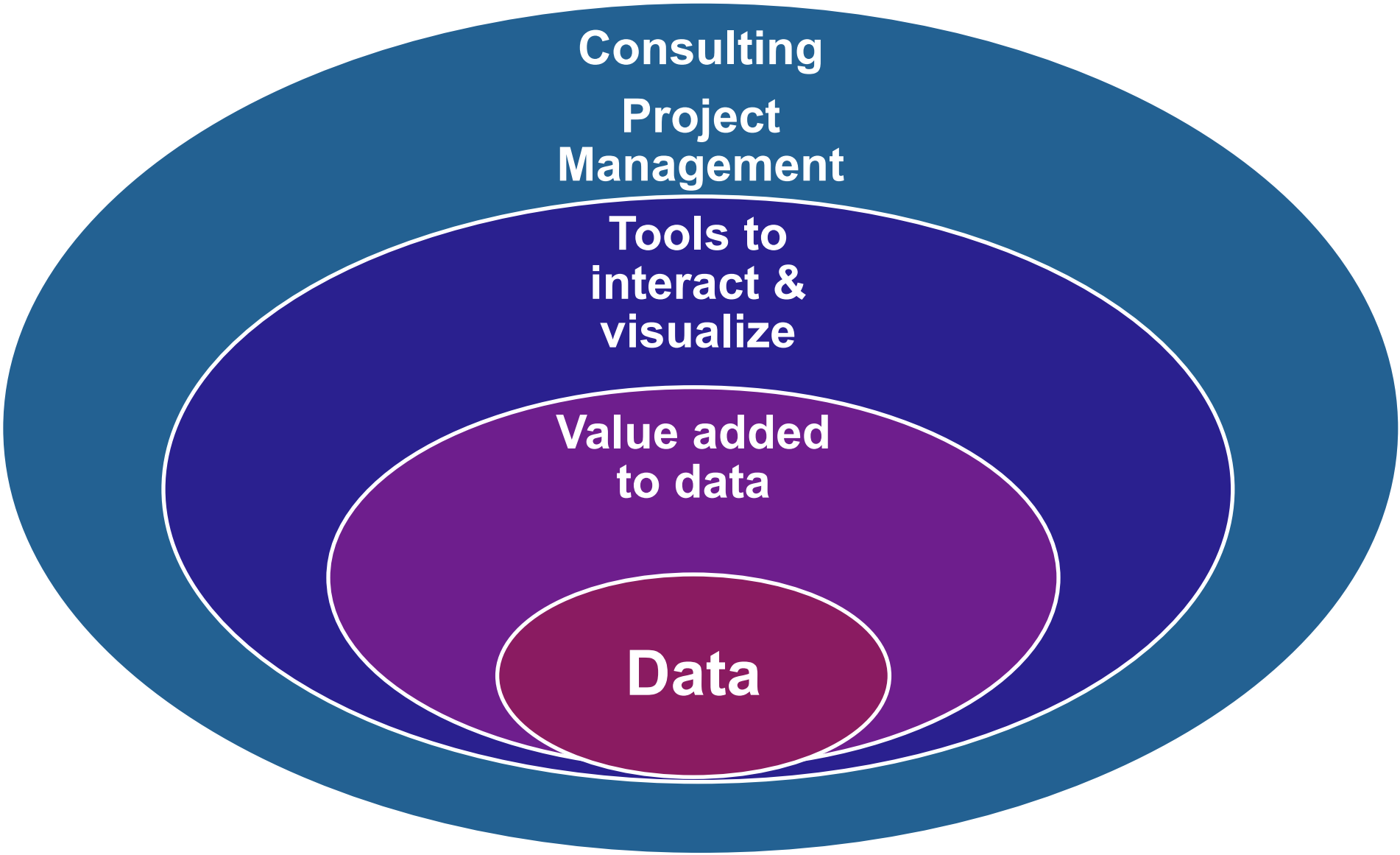
SHARED PRINT RETENTION MODELS: RESULTS

Eastern Academic Scholars' Trust (47)

- Retain ALL if
  - EAST holdings fewer than 5
  - US holdings fewer than 40 (any edition)
  - Regional Large Academic Libraries holdings fewer than 5 (any edition)
  - CNY Retention Partners holdings fewer than 1 (any edition)
  - Publication year before 2011
  - Not Ephemera
- Retain 5 if
  - Aggregate uses more than 30
  - Publication year before 2011
  - Not Ephemera
- Retain 1 if
  - Publication year before 2011
  - Not Ephemera

Result: Average of 36% retention commitment

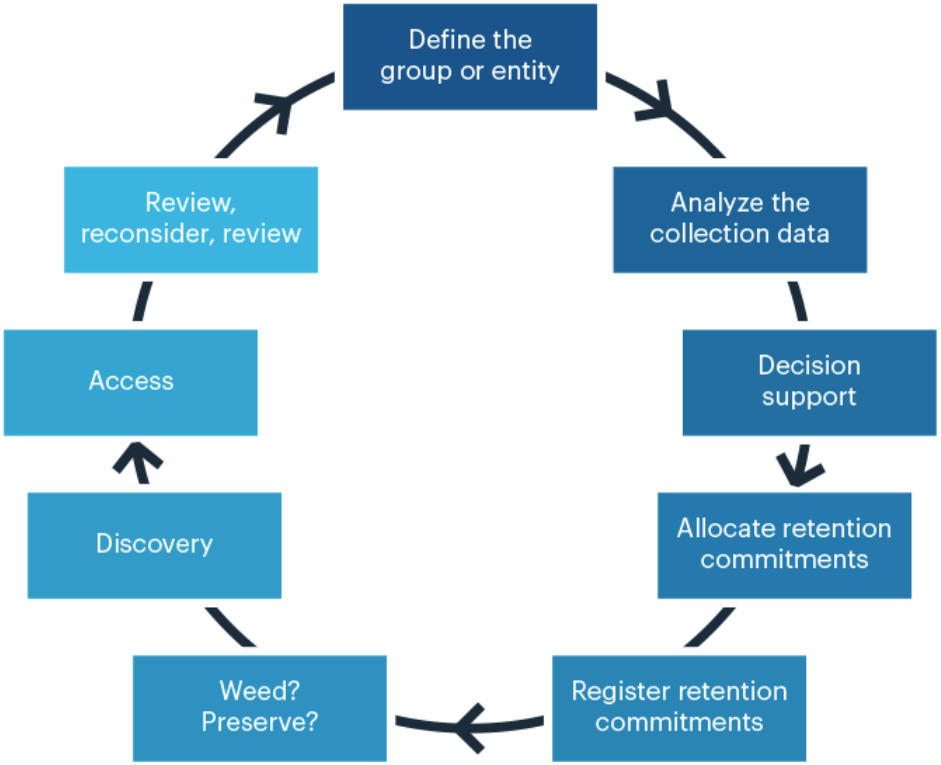
SCS: Vendor Support for Monographs Analysis



Benefits

- Evidence-based approach
- Adds a quantitative dimension to collections decisions
- Ongoing, iterative, dynamic
- Helps organize preservation of the scholarly & cultural record
- Move scarcely-held items to special collections
- Data remediation
- Better use of space and other resources

Full Lifecycle Support for Shared Print



https://www.oclc.org/support/training/portfolios/library-management/sustainable-collections/tutorials.en.html

Sustainable Collection Services and GreenGlasss

Tutorials

- What is GreenGlass?
- Collection Overview
- Collection Visualization
- Item Lists and Item Details
- GreenGlass Analysis
- What is GreenGlass group functionality?
- Group-Level Retention Models
- Title Sets, Title Holdings, and Items
- Establishing Your List of Comparator Libraries
- Possible Duplicates
- SAME and ANY Edition Holdings Tallies
- Multi-Edition Titles
- HathiTrust Matches and URLs
- How to Update WorldCat Holdings

Sustainable Collection Services™ and GreenGlass™

Tutorials

Contact us »

Individual Library Features in GreenGlass

- What is GreenGlass?
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Group Features in GreenGlass

- What is GreenGlass group functionality?
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- Title Sets, Title Holdings, and Items

Brief Topical Tutorials

- Establishing Your List of Comparator Libraries
- Possible Duplicates
- SAME and ANY Edition Holdings Tallies
- Multi-Edition Titles
- HathiTrust Matches and URLs
- How to Update WorldCat Holdings

QUESTIONS/DISCUSSION

OCLC

Thank you!

Rick Lugg

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Because what is known must be shared.℠

OCLC