



The Library of Tomorrow

Alma, Rapido, and Collecto as the Pillars of
Library Technology

Asaf Kline | September 2024

Last Year was Busy...

Library Independence

New Consortia Central Configuration Dashboard

New DV Dashboards

Physical Item Templates

Premium Sandbox Infrastructure

297 New Features

Idea Exchange 46 Completed

Configure funds/ledgers

New PO Line UI

Automatic Upload of Electronic Holdings

NERS

Open Platform: Unlimited Webhooks

12 Monthly Releases **4** Quarterly Feature Releases

Working with the Community

The screenshot shows the 'Consortia Configuration Management' dashboard. At the top, it indicates the 'Institution Level: Training - Network Zone - Clean'. A left-hand navigation menu includes options like Alma QA, Acquisitions, Resources, Discovery, Fulfillment, User Management, General, and Analytics. The main content area is titled 'Configuration Area' and shows 'NETWORK' as the current configuration. Below this, there are several sections: 'Distributed Settings' (with sub-sections like Currency Subset, Legal Deposit Reports, Survey Question Multiple Choice), 'Invoices' (with sub-sections like Disapproval Reasons, VAT Codes), 'Licenses' (with sub-sections like Discovery Interface Labels Customized, License Term Controlled Vocabulary), and 'Purchase Orders' (with sub-sections like 1st Reporting Codes, 4th Reporting Codes, EDI Vendor Note Fields). Other settings like Fund Types, Other Settings, Invoice Amount Threshold, License Review Status, Sections Order, 2nd Reporting Codes, 5th Reporting Codes, PO Line Cancellation Reasons, Fund and Ledger Fiscal Period, Receiving Department Validations, Payment Method, License Storage Location, 3rd Reporting Codes, Acquisition Method, and PO Line Deferral Reasons are also visible.

The screenshot shows the 'Agreement Definitions' configuration panel. It has tabs for Summary, Agreement Definitions, Inventory, PO Lines, and History. The 'Agreement Definitions' tab is active. The configuration includes: 'Unlimited' (checked), 'Agreement date range' set to '01/01/2024 - 31/12/2024', 'Tokens total' set to '11', 'Number of requests to publish (used tokens)' set to '4 requests (PO lines)', and 'Remaining tokens total' set to '7'.

Consortia Central Configuration Dashboard UI

Streamlining Open Access Publishing

Transformative Agreement License

New PO Line Type: Article Processing Charge (APC)

The Next 12-18 Months Will Be Even Busier

New UX: Staff Search

Form Based Editing

Analytics: Out of the Box Dashboards

consortia Configuration and Administration

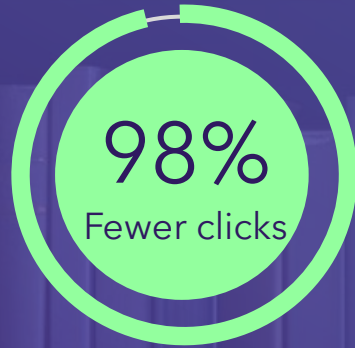
New UX: Patron Services

Authority Control

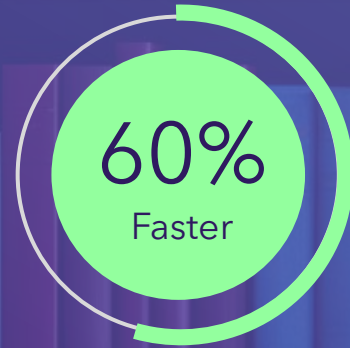
Automatic Upload of Electronic Holdings

Open Access Support

New UX: Title Search and Patron Services



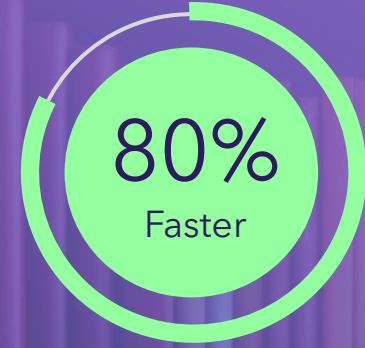
View Loan Note



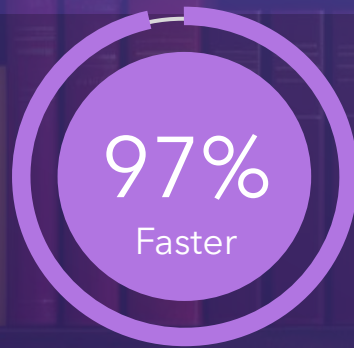
Create Loan Note



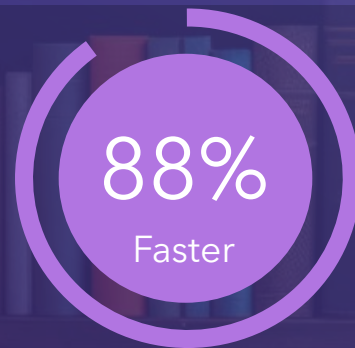
View Loans/Request



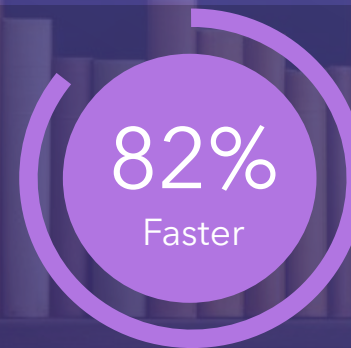
View Historical Requests



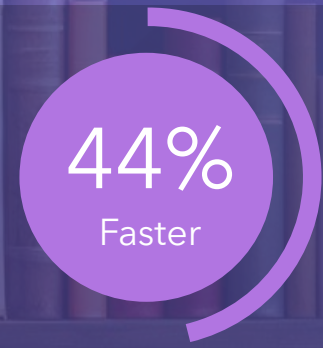
Run Job on Selected Records



Suppress from Discovery



Search for Records with Same Subject/Contributor



Activate Portfolio

Want to hear more?

Join the sessions

Monday, 3:45 PM

Alma Product Conversation

Dana Moshkovits

Wednesday, 9:00 AM

To Fit Like a Glove! Best Practice of Involving Alma UX Customer Group in Developing New Circulation Desk Interface

Dana Moshkovits, Aviva Levin-Belousov

Wednesday, 12:35 PM

Alma Staff Search new user interface

Maud Arnaud

Tuesday, 3:45 PM

Alma Consortia Management and Administration

Maud Arnaud, Erez Shabo, Sima Bloch

Laying the Foundations... For the Library of Tomorrow



New Approaches
to Metadata



Collection
Development



Resource
Sharing



Library Open
Platform

New Approaches to Metadata



Current Situation

Linked Open Data Sinopia and Alma



Alma now production-ready

- BIBFRAME work and instance
- Sinopia integration



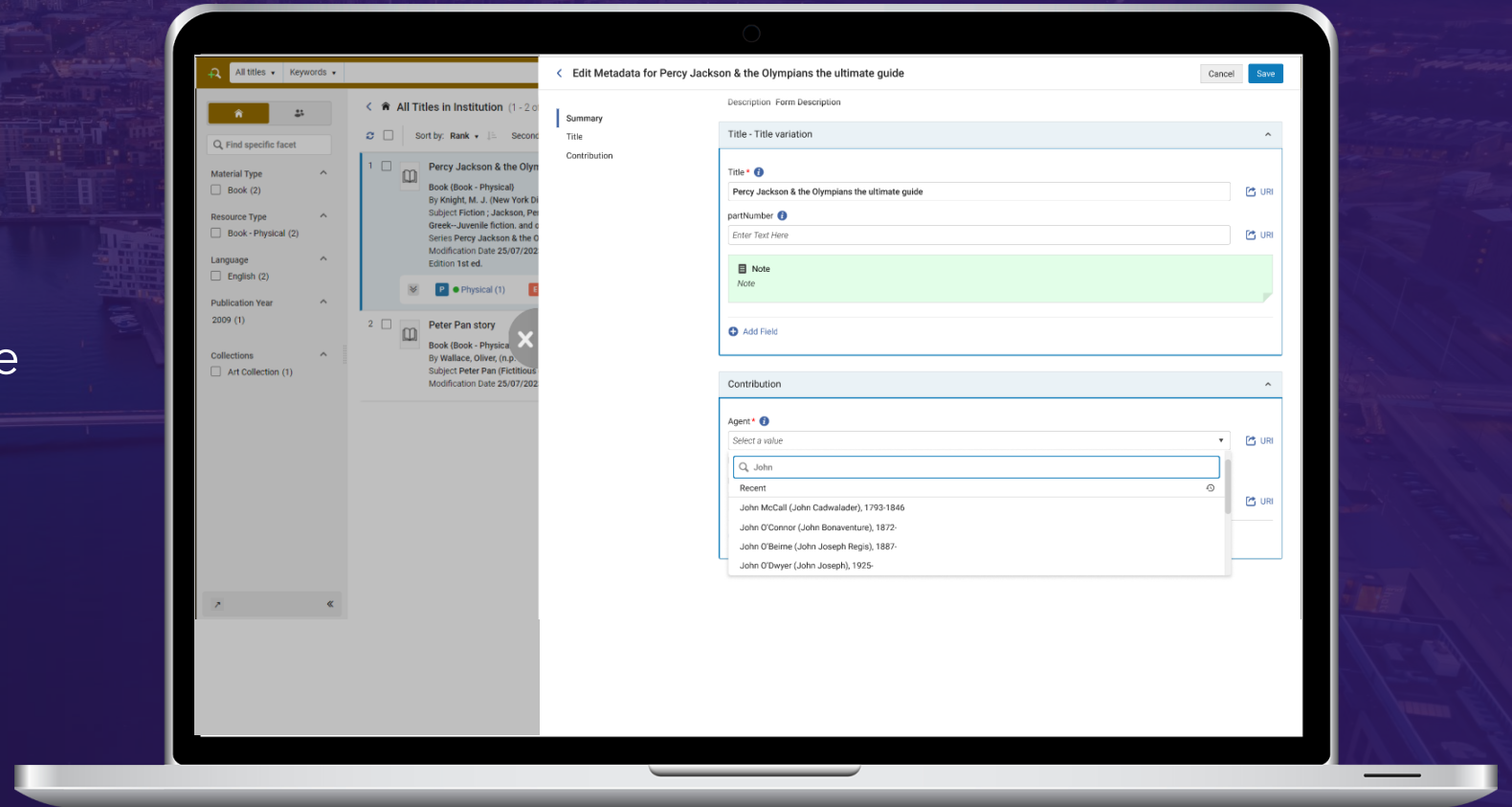
Working with the Linked Data Focus Group

- Discuss and define the development of new features and functionalities

Linked Open Data: Editing in Alma

What's Next?

- Integrated form editor with resource management workflows
- Easy and flexible user interface
- Based on external ontology
- Display focus on labels
- Additional ontology metadata one click away



Note: The image is for illustrative purposes only

Metadata Assistant

Leveraging AI to help catalogers work more efficiently




Suggest metadata based on information provided by the cataloger – such as title, uploaded image (e.g. book cover)

✦ New Record From AI Assistant

Enter the metadata and/or images you want to use to generate the record. The new record draft will be pushed to MDE when ready.

Title*	Content Note
<input type="text" value="Insights into Job-Related Strain: Identif..."/>	<input type="text" value="Enter Text Here"/>
Author	Summary Note
<input type="text" value="Enter Text Here"/>	<input type="text" value="Enter Text Here"/>
ISBN	
<input type="text" value="Enter Text Here"/>	

Attachments
Upload up to 2 images of the book (e.g. back cover, colophon)

File Name	
1	 job related strain cover.jpg ...

Drop a file or [Browse files](#)

Cancel Generate Record

Crop
Delete

Metadata Assistant

Cataloger-mediated to maintain quality and accuracy of catalog

The screenshot displays the Metadata Assistant interface. At the top, there are navigation tabs for 'Records', 'Templates', and 'Rules'. Below these are various record types: 'MARC21 Bib (6)', 'KORMARC Bib', 'UNIMARC Bib', 'CNMARC Bib', 'MODS', and 'LC BF Instance'. A search bar is present with the text 'Search in list'. The main content area shows a record for 'Insights into Job-Related Strain: Identifying Organizational and Psychological Factors for Predictive Analysis' (99137706201901021). The record is marked as 'New' and 'AI Generated'. The record details include:

- LDR**: #####nam#a22#####u#4500
- 020**: \$\$a 9789357473798
- 100 1**: \$\$a Ryhal, P.C.
- 245 0 0**: \$\$a Insights into Job-Related Strain: Identifying Organizational and Psychological Factors for Predictive Analysis
- 264 1**: \$\$a Selfypage Developers Pvt Ltd \$\$c 2023
- 520**: \$\$a This book delves into the multifaceted nature of job-related strain, exploring both organizational and psychological factors that contribute to workplace stress. It aims to provide a comprehensive analysis for predictive purposes, helping organizations identify potential stressors and implement effective interventions. The book is a valuable resource for researchers, HR professionals, and organizational leaders seeking to enhance employee well-being and productivity.
- 650 0 0**: \$\$a Job stress \$\$x Psychological aspects
- 650 0 0**: \$\$a Organizational behavior
- 650 0 0**: \$\$a Industrial psychology
- 650 0 0**: \$\$a Work environment
- 650 0 0**: \$\$a Employee health promotion
- 700 1**: \$\$a Rana, Minakshi

Metadata Assistant - Next Phases

1.



Automate

- Use Cases
 - Ongoing Record Loads
 - Retrospective Updates
- With full control over level of automation/mediation

2.



Expand

- Additional Formats
- Additional Languages
- Additional Subject Headings

Want to Learn More?

Join the session(s)

Monday, 1:30 PM

**Unlocking Connections: How Linked
Open Data (LOD) Benefits Library
Users**

Itai Veltzman

Monday, 3:45 PM

Alma Product Conversation

Dana Moshkovits



Collection Development



Current Situation



Operational Analytics

- All libraries use Analytics provided in Platform
 - Dashboards and Widgets
 - Scheduled
 - Ad hoc
- Over 17 million reports run in 2023
- YOY increase of 28%



Collection Development

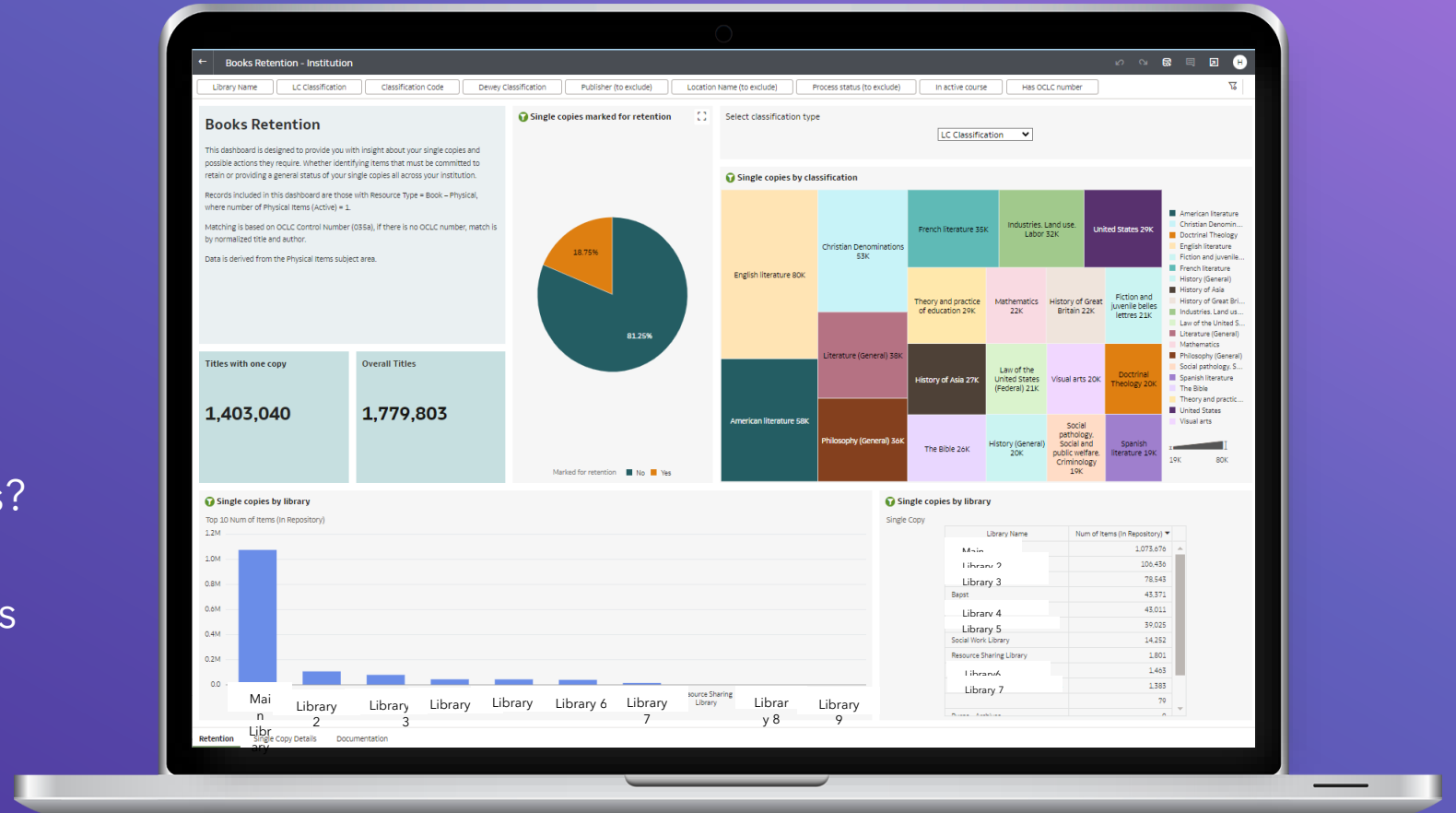
- Launched a Focus Group last year with 33 Members
- Delivered initial Dashboards Feb 2024
- Now progressing with POC on Cross Institution Analytics

Current Situation

Collection Development

Supporting your Retention Planning

- How many of my single copies are marked for retention?
- Which library is holding the largest number of single copies?
- Which classification holds the highest number of single copies not committed for retention?



Retention and Deselection Data visualizations. Available since Feb 2024

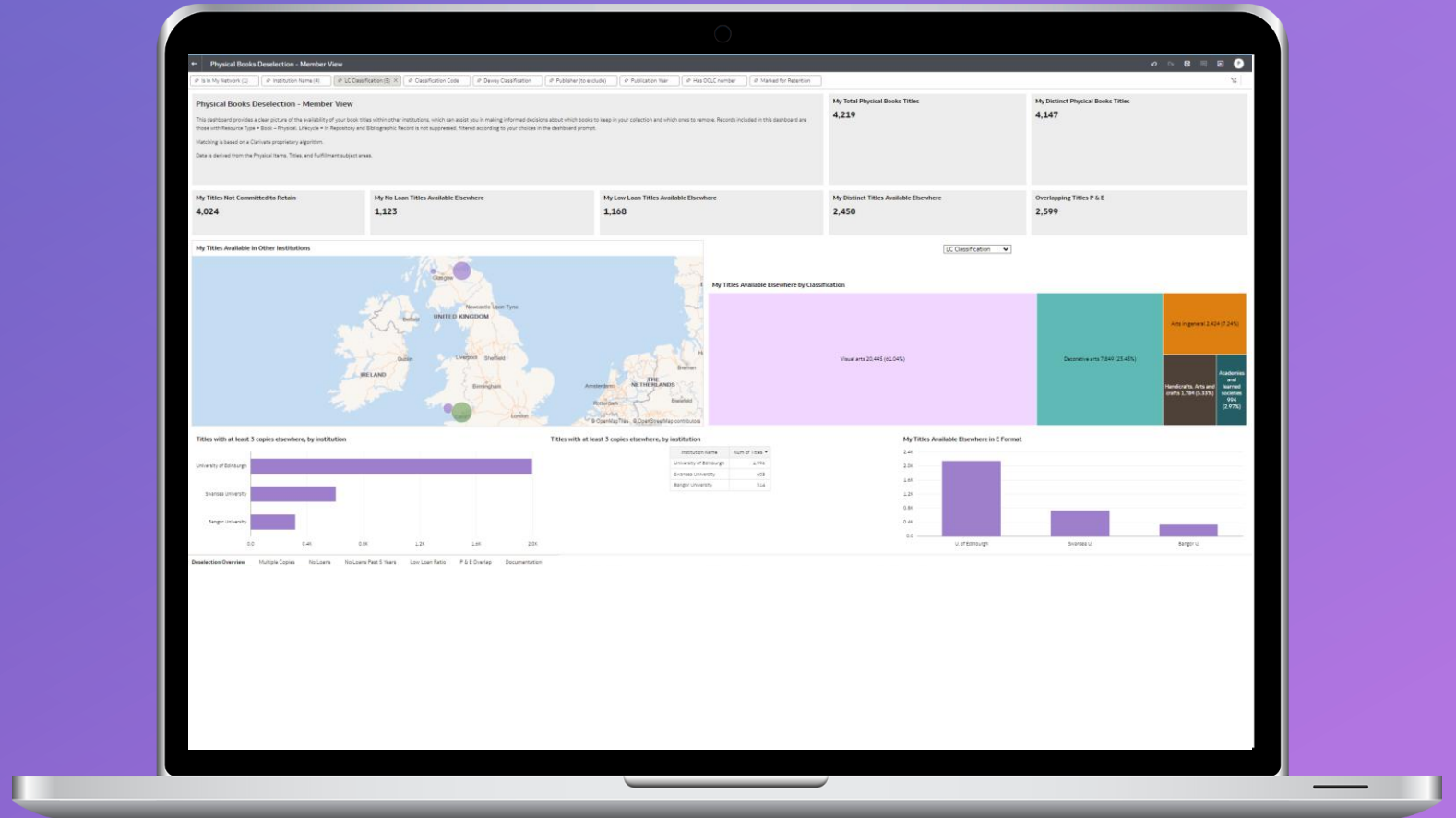
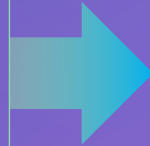
Current Situation

Collection Development

Example:

Collaboration
between
4 UK institutions

Subject: Arts
classification



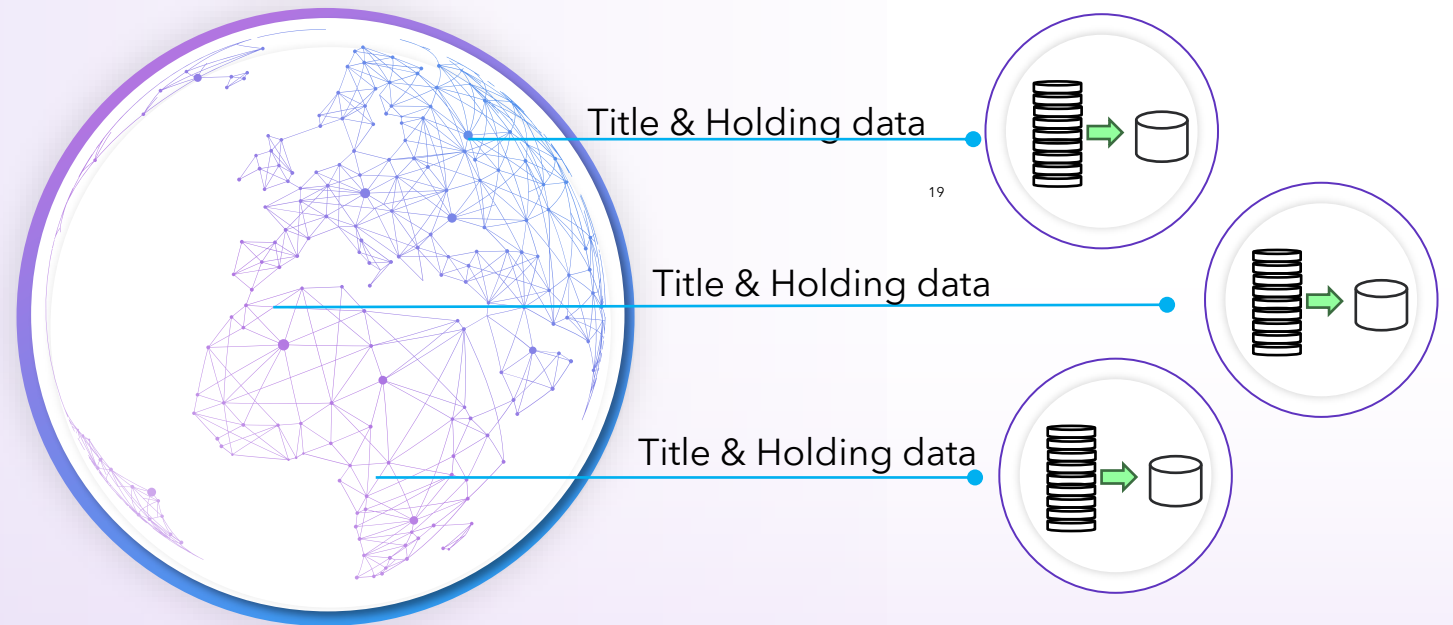
Cross Institution Dashboards. With Focus Group

Cross Institution Analytics

Proof of concept

Supporting networks & shared print collaborations

- Based on Mutual consent
- Region based
- Shared print & collaboration for multi-institution retention and deselection planning
- Gap Analysis and collection Development



Collection Development Today

Siloed, multi-platform, labor-intensive process



Ex Libris Collecto

A unified environment to manage
all collection development
workflows



All-in-one data

Multiple data sources for
optimized data-driven
decisions



Cross-institution analytics

Benchmark against
other institutions



Smart end-to-end workflows

AI-based and
personalized to
institution preferences

Ex Libris Collecto

Workflows and Use Cases



Retention

Keep or
remove



Expand & diversify

Purchase
opportunities



Cost saving

Unnecessary
expenses



Space optimization

Candidates for
weeding

Alma

Rapido

Leganto

Rialto

 Bowker

 ProQuest
Ebook Central

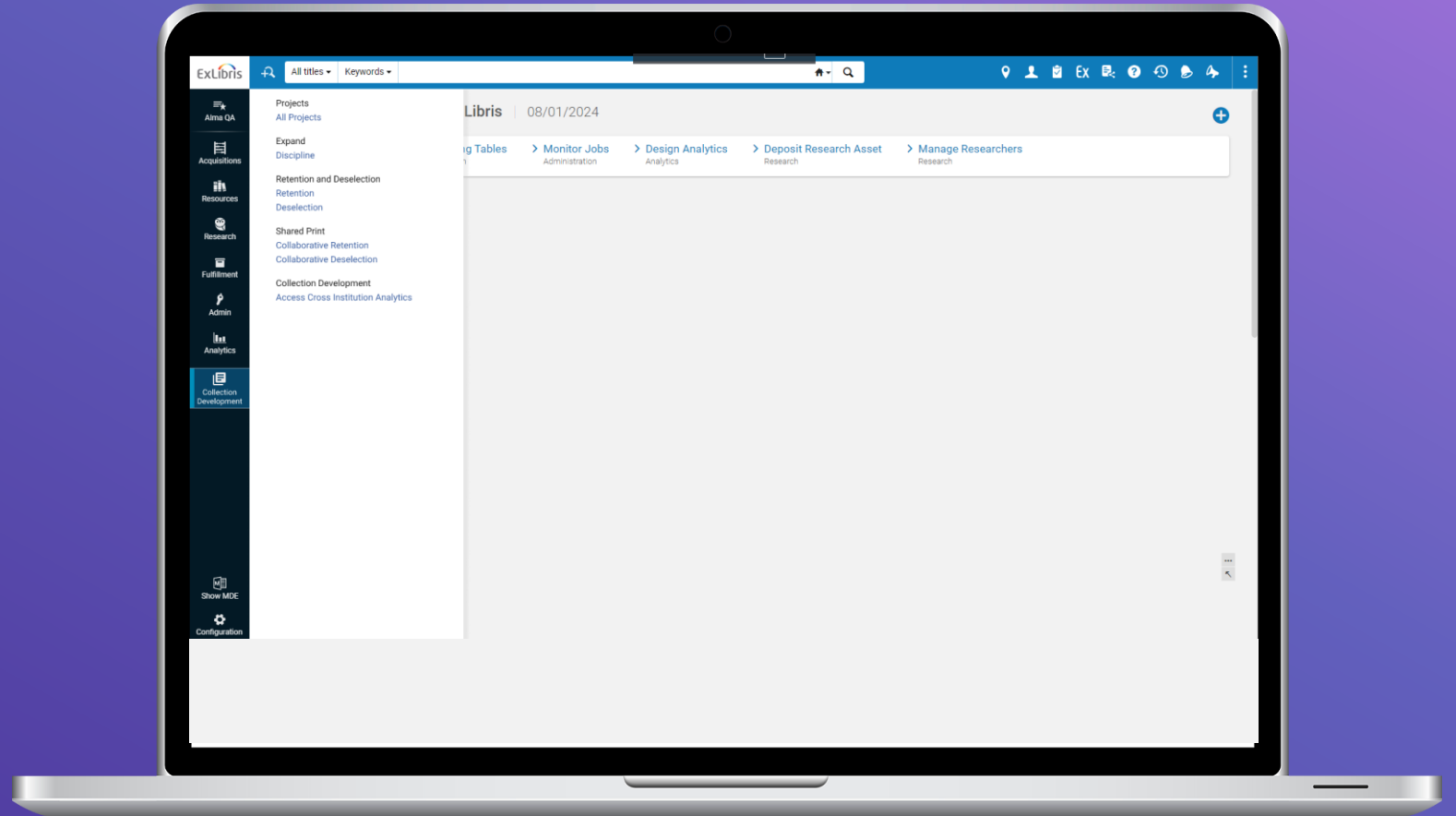
Primo

Cross Institution
Analytics

Ex Libris Collecto

A Centralized Solution

All main collection development tasks offered with dedicated smart workflows



Collecto Workflow

Retention Strategy

Sort by: Project r LF

1 Retention - Art & Design

Book (Book - Physical) Subjects: N: fine arts
Project Created NK:2140-2180: Decorative Painting, A: The Arts
Generated By John Smith
On 03/07/2024

1 Retention in the Law Library

Book (Book - Physical) Subjects: HV3176-3199, GN537-674, Ethnic Studies
Recommendation Generated Generated By John Smith
On 03/07/2024

Generate Recommendations

Request Consultancy

Add Retention Project

Cancel Save

Publication Date

Range of years

Resource Types

Book - Physical X

Institutions for Reference

Alma University X Library Institute X University of Knowledge X

Collecto University X Collecto College X

Compare to my pod

Compare to my region

Additional Attributes

In Active Course Yes No

Has OCLC Number

Library scope: All

Items for Retention (1 - 20 of 5,000) Project: Retention - Law (Generated on 02/07/2024)

Request Consultancy Create and Filter Set

Sort by: Creation r LF

Remove Selected from List Mark Selected for Retention Create Set from Selected

1 Comparative law / Mathias Siems.

Book (Book - Physical) Barcode 39031026497164 Available Elsewhere
By Siems, Mathias M., (New York : Cambridge University Press, 2014.) Call Number Q335 A785
Library Snell Library Item Policy Circulation
Location Stacks (STACK) MMS ID 99114770520001021
Item in Place

1 Law 101 / Jay M. Feinman.

Book (Book - Physical) Barcode 39031026497164 Available in My Pod
By Feinman, Jay M. (Oxford : Oxford University Press 2010.) Call Number Q335 A785
Library Snell Library Item Policy Circulation
Location Stacks (STACK) MMS ID 99114770520001021
Item in Place

1 Discrimination law / Sandra Fredman.

Book (Book - Physical) Barcode 39031026497164 Single Copy
By Fredman, Sandra. (Oxford [England] : Oxford University Press 2011.) Call Number Q335 A785
Library Snell Library Item Policy Circulation
Location Stacks (STACK) MMS ID 99114770520001021
Item in Place

1 Law & economics / Robert Cooter, Thomas Ulen.

Book (Book - Physical) Barcode 39031026497164 Single Copy
By Cooter, Robert. (Boston : Pearson/Addis on-Wesley c2012.) Call Number Q335 A785
Library Snell Library Item Policy Circulation
Location Stacks (STACK) MMS ID 99114770520001021
Item in Place

Item Material Type

Audio cassette (1)

Book (13813)

Bound Issue (602)

More (20)

Library

Snell (100)

Library 2 (100)

Library 3 (100)

More (8)

Badges

Available Elsewhere (100)

Available in My Pod (100)

Single Copy (100)

Location

Stacks (STACK) (100)

Location 2 (100)

Location 3 (100)

More (5)

Item Policy

Circulation (100)

Project-based

Strategy per project

Recommend

Show recommendations and reason they were generated

Timeline

Development Partner Program

Collecto Analytics

Retention Workflow -

Deselection Workflow -

Shared Print

Discipline Expansion

Curriculum Expansion

Resource Sharing/
Acquisition

Want to hear more?

Join the session

Monday, 4:25 PM

Introducing Collecto

Raphael Gabbay

Wednesday, 9:40 AM

**Library Analytics: Powered by
connections**

Raphael Gabbay

Resource Sharing



The Open ILL Network



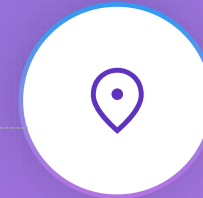
Fill rate:
Physical items: 87%
Digital items: 92%



Filled by 1st lender: 96%



2023 requests fulfilled:
2.6 million



~1,500 active libraries:
Rapido, RapidILL, Alma RS

Rapido and RapidILL

A Growing Community



408,718

Physical borrowing requests in 2023



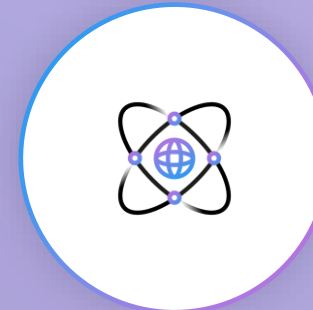
650

Digital partners including RapidILL community



57

Pods



1,278,455

Digital borrowing requests in 2023

Rapido: Integration with any ILS



Inventory



Real-time
availability



Circulation



Discovery
Layer

How?

- OAI-PMH for physical holdings load
- KBART for e-resources

-
- Utilize ILS API

-
- NISO Circulation Interchange Protocol (NCIP)

-
- APIs
 - OpenURL

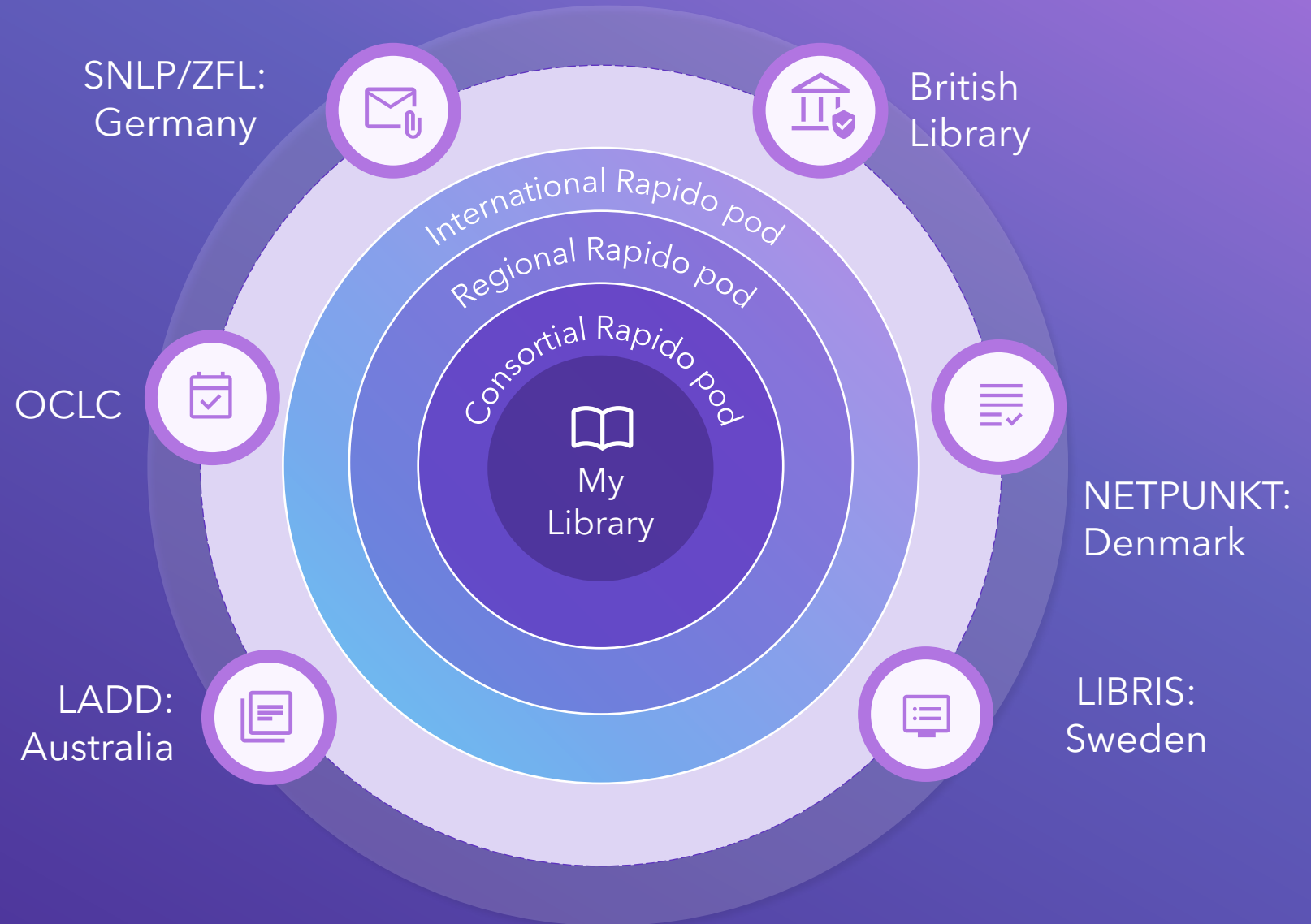
Rapido: Integration with Any ILS - Roadmap

ILS	Inventory	Real time availability	Circulation	Patron look up	General Availability
Alma	✓	✓	✓	✓	✓
Sierra	✓	✓	✓	✓	✓
FOLIO - EBSCO	✓	✓	✓	✓	✓

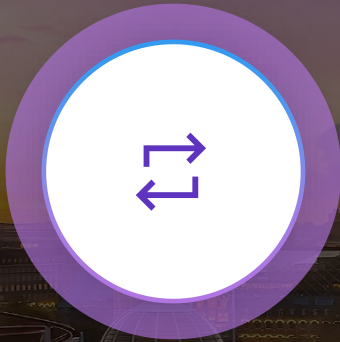


Rapido Pods

Share Resources
With Your Favorite
Partners



Open ILL Network



Interoperability

Advocate for standards based, open and extensible approaches to ILL interoperability

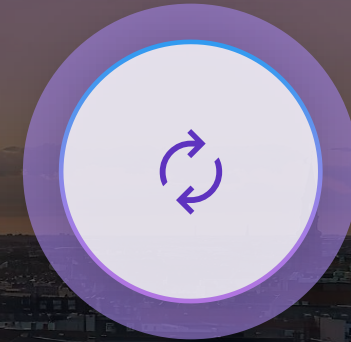
Example:
ILL system to ILL system



Integration

- Combining systems to function as a unified whole
- Support integration approaches

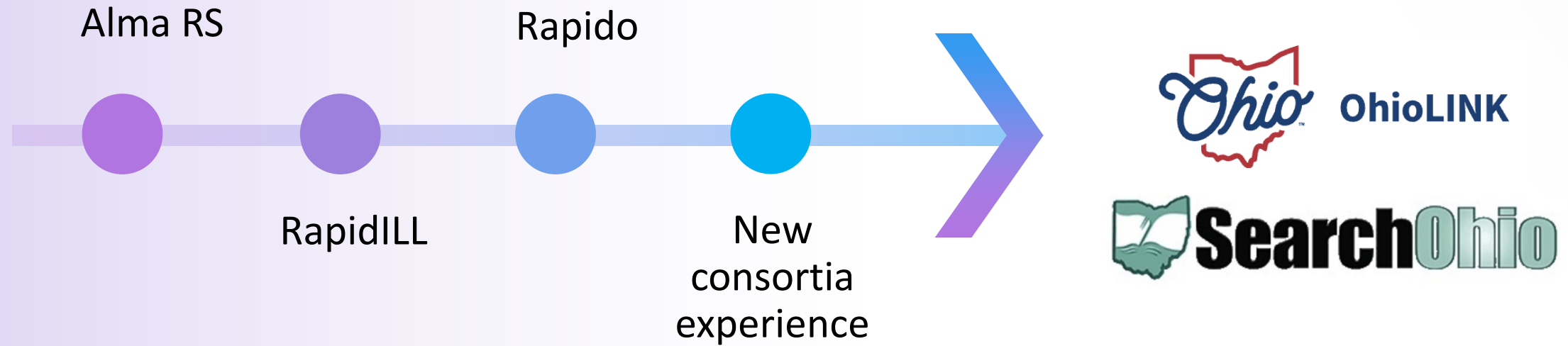
Example:
ILL system with ILS



Flexibility

- Do no harm
- Adapt to changing circumstances
- Be responsive and resilient
- Provide reasonable notice

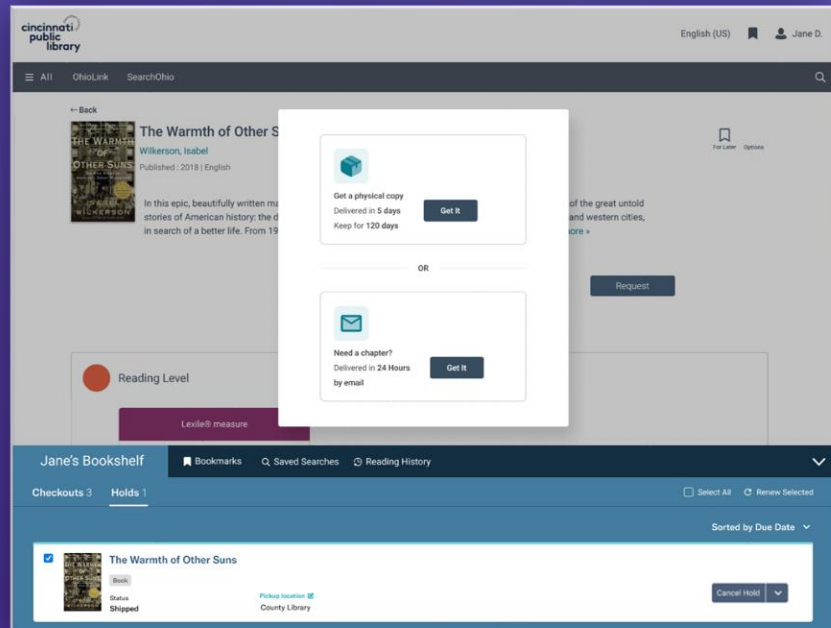
Expanding the Network



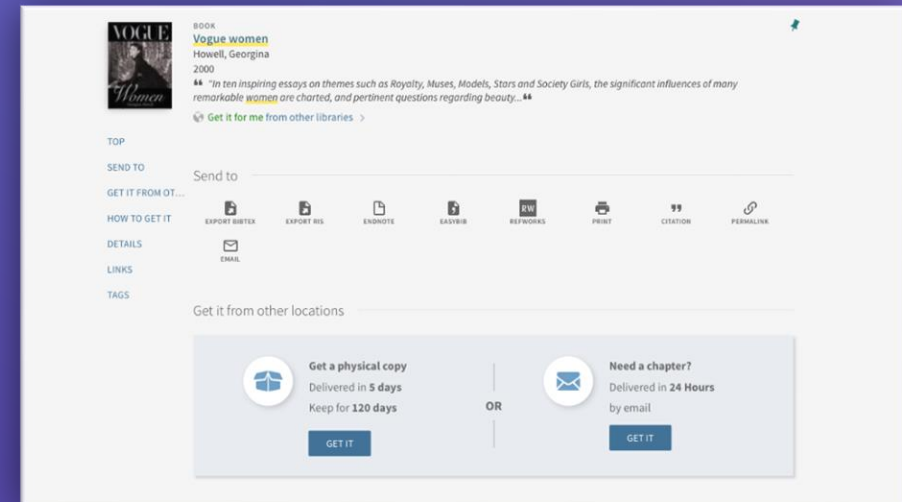
Discovery experience for public library and academic library users with same underlying infrastructure



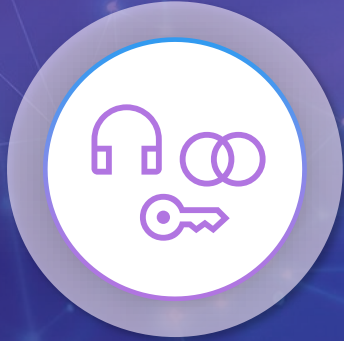
Public libraries: Local integrated workflow



Academic libraries: Local integrated workflow



AI at the Service of Resource Sharing



Coverage statements

- Standardizing output of formatting of volume, issue, and year fields
- Understanding language eg Vol/Issue in German



PDF QA

- Recurring issue: "Resend request"
- Quality of PDFs varies
- Identify/catch human errors in scanned materials
- blurry, missing pages, wrong article, blank page

Want to hear more?

Join the session

Monday, 2:10 PM

**RapidILL and Rapido Product
Conversation**

Judith Fraenkel

Library Open Platform



Current Situation



RESTful APIs



WebHooks



Open Standards

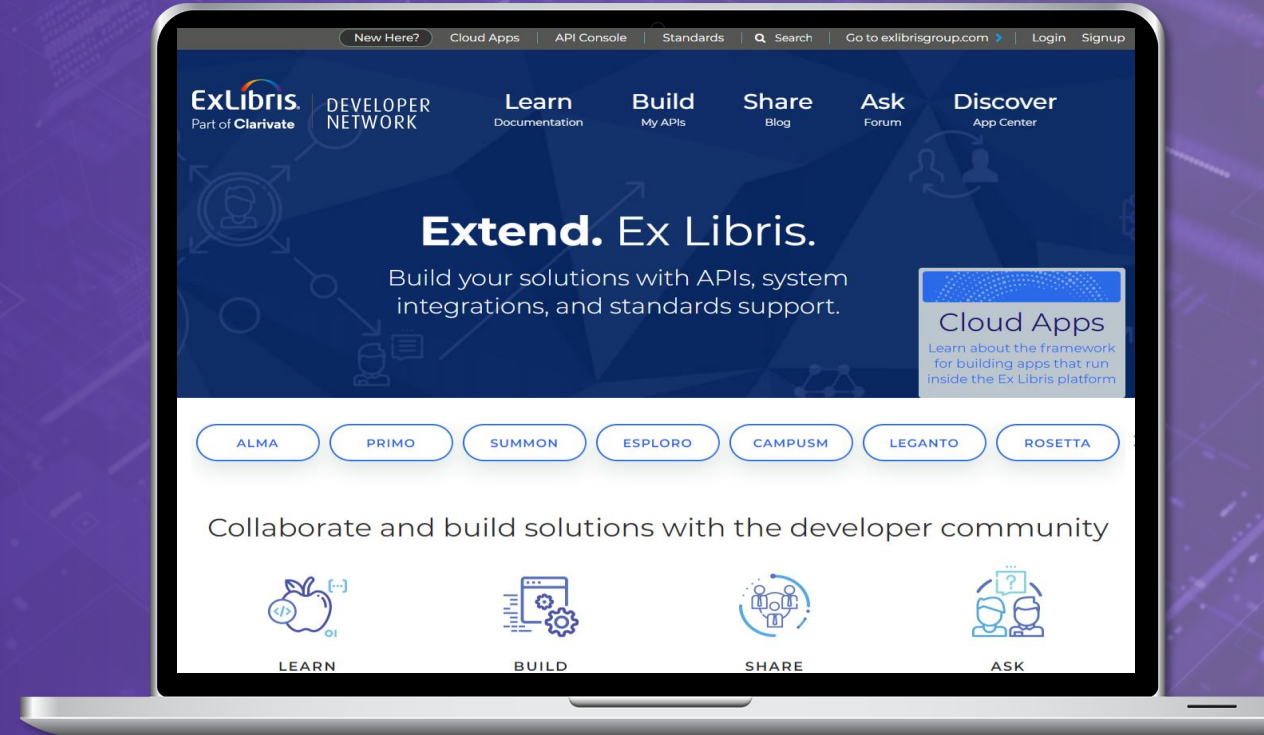


CloudApps

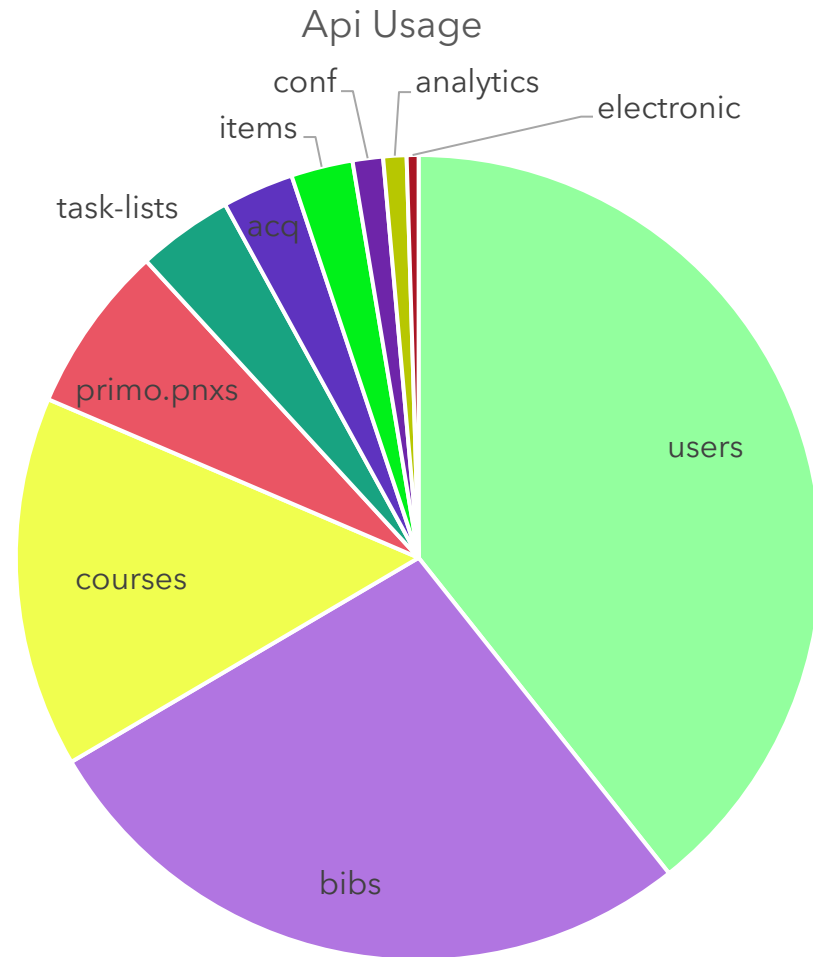
4B API calls in
last 12 months

48%
Growth in last 2
Years

>200 M
Webhooks in 2023



Current Situation



SLSP Card



Sascha Villing
Alma | Cloud App

This is the SLSP – Card Cloud App. Manage account settings on the network level by managing

Item Storage Locator



KU Leuven 32KUL_KUL
Alma | Cloud App

Add, update and verify storage location IDs of Alma items
Description The Item Storage

SUDOC Toolbox

Alexandre Faure
Alma | Cloud App

This cloudapp offers a range of tools for interacting with the French SUDOC bibliographic database from Alma. For a list of

CIL Namecard



Skúli Þór Bjarnason
Alma | Cloud App

This app allows staff to print the name and the library card number as a barcode on

What are we hearing?



*There is a learning curve
for writing Cloud Apps*



*Cloud Apps are great!
For UI integration...*



*We need an easy
way to send SMS's*



*Give us tools to
schedule scripts*



*What about AI
for developers?*

What do we want to change?

- Lower the technical barrier
- Enable new capabilities (e.g. custom batch jobs)
- Enable better integrations in the Enterprise ecosystem



Introducing: Library Open Workflows

No Code, Workflow Automation

RESTful
APIs

Google
Suite

Office
365

AI
Platforms,
LLMs

Web
Hooks

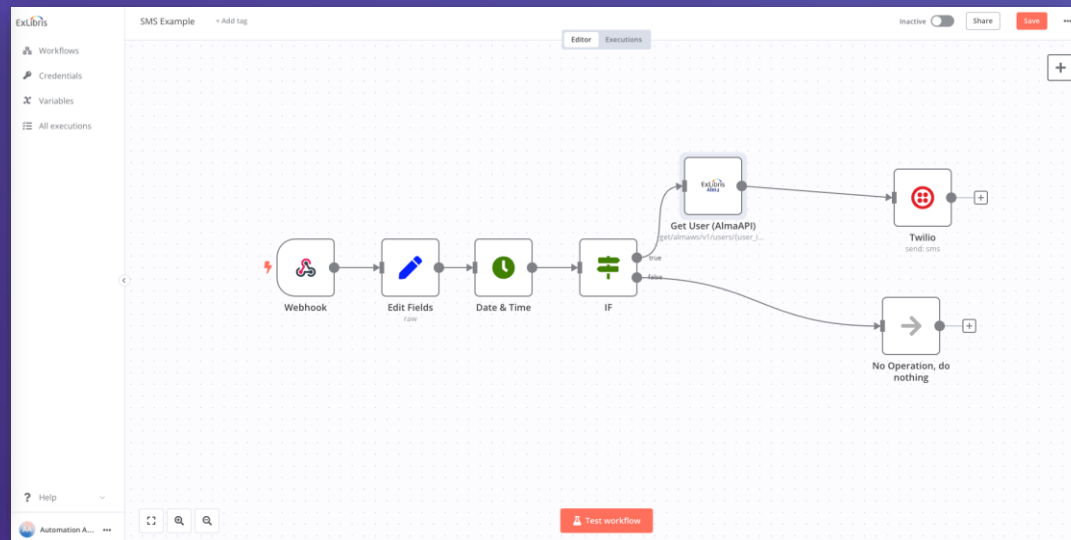
(S)FTP,
DropBox,
OneDrive

SMS,
Emails

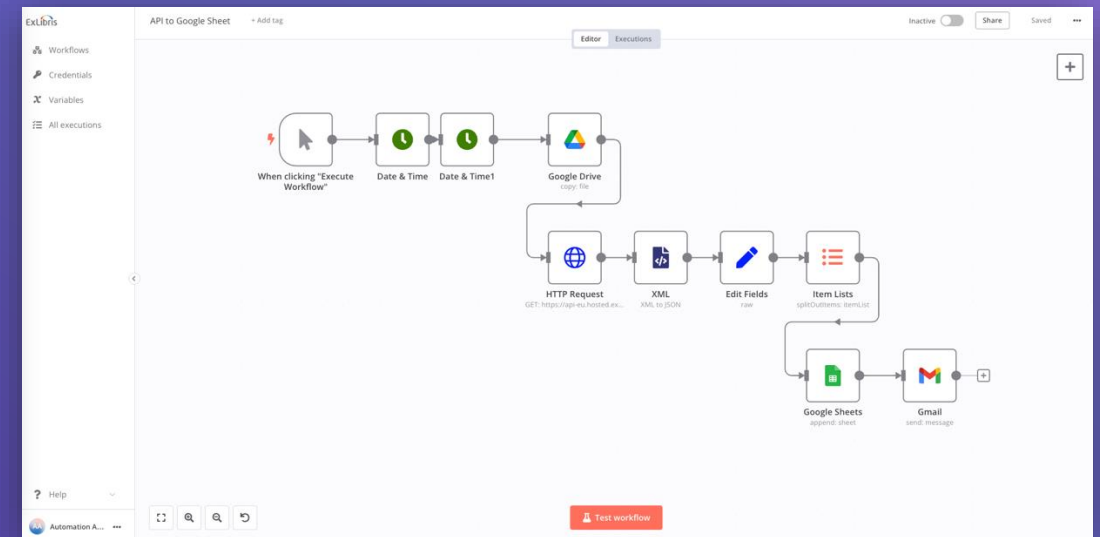
Library Open Workflows - Examples



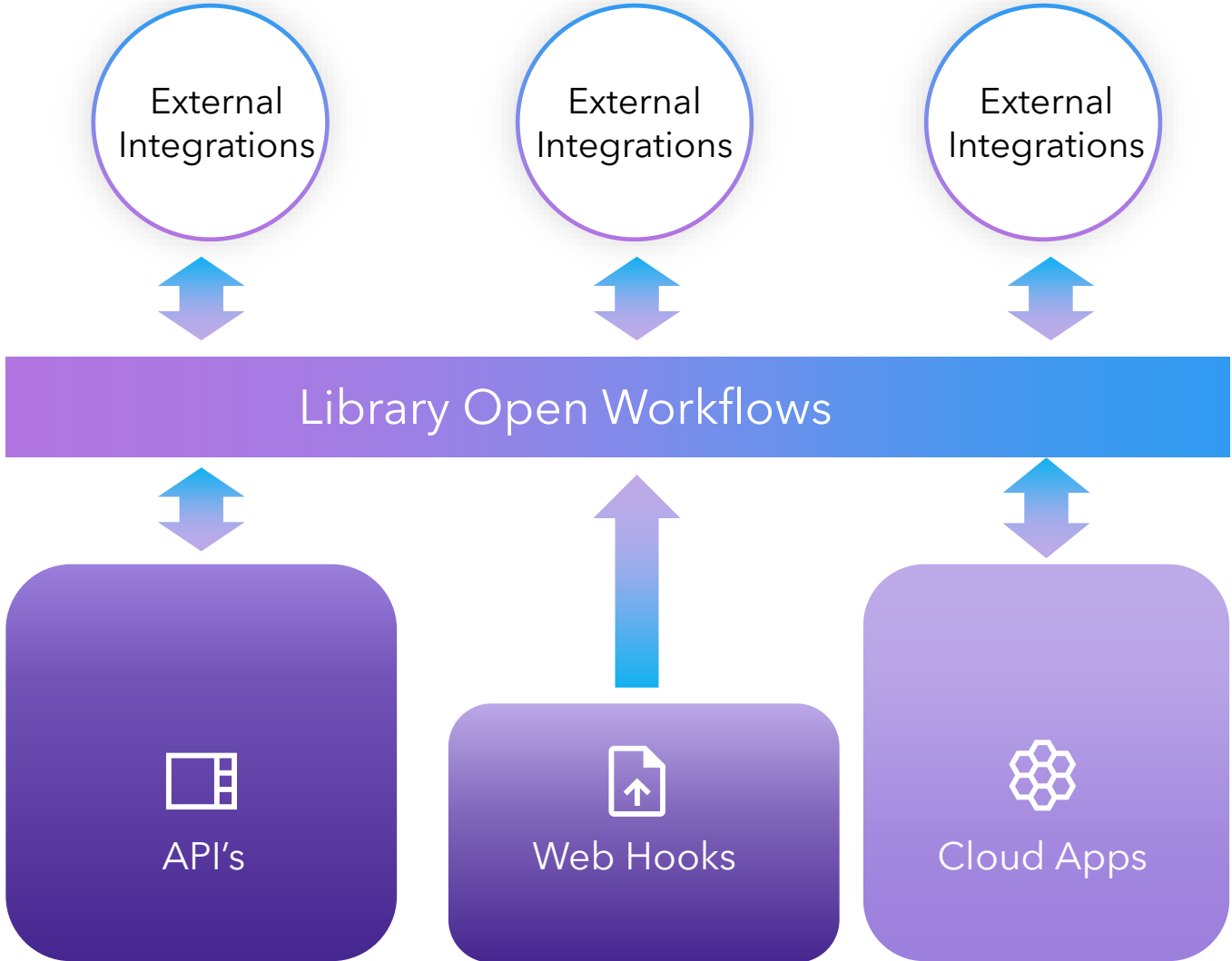
Send SMS on checkout



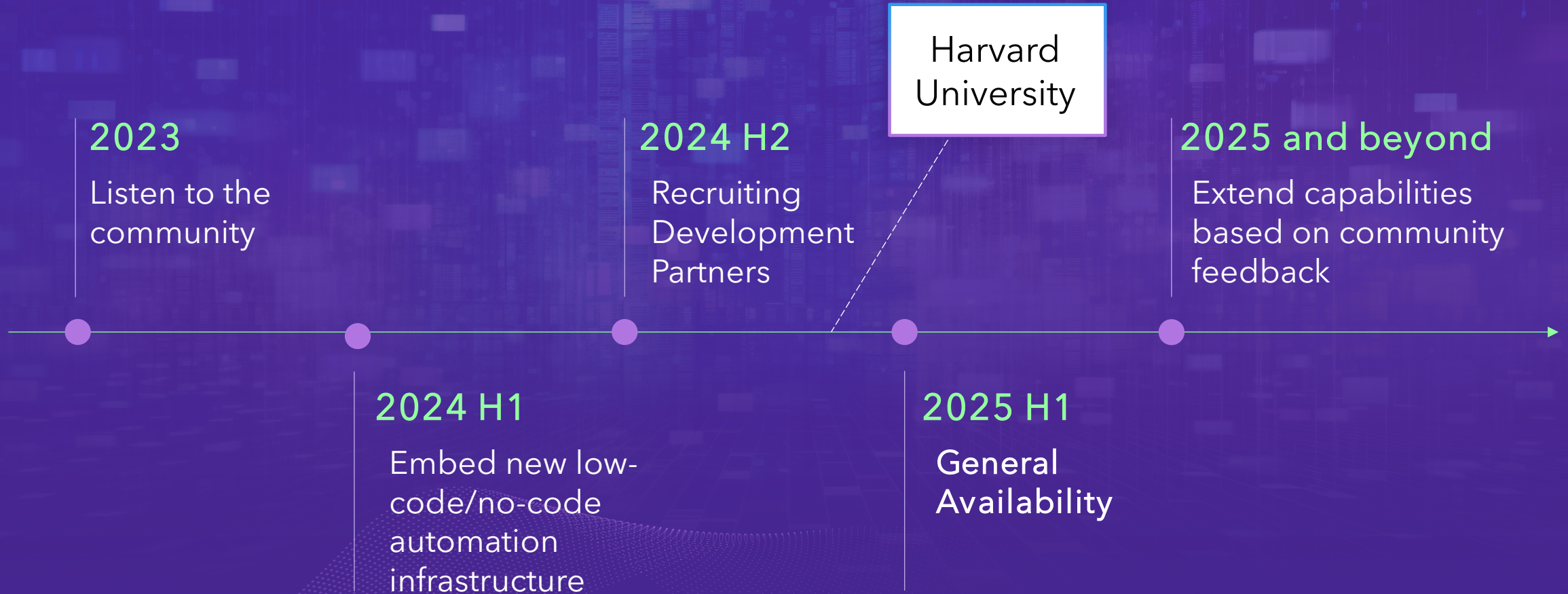
Automatic report to Google Sheet



Library Open Workflows



Library Open Workflows - Timeline



Want to Learn More?

Join the session(s)

Tuesday, 2:50 PM

Library Open Workflows

Shai Ben-Hur, Itai Veltzman

Wednesday 12:35 PM:

**Community Collaboration:
Empowering Libraries in an Open
Platform**

Itai Veltzman



The Library of Tomorrow



Linked Data and
AI Metadata
Assistant



Ex Libris Collecto:
Collection
Development



Open ILL
Network and
Rapido



Library Open
Workflows



Your Voice Matters!

Register now for our
Voice of Customer survey
launching October 22nd



Don't miss your chance to win a prize at
IGeLU 2024 by registering for our survey!



[Sign up now](#)



Thank You

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