



# Think Forward

Kaitlyn O'Malley  
October 2024

# We Leverage the Power of our Communities

## LARGEST COMMUNITIES

**94** Countries

**6,503** Institutions

**85** National Libraries



## CONNECTED COMMUNITIES

**1,810** Resource Sharing institutions

**2,655** Alma institutions

**3,709** Discovery institutions

## LOCAL USER-GROUPS

**8,020** User groups members

# Peeking into 2024 and the Future



Enhancing Existing  
Services



Building New  
Solutions



AI in Action

# From Concept to Reality

## CONNECT

Expand reach and connect communities & institutions

## ANALYZE

Generate insights through a global data network



## OPTIMIZE

Continue to optimize Products & operations

## PERSONALIZE

Innovate library experiences

## ENGAGE

Introduce new standards for engagement

AI

AI

# Last Year for Alma 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 Alma Community

NETWORK Institution Level: Training - Network Zone - Clean

### Consortia Configuration Management

Acquisitions

Analytics

Discovery

Fulfillment

General

Resources

User Management

Distributed Settings

General

Analytics

Network Zone

Back

Configuration Area

SEARCH configuration

NETWORK You are configuring: Training - Network Zone - Clean

General	Currency Subset	Fund Types	Fund and Ledger Fiscal Period
Legal Deposit Reports	Other Settings	Receiving Department Validations	
Survey Question Multiple Choice			
Invoices	Invoice Amount Threshold	Payment Method	
Disapproval Reasons			
VAT Codes			
Licenses	License Review Status	License Storage Location	
Discovery Interface Labels Customized	Sections Order		
License Term Controlled Vocabulary			
Purchase Orders			
1st Reporting Codes	2nd Reporting Codes	3rd Reporting Codes	
4th Reporting Codes	5th Reporting Codes	Acquisition Method	
EDI Vendor Note Fields	PO Line Cancellation Reasons	PO Line Deferral Reasons	

### Agreement Definitions

Summary Agreement Definitions Inventory PO Lines History

Unlimited

Agreement date range 01/01/2024 - 31/12/2024

Tokens total \* 11

Number of requests to publish (used tokens) 4 requests (PO lines)

Remaining tokens total 7

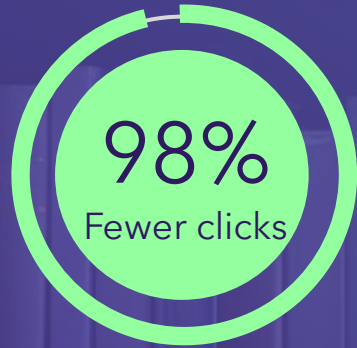
Consortia Central  
Configuration Dashboard UI

Streamlining Open Access Publishing

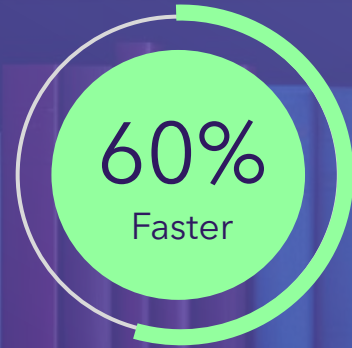
Transformative Agreement License

New PO Line Type: Article Processing Charge (APC)

# New UX: Title Search and Patron Services



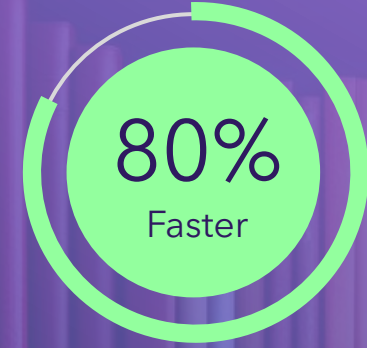
View Loan Note



Create Loan Note



View Loans/Request



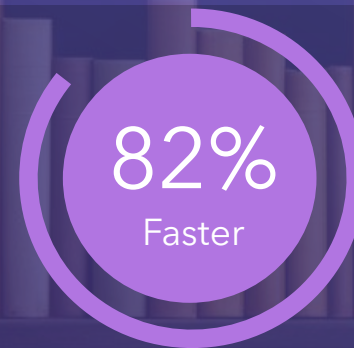
View Historical Requests



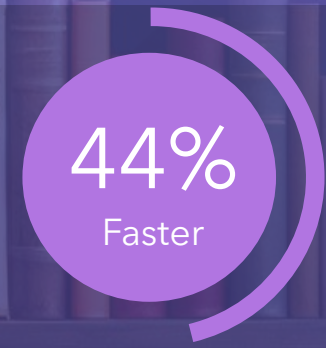
Run Job on Selected Records



Suppress from Discovery



Search for Records with Same Subject/Contributor



Activate Portfolio

# 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**

**RequestIt!**



# What is Specto Special Collections?

A digital asset management solution that:



## **Extracts**

metadata and  
entities with AI



## **Links**

materials to  
provide context



## **Exposes**

collections to a  
broad audience



## **Tells a Story**

through a  
discovery journey

---

**Based on existing Alma and Alma D**

# Specto's Front Door

## New Discovery, Exhibition, SEO

הספרייה הלאומית  
المكتبة الوطنية الإسرائيلية  
THE NATIONAL LIBRARY OF ISRAEL

### Napoleon Was Here!

Having subdued Italy, Napoleon Bonaparte turned his gaze to Egypt as the next target of expansion. He believed that the Land of the Nile was the gateway to conquering the East, and in 1798 he set out to prove it to himself and to the world.

The National Library contains a unique collection of more than 1000 documents from Napoleon Bonaparte's time with his army in Egypt (1798-1801). Join us on Napoleon's expedition to Egypt and the Holy Land.

Let's go!

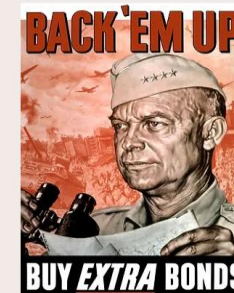
## From military command to presidency

A visual retrospective of Eisenhower's career

Start



1915 - 1953  
Eisenhower's military career



February 1944

### World War II bonds poster of General Dwight D. Eisenhower holding a map and binoculars

To support the war effort at home, it was necessary for the US Government to sponsor war bonds. By purchasing war bonds, Americans helped defray the costs of financing the global conflict. Emphasizing the need to contribute, post-D-Day war bond posters depicted General Dwight D. Eisenhower and the embattled American soldiers in Europe. In this World War II propaganda poster, General Dwight D. Eisenhower holds a map and binoculars. Behind him troops, tanks, and aircraft engage in battle.

February 1944

### The Allied Supreme Command

General Dwight D. Eisenhower, the commander of the Allied forces in Europe during World War II, appears in a photograph of the Allied Supreme Command. The Allied Supreme Command, sitting, from left: Arthur Tedder (1890 - 1967), General Dwight D. Eisenhower (1890 - 1969) and Field Marshal Bernard L. Montgomery (1887 - 1976). Standing, from left: General Omar Bradley (1893 - 1981), Admiral Bertram Ramsey (1883 - 1945), Trafford Leigh-Mallory (1892 - 1945) and Walter Smith (1895 - 1961).



June 12, 1945

### Dwight D. Eisenhower and Winston Churchill

General Dwight D. Eisenhower in London with British Prime Minister Winston Churchill (1874 - 1965) having just received the Freedom of the City.



June 22, 1945

### General Eisenhower comes home

Home again after a transatlantic flight in London and Paris, receiving the Medal of Liberation from General de Gaulle. General Dwight D. Eisenhower is greeted by his wife and by a million of his countrymen at Washington. In an army jeep, America's returning hero begins a tour through the capital city. Winning the highest praise of all of the United Nations for his brilliant military achievement, General Eisenhower now receives the heartfelt tribute of the United States.



# Metadata extraction

**Title:** Lunch atop a Skyscraper

**Subjects:**

- Construction workers
- Skyscrapers--New York (State)--New York
- Iron and steel workers
- Rockefeller Center (New York, N.Y.)

**Description:** The photograph shows eleven men sitting on a steel beam, eating lunch, reading newspapers, and chatting, with no safety harnesses, high above the streets of New York City. This photograph is often studied for its composition and historical context, symbolizing both the perils and the progress of urban development.

**Format:** image/jpeg, Black and white





## NER

 **Person:** Joe Curtis, Joseph Eckner

 **Building:** Rockefeller Center

 **Location:** New York City



## Metadata Update

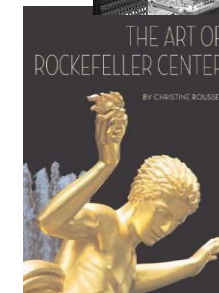
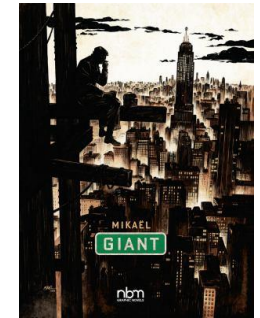
**Person:** Joe Curtis  
**Building:** Rockefeller Center  
**Location:** New York City (NY)  
**Geolocation Coordinates:**  
 40°45'31"N 73°58'45"W



## Linking

**LIBRARY**  
LIBRARY OF CONGRESS

WIKIPEDIA



# Specto Offerings



## Special Collections

- AI Metadata Assistant
- Online Exhibition



## Preservation

- Long-term access guarantee
- Risk management



## Essential DAM

- Improved workflows
- Improved discovery
- Improved SEO

# Current Analytics 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

# 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**



# Timeline

## Development Partner Program

- Collecto Analytics

- Retention Workflow-

- Deselection Workflow -

- Shared Print

- Discipline Expansion

- Curriculum Expansion

- Resource Sharing/ Acquisition

# What are we also 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?*

# 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

# Introducing Library Open Workflows

No Code, Workflow Automation

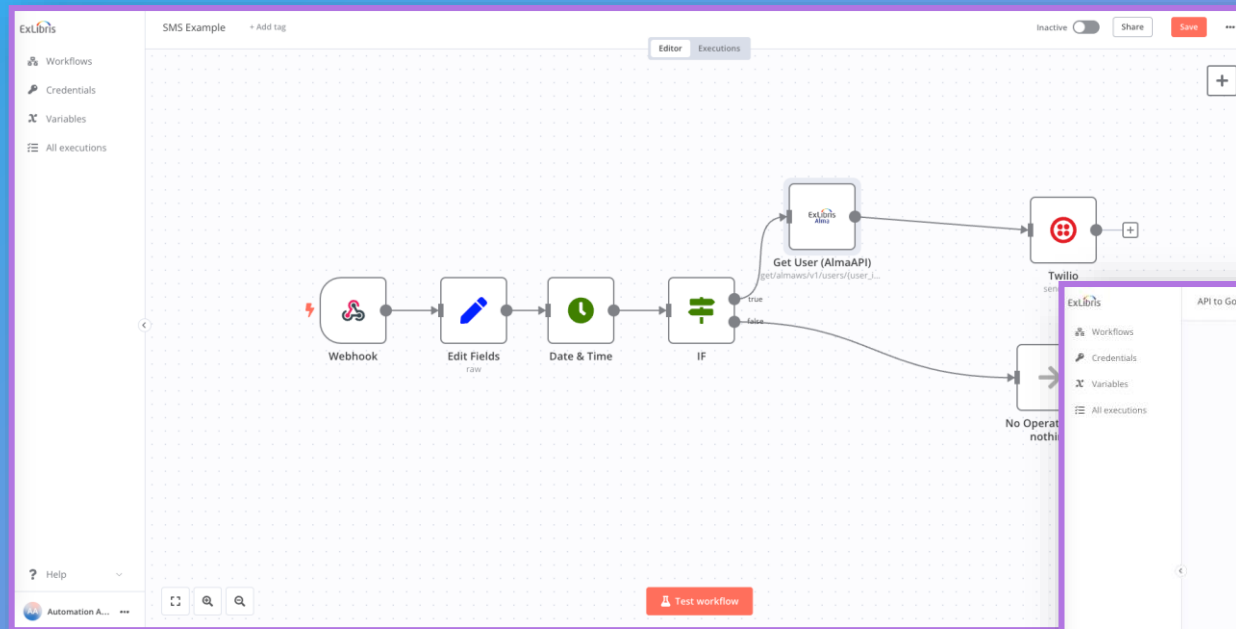
FROM THIS ...

```
Line wrap 
1 <!DOCTYPE html>
2 <html dir="ltr" lang="en">
3 <meta charset="utf-8" />
4 <meta name="viewport" content="width=device-
5 <meta property="og:site_name" content="Twitt
6 <meta name="apple-mobile-web-app-title" cont
7 <meta name="apple-mobile-web-app-status-bar-
8 <meta name="theme-color" content="#ffffff" /
9 <meta http-equiv="origin-trial" content="Api
10 html{-ms-text-size-adjust:100%;-webkit-text-
11 body{margin:0;}
12 button::-moz-focus-inner,input::-moz-focus-i
13 input::-webkit-inner-spin-button,input::-web
```

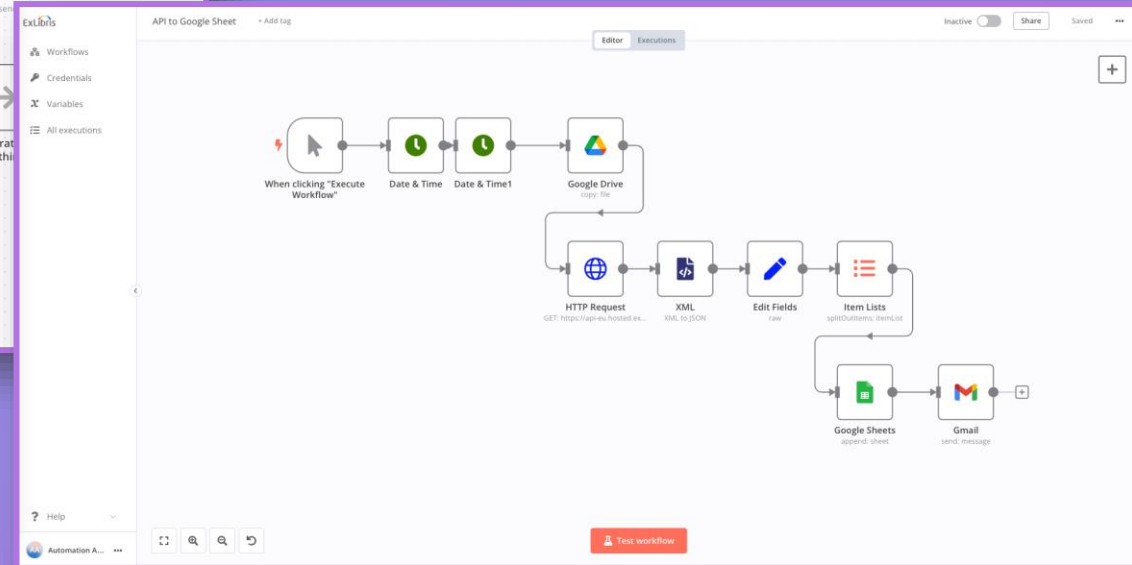
# Introducing Open Library Workflows 2.0

No Code, Workflow Automation

## Send SMS on checkout



## Automated report to Google Sheet

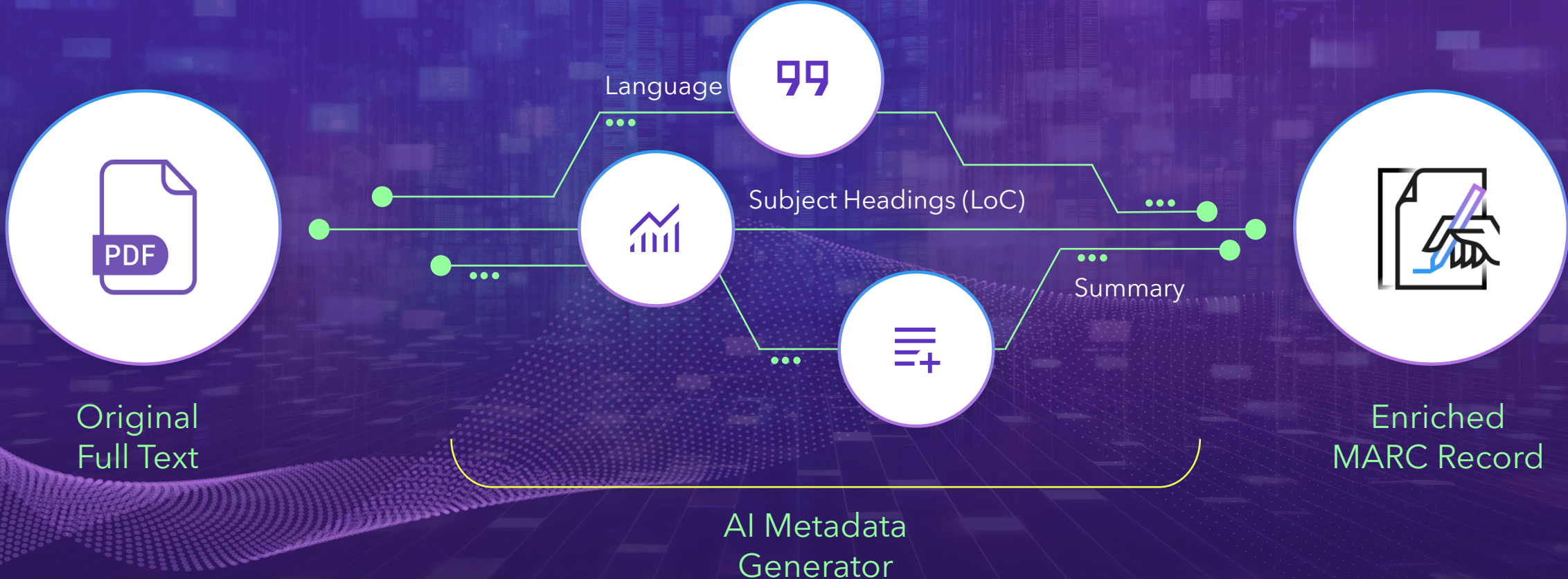


# Library Open Workflows - Timeline



# AI Metadata Generator

For Alma Community Zone



# AI 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 <span>⋮</span>

Drop a file or [Browse files](#)

Cancel Generate Record

- Crop
- Delete



# AI Metadata Assistant

Cataloger-mediated to maintain quality and accuracy of catalog

The screenshot displays a catalog interface with a top navigation bar containing 'Records', 'Templates', and 'Rules'. A secondary bar includes actions like 'Save', 'New', 'Record Acti...', 'Editing Acti...', 'Add Invent...', 'View Relat...', 'Order', 'Search & Br...', and 'Quick links'. Below this, a breadcrumb trail shows 'Delete Record | Browse Shelf Listing'. The main header for the record is 'Insights into Job-Related Strain: Identifying Organizational and Psychological Factors for Predictive Analysis (99137706201901021)', with a 'Record' button and a 'New AI Generated' badge. A search box on the left contains 'Search in list'. The record details are as follows:

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

# AI 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

# Current Situation

## Linked Open Data Sinopia and Alma



### Alma now production-ready

- BIBFRAME work and instance
- Sinopia integration

Do+Do

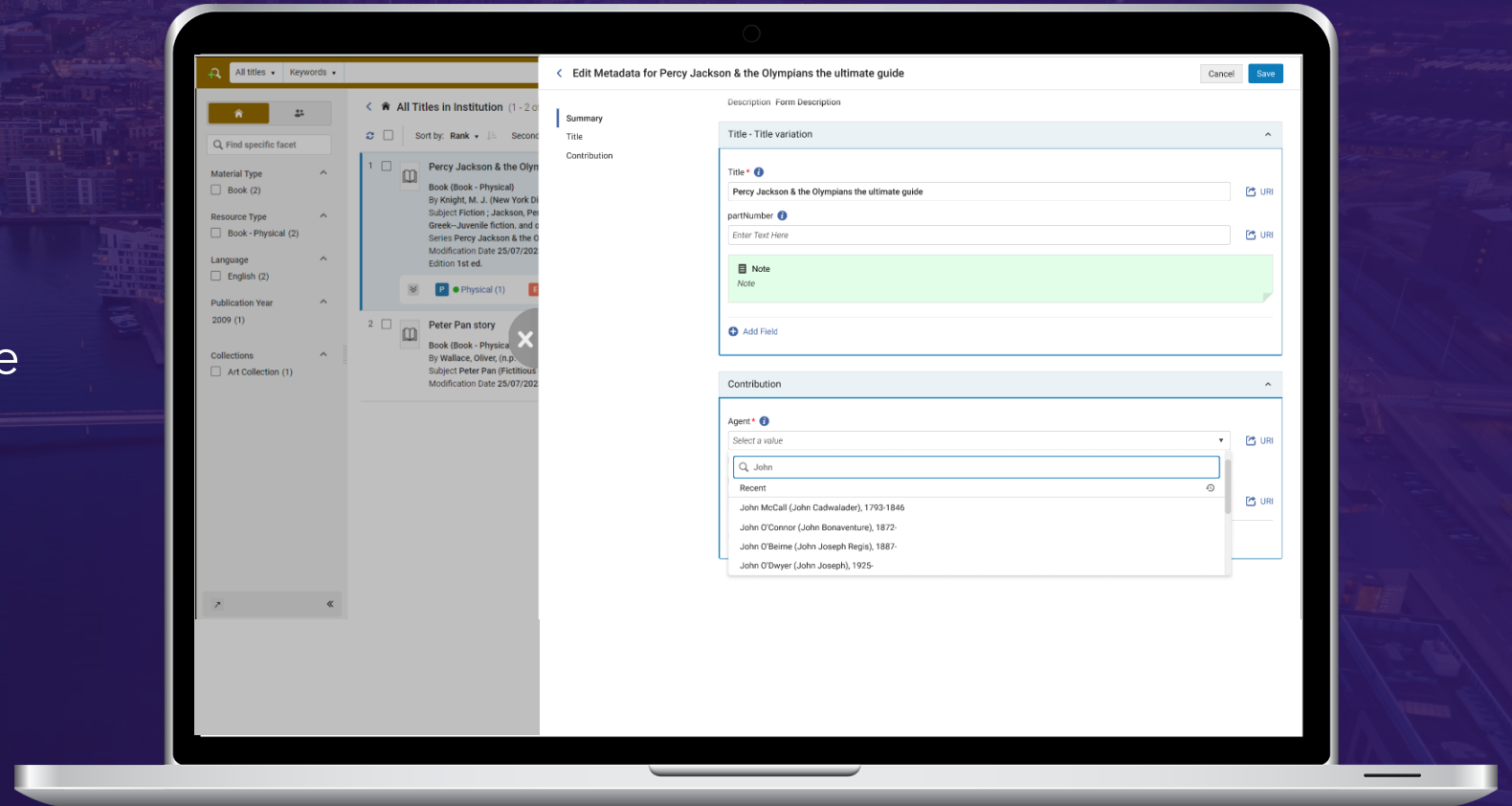
### Working with the Linked Data Focus Group

- 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

# Rapido and RapidILL

A Growing Community



**408,718**

Physical borrowing  
requests in 2023



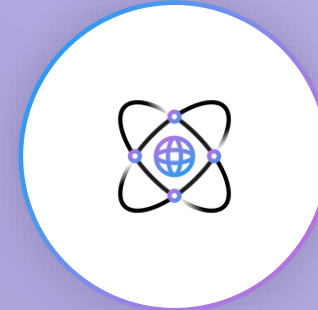
**650**

Digital partners  
including RapidILL  
community



**57**

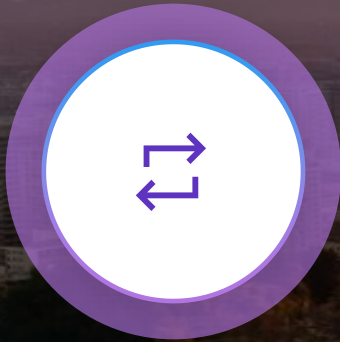
Pods



**1,278,455**

Digital borrowing  
requests in 2023

# Open ILL Network



## Interoperability

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

---

Example:  
ILL system to ILL system

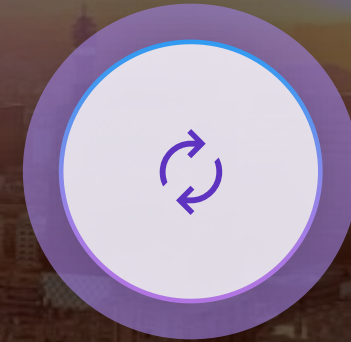


## Integration

- 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



# Building the Next Discovery Experience

For tomorrow's end users

Primo & Summon  
Research Assistant

New UI

Linked Open Data

User Engagement  
Platform

# Primo Research Assistant - A New Search Paradigm

**Powered by  
Generative AI**

Based on the  
Central  
Discover Index



Research with Natural Language



Contextual Results



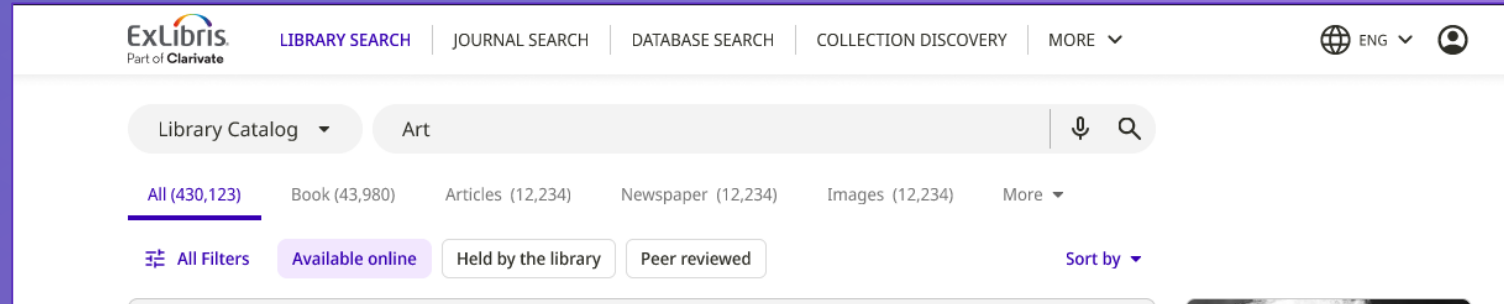
Trusted Content



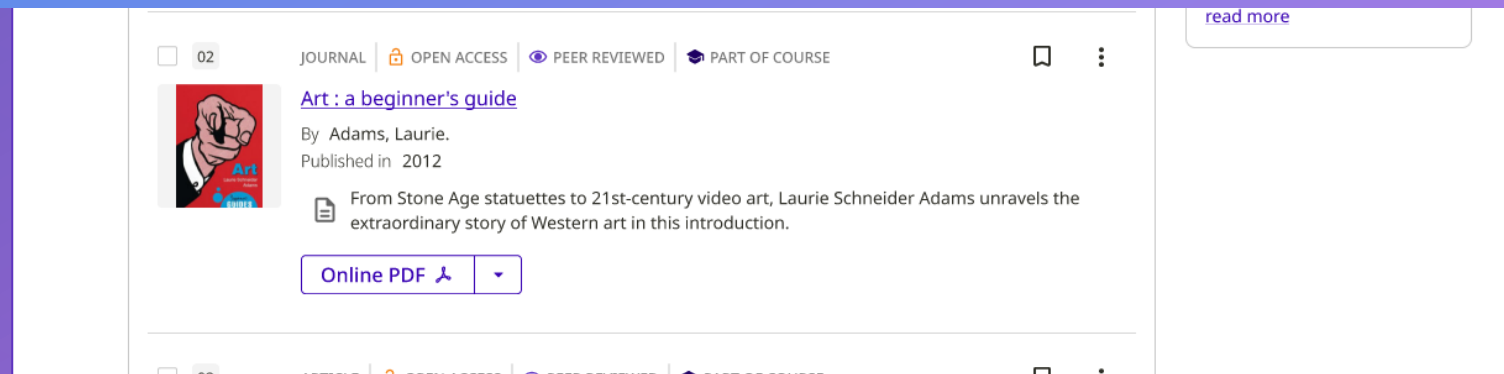
Revolutionizing Information Interaction



# NDE New UI



Available for testing February 2025



# NDE Linked Open Data



## Dumas, Alexandre, 1802-1870

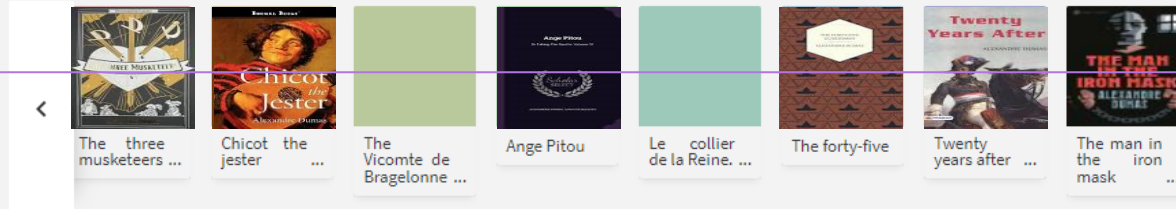
French writer and dramatist (1802-1870)

Alexandre Dumas (UK: , US: ; French: [alɛksɑ̃dʁ dymɑ]; born Dumas Davy de la Pailleterie ([dymɑ davi də la pajɛt(ə)ʁi]), 24 July 1802 – 5 December 1870), also known as Alexandre Dumas père, was a French novelist and playwright. His works have been translated into many languages and he is one of the most widely read French authors. Many of his historical novels of adventure were originally published as serials, including *The Count of Monte Cristo*, *The Three Musketeers*, *Twenty Years After* and *The Vicomte of Bragelonne: Ten Years Later*. Since the early 20th century, his novels have been adapted into nearly 200 films. Prolific in several genres, Dumas began his career by writing plays, which were successfully produced from the first.

[See more in Wikipedia](#)

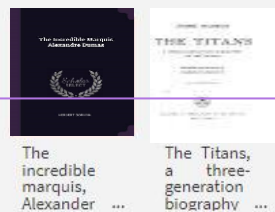
<b>Born</b>	1802-07-24, Villers-Cotterêts (France)
<b>Died</b>	1870-12-05, Dieppe (France)
<b>Field Of Work</b>	French literature
<b>Occupation</b>	Author, Dramatist, Novelist, Authors, Dramatists
<b>Source</b>	Library of Congress Name Authority and Wikidata

## Titles in the Library By Dumas, Alexandre, 1802-1870



[See All Titles](#)

## Titles in the Library Written About Dumas, Alexandre, 1802-1870



[See All Titles](#)

# NDE Linked Open Data



BOOK  
**The Titans, a three-generation biography of the Dumas.**  
Maurois, André, 1885-1967.  
C1957  
[Available at Main Library Stacks \(PQ2230 .M3313\) >](#)

TOP

SEND TO

GET IT

DETAILS

TAGS

VIRTUAL BROWSE

Send to



EXPORT TO EXCEL



MENDELEY



QR



EXPORT BIBTEX



EXPORT RIS



EASYBIB



ENDNOTE



REFWORKS



PRINT



CITATION



PERMALINK



EMAIL



Related Persons



Maurois, André, 1885-1967

French journalist (1885-1967)

Show more >

Providing a Linked Data experience in Discovery, regardless of the record format

Title	The Titans, a three-generation biography of the Dumas
Creator	Maurois, André, 1885-1967. >
Subject	Dumas, Alexandre, 1802-1870 -- Family > Dumas, Alexandre, 1824-1895 -- Family > Dumas, Thomas Alexandre, 1762-1806 -- Family >

Contents	Generals France Biography.
Publisher	Translation of Les trois Dumas. New York, Harper C1957
Creation Date	C1957
Format	508 p. illus. 24 cm.
Source	Library Catalog
Identifier	LC : 57008173 /L/r933
Source	Library Catalog
Language	English



Dumas, Alexandre, 1802-1870

French writer and dramatist (1802-1870)

Show more >

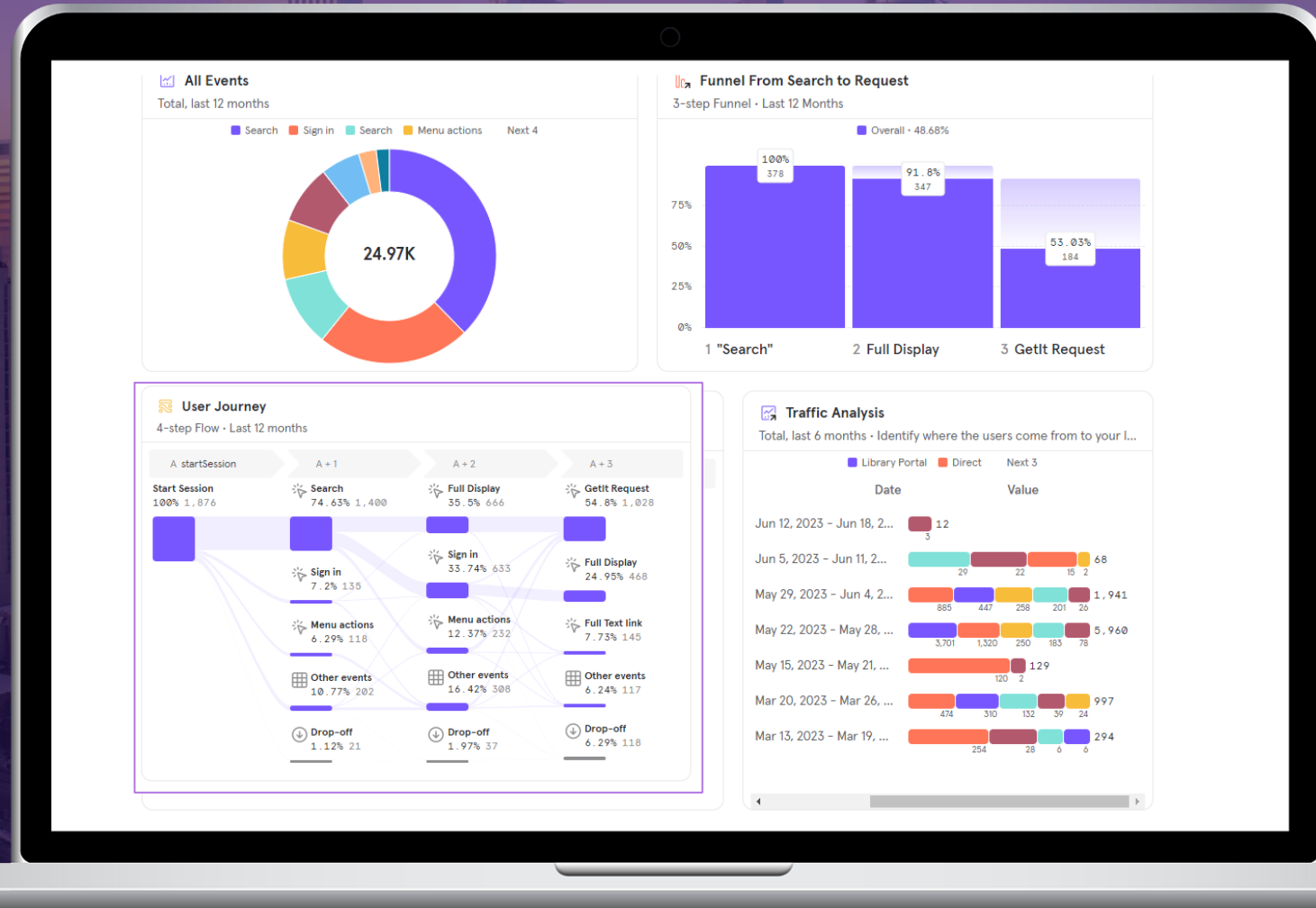


Dumas, Thomas Alexandre, 1762-1806



# NDE User Engagement Analytics: understanding the journey

Powered by  
**mixpanel**



And the journey into the future continues...



With you, every step of the way!



Thank You

© 2024 Clarivate

Clarivate and its logo, as well as all other trademarks used herein are trademarks of their respective owners and used under license.