

Alma Specto

Product Conversation



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Agenda



Current Challenges

Alma Specto Solution

Main Capabilities

Timeline

Q&A

Recognize this?



The world's largest gold reserve, found in China in Nov 2024 – worth \$80B and holding 1,000 tons of gold

Digital Collections are an Untapped Goldmine



Digital Collections are an Untapped Goldmine



Why?

1 Labor-intensive metadata creation process

"Manual metadata creation is one of the major bottlenecks in cataloging large volumes of digital materials."

- Library of Congress, The Signal Blog, 2024

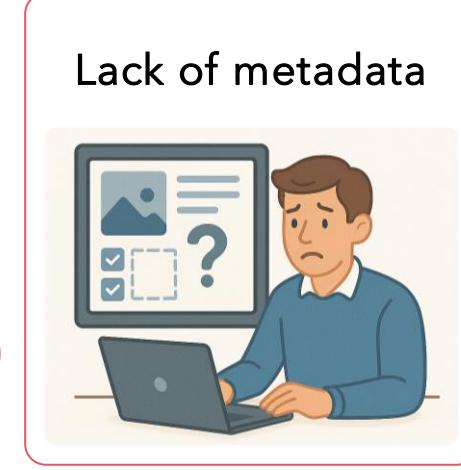
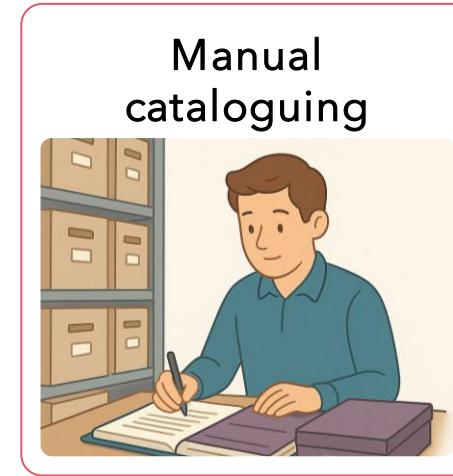
2 Limited discovery capabilities

"Without rich and consistent metadata, digital resources often remain undiscovered."

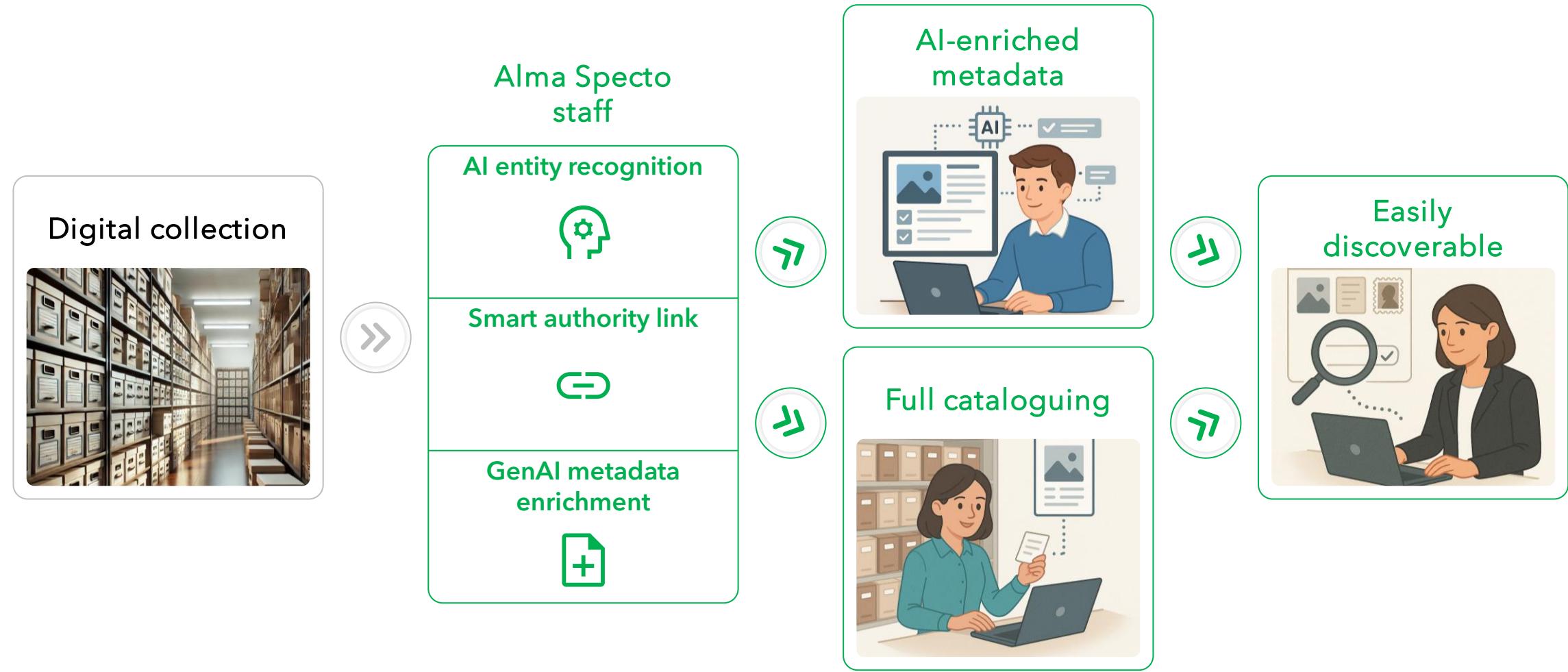
- Murtha Baca,
Metadata for Digital Collections, 2024

Why Digital Collections Remain Hidden

Labor-intensive metadata creation process



Why Digital Collections Remain Hidden



Why Digital Collections Remain Hidden

Limited discovery capabilities

Digital collection



Limited discovery tools



Hard to discover



How Alma Specto Unlocks Hidden Digital Collections



Alma Specto
End-user

Online exhibition



AI-powered NDE



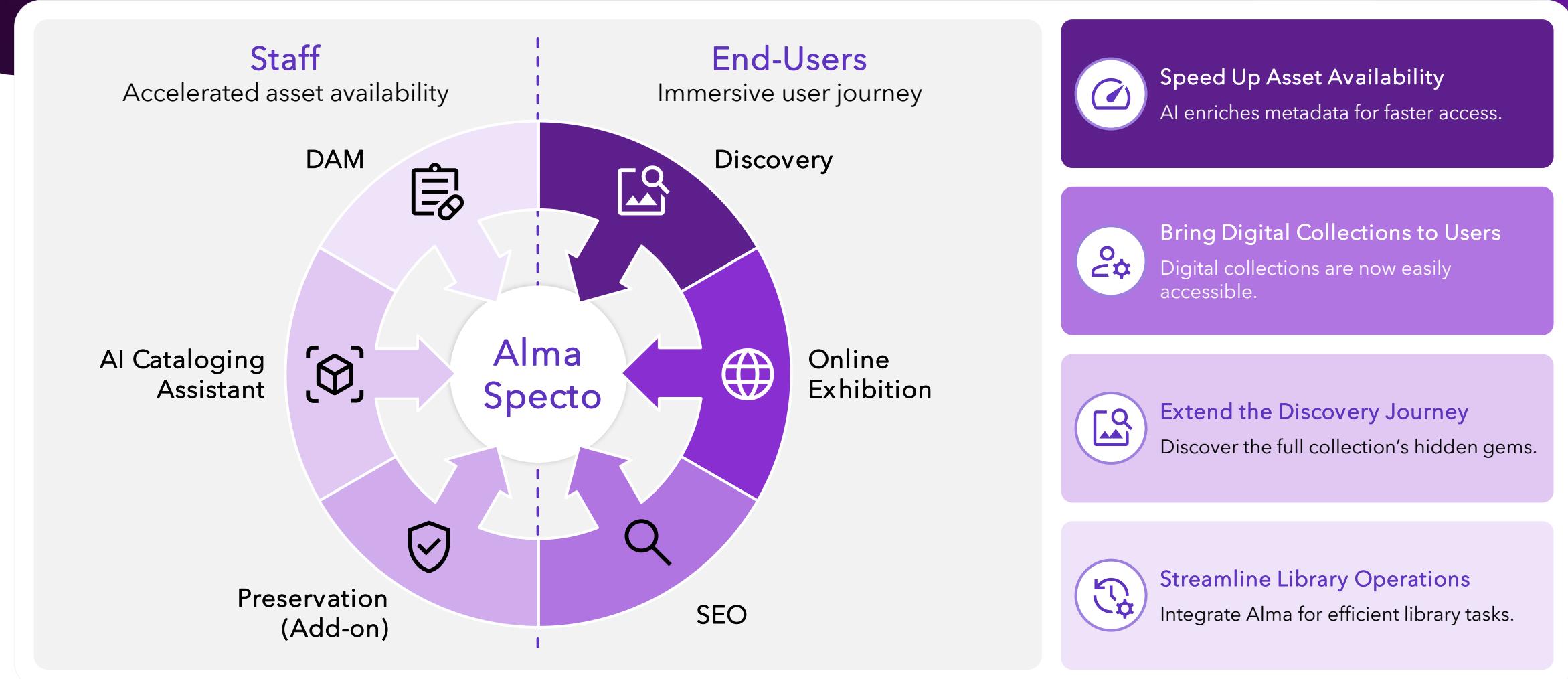
SEO



Easily
discoverable



Alma Specto: Making Digital Collections Accessible, Engaging and Effortless

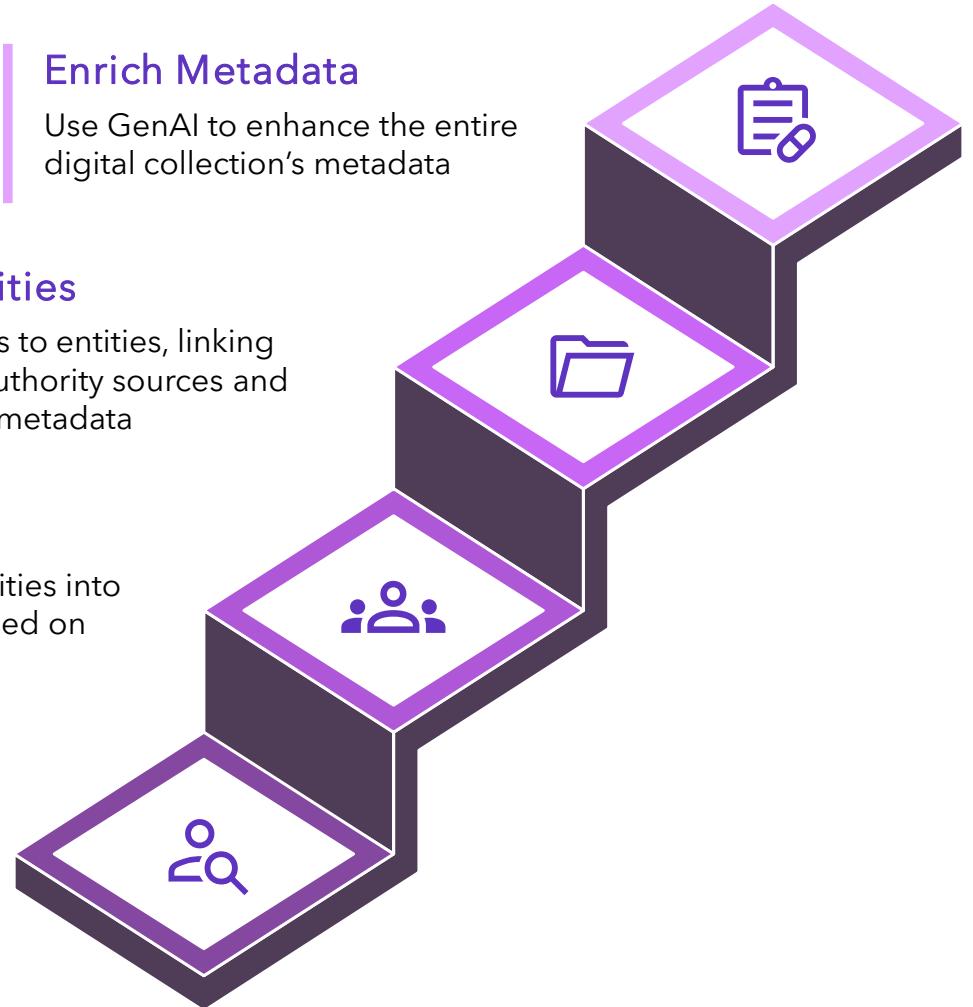


AI Cataloging Assistant



AI Cataloguing Assistant

- 1 Extract Entities**
Identify and extract key entities from the digital collection
- 2 Group Entities**
Organize extracted entities into meaningful groups based on similarities
- 3 Tag Entities**
Apply tags to entities, linking them to authority sources and updating metadata
- 4 Enrich Metadata**
Use GenAI to enhance the entire digital collection's metadata



Images



The Queen Elizabeth II Collection

◀ Collection: Queen Elizabeth II - Specto (1 - 35 of 35)

Sort by: Rank ▾ Secondary sort by: Rank ▾ Run a Job Add to Itemized Set Create Itemized Set Push to MDE Manage Labels



1 ...
elisabeth-ii-1959
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574600121



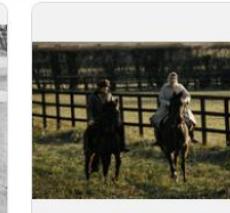
2 ...
King George VI and
Elizabeth II 1936
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574500121



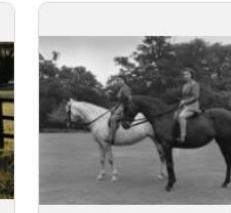
3 ...
king george vi princess
elizabeth princess...
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574400121



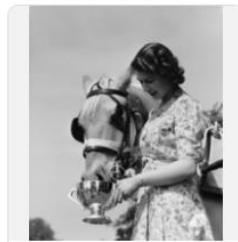
4 ...
princess elizabeth 1934
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574300121



5 ...
princess-anne-and-
queen-elizabeth-ii-...
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574200121



6 ...
princess-elizabeth-and-
princess-margaret-ros...
Mixed material (Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574100121



7 ...
princess-elizabeth-



8 ...
queen elizabeth ii 96th
queen elizabeth ii in ride



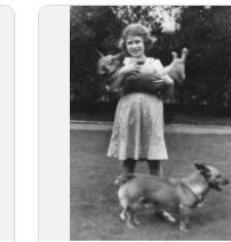
9 ...
queen elizabeth ii in ride



10 ...
Queen-Elizabeth-corgis



11 ...
Queen-Elizabeth-Dogs
Queen-Elizabeth-Dogs-



12 ...
Queen-Elizabeth-Dogs-

Entity Extraction and Grouping

◀ Collection: Queen Elizabeth II - Specto (1 - 35 of 35)

Sort by: Rank ▾ Secondary sort by: Rank ▾

Push to MDE Manage Labels



1 ...
elisabeth-ii-1959
Mixed material (Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574600121



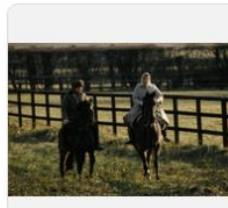
2 ...
King George VI and
Elizabeth II 1936
Mixed material (Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574500121



3 ...
king george vi princess
elizabeth princess...
Mixed material (Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574400121



4 ...
princess elizabeth
1934
Mixed material (Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574300121



5 ...
princess-anne-and-
queen-elizabeth-ii-...
Mixed material (Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574200121



6 ...
princess-elizabeth-and-



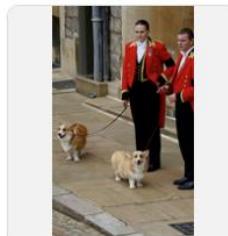
7 ...
princess-elizabeth-



8 ...
queen elizabeth ii 96th



9 ...
queen elizabeth ii in



10 ...
Queen-Elizabeth-corgis

METADATA ASSISTANT

Face Recognition & Tagging

Identify faces in images and group them by similarity.

Run Entity Recognition

Group Cataloging

Select records and edit shared fields using "Edit Records." ▾

Cataloging Status

The status reflects the collection cataloging process.

Mark As Done

Extract
and group
entities



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AI-Extracted Entities

[Summary](#)

[Viewer \(1\)](#)

[General Information](#)

[Bibliographic Record](#)

[Digital Representat... \(1\)](#)

[Collections \(1\)](#)

[Names \(2\)](#)

[Subjects \(1\)](#)

[Other Details](#)

[Quick Access](#)

elisabeth-ii-1959
By creator 1 (13 1)
MMS ID 99524574600121

Entities (3)
Showing 3 annotations

Untagged (3)

	Untagged Name
	Untagged Name
	Untagged Name

1 of 1 • elisabeth-ii-1959

Faces are recognized

Faces are extracted

AI-Driven Entity Clustering

Faces are grouped by similarities based on threshold

Tag These Persons (22)



+ More (6)

Find specific facet

File Extension

Titles for Review

Persons (Subject)

Persons (Creator/Contributor)

Material Type

Resource Type

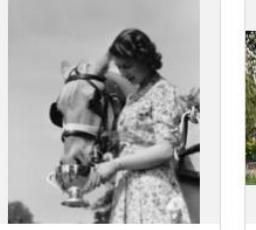
Language

Collections

Sort by: Rank

Secondary sort by: Rank

Collection: Queen Elizabeth II - Specto (1 - 35 of 35)

Rank	Image	Label	Details
1		elisabeth-ii-1959	Mixed material (Mixed mat... Creator / Imprint By creato... MMS ID 99524574600121
2		King George VI and Elizabeth II 1936	Mixed material (Mixed mat... Creator / Imprint By creato... MMS ID 99524574500121
3		king george vi princess elizabeth princess...	Mixed material (Mixed mat... Creator / Imprint By creato... MMS ID 99524574400121
4		princess elizabeth 1934	Mixed material (Mixed mat... Creator / Imprint By creato... MMS ID 99524574300121
5		princess-anne-and-	
6		princess-elizabeth-and-	
7		princess-elizabeth-	
8		queen elizabeth ii 96th	

Tag Recognized Faces

Entity Tagging

25 Untagged Person
25 Files in 25 Titles

Dismiss Entity

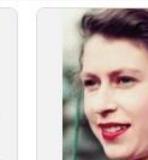
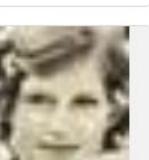
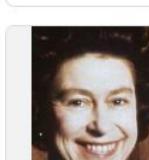
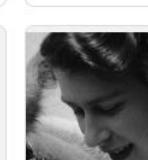
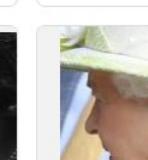
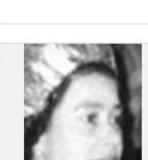
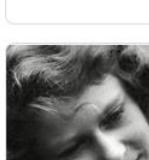
Tag all faces in this group with a name to enrich their title metadata

Link to Authority Without Linking

Name:

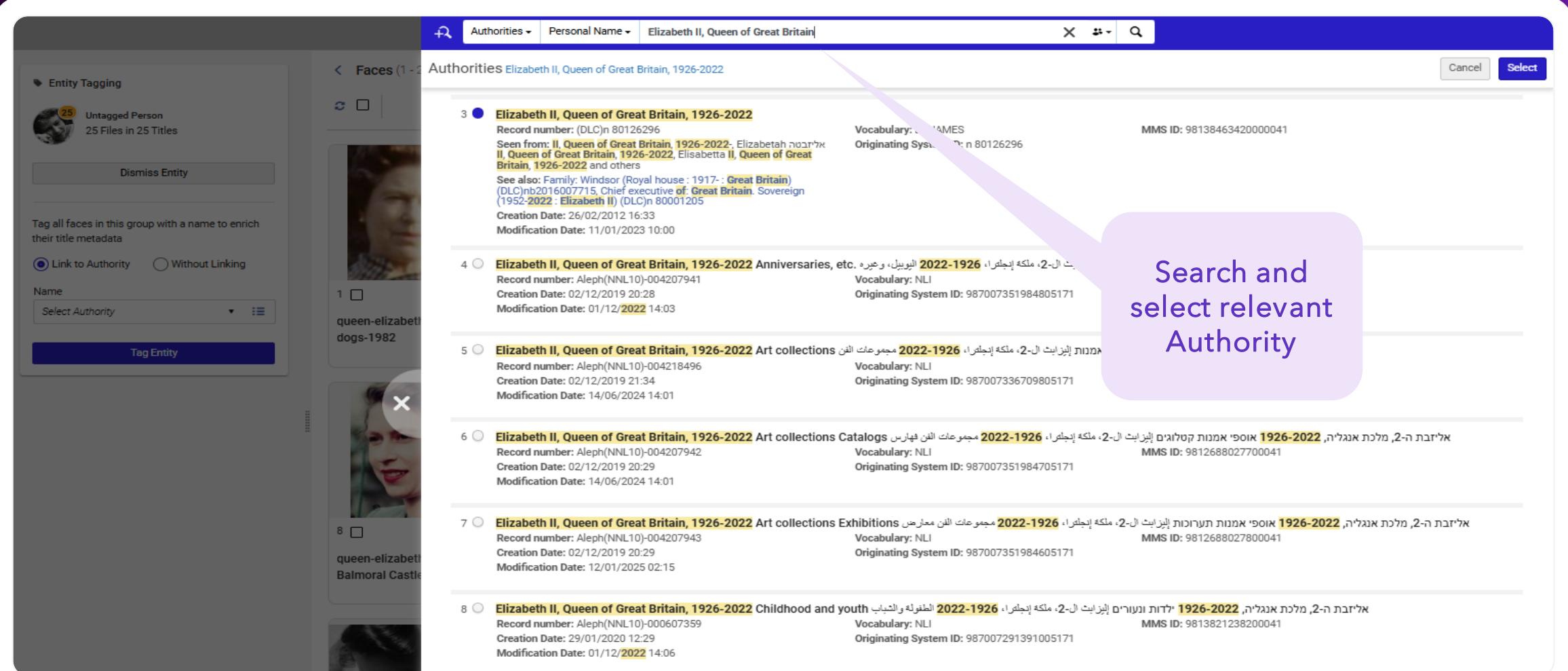
◀ Faces (1 - 25 of 25)

Remove from Group

...
							
1 <input type="checkbox"/> queen-elizabeth-ii-dogs-1982	2 <input type="checkbox"/> queen-elizabeth-ii-dogs Tatler photo shoot...	3 <input type="checkbox"/> queen-elizabeth-dorgi-candy	4 <input type="checkbox"/> queen-elizabeth-ii-and-prince-philip-on...	5 <input type="checkbox"/> queen-elizabeth-ii-pats-her-horse...	6 <input type="checkbox"/> princess elizabeth 1934	7 <input type="checkbox"/> queen-elizabeth-ii-with-her-winning-horse roy...	8 <input type="checkbox"/> queen-elizabeth-ii-dogs Balmoral Castle 1952
							
9 <input type="checkbox"/> queen-elizabeth-ii-watches-her-horse...	10 <input type="checkbox"/> star-weekly-p20-may-30-1953	11 <input type="checkbox"/> queen elizabeth ii 96th birthday with ponies...	12 <input type="checkbox"/> queen-elizabeth-ii-seen-horse-riding-in...	13 <input type="checkbox"/> Queen-Elizabeth-II-Corgi 1970	14 <input type="checkbox"/> queen-elizabeth-ii-dogs relaxing	15 <input type="checkbox"/> princess-elizabeth-feeds-a-horse-from-a...	16 <input type="checkbox"/> queen-elizabeth-ii-with-trainer-paul-nicholls
							
17 <input type="checkbox"/> Queen-Elizabeth-Dogs	18 <input type="checkbox"/> queen-elizabeth-ii-dogs	19 <input type="checkbox"/> queen-elizabeth-	20 <input type="checkbox"/> Queen-Elizabeth-II-	21 <input type="checkbox"/> queen-elizabeth-ii-dogs	22 <input type="checkbox"/> Queen-Elizabeth-Dogs-	23 <input type="checkbox"/> elisabeth-ii-1959	24 <input type="checkbox"/> queen-elizabeth-ii-

Link a group of persons to Authority

Link to Authority Record



The screenshot shows a digital library interface for managing entity tagging. On the left, a sidebar allows users to tag faces with names, currently set to 'Link to Authority'. The main area displays a list of found authorities for 'Elizabeth II, Queen of Great Britain, 1926-2022'. The first result is selected, showing detailed information: Record number (DLC) 80126296, Seen from: II, Queen of Great Britain, 1926-2022, Elizabeth II, Queen of Great Britain, 1926-2022, Elisabetta II, Queen of Great Britain, 1926-2022 and others. See also: Family: Windsor (Royal house : 1917- : Great Britain) (DLC) nb2016007715, Chief executive of: Great Britain. Sovereign (1952-2022 : Elizabeth II) (DLC) n 80001205. Creation Date: 26/02/2012 16:33, Modification Date: 11/01/2023 10:00. Vocabulary: NLI, Originating System ID: 98138463420000041, MMS ID: 98138463420000041. A callout bubble on the right contains the text 'Search and select relevant Authority'.

Authorities: Elizabeth II, Queen of Great Britain, 1926-2022

3 ● Elizabeth II, Queen of Great Britain, 1926-2022
Record number: (DLC) n 80126296
Seen from: II, Queen of Great Britain, 1926-2022, Elizabeth II, Queen of Great Britain, 1926-2022, Elisabetta II, Queen of Great Britain, 1926-2022 and others
See also: Family: Windsor (Royal house : 1917- : Great Britain) (DLC) nb2016007715, Chief executive of: Great Britain. Sovereign (1952-2022 : Elizabeth II) (DLC) n 80001205
Creation Date: 26/02/2012 16:33
Modification Date: 11/01/2023 10:00
Vocabulary: NLI
Originating System ID: 98138463420000041
MMS ID: 98138463420000041

4 ● Elizabeth II, Queen of Great Britain, 1926-2022 Anniversaries, etc.
Record number: Aleph(NNL10)-004207941
Creation Date: 02/12/2019 20:28
Modification Date: 01/12/2022 14:03
Vocabulary: NLI
Originating System ID: 987007351984805171

5 ● Elizabeth II, Queen of Great Britain, 1926-2022 Art collections
Record number: Aleph(NNL10)-004218496
Creation Date: 02/12/2019 21:34
Modification Date: 14/06/2024 14:01
Vocabulary: NLI
Originating System ID: 987007336709805171

6 ● Elizabeth II, Queen of Great Britain, 1926-2022 Art collections Catalogs
Record number: Aleph(NNL10)-004207942
Creation Date: 02/12/2019 20:29
Modification Date: 14/06/2024 14:01
Vocabulary: NLI
Originating System ID: 987007351984705171
MMS ID: 9812688027700041

7 ● Elizabeth II, Queen of Great Britain, 1926-2022 Art collections Exhibitions
Record number: Aleph(NNL10)-004207943
Creation Date: 02/12/2019 20:29
Modification Date: 12/01/2025 02:15
Vocabulary: NLI
Originating System ID: 987007351984605171
MMS ID: 9812688027800041

8 ● Elizabeth II, Queen of Great Britain, 1926-2022 Childhood and youth
Record number: Aleph(NNL10)-000607359
Creation Date: 29/01/2020 12:29
Modification Date: 01/12/2022 14:06
Vocabulary: NLI
Originating System ID: 987007291391005171
MMS ID: 9813821238200041

People Tagged

Summary
Viewer (1)
General Information
Bibliographic Record
Digital Representat... (1)
Collections (1)
Names (2)
Subjects (1)
Other Details

↳ Quick Access

queen-elizabeth-ronald-reagan 1982
By creator 32 (13 32)
MMS ID 99524571500121

Entities (2)

Showing 2 annotations

Untagged (1)

Untagged Name

Tagged (1)

Elizabeth II, Queen...



1 of 1 • queen-elizabeth-ronald-reagan 1982

Queen-Elizabeth-Dogs Sandringham
By creator 11 (13 11)
MMS ID 99524573600121

Entities (1)

Showing 1 annotation

Tagged (1)

Elizabeth II, Queen...



1 of 1 • Queen-Elizabeth-Dogs Sandringham

People are tagged

Metadata Automatically Updated with Authority Names

queen-elizabeth-ronald-reagan 1982

By creator 32 (13 32)

MMS ID 99524571500121



1 of 1 • queen-elizabeth-ronald-reagan 1982

queen-elizabeth-ronald-reagan 1982 (99524571500121)

Level [30]: [99] Senior librarian and close associates Record MARC21 Bib 02 - No cl... 54

LDR	00706npc#a2200289#a#4500
001	99524571500121
005	20250417163716.0
008	250409# eng#d
020	\$\$a 1111-1142
022	\$\$a issn32
024 8	\$\$a 9
035	\$\$a 1
041	\$\$a eng
100 1	\$\$a creator 32
245 0 0	\$\$a queen-elizabeth-ronald-reagan 1982
264 0	\$\$c 32 \$\$b 13
340	\$\$a 8
500	\$\$a desc 32
530	\$\$a 14
506	\$\$a 15
500	\$\$a bib custom field 2:bib field 1.2
500	\$\$a bib custom field:bib field 1.1
651 4	\$\$a 35
600 1 0	\$\$a Elizabeth \$\$b II, \$\$c Queen of Great Britain, \$\$d 1926-2022 \$\$v photographs
787	\$\$t Queen Elizabeth II - Specto
700	\$\$a contrib 32
786 0	\$\$a 16

Field 600 automatically updated for all relevant pictures

Object Recognition

Collection: Dogs & Cats (1 - 9 of 9)

Sort by: Rank Secondary sort by: Rank

Run a Job Add to Itemized Set Create Itemized Set Push to MDE Manage Labels

Rank	Image	Label	Description	MMS ID
1		Dogs & Cats 1	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179834001...
2		Dogs & Cats 9	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179833001...
3		Dogs & Cats 3	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179832001...
4		Dogs & Cats 2	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179831001...
5		Dogs & Cats 6	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179830001...
6		Dogs & Cats 5	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179829001...
7		Dogs & Cats 4	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179828001...
8		Dogs & Cats 8	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179827001...
9		Dogs & Cats 7	Mixed material (Mixed ... Creator / Imprint By cre...	MMS ID 996179826001...

Object Recognition

Entity Tagging

 **5** Untagged Person
5 Files in 5 Titles

[Dismiss Entity](#)

Tag all faces in this group with a name to enrich their title metadata

Link to Authority
 Without Linking

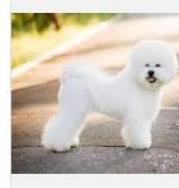
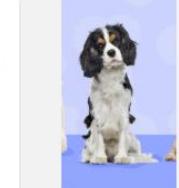
Name
[Select Authority](#) 

[Tag Entity](#)

Faces (1 - 5 of 5)

 [Remove from Group](#)   

...	1	2	3	4	5	...
	 1 <input type="checkbox"/> dog 8	 2 <input type="checkbox"/> dog 6	 3 <input type="checkbox"/> dog 7	 4 <input type="checkbox"/> dog 5	 5 <input type="checkbox"/> dog 9	

Object Recognition

The screenshot shows the ExLibris Alma QA interface. On the left, a sidebar lists various modules: Alma QA, Collection Development, Acquisitions, Resources, Discovery, Fulfillment, Admin, and Analytics. The main area is titled 'Entity Tagging' and shows a list of 'Faces (1 - 4 of 4)'. Each face is represented by a thumbnail, a number (1, 2, 3, 4), a checkbox, and three dots. The first three faces are labeled: 'Dog Car', 'Dog', and 'Dog Bicycle'. The fourth face is labeled 'Dog Pizza'. A summary section indicates 'Viewer(1)' and shows a detailed view of the 'Dog Bicycle' face. This detailed view includes a large image of a blue bicycle with a dog lying on the ground in front of it, and a smaller image of the same dog lying on the ground. A yellow box highlights the dog in the smaller image. Below the images, the text '1 of 1 • Dog Bicycle' is displayed. The top navigation bar includes search and filter options, a cart icon, and a 'Main Library - Main Circulation Desk' link. The bottom of the interface features a navigation bar with icons for Show MDE, Configuration, and other system functions.

Text



Extract & Group Entities

Screenshot of a library catalog interface showing a search results page for 'Einstein special collection'.

The interface includes a top navigation bar with search, home, and user icons, and a sidebar with facets for Entities (Faces, Objects, Text Mentions), File Extension, Language (English), and Publication Year.

The main content area displays 10 results under the heading 'Title (10)', sorted by title. Each result card includes a thumbnail image, a title, a description, and three action buttons (Edit, Delete, Details).

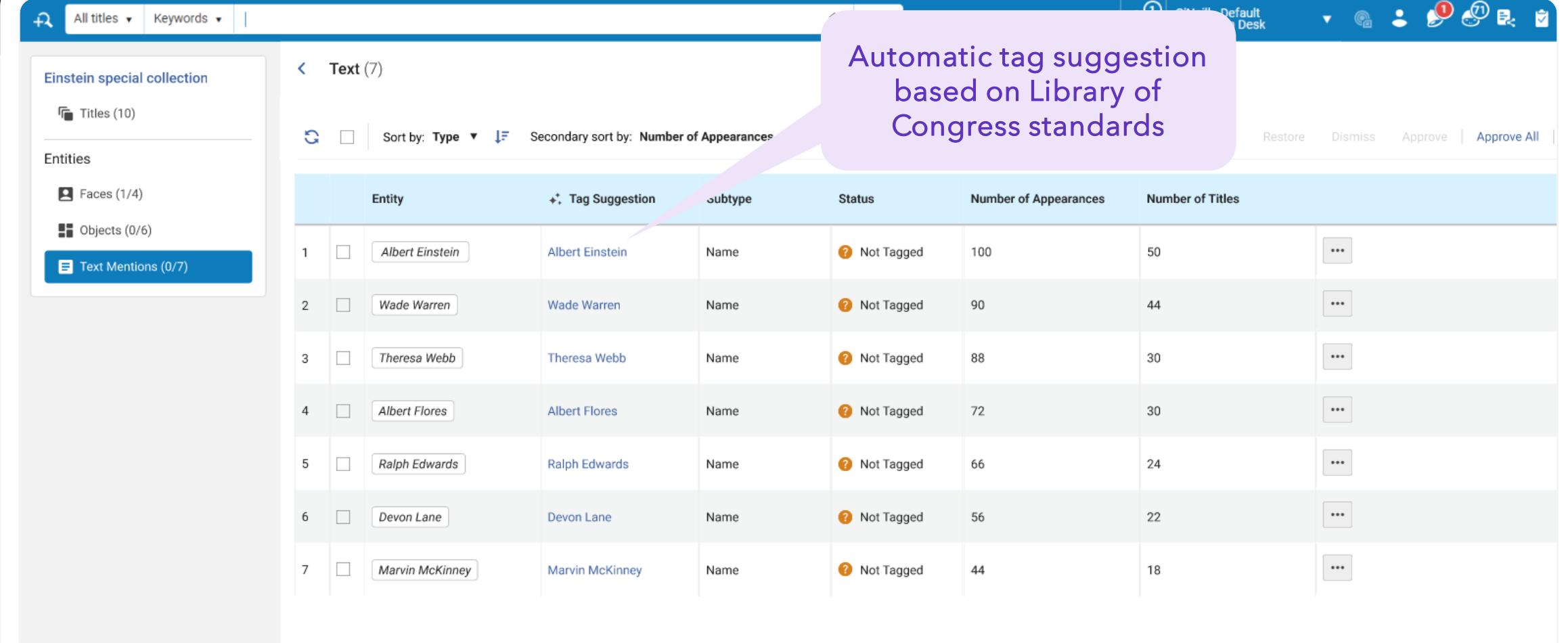
Faceted search results:

- 1 Einstein and his wife
- 2 Einstein's Letter to President Roosevelt
- 3 Nobel Prize-Winners
- 4 Letter to Dr. Chaim Weizmann
- 5 Albert Einstein with other engineers and sc...
- 6 Thank You Letter to Elementary School Stu...
- 7 Einstein's Refusal to Accept the Role of Pre...
- 8 Solvay Conference in 1927
- 9 Professor Albert Einstein at home
- 10 Albert Einstein Presenting General Rel...

A purple callout bubble on the right side of the interface contains the text: "Extract and group entities".

Entities Extracted & Grouped With Tagging Suggestion

Automatic tag suggestion based on Library of Congress standards



	Entity	Tag Suggestion	Subtype	Status	Number of Appearances	Number of Titles	
1	<input type="checkbox"/> Albert Einstein	Albert Einstein	Name	? Not Tagged	100	50	...
2	<input type="checkbox"/> Wade Warren	Wade Warren	Name	? Not Tagged	90	44	...
3	<input type="checkbox"/> Theresa Webb	Theresa Webb	Name	? Not Tagged	88	30	...
4	<input type="checkbox"/> Albert Flores	Albert Flores	Name	? Not Tagged	72	30	...
5	<input type="checkbox"/> Ralph Edwards	Ralph Edwards	Name	? Not Tagged	66	24	...
6	<input type="checkbox"/> Devon Lane	Devon Lane	Name	? Not Tagged	56	22	...
7	<input type="checkbox"/> Marvin McKinney	Marvin McKinney	Name	? Not Tagged	44	18	...

Tag Entity

All titles ▾ Keywords ▾

Entity Group Tagging

Albert Einstein

100 Mentions in 4 Titles

Dismiss Entity

Link all faces with a name and enrich their Titles' metadata with the name

Link to Authority

Without Linking

Name:

Einstein, Albert, 1879-1955 ▾

Tag Entity

“Albert Einstein” (4)

Sort by: Title ▾

Titles containing the entity's name

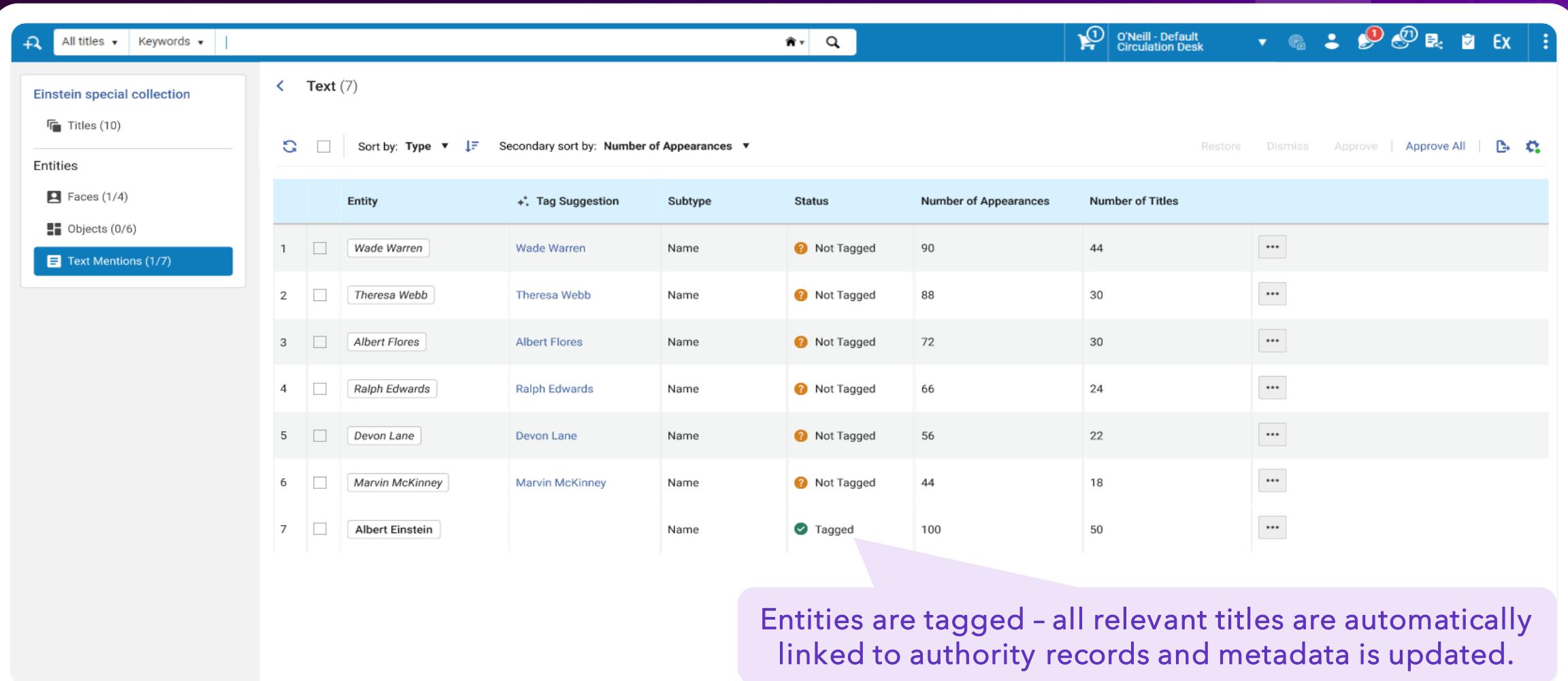
Rank	Title	Actions
1	Einstein's Letter to President Roosevelt - May 1940	View Details
2	Einstein's Refusal to Accept the Role of President of Israel - May 1948	View Details
3	Letter to Dr. Chaim Weizmann - May 19, 1948	View Details
4	Thank You Letter to Elementary School Students - May 1948	View Details

Tag Entity

The screenshot shows a digital library interface with a blue header bar. The header includes a search bar with 'All titles' and 'Keywords' dropdowns, a home icon, a magnifying glass icon, and a user icon. To the right of the header is the text 'O'Neill - Default Circulation Desk' and a series of small icons. The main content area is divided into several sections:

- Entity Group Tagging**: A sidebar on the left shows a box for 'Albert Einstein' with a count of '100 Mentions in 4 Titles'. Below this are buttons for 'Dismiss Entity', 'Link to Authority' (selected), 'Without Linking', and a dropdown menu for 'Name' set to 'Einstein, Albert, 1879-1955'. A large blue button at the bottom says 'Tag Entity'.
- "Albert Einstein" (4)**: A list of four document thumbnails. Item 1: 'Einstein's Letter to President Roosevelt - August 2, 1939'. Item 2: 'Einstein's Refusal to Accept the Role of President of Is...'. Item 3: 'Letter to Dr. Chaim Weizmann - May 19, 1948'. Item 4: 'Thank You Letter to Elementary School Stu...'. Each item has a checkbox and three small icons.
- Einstein's Letter to President Roosevelt - August 2, 1939**: A detailed view of the first document. It shows the letter's header, text, and a signature. A callout bubble with the text 'Search for entity in the title' points to the title of this document.
- Pending tagging (2 files)**: A sidebar showing a list of entities to be tagged. It includes 'Albert Einstein' (selected), 'Untagged (6)', 'Peconic, New York', 'Franklin D. Roosevelt', 'Washington, D.C.', 'Enrico Fermi', and 'Leo Szilard'. Each entity has a small icon and a checkbox.
- Document Preview**: A large preview window on the right shows the full text of the Einstein letter to Roosevelt. It includes the recipient's address, the date 'August 2nd, 1939', and the letter's content. A callout bubble with the text 'Tag entity with suggested name' points to the 'Albert Einstein' entry in the pending tagging list.

Automatic Linking to Authority Records

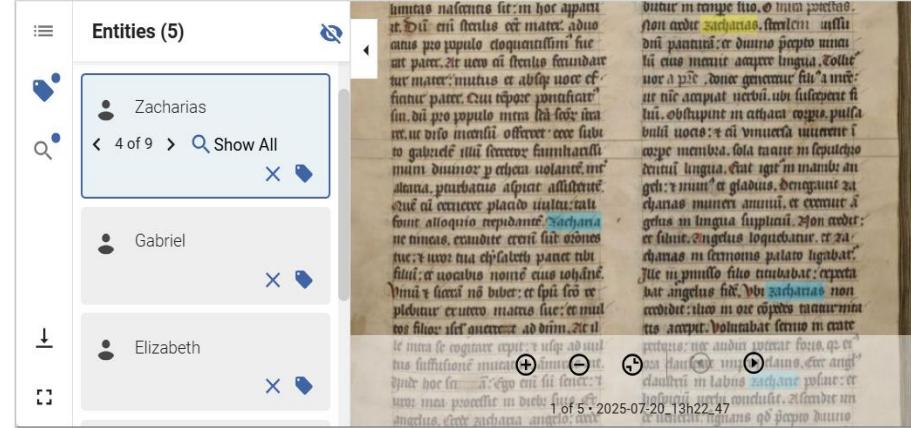


The screenshot shows a library catalog interface with a sidebar and a main content area. The sidebar on the left is titled 'Einstein special collection' and lists 'Titles (10)', 'Faces (1/4)', 'Objects (0/6)', and 'Text Mentions (1/7)', with 'Text Mentions' being the active tab. The main content area is titled 'Text (7)' and displays a table of entities. The table columns are: Entity, Tag Suggestion, Subtype, Status, Number of Appearances, and Number of Titles. The data in the table is as follows:

	Entity	Tag Suggestion	Subtype	Status	Number of Appearances	Number of Titles
1	<input type="checkbox"/> Wade Warren	Wade Warren	Name	Not Tagged	90	44
2	<input type="checkbox"/> Theresa Webb	Theresa Webb	Name	Not Tagged	88	30
3	<input type="checkbox"/> Albert Flores	Albert Flores	Name	Not Tagged	72	30
4	<input type="checkbox"/> Ralph Edwards	Ralph Edwards	Name	Not Tagged	66	24
5	<input type="checkbox"/> Devon Lane	Devon Lane	Name	Not Tagged	56	22
6	<input type="checkbox"/> Marvin McKinney	Marvin McKinney	Name	Not Tagged	44	18
7	<input type="checkbox"/> Albert Einstein		Name	Tagged	100	50

A callout bubble in the bottom right corner states: 'Entities are tagged - all relevant titles are automatically linked to authority records and metadata is updated.'

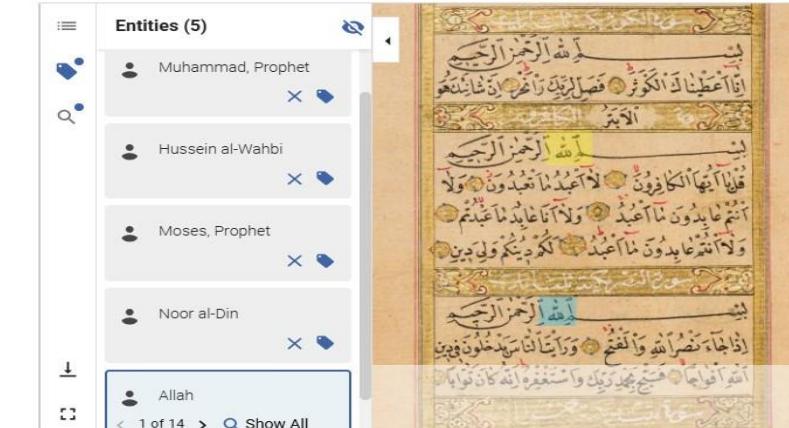
Extracting Entities in Multiple Languages



Entities (5)

- Zacharias
- Gabriel
- Elizabeth

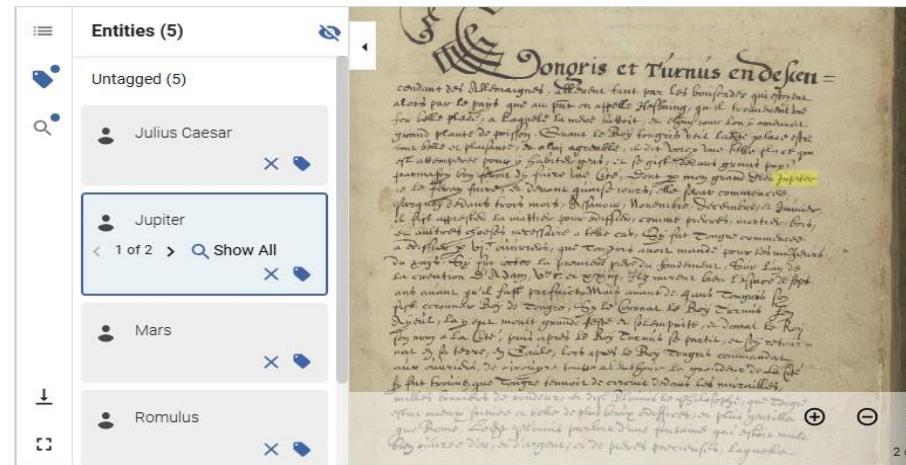
1 of 5 2025-07-20 13h22,47



Entities (5)

- Muhammad, Prophet
- Hussein al-Wahbi
- Moses, Prophet
- Noor al-Din
- Allah

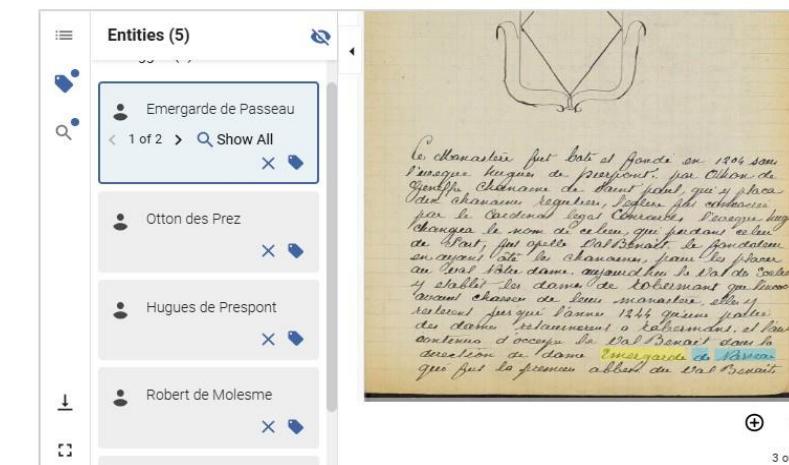
1 of 14



Entities (5)

- Julius Caesar
- Jupiter
- Mars
- Romulus

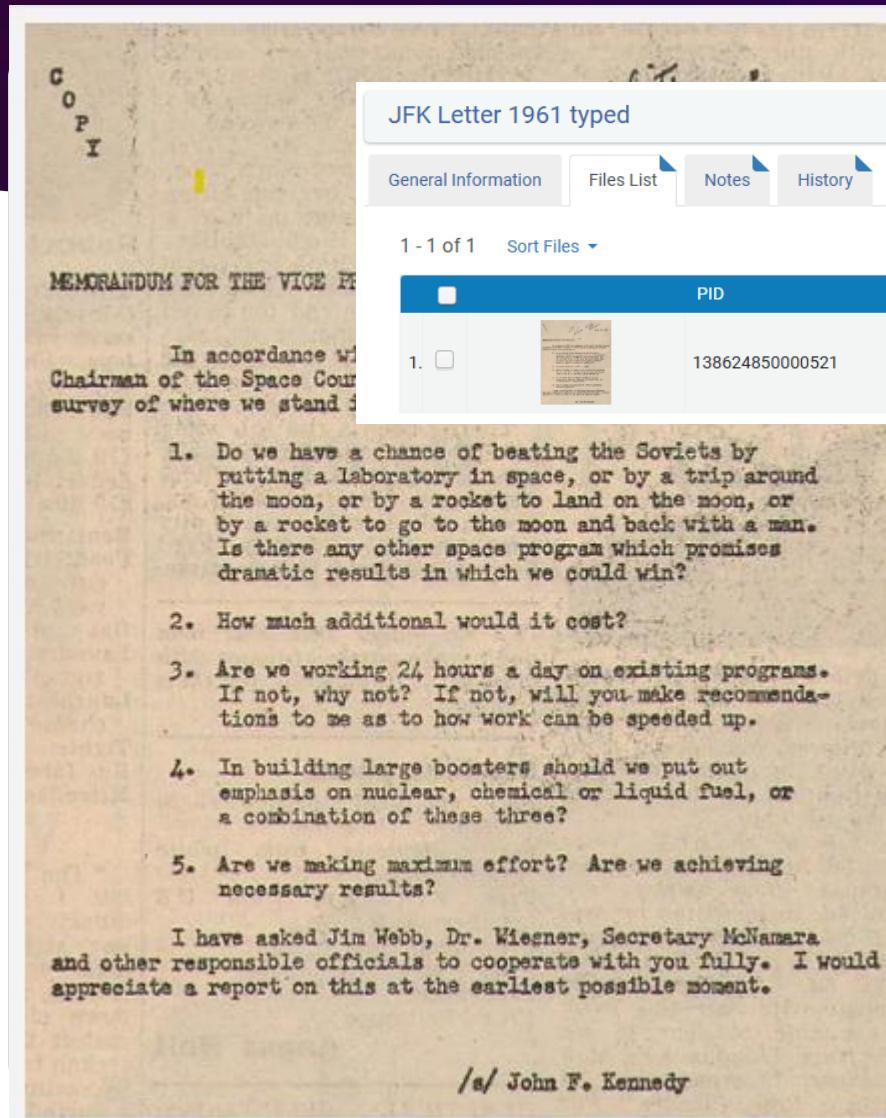
1 of 2



Entities (5)

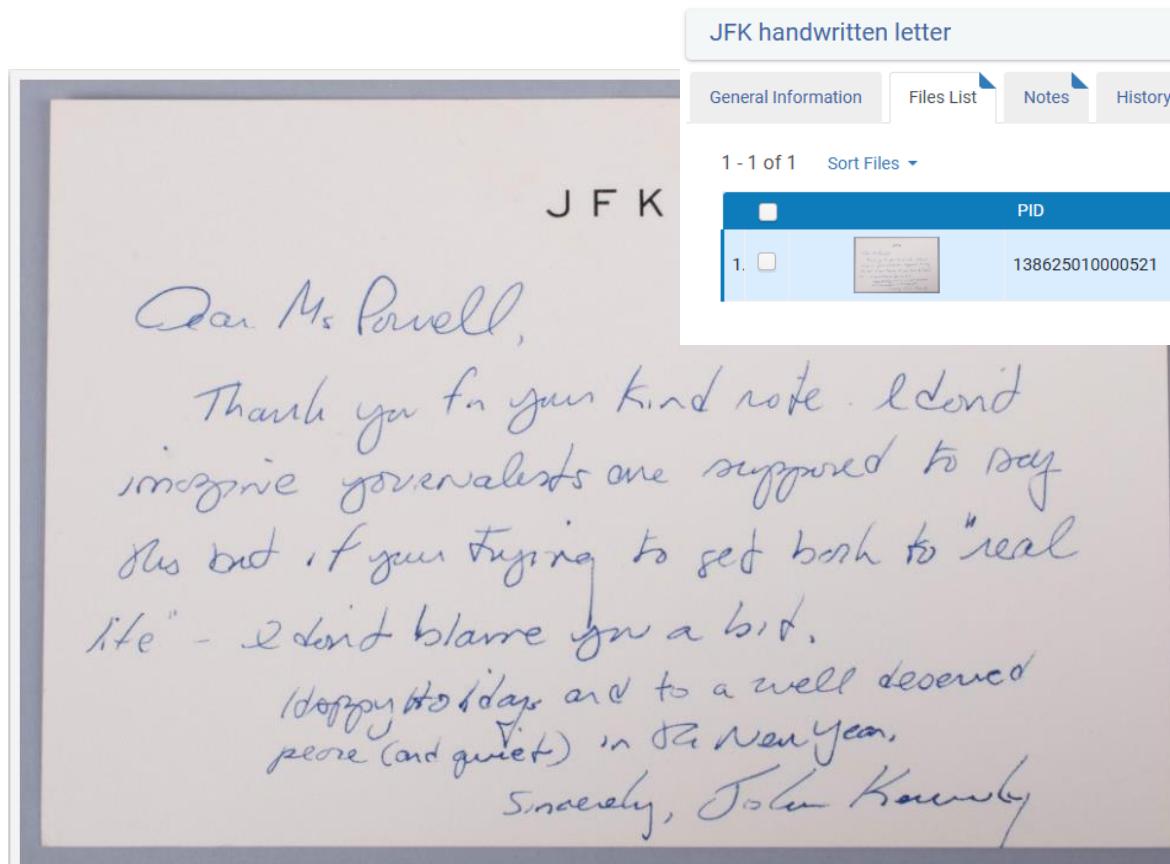
- Emergarde de Passeau
- Otton des Prez
- Hugues de Prespont
- Robert de Molesme

2 of 17



JFK Letter 1961 typed						
General Information		Files List	Notes	History	Actions	
1 - 1 of 1 Sort Files ▾		+ Add Files Delete Selected Download All				
PID	Creation Date	File Name	Label	Size	Fulltext	Actions
1. <input type="checkbox"/> 	138624850000521	JFK Letter 1961 typed.jpg	JFK Letter 1961 typed	128.94 KB	ALTO 	...

April 20, 1961 MEMORANDUM FOR THE VICE PRESIDENT In accordance with our conversation I would like for you as Chairman of the Space Council to be in charge of making an overall survey of where we stand in space. 1. Do we have a chance of beating the Soviets by putting a laboratory in space, or by a trip around the moon, or by a rocket to land on the moon, or by a rocket to go to the moon and back with a man. Is there any other space program which promises dramatic results in which we could win? 2. How much additional would it cost? 3. Are we working 24 hours a day on existing programs. If not, why not? If not, will you make recommendations to me as to how work can be speeded up. 4. In building large boosters should we put out emphasis on nuclear, chemical or liquid fuel, or a combination of these three? 5. Are we making maximum effort? Are we achieving necessary results? I have asked Jim Webb, Dr. Wiesner, Secretary McNamara and other responsible officials to cooperate with you fully. I would appreciate a report on this at the earliest possible moment. /s/ John F. Kennedy



JFK handwritten letter						
General Information	Files List	Notes	History			
1 - 1 of 1 Sort Files ▾						
	PID	Creation Date	File Name	Label	Size	Fulltext
1. <input type="checkbox"/>	138625010000521	06/12/2025 14:04:58 IDT	JFK handwritten letter.jpg	JFK handwritten letter	414.50 KB	ALTO

JFK Car Ms Powell , Thank you for your kind note I don't imagine Journalists are supposed to say This but if you trying to get back to "real life" - I don't blame you a bit. Happy Holidays and to a well deserved plore (and quiet) in The New Year, Sincerely, John Kaly

AI Metadata Enrichment



Enriching Metadata with GenAI

User Review & Approval

Allowing users to review and approve metadata

Merge with Existing Metadata

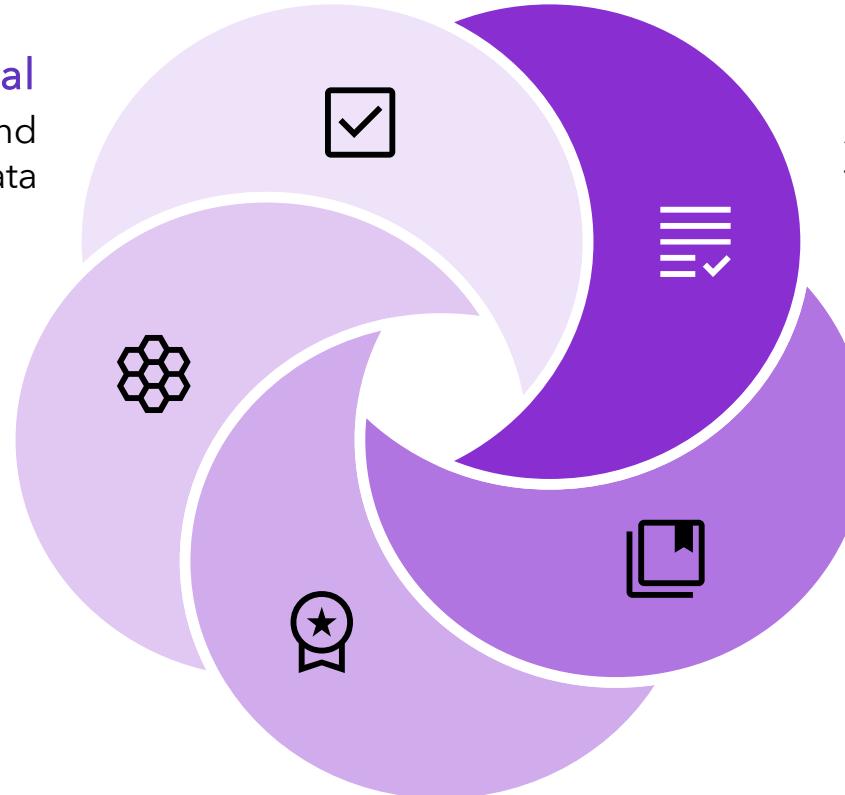
Keeping important information

Prompt Selection

Automatic selection based on title type and bibliographic format

Context Enrichment

Adding context for better accuracy



Validation & Normalization

Ensuring high-quality metadata

Metadata enrichment



LDR	#####npc#a22#####a#4500
001	9925013800521
008	250612#####und#d
245 0 0	\$\$a queen-elizabeth-ronald-reagan 1982
520	\$\$a This photograph captures Queen Elizabeth II and President Ronald Reagan riding horses together during a public appearance in 1982. The image highlights their shared interest in equestrianism and symbolizes the diplomatic relationship between the United States and Great Britain during the late 20th century. \$\$7 Generated by AI
588	\$\$a Part of the metadata in this record was created with the help of AI Metadata Assistant
650 0 0	\$\$a Equestrianism \$\$x History \$\$v Photographs
651 0 0	\$\$a United States \$\$x Relations with Great Britain \$\$y 20th century \$\$v Photographs
651 0 0	\$\$a Great Britain \$\$x Relations with the United States \$\$y 20th century \$\$v Photographs
600 1 0	\$\$a Elizabeth \$\$d 1926-2022 \$\$c Queen of Great Britain \$\$x Public appearances \$\$v Photographs
600 1 0	\$\$a Reagan, Ronald \$\$d 1911-2004 \$\$x Public appearances \$\$v Photographs
655 7	\$\$a Photographs \$\$2 Icgft
787	\$\$t Queen Elizabeth II - Spectro Test
787	\$\$w 818599990000521

Enriched fields
marked in
purple

Metadata enrichment

Albert Einstein
Old Grove Rd.
Nassau Point
Peconic, Long Island
August 2nd, 1939

F.D. Roosevelt,
President of the United States,
White House
Washington, D.C.

Sir:

Some recent work by E. Fermi and L. Szilard, which has been communicated to me in manuscript, leads me to expect that the element uranium may be turned into a new and important source of energy in the immediate future. Certain aspects of the situation which has arisen seem to call for watchfulness and, if necessary, quick action on the part of the Administration. I believe therefore that it is my duty to bring to your attention the following facts and recommendations:

In the course of the last four months it has been made probable - through the work of Joliot in France as well as Fermi and Szilard in America - that it may become possible to set up a nuclear chain reaction in a large mass of uranium, by which vast amounts of power and large quantities of new radium-like elements would be generated. Now it appears almost certain that this could be achieved in the immediate future.

This new phenomenon would also lead to the construction of bombs, and it is conceivable - though much less certain - that extremely powerful bombs of a new type may thus be constructed. A single bomb of this type, carried by boat and exploded in a port, might very well destroy the whole port together with some of the surrounding territory. However, such bombs might very well prove to be too heavy for transportation by air.

LDR	00205npc#a2200085#a#4500
001	9925000100521
005	20250617145345.0
008	250612#####und##
041	\$\$a eng
100 1	\$\$a Einstein, Albert, \$\$d 1879-1955 \$\$e author.
245 0 0	\$\$a Einstein Letter
264 1	\$\$a Peconic, Long Island : \$\$c 1939.
520	\$\$a This letter, written by Albert Einstein to President Franklin D. Roosevelt on August 2, 1939, discusses recent scientific developments by E. Fermi and L. Szilard regarding the potential for nuclear chain reactions in uranium and the implications for energy production and weaponry. Einstein urges the U.S. government to take action, highlighting the possibility of constructing powerful bombs and the need for vigilance in the face of these advancements. \$\$7 Generated by AI
588	\$\$a Part of the metadata in this record was created with the help of AI Metadata Assistant
650 0 0	\$\$a Nuclear energy \$\$x History \$\$y 20th century.
650 0 0	\$\$a Nuclear weapons \$\$x Development \$\$y 20th century.
600 1 0	\$\$a Einstein, Albert, \$\$d 1879-1955 \$\$x Correspondence.
600 1 0	\$\$a Roosevelt, Franklin D., \$\$d 1882-1945 \$\$x Correspondence.
600 1 0	\$\$a Fermi, Enrico, \$\$d 1901-1954.
600 1 0	\$\$a Szilard, Leo.
751 1 0	\$\$a Peconic Estuary (N.Y.)
751 1 0	\$\$a Washington (D.C.)
787	\$\$t Einstein - Spectro Test

Enriched fields
marked in
purple

Online Exhibition



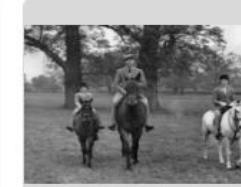
Mark Titles for Exhibition in Alma Specto

< Titles (1 - 39 of 39)

Sort by: Rank ▾ Secondary sort by: Rank ▾

Mark for Exhibition Unmark from Exhibition

5 rows selected Clear Selection

 1 <input checked="" type="checkbox"/> ... elisabeth-ii-1959 MMS ID 99250195005... 	 2 <input type="checkbox"/> ... King George VI and Elizabeth II 1936 MMS ID 99250193005... 	 3 <input checked="" type="checkbox"/> ... king george vi princess elizabeth... MMS ID 99250191005... 	 4 <input type="checkbox"/> ... princess elizabeth 1934 MMS ID 99250189005... 	 5 <input checked="" type="checkbox"/> ... princess-anne-and- queen-elizabeth-ii... MMS ID 99250187005... 	 6 <input type="checkbox"/> ... princess-elizabeth- and-princess-... MMS ID 99250186005... 
 8 <input type="checkbox"/> ... queen elizabeth ii 96th birthday with... 	 9 <input checked="" type="checkbox"/> ... queen elizabeth ii in ride with terry... 	 10 <input type="checkbox"/> ... Queen-Elizabeth- corgis 	 11 <input type="checkbox"/> ... Queen-Elizabeth- Dogs Sandringham 	 12 <input type="checkbox"/> ... Queen-Elizabeth- Dogs-Life-In-... 	 13 <input type="checkbox"/> ... queen-elizabeth- dorgi-candy 

Mark relevant titles for exhibition in Alma Specto

Digital Titles Instantly Available on Wix Exhibition Platform

CMS > Collection Items

Collection Items APP COLLECTION

[Default view](#) 10 items, 1 Sort [+ New View](#)

Titles are automatically imported in Wix - Exhibition Tool

[More Actions](#) [+ Add Item](#)

Default view [Table](#) [Refresh order](#) [Manage Fields](#) [Sort 1](#) [Filter](#) [Mirror on Site](#) [Search](#)

<input type="checkbox"/>	Title	ID	Description	Date	ImageUrl
1	Queen Elizabeth and her dogs, 1936	7959288310000121	The image showcases the early years of Queen Elizabeth and her relationship with ...	Jan 1, 1936	
2	The childhood days of the Queen	7959288330000121	This black and white photograph captures a family moment from 1940, featuring th...	Jan 1, 1940	
3	Queen Elizabeth II with her dog at Balmoral Castle, 1952	7959288230000121	This is a colorful photograph taken in 1952 at Balmoral Castle, featuring Queen Elizabeth II with one of her dogs. The image captures a serene moment in a garden setting, surrounded by vibrant flowers and greenery.	Jan 1, 1952	
4	Queen Elizabeth II and Prince Philip on horseback, 1971	7959288340000121	This colorful image captures a woman in a green dress adorned with pearls and a b...	Jan 1, 1971	
5	Queen Elizabeth II with dogs relaxing	7959288220000121	This colorful image captures a woman in a green dress adorned with pearls and a b...	Jan 1, 1980	
6	Queen Elizabeth and Ronald Reagan horseback riding, 1982	7959288360000121	This image captures a moment from 1982 featuring Queen Elizabeth and Ronald R...	Jan 1, 1982	
7	Queen Elizabeth II with her dogs in 1982	7959288180000121	This image depicts Queen Elizabeth II standing outdoors in a garden setting, acco...	May 7, 1982	
8	Queen Elizabeth with dogs at Sandringham.	7959288140000121	This colorful photograph captures Queen Elizabeth II standing in a garden at Sandr...	Jan 1, 1983	
9	Queen Elizabeth II pats her horse Balmoral Erica, 2014	7959288450000121	This colorful photograph captures Queen Elizabeth II gently patting her horse, Bal...	Jan 1, 2014	
10	Queen Elizabeth II with New Zealand All Blacks rugby tea...	7959288400000121	This image depicts Queen Elizabeth II in a formal setting, surrounded by members ...	Jan 1, 2018	

[+ Add Item](#)

Dynamic Titles Display Based on Chosen Template

Titles are automatically displayed based on selected template



The childhood days of the Queen

1940-01-01

This black and white photograph captures a family moment from 1940, featuring the Queen at age 14, alongside her sister Margaret, father George VI, and the present queen mother. The image is made more

Queen Elizabeth and her dogs, 1936

1936-01-01

The image showcases the early years of Queen Elizabeth and her relationship with her beloved dogs. This black and white photograph is part of a collection titled 'Queen-Elizabeth-Dogs-Life-In-Pictures 1936'. It captures a young girl holding a dog in her ...

[Read More](#)

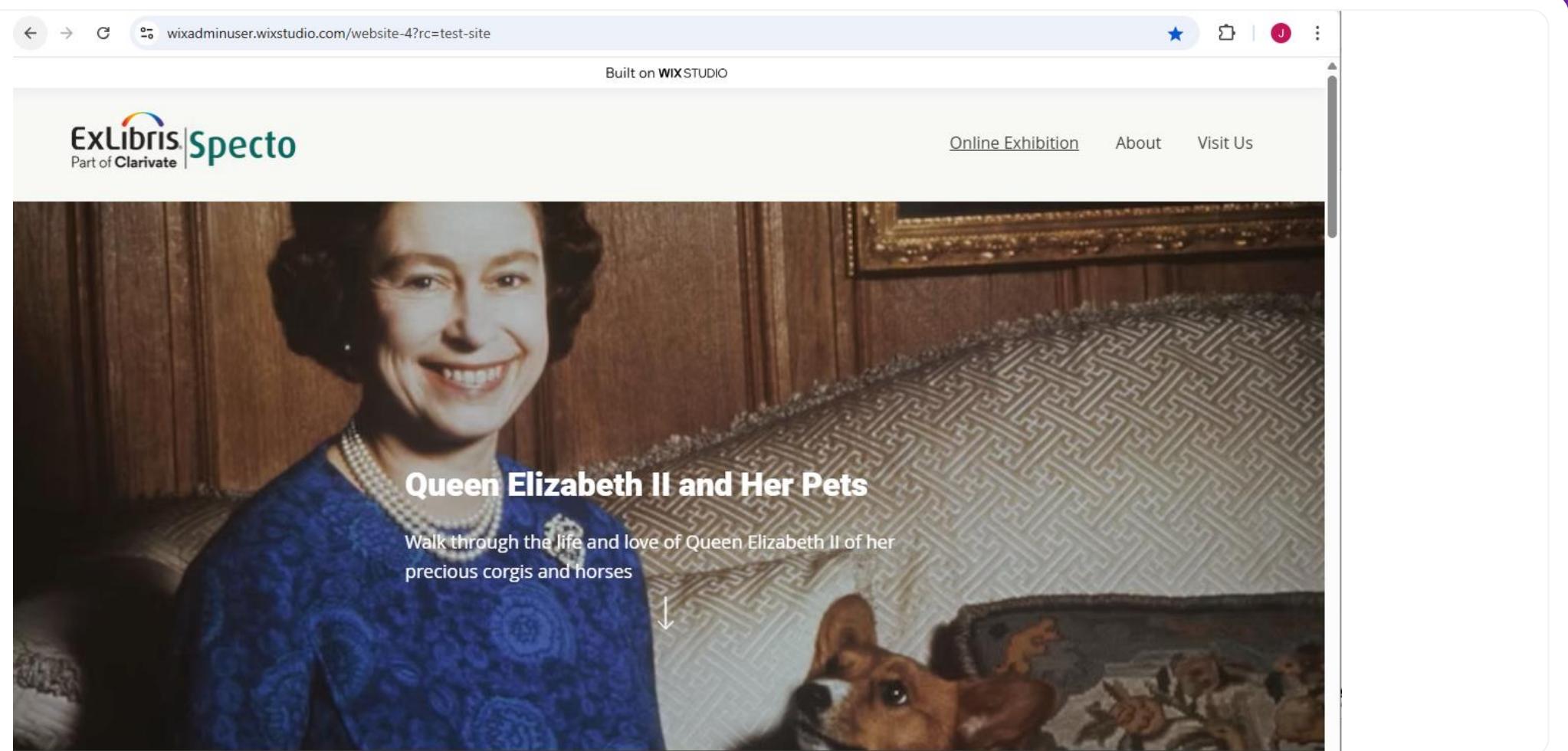


Information like description, titles, years displayed based on Metadata information

Personalize the Exhibition Website Easily

The screenshot shows the Wix website editor interface. On the left, the 'Site Styles' panel is open, showing the 'Colors' tab with several color swatches and their corresponding hex codes. A purple callout bubble with the text 'Change the style' points to this panel. In the center, there is a content item featuring a heading and a description. The heading reads: 'Queen Elizabeth II with New Zealand All Blacks rugby team and dogs'. The description below it starts with: 'This image depicts Queen Elizabeth II in a formal setting, surrounded by members of the New Zealand All Blacks rugby team. The scene is ...'. A purple callout bubble with the text 'Change the description' points to the description text. On the right, the 'Design' panel is open, showing various styling options like 'Fill color & opacity', 'Background', 'Border', 'Corners', and 'Shadow'. A purple callout bubble with the text 'Change the design' points to the 'Background' section. The top of the screen shows the Wix interface with tabs like 'Online Exhib...', 'Autosave on', and 'Upgrade', along with a preview window and a 'Publish' button.

Publish Your Exhibition Site to Showcase Digital Collections

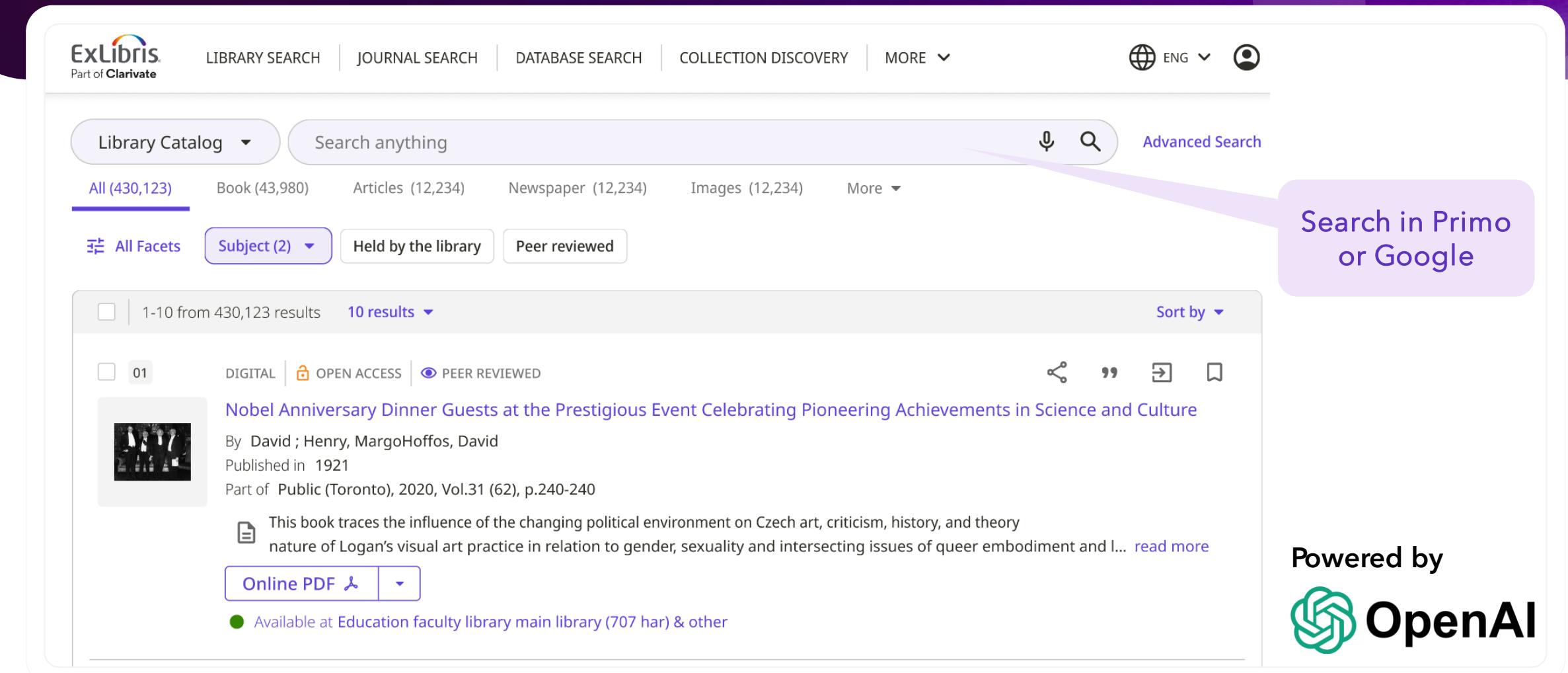


The screenshot shows a website built on WIX STUDIO. The header features the ExLibris Specto logo, which is part of Clarivate, and the text "Built on WIX STUDIO". The navigation menu includes "Online Exhibition", "About", and "Visit Us". The main content area features a large image of Queen Elizabeth II smiling, wearing a blue dress and a pearl necklace. Below the image, the text "Queen Elizabeth II and Her Pets" is displayed in bold. A subtitle reads "Walk through the life and love of Queen Elizabeth II of her precious corgis and horses". In the bottom right corner of the image, a small corgi dog is visible. The website URL in the browser is "wixadminuser.wixstudio.com/website-4?rc=test-site".

Next Delivery Experience



Improved Discoverability Through SEO



Ex Libris
Part of Clarivate

LIBRARY SEARCH | JOURNAL SEARCH | DATABASE SEARCH | COLLECTION DISCOVERY | MORE ▾

ENG | Advanced Search

Library Catalog ▾ | Search anything | Advanced Search

All (430,123) | Book (43,980) | Articles (12,234) | Newspaper (12,234) | Images (12,234) | More ▾

All Facets | Subject (2) ▾ | Held by the library | Peer reviewed

1-10 from 430,123 results | 10 results ▾ | Sort by ▾

01 | DIGITAL | OPEN ACCESS | PEER REVIEWED

 Nobel Anniversary Dinner Guests at the Prestigious Event Celebrating Pioneering Achievements in Science and Culture

By David ; Henry, MargoHoffos, David
Published in 1921
Part of Public (Toronto), 2020, Vol.31 (62), p.240-240

This book traces the influence of the changing political environment on Czech art, criticism, history, and theory
nature of Logan's visual art practice in relation to gender, sexuality and intersecting issues of queer embodiment and l... [read more](#)

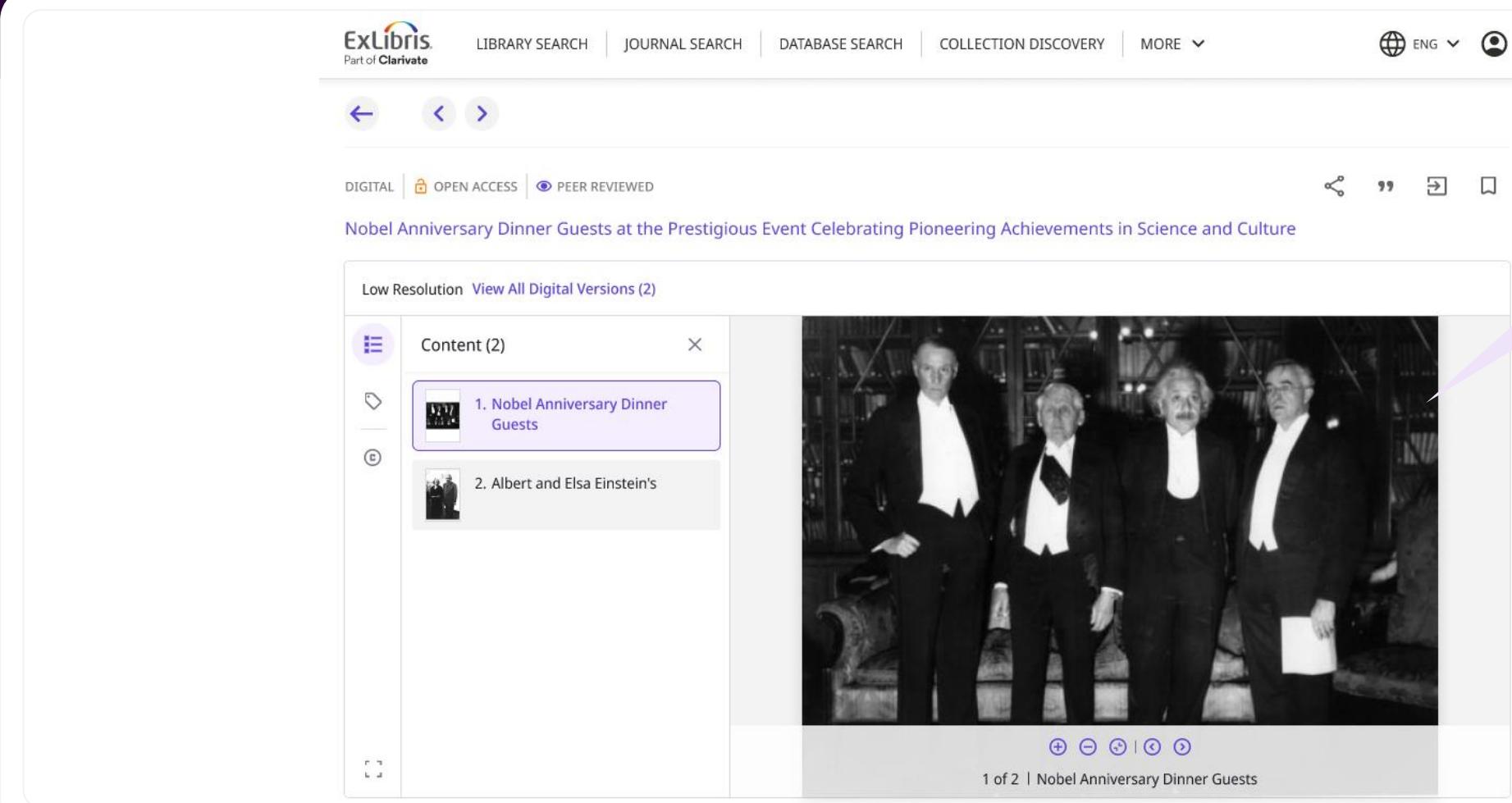
Online PDF ▾

Available at Education faculty library main library (707 har) & other

Search in Primo or Google

Powered by
 OpenAI

NDE - Next-Gen Viewer for Digital Content



The screenshot shows the Ex Libris NDE viewer interface. At the top, there is a navigation bar with links for LIBRARY SEARCH, JOURNAL SEARCH, DATABASE SEARCH, COLLECTION DISCOVERY, and MORE. The language is set to ENG. Below the navigation bar, there are buttons for navigating through digital content: a double left arrow, a single left arrow, a single right arrow, and a double right arrow. Underneath these are filters for DIGITAL, OPEN ACCESS, and PEER REVIEWED. The main content area displays a title: "Nobel Anniversary Dinner Guests at the Prestigious Event Celebrating Pioneering Achievements in Science and Culture". Below the title, there is a section titled "Low Resolution" with a link to "View All Digital Versions (2)". A sidebar on the left is titled "Content (2)" and lists two items: "1. Nobel Anniversary Dinner Guests" and "2. Albert and Elsa Einstein's". The main content area features a large black and white photograph of four men in formal attire standing together. Below the photograph, there are navigation icons for zooming in and out, and a caption that reads "1 of 2 | Nobel Anniversary Dinner Guests". A purple callout bubble on the right side of the screen contains the text "New integrated viewer".

NDE - AI-Powered Entity Recognition for Images

ExLibris
Part of Clarivate

LIBRARY SEARCH | JOURNAL SEARCH | DATABASE SEARCH | COLLECTION DISCOVERY | MORE ▾

ENG |

◀ ▶

DIGITAL | OPEN ACCESS | PEER REVIEWED

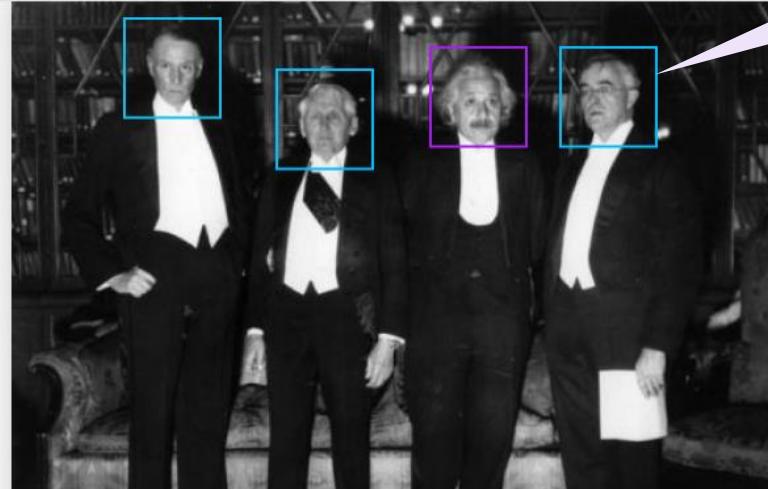
Nobel Anniversary Dinner Guests at the Prestigious Event Celebrating Pioneering Achievements in Science and Culture

Low Resolution [View All Digital Versions \(2\)](#)

Entities (4)

- Sinclair Lewis
- Frank Kellogg
- Albert Einstein
- Irving Langmuir

Face are recognized



1 of 2 | Nobel Anniversary Dinner Guests

NDE - Identify Entities in Historical Documents

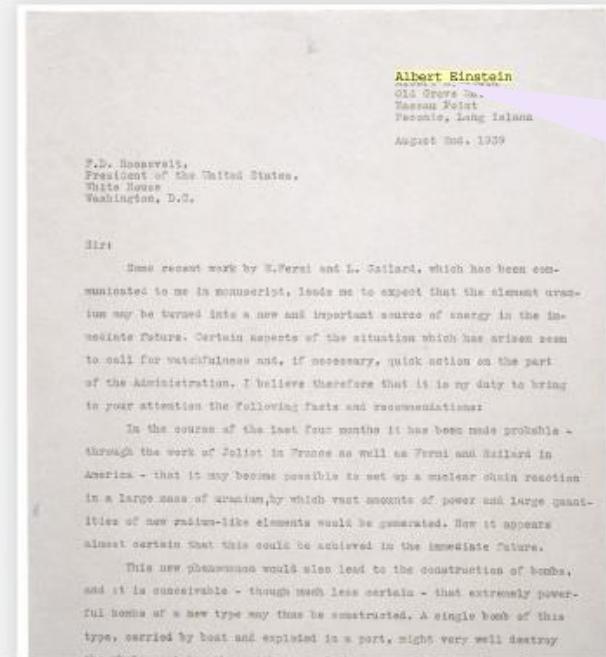
Einstein's Letter to President Roosevelt

Low Resolution [View All Digital Versions \(2\)](#)

Entities (6)

- Albert Einstein
- Peconic, New York
- Franklin D. Roosevelt
- Washington, D.C.
- Enrico Fermi
- Leo Szilard

Search for specific entity in the document

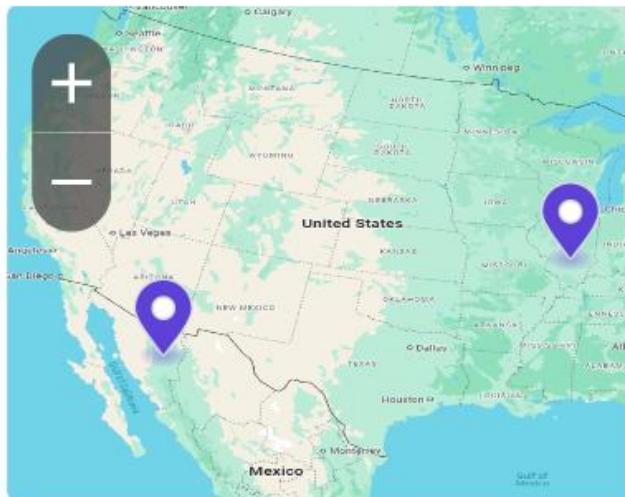


1 of 2 | Einstein's Letter to President Roosevelt - August 2, 1939

Specific entity is highlighted in the documents

NDE - Automatic Linking Between Entities

PLACES (2)



RELATED PEOPLE



Sinclair Lewis

1885 – 1951

American author

Person

RELATED READING

Recommended items that are related to the record

Suggested by **bx**



Geographical imaginations : literature and the 'spatial turn' ↗

Advances in space research., Vol. 68(6), p. 2488-2500



Architectural Identities

Andrea Tange



Geographical imaginations : literature and the 'spatial turn' ↗

Advances in space research., Vol. 68(6), p. 2488-2500

More suggestions ↘

Link to related people, places and other entities based on enriched metadata

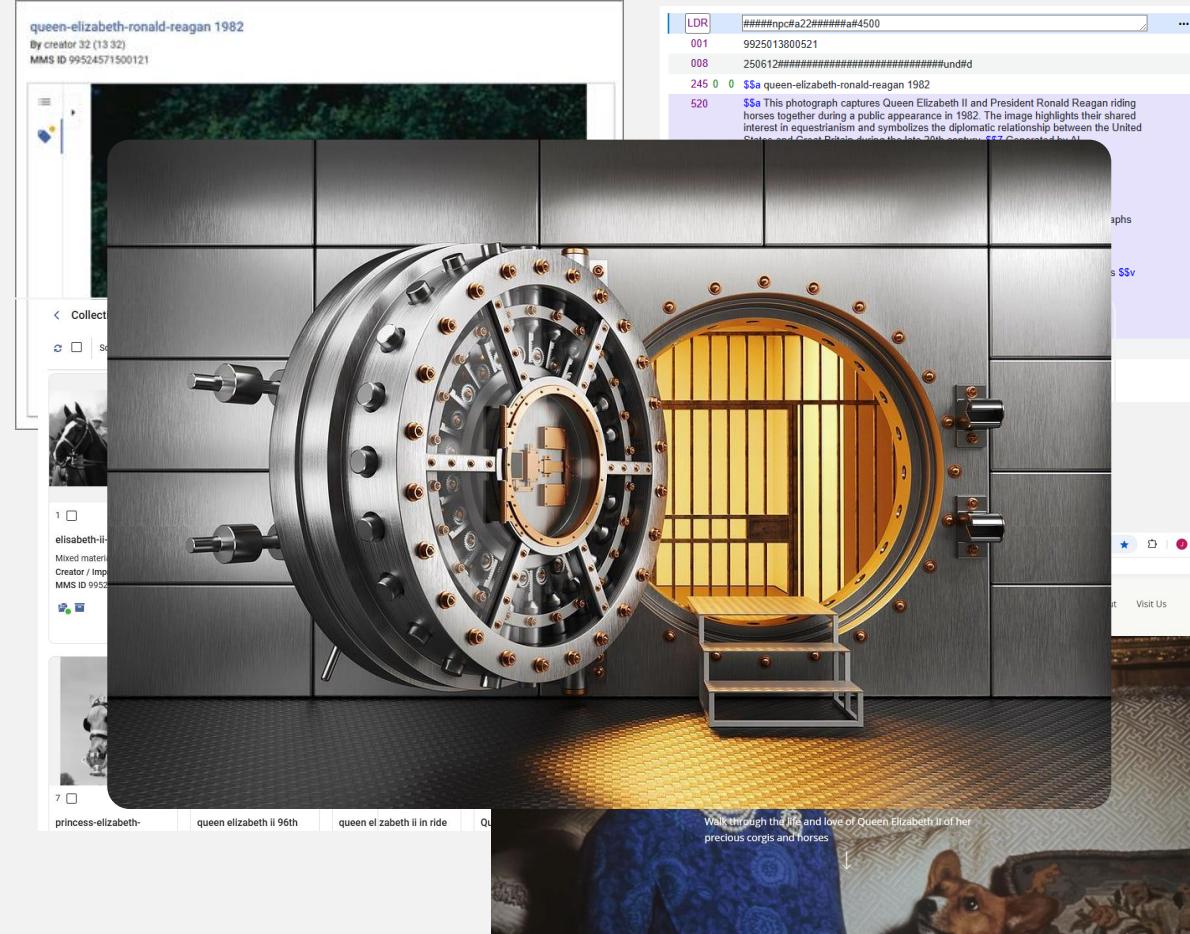
Specto Preservation



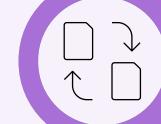
Specto Preservation



Specto Preservation



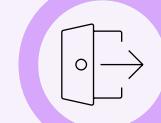
Identifying and fixing files at risk



Migrating files to updated formats



Recording all provenance data

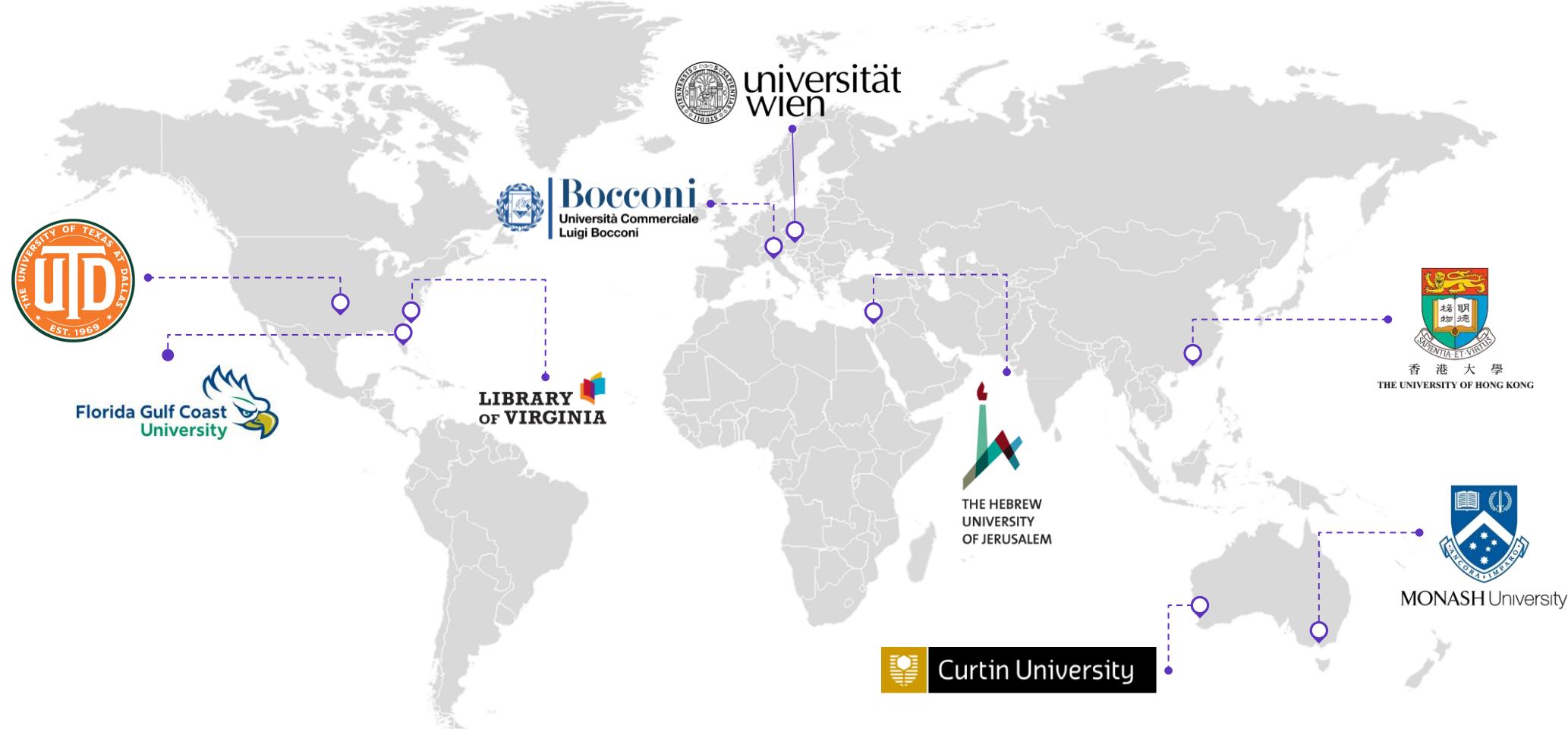


Robust exit strategy

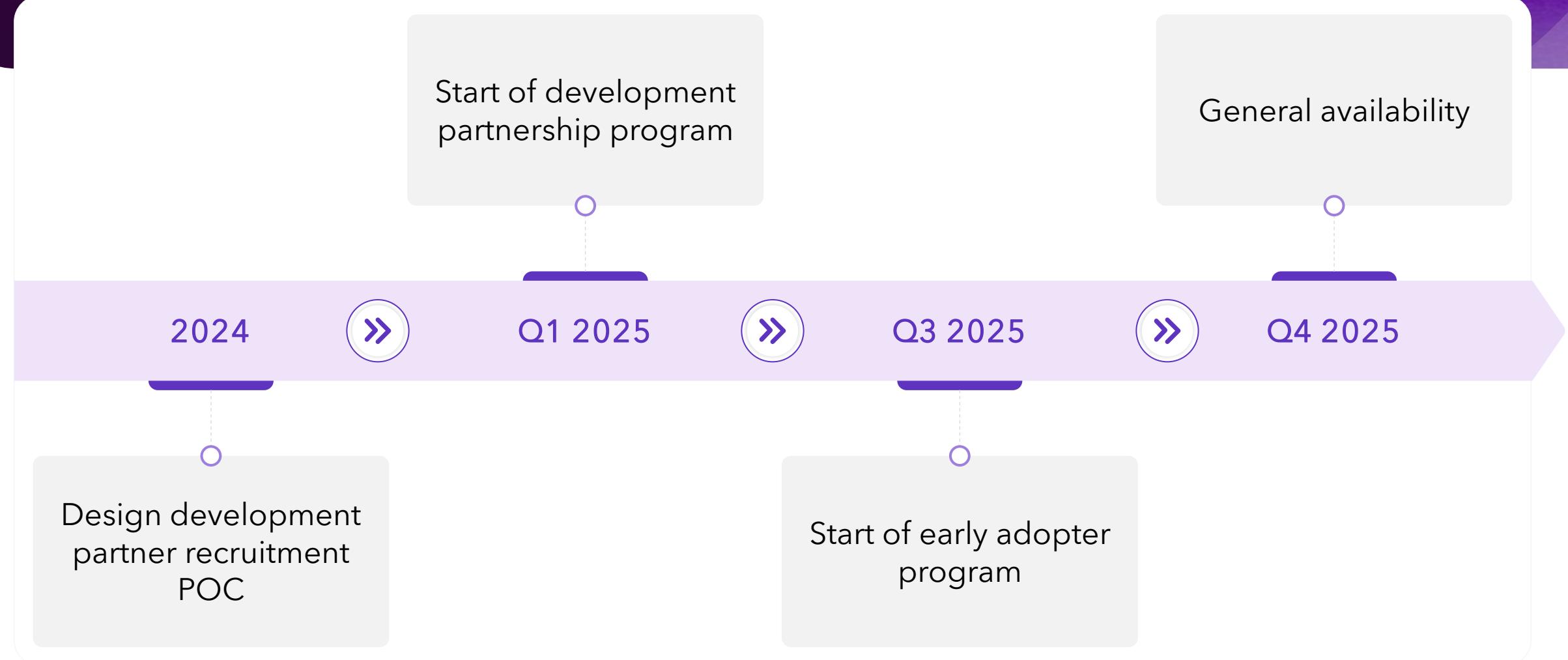
Timeline



Driven by Feedback: Built with 9 Development Partners



Alma Specto Milestones



Want to hear more?

Join the Early Adopter program

Scan this QR code
→



Learn More

Want a closer look?

Join our Live Demo Sessions for a more personal and hands-on experience.

See how Specto fits your needs, get deeper insights, and see exactly how it works - live.

 September 17th

 2 pm / 2:30 pm

 Room 15

Scan the QR code to register.



Want to stand out?

Join our upcoming webinar to learn how special collections can boost visibility, drive engagement, and unlock new opportunities for your library.

 September 22nd

Scan the QR code to save you seat.



Q&A





Thank You