

Alma Specto

Product Conversation



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Agenda



Current Challenges



Alma Specto Solution



Main Capabilities

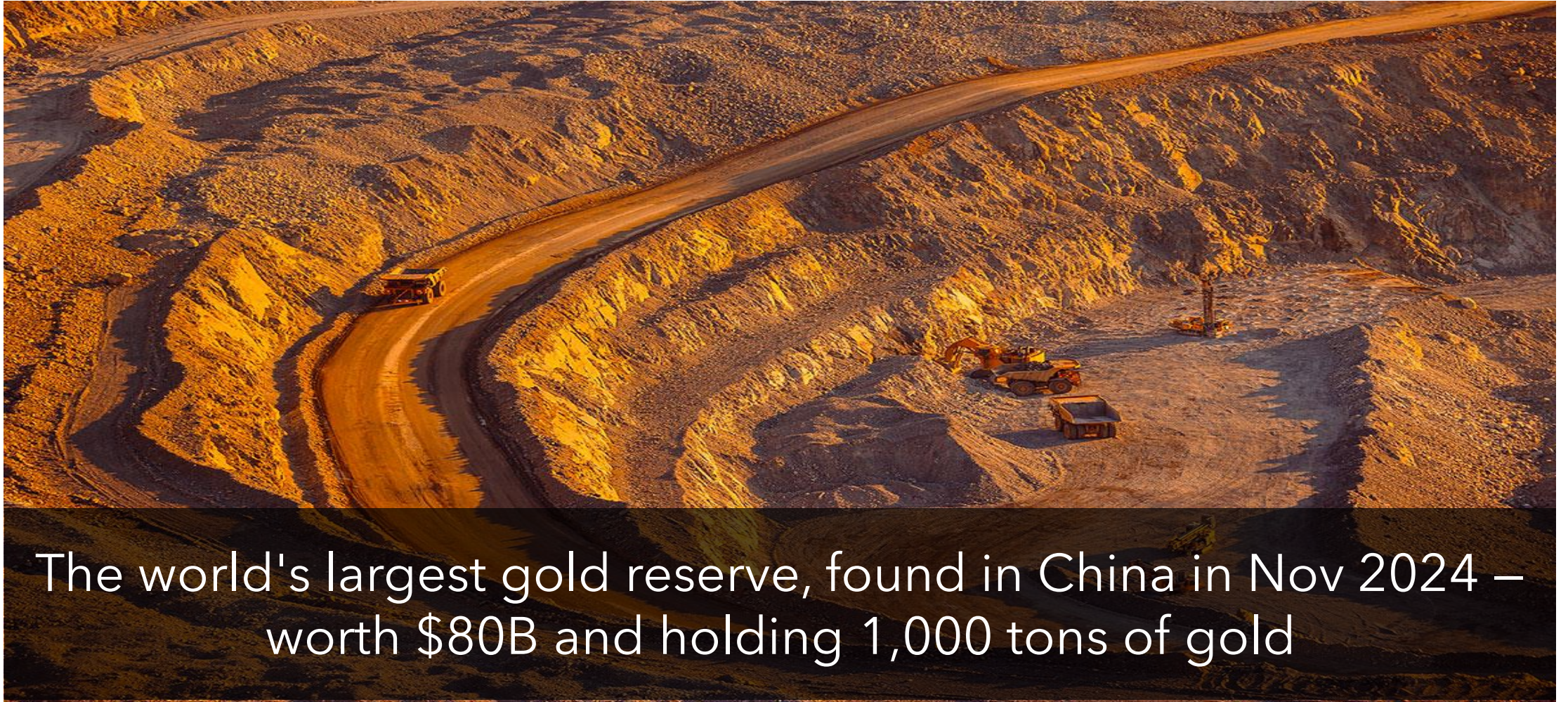


Timeline



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

Digital collection



Manual
cataloguing



Lack of metadata



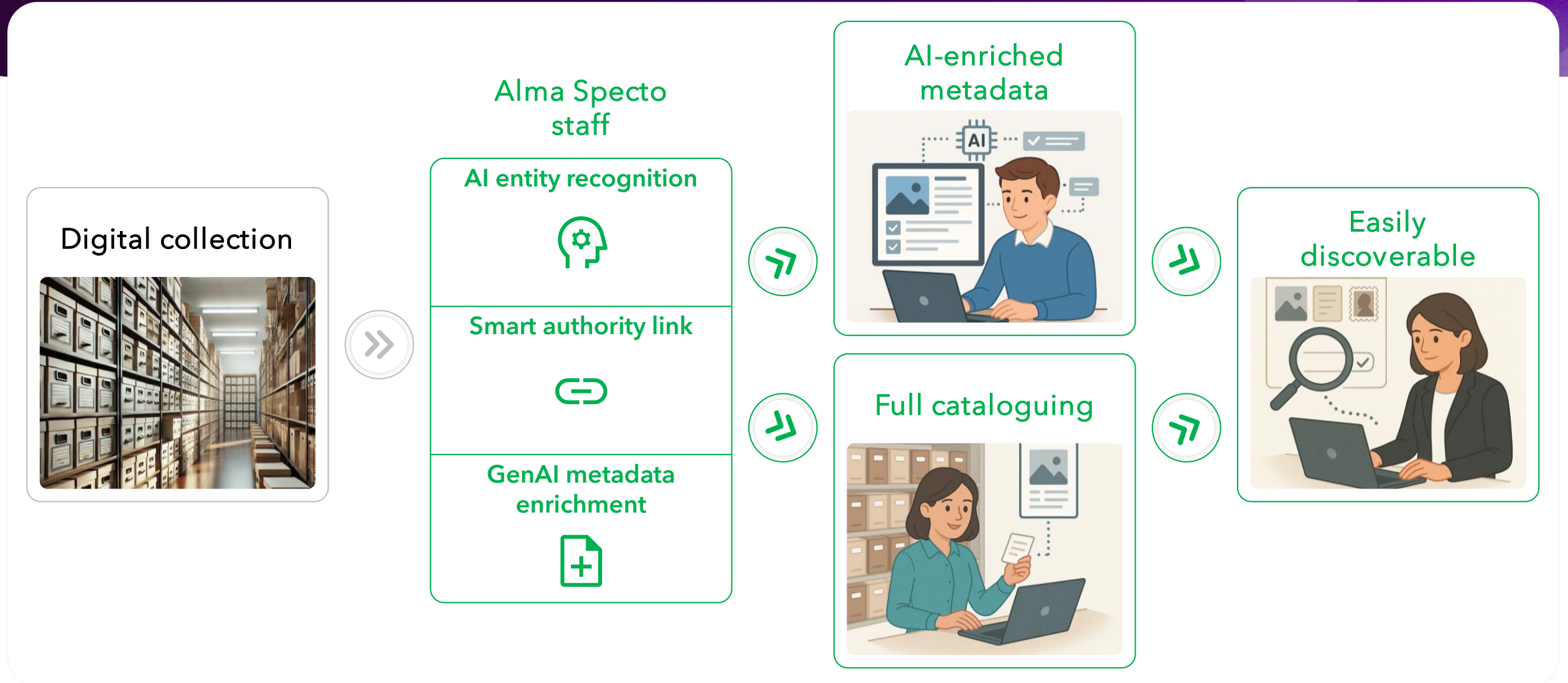
Hard to discover



Collections are
not catalogued



Why Digital Collections Remain Hidden



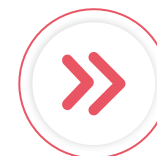
Why Digital Collections Remain Hidden

Limited discovery capabilities

Digital collection



Limited discovery tools



Hard to discover



How Alma Specto Unlocks Hidden Digital Collections

Digital collection



Alma Specto
End-user

Online exhibition



AI-powered NDE



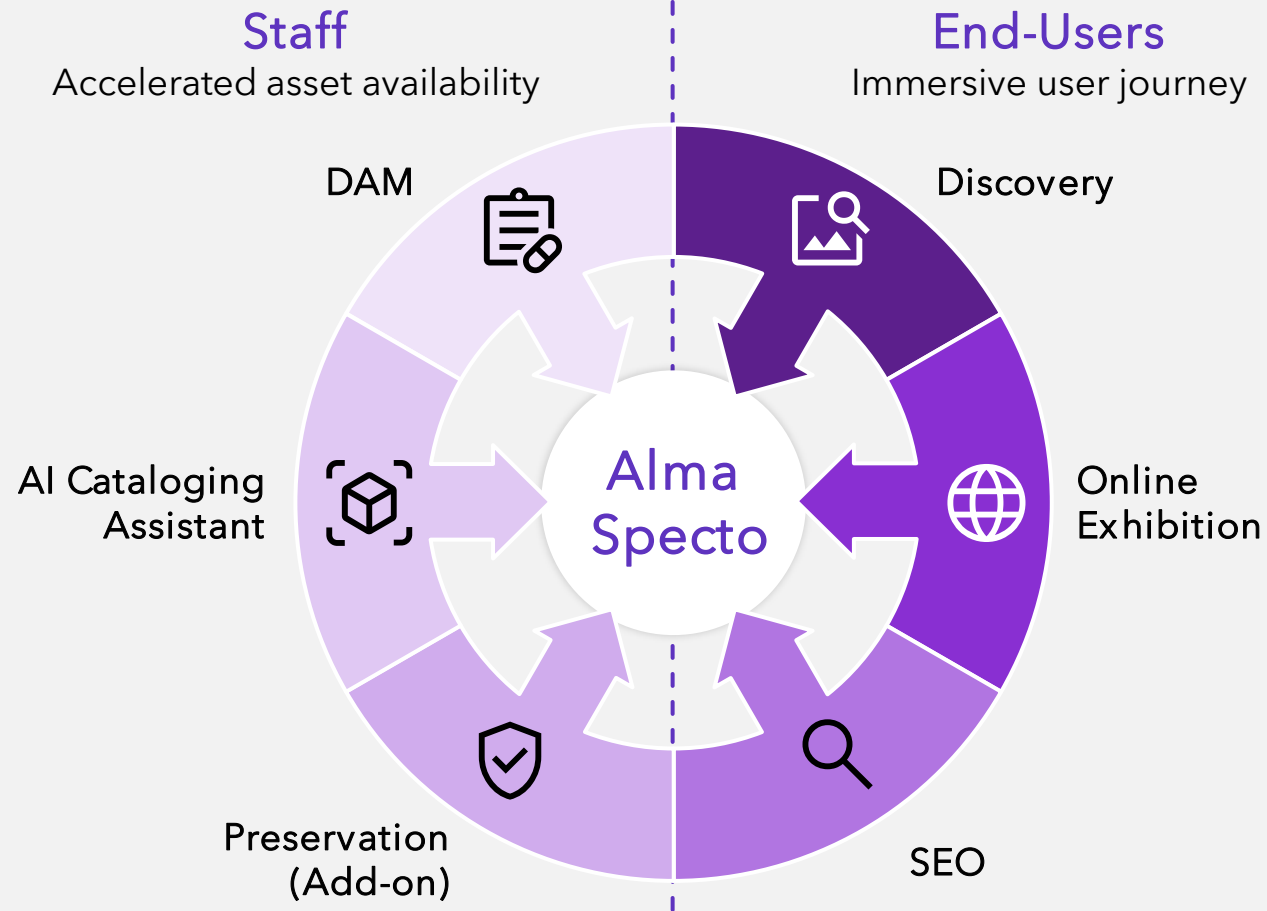
SEO



Easily
discoverable



Alma Spectro: Making Digital Collections Accessible, Engaging and Effortless



Speed Up Asset Availability

AI enriches metadata for faster access.



Bring Digital Collections to Users

Digital collections are now easily accessible.



Extend the Discovery Journey

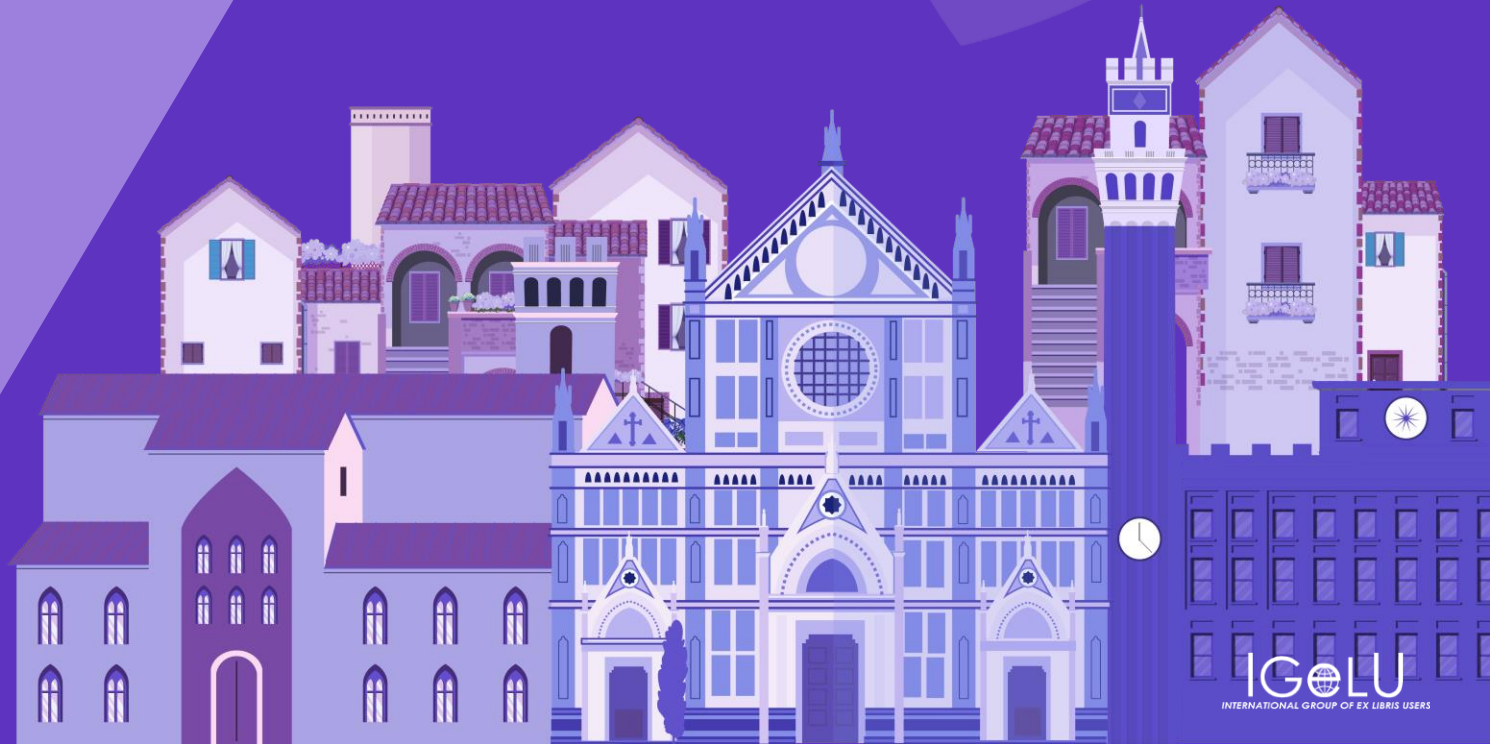
Discover the full collection's hidden gems.



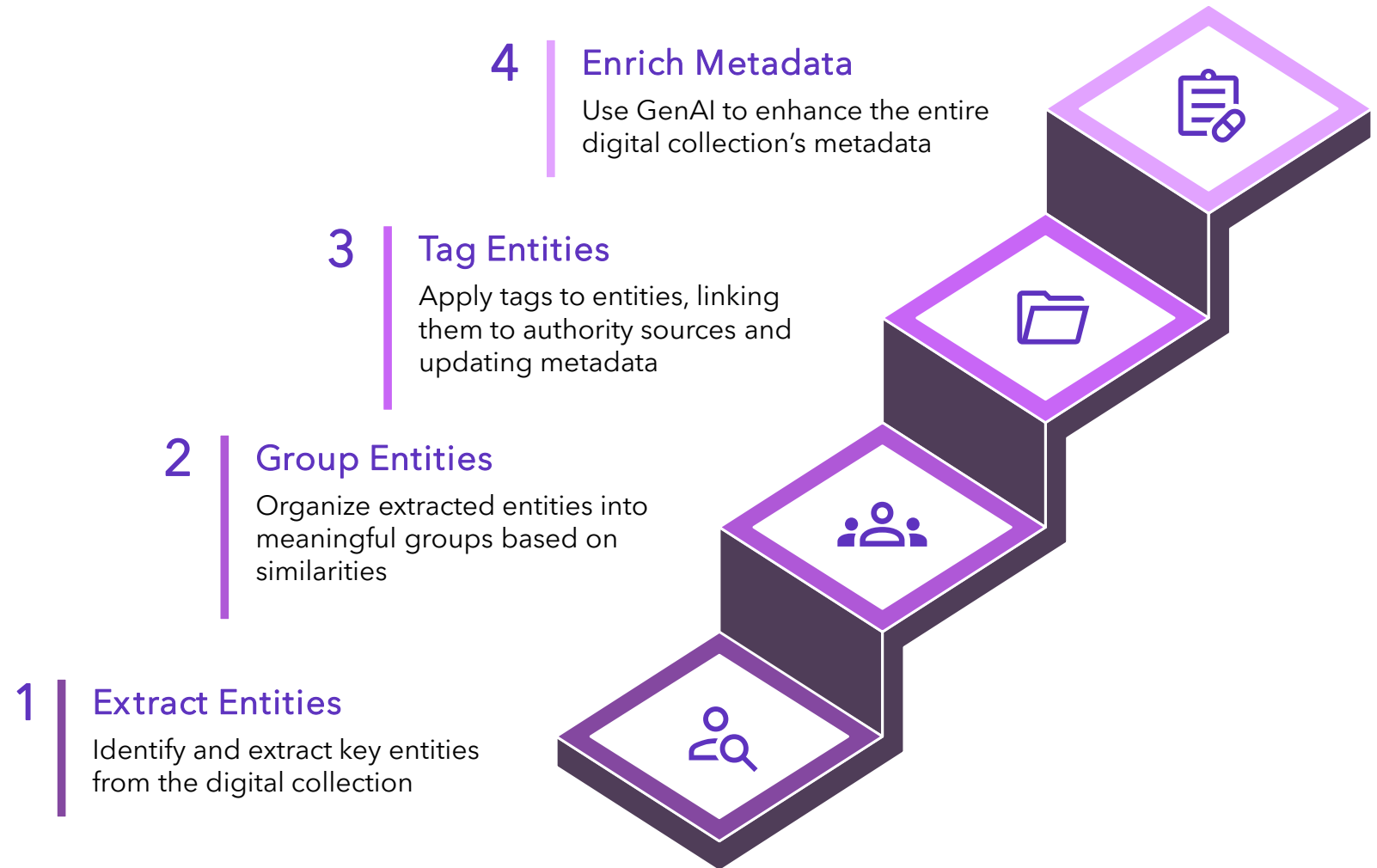
Streamline Library Operations

Integrate Alma for efficient library tasks.

AI Cataloging Assistant



AI Cataloguing Assistant



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



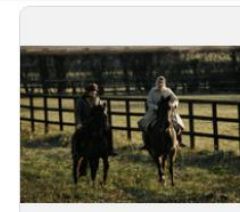
2 ☐ ...
King George VI and
Elizabeth II 1936
Mixed material {Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574500121



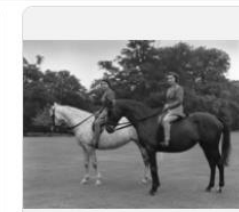
3 ☐ ...
king george vi princess
elizabeth princess...
Mixed material {Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574400121



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



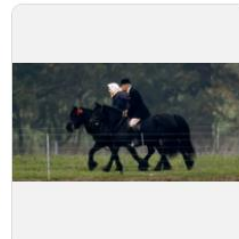
6 ☐ ...
princess-elizabeth-and-
princess-margaret-ros...
Mixed material {Mixed mate...
Creator / Imprint By creator ...
MMS ID 99524574100121



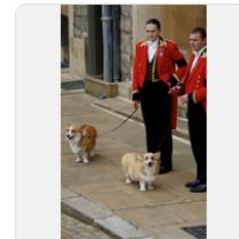
7 ☐ ...
princess-elizabeth-



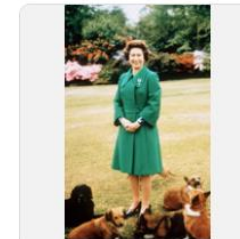
8 ☐ ...
queen elizabeth ii 96th



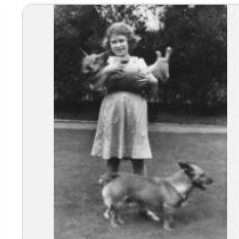
9 ☐ ...
queen elizabeth ii in ride



10 ☐ ...
Queen-Elizabeth-corgis



11 ☐ ...
Queen-Elizabeth-Dogs



12 ☐ ...
Queen-Elizabeth-Dogs-

Entity Extraction and Grouping

< Collection: Queen Elizabeth II - Spectro (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...

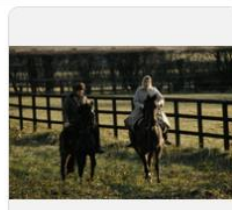
Mixed material {Mixed mat...
Creator / Imprint By creato...
MMS ID 99524574400121



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-



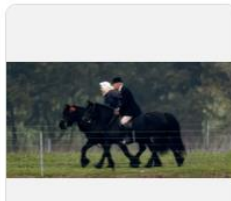
7

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

ExLibris

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Extract
and group
entities

AI-Extracted Entities

The screenshot displays a digital library record for 'elisabeth-ii-1959'. The interface includes a sidebar with navigation options: Summary, Viewer (1), General Information, Bibliographic Record, Digital Representat... (1), Collections (1), Names (2), Subjects (1), and Other Details. A 'Quick Access' section is also present. The main content area features a large photograph of Queen Elizabeth II on horseback, wearing a light-colored coat and a headscarf. A yellow bounding box is drawn around her face, indicating face recognition. To the left of the photograph, a panel titled 'Entities (3)' shows three extracted faces, each labeled 'Untagged Name'. A callout bubble points to the first face in this list, stating 'Faces are extracted'. Another callout bubble points to the face in the photograph, stating 'Faces are recognized'. The bottom of the interface shows a pagination indicator '1 of 1' and the record ID 'elisabeth-ii-1959'.

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

Faces are extracted


Faces are recognized

1 of 1 • elisabeth-ii-1959

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

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

Sort by: Rank Secondary sort by: Rank




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



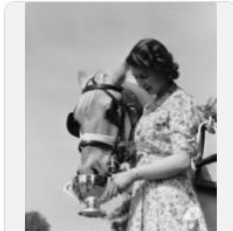
5 ☐ ...

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

Select Authority

< 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

Search and select relevant Authority

Record Number	Title / Description	Vocabulary	Originating System ID	MMS ID
3 ●	Elizabeth II, Queen of Great Britain, 1926-2022 Record number: (DLC)n 80126296 Seen from: II, Queen of Great Britain, 1926-2022 , Elizabethah אליזבתה 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	NAMES	n 80126296	98138463420000041
4 ○	Elizabeth II, Queen of Great Britain, 1926-2022 Anniversaries, etc. 2022-1926 اليوبيل، وعيد. Record number: Aleph(NNL10)-004207941 Creation Date: 02/12/2019 20:28 Modification Date: 01/12/ 2022 14:03	NLI	987007351984805171	
5 ○	Elizabeth II, Queen of Great Britain, 1926-2022 Art collections 2022-1926 مجموعات الفن Record number: Aleph(NNL10)-004218496 Creation Date: 02/12/2019 21:34 Modification Date: 14/06/2024 14:01	NLI	987007336709805171	
6 ○	Elizabeth II, Queen of Great Britain, 1926-2022 Art collections Catalogs 2022-1926 مجموعات الفن فهرس Record number: Aleph(NNL10)-004207942 Creation Date: 02/12/2019 20:29 Modification Date: 14/06/2024 14:01	NLI	987007351984705171	9812688027700041
7 ○	Elizabeth II, Queen of Great Britain, 1926-2022 Art collections Exhibitions 2022-1926 مجموعات الفن معارض Record number: Aleph(NNL10)-004207943 Creation Date: 02/12/2019 20:29 Modification Date: 12/01/2025 02:15	NLI	987007351984605171	9812688027800041
8 ○	Elizabeth II, Queen of Great Britain, 1926-2022 Childhood and youth 2022-1926 الطفولة والشباب Record number: Aleph(NNL10)-000607359 Creation Date: 29/01/2020 12:29 Modification Date: 01/12/ 2022 14:06	NLI	987007291391005171	9813821238200041

People Tagged

queen-elizabeth-ronald-reagan 1982

By creator 32 (13 32)
MMS ID 99524571500121

Summary

Viewer (1)

General Information

Bibliographic Record

Digital Representat... (1)

Collections (1)

Names (2)

Subjects (1)

Other Details

Quick Access


Entities (2)

Showing 2 annotations

Untagged (1)

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



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 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

Tag These Persons (2)



Find specific facet

File Extension

- ☐ jpg (9)

Titles for Review

- ☐ Pending Tagging (9)

Persons (Creator/Contributor)

- ☐ contrib 1 (1)
- ☐ contrib 2 (1)
- ☐ contrib 3 (1)
- [+ More \(15\)](#)

Material Type

- ☐ Mixed material (9)

Resource Type

- ☐ Mixed materials (9)

Language

- ☐ English (9)


Collections

- ☐ Dogs & Cats (9)

< 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



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

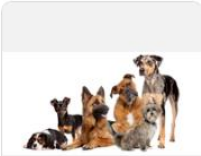
Mixed material {Mixed ...
Creator / Imprint By cre...
MMS ID 996179829001...



7 ☐

Dogs & Cats 4

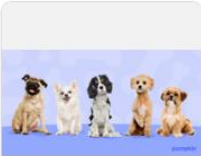
Mixed material {Mixed ...
Creator / Imprint By cre...
MMS ID 996179828001...



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...

Clarivate

IGOLU
INTERNATIONAL GROUP OF EX LIBRIS USERS

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)

1 ☐ ...

2 ☐ ...

3 ☐ ...

4 ☐ ...

5 ☐ ...

dog 8

dog 6

dog 7

dog 5

dog 9

Remove from Group

Object Recognition

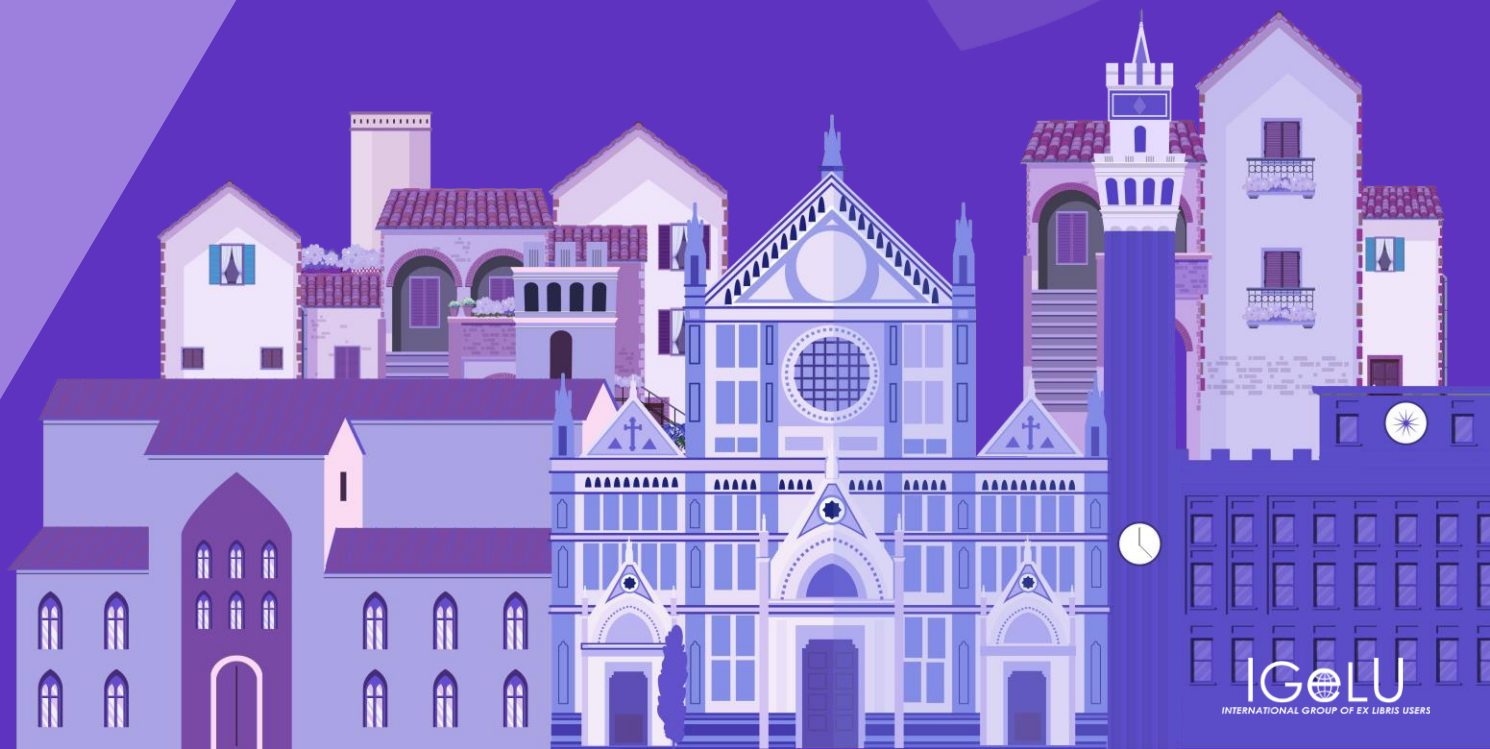
The screenshot displays the ExLibris Entity Tagging interface. On the left, a sidebar contains navigation links: Alma QA, Collection Development, Acquisitions, Resources, Discovery, Fulfillment, Admin, Analytics, Show MDE, and Configuration. The main area is titled 'Entity Tagging' and shows an 'Untagged Entity' with '4 Files in 4 Titles'. A 'Dismiss Entity' button is present. Below, a section for tagging faces is active, with options to 'Link to Authority' (selected) or 'Without Linking'. A 'Name' dropdown is set to 'Select Authority', and a 'Tag Entity' button is at the bottom.

The central panel, titled 'Faces (1 - 4 of 4)', displays four image thumbnails with their recognized entities:

- 1. Dog Car
- 2. Dog
- 3. Dog Bicycle
- 4. Dog Pizza

Each thumbnail includes a checkbox and a menu icon. To the right, a detailed view of the 'Dog Bicycle' entity is shown, including a 'Summary' (Viewer(1)), 'Quick Access' link, and a large image of a bicycle with a dog lying on the ground in front of it. The image has a yellow bounding box around the dog. The bottom of the interface shows '1 of 1 - Dog Bicycle'.

Text



Extract & Group Entities

The screenshot shows the Ex Libris interface for the 'Einstein special collection'. The top navigation bar includes 'All titles', 'Keywords', and a search bar. The sidebar on the left contains filters for 'Entities' (Faces, Objects, Text Mentions), 'File Extension' (XXXX, XXXX, XXXX, More (X)), 'Language' (English (X)), and 'Publication Year'. The main area displays a grid of 10 items, each with a thumbnail image and a title. A purple callout bubble points to the 'Entities' section, indicating the feature to extract and group entities.

Entities

- Faces
- Objects
- Text Mentions

File Extension

- XXXX
- XXXX
- XXXX
- + More (X)

Language

- English (X)

Publication Year

Items:

- Einstein and his wife
- Einstein's Letter to President Roosevelt - ...
- Nobel Prize-Winners
- Letter to Dr. Chaim Weizmann - May 19, 1...
- Albert Einstein with other engineers and sc...
- Thank You Letter to Elementary School Stu...
- Einstein's Refusal to Accept the Role of Pre...
- Solvay Conference in 1927 - the most intelli...
- Professor Albert Einstein at home.
- Albert Einstein Presenting General Rel...

Entities Extracted & Grouped With Tagging Suggestion

The screenshot displays a web application interface for managing a collection. On the left, a sidebar shows the 'Einstein special collection' with 10 titles. Below this, the 'Entities' section lists 'Faces (1/4)', 'Objects (0/6)', and 'Text Mentions (0/7)'. The main area is titled 'Text (7)' and shows a table of extracted entities. The table has columns for Entity, Tag Suggestion, Subtype, Status, Number of Appearances, and Number of Titles. A callout bubble points to the 'Tag Suggestion' column, indicating that the suggestions are based on Library of Congress standards. The table lists seven entities, all of which are 'Not Tagged'.

	Entity	Tag Suggestion	Subtype	Status	Number of Appearances	Number of Titles	
1	Albert Einstein	Albert Einstein	Name	Not Tagged	100	50	...
2	Wade Warren	Wade Warren	Name	Not Tagged	90	44	...
3	Theresa Webb	Theresa Webb	Name	Not Tagged	88	30	...
4	Albert Flores	Albert Flores	Name	Not Tagged	72	30	...
5	Ralph Edwards	Ralph Edwards	Name	Not Tagged	66	24	...
6	Devon Lane	Devon Lane	Name	Not Tagged	56	22	...
7	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 ▾

⬇

1

□

...

Einstein's Letter to President Roosevelt -...

🛒

📄

📖

2

□

...

Einstein's Refusal to Accept the Role of President of Is...

🛒

📄

📖

3

□

...

Letter to Dr. Chaim Weizmann - May 19, 1948

🛒

📄

📖

4

□

...

Thank You Letter to Elementary School Stu...

🛒

📄

📖

Titles containing the entity's name

Tag Entity

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

1 Einstein's Letter to President Roosevelt - ...

2 Einstein's Refusal to Accept the Role of President of Is...

3 Letter to Dr. Chaim Weizmann - May 19, 1948

4 Thank You Letter to Elementary School Stu...

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

Pending tagging (2 files)

Entities (6)

Untagged (6)

Albert Einstein
< 1/100 > Show All

Peconic, New York

Franklin D. Roosevelt

Washington, D.C.

Enrico Fermi

Leo Szilard

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

Mr. 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.

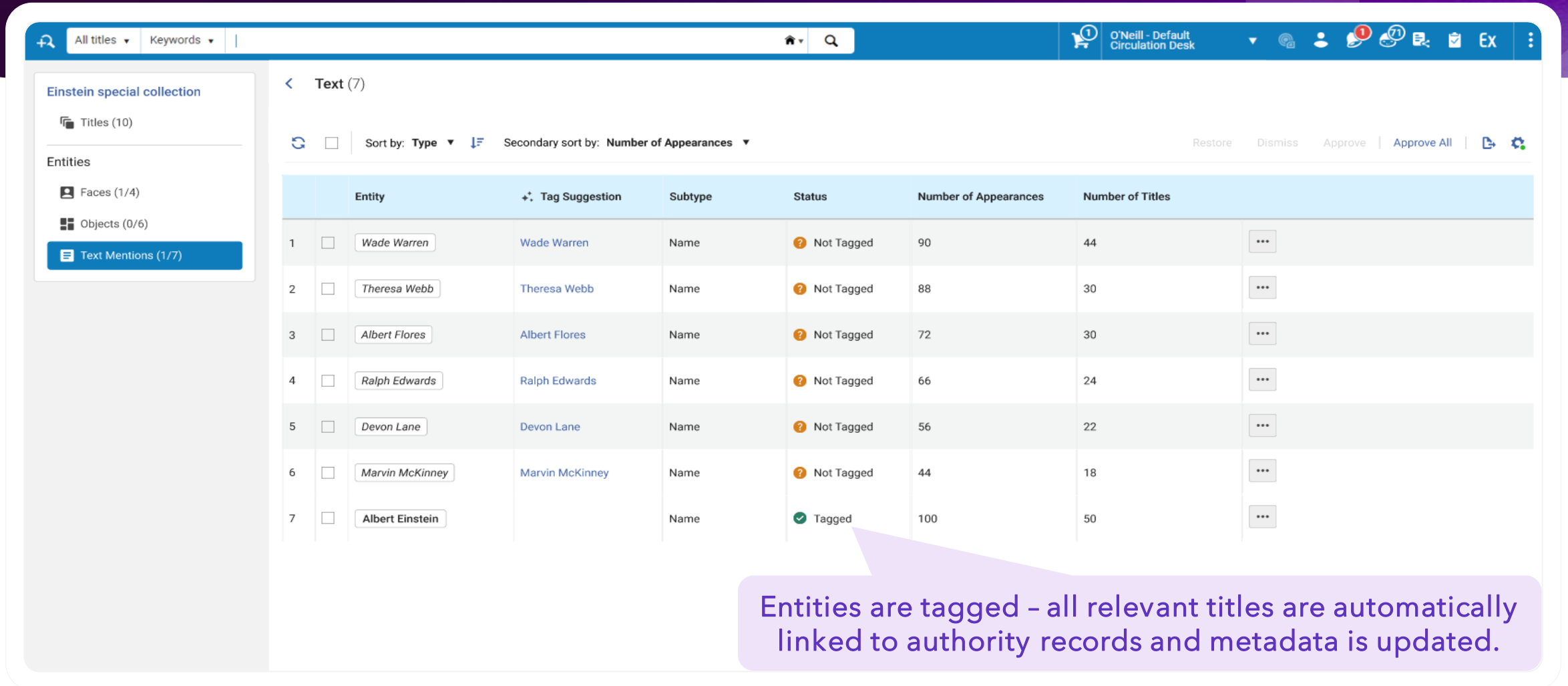
This new phenomenon would also lead to the construction of bombs, and it is conceivable - though much less certain - that extremely powerful bombs of a new type may thus be constructed. A single bomb of this type, carried by boat and exploded in a port, might very well destroy the whole port together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

1 of 2 • Im A File Name

Search for entity in the title

Tag entity with suggested name

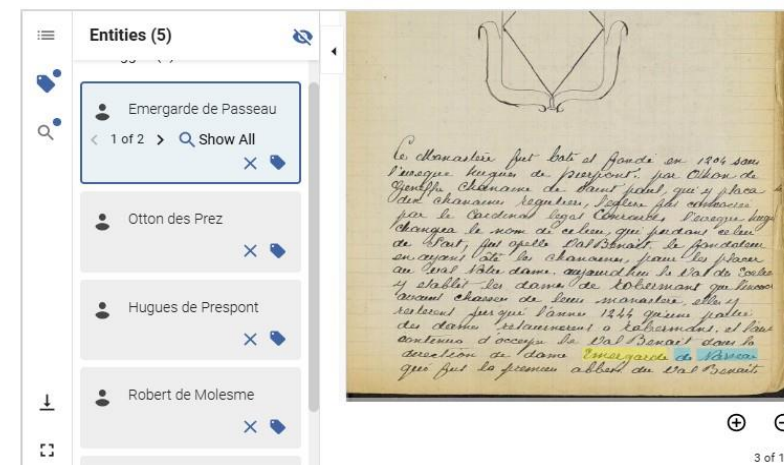
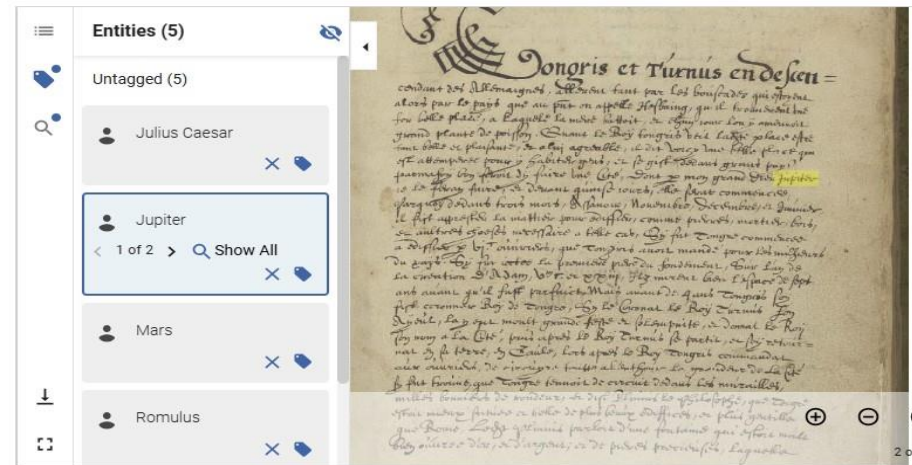
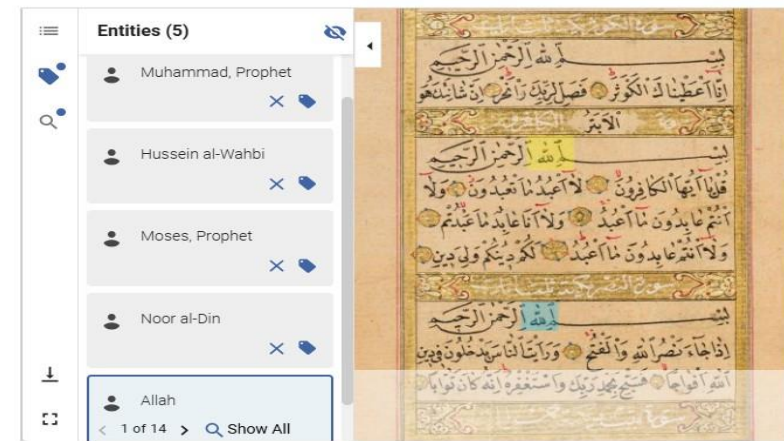
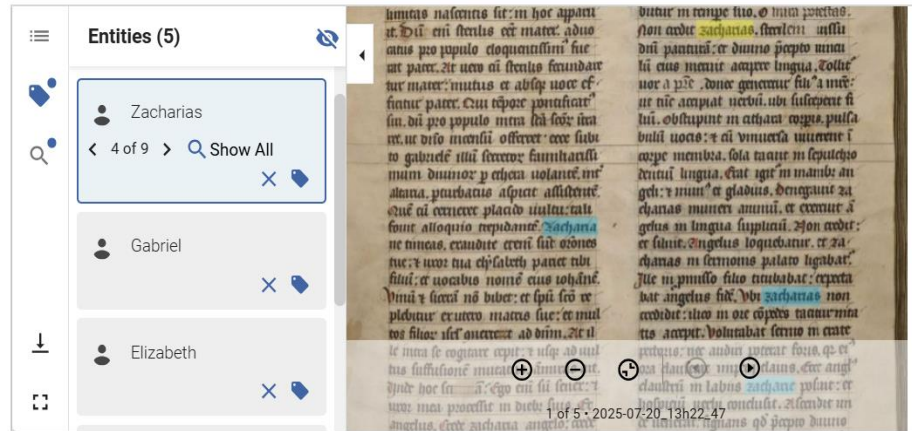
Automatic Linking to Authority Records



The screenshot displays the 'Einstein special collection' interface. On the left, a sidebar shows 'Entities' with counts: Titles (10), Faces (1/4), Objects (0/6), and Text Mentions (1/7). The main area is titled 'Text (7)' and shows a table of text mentions. The table has columns for Entity, Tag Suggestion, Subtype, Status, Number of Appearances, and Number of Titles. The first six rows show entities like Wade Warren, Theresa Webb, Albert Flores, Ralph Edwards, and Devon Lane, all with a status of 'Not Tagged'. The seventh row shows Albert Einstein, with a status of 'Tagged' (indicated by a green checkmark). A callout box points to the 'Tagged' status, stating: 'Entities are tagged - all relevant titles are automatically linked to authority records and metadata is updated.'

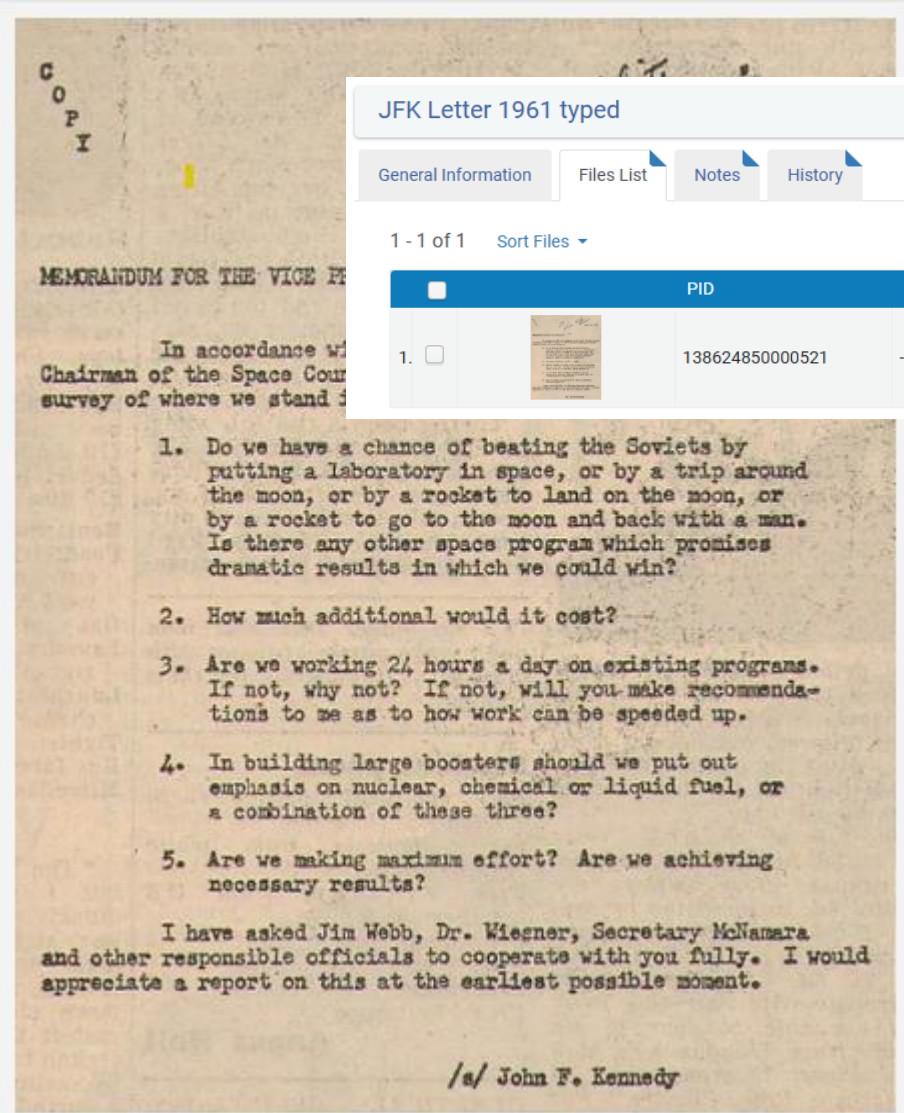
	Entity	Tag Suggestion	Subtype	Status	Number of Appearances	Number of Titles	
1	<input type="checkbox"/> Wade Warren	Wade Warren	Name	Not Tagged	90	44	...
2	<input type="checkbox"/> Theresa Webb	Theresa Webb	Name	Not Tagged	88	30	...
3	<input type="checkbox"/> Albert Flores	Albert Flores	Name	Not Tagged	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	...

Extracting Entities in Multiple Languages



(*) From digitalization provided by DONum, the digital heritage portal at the University of Liège

OCR



JFK Letter 1961 typed

General Information

Files List

Notes


History

1 - 1 of 1 Sort Files ▾

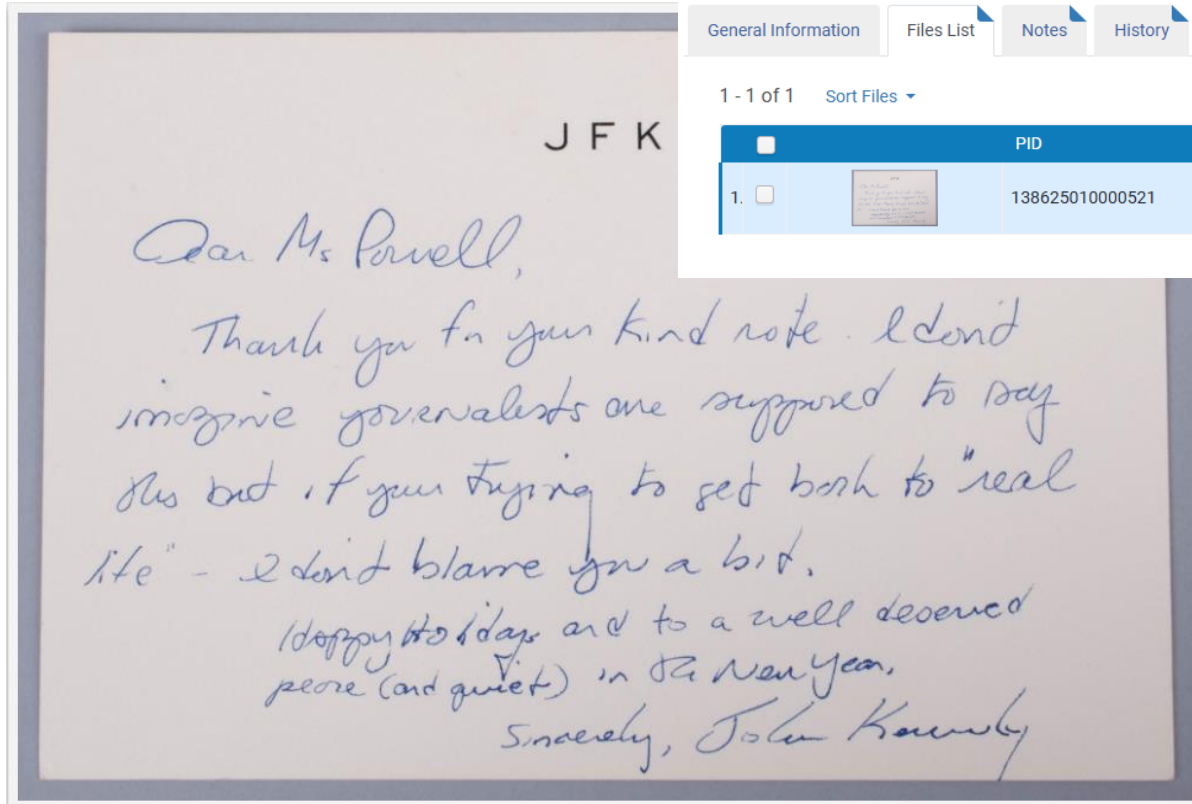
+ Add Files

- Delete Selected

Download All

<input type="checkbox"/>	PID	Creation Date	File Name	Label	Size	Fulltext	
1. <input type="checkbox"/>	 138624850000521	-	JFK Letter 1961 typed.jpg	JFK Letter 1961 typed	128.94 KB	ALTO	...

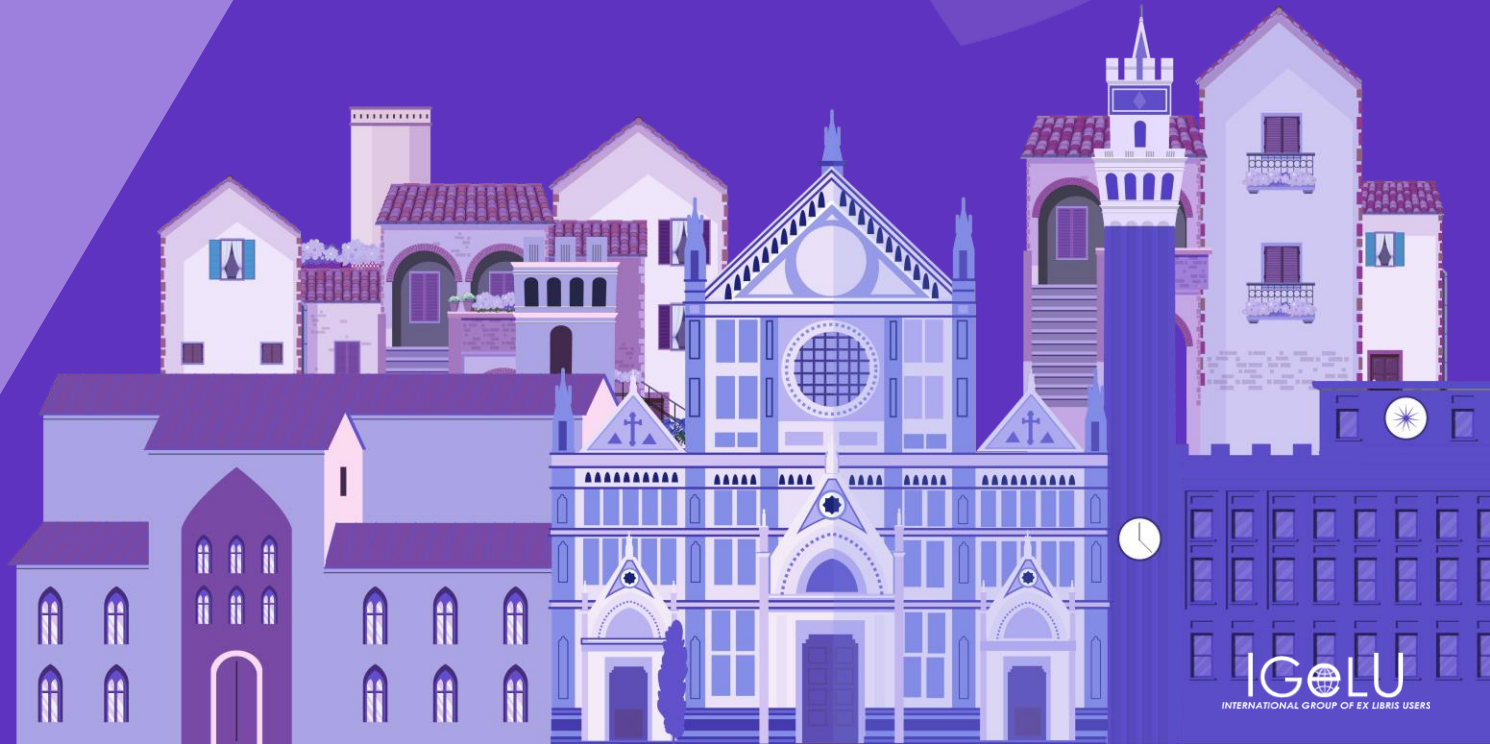
April 20, 1961 MEMORANDUM FOR THE VICE PRESIDENT In accordance with our conversation I would like for you as Chairman of the Space Council to be in charge of making an overall survey of where we stand in space. 1. Do we have a chance of beating the Soviets by putting a laboratory in space, or by a trip 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



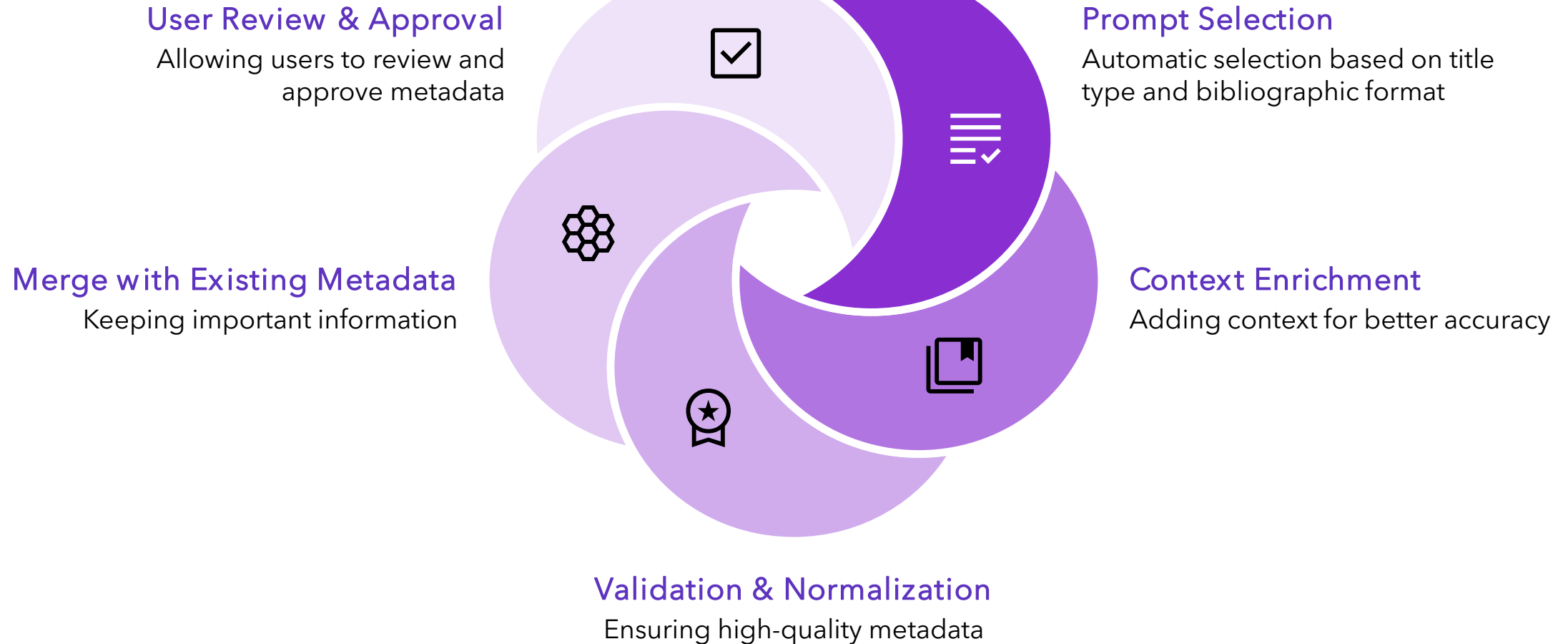
JFK handwritten letter							
<div>General Information</div> <div>Files List</div> <div>Notes</div> <div>History</div>							
<div>1 - 1 of 1</div> <div>Sort Files</div> <div>Add Files</div> <div>Delete Selected</div> <div>Download All</div> <div></div> <div></div>							
	PID	Creation Date	File Name	Label	Size	Fulltext	
1.	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



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 lcgt
787	\$\$t Queen Elizabeth II - Specto Test
787	\$\$w 818599990000521

Enriched fields
marked in
purple

Metadata enrichment

Albert Einstein
Old Grove Rd.
Massau 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:

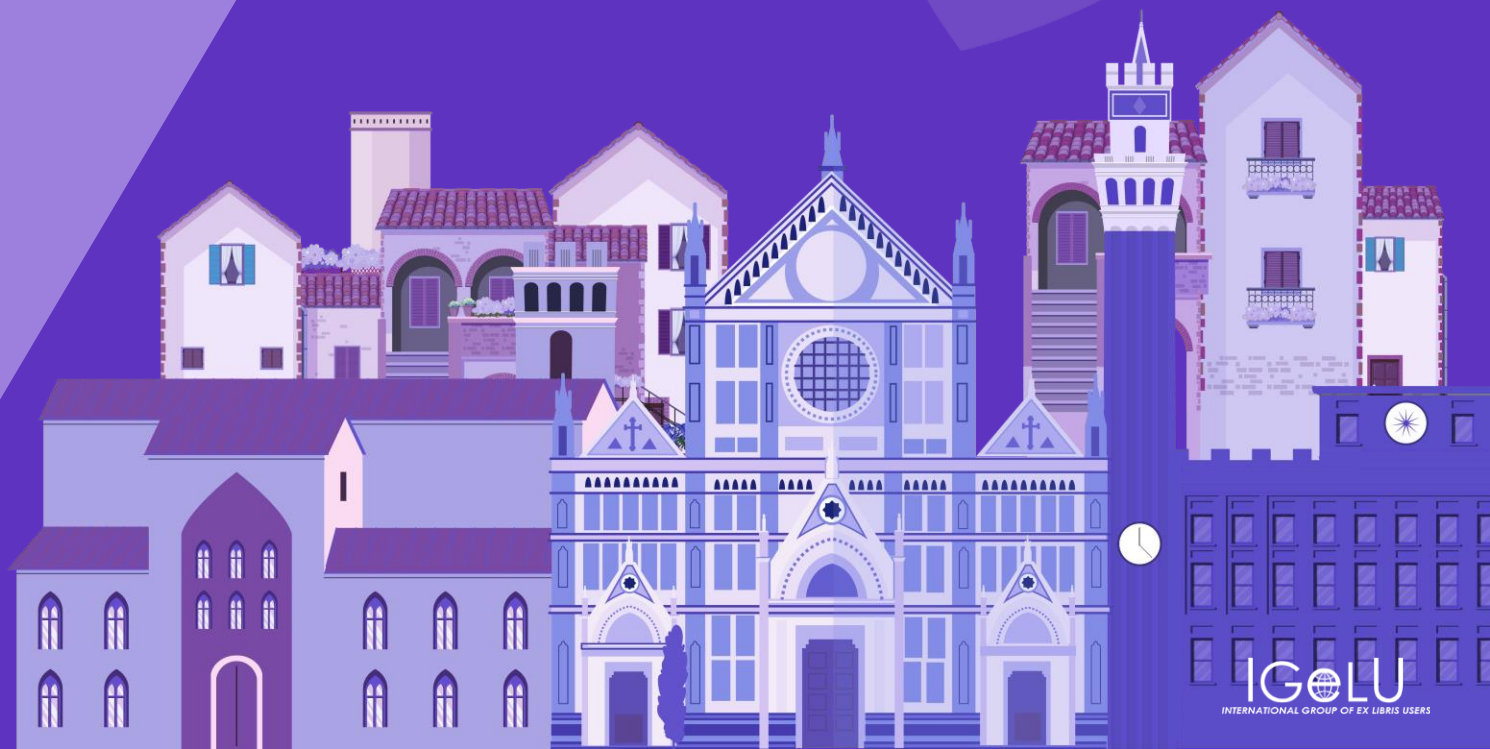
In the course of the last four months it has been made probable - through the work of Joliot in France as well as Fermi and Szilard in America - that it may become possible to set up a nuclear chain reaction in a large mass of uranium, by which vast amounts of power and large quantities of new radium-like 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#d
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	\$\$a Nuclear energy \$\$x History \$\$y 20th century.
650 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 - Specto 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 ☒ ...
elisabeth-ii-1959
MMS ID 99250195005...



2 ☐ ...
King George VI and
Elizabeth II 1936
MMS ID 99250193005...



3 ☒ ...
king george vi
princess elizabeth...
MMS ID 99250191005...



4 ☐ ...
princess elizabeth
1934
MMS ID 99250189005...



5 ☒ ...
princess-anne-and-
queen-elizabeth-ii...
MMS ID 99250187005...



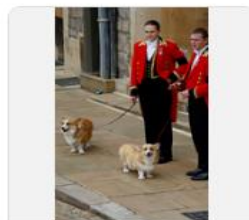
6 ☐ ...
princess-elizabeth-
and-princess-...
MMS ID 99250186005...



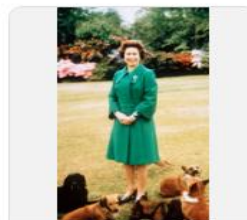
8 ☐ ...
queen elizabeth ii
96th birthday with...



9 ☒ ...
queen elizabeth ii in
ride with terry...



10 ☐ ...
Queen-Elizabeth-
corgis



11 ☐ ...
Queen-Elizabeth-
Dogs Sandringham



12 ☐ ...
Queen-Elizabeth-
Dogs-Life-In...



13 ☐ ...
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		
<input type="checkbox"/>	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		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, 19...	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		
<div>+ Add Item</div>						

Dynamic Titles Display Based on Chosen Template

Titles are automatically displayed based on selected template

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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](#)

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



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

Personalize the Exhibition Website Easily

The screenshot displays the Wix website editor interface for an exhibition website. The top navigation bar includes 'Online Exhi...', 'Autosave on', a toolbar with icons for desktop, mobile, and tablet views, a resolution of '1280px', a zoom level of '100%', an 'Upgrade' button, and a 'Publish' button. The main workspace shows a preview of the website with a header image and a main content area featuring a photograph of Queen Elizabeth II with the New Zealand All Blacks rugby team and dogs. Three callout boxes highlight customization options: 'Change the style' points to the 'Site Styles' panel on the left, 'Change the design' points to the 'Design' panel on the right, and 'Change the description' points to the text area in the main preview. The 'Site Styles' panel includes sections for 'Colors' (with a list of color swatches and hex codes), 'Fonts' (with a list of font styles), and 'Text styles' (with a list of text styles). The 'Design' panel includes sections for 'Fill color & opacity', 'Background' (with a color picker and opacity slider), 'Apply glass effect' (with a toggle switch), 'Border', 'Corners', 'Shadow', and a 'Cursor' section. The main preview area shows the website layout with a header image, a main content area with a photograph of Queen Elizabeth II with the New Zealand All Blacks rugby team and dogs, and a 'Read More' link.

Site Styles

All Colors Typo

Colors

- Color 1
- Color 2 #DBD9D3
- Color 3 #F8F8F4
- Color 4 #FFFFFF
- Color 6 #121212
- Color 5 #000000 ...

Fonts

- Roboto Bold
- Open Sans (v1)

Text styles

- Ag Heading 1 48px*
- Ag Heading 2 35px*
- Ag Heading 3 24px*

Design

Selections you make here won't impact designs set with CSS.

Fill color & opacity

Background

0 %

Apply glass effect

Border

Corners

Shadow

Change the style

Change the design

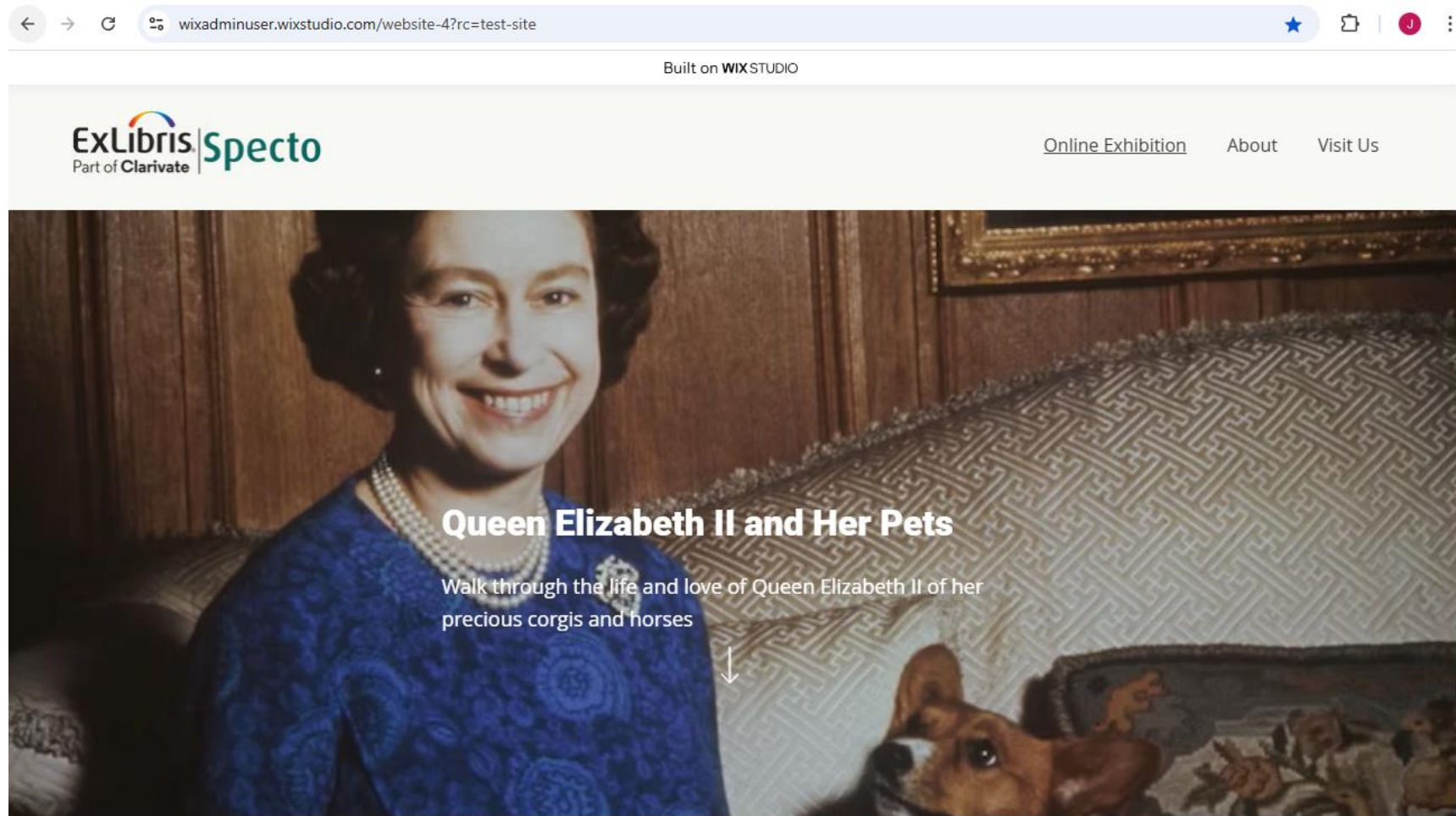
Change the description

Queen Elizabeth II with New Zealand All Blacks rugby team and dogs

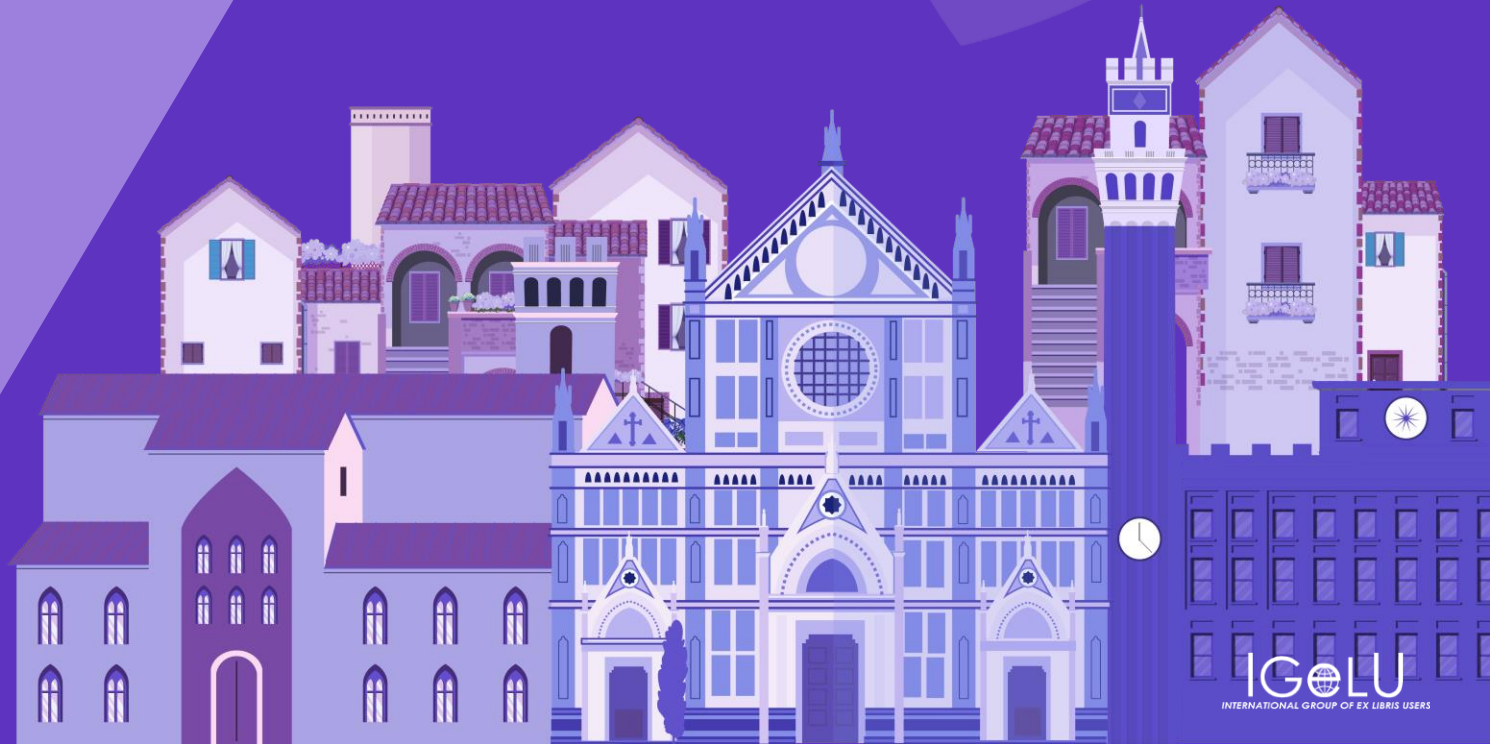
This image depicts Queen Elizabeth II in a formal setting, surrounded by members of the New Zealand All Blacks rugby team. The scene is indoors, with red curtains in the background. Several corgi dogs are present, adding a personal touch to the royal ...

Read More


Publish Your Exhibition Site to Showcase Digital Collections



Next Delivery Experience




Improved Discoverability Through SEO





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ENG ▾



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Search anything



Advanced Search

All (430,123)

Book (43,980)

Articles (12,234)

Newspaper (12,234)

Images (12,234)

More ▾

All Facets

Subject (2) ▾

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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 


▾

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 **OpenAI**

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IGOLU
INTERNATIONAL GROUP OF EX LIBRIS USERS

NDE – Next-Gen Viewer for Digital Content

The screenshot displays the ExLibris NDE interface. At the top, the ExLibris logo (Part of Clarivate) is on the left, and navigation links for LIBRARY SEARCH, JOURNAL SEARCH, DATABASE SEARCH, COLLECTION DISCOVERY, and MORE are in the center. On the right, there are links for ENG and a user profile icon. Below the navigation bar, a set of navigation arrows is visible. Further down, there are filters for DIGITAL, OPEN ACCESS, and PEER REVIEWED, along with sharing and bookmark icons. The main content area features the title "Nobel Anniversary Dinner Guests at the Prestigious Event Celebrating Pioneering Achievements in Science and Culture". Below the title, there is a section for "Low Resolution View All Digital Versions (2)". On the left, a sidebar titled "Content (2)" lists two items: "1. Nobel Anniversary Dinner Guests" (highlighted with a purple border) and "2. Albert and Elsa Einstein's". The main area shows a large black and white photograph of four men in formal attire. At the bottom of the image, there are navigation controls (plus, minus, left, right arrows) and a page indicator "1 of 2 | Nobel Anniversary Dinner Guests". A purple speech bubble on the right points to the image with the text "New integrated viewer".

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

Low Resolution View All Digital Versions (2)

Content (2) ✕

- 1. Nobel Anniversary Dinner Guests
- 2. Albert and Elsa Einstein's

1 of 2 | Nobel Anniversary Dinner Guests

New integrated viewer

NDE – AI-Powered Entity Recognition for Images

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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

List of entities based on NER process













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 
< 1/100 > [Show All](#)
-  Peconic, New York 
-  Franklin D. Roosevelt 
-  Washington, D.C. 
-  Enrico Fermi 
-  Leo Szilard 

Search for
specific
entity in
the
document

Albert Einstein
August 2, 1939
Old Groves Inn,
Peconic, Long Island
August 2nd, 1939

Specific entity
is highlighted
in the
documents

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:

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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 the ships, many of which would be



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

NDE – Automatic Linking Between Entities

PLACES (2)



RELATED PEOPLE



Sinclair Lewis

1885 – 1951

American author

Person



Frank B. Kellogg

1856 – 1937

American diplomat

Person



Albert Einstein

1879 – 1955

Theoretical physicist

Person

[More suggestions](#)

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

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Primo

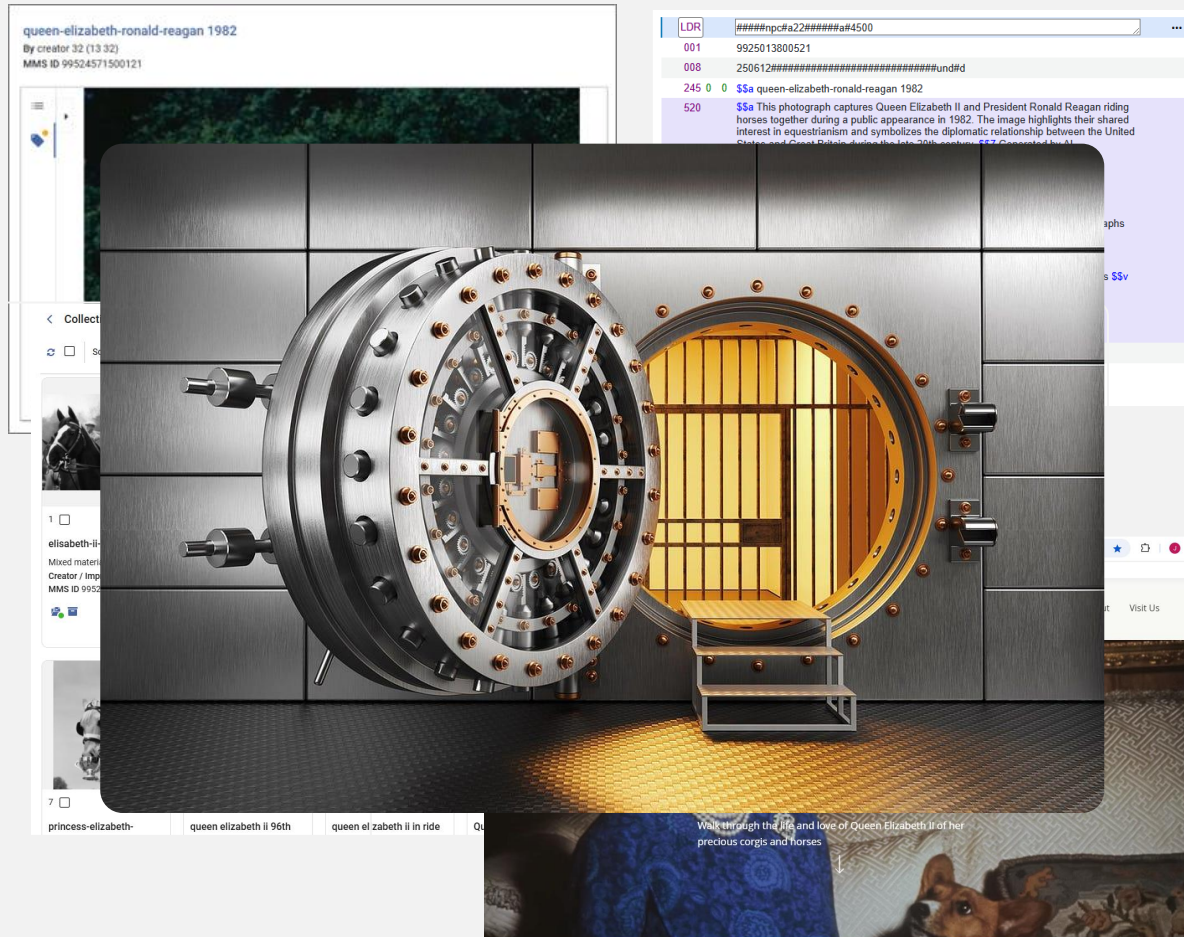
Specto Preservation



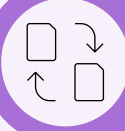
Specto Preservation



Specto Preservation



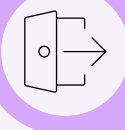
Identifying and fixing files at risk



Migrating files to updated formats

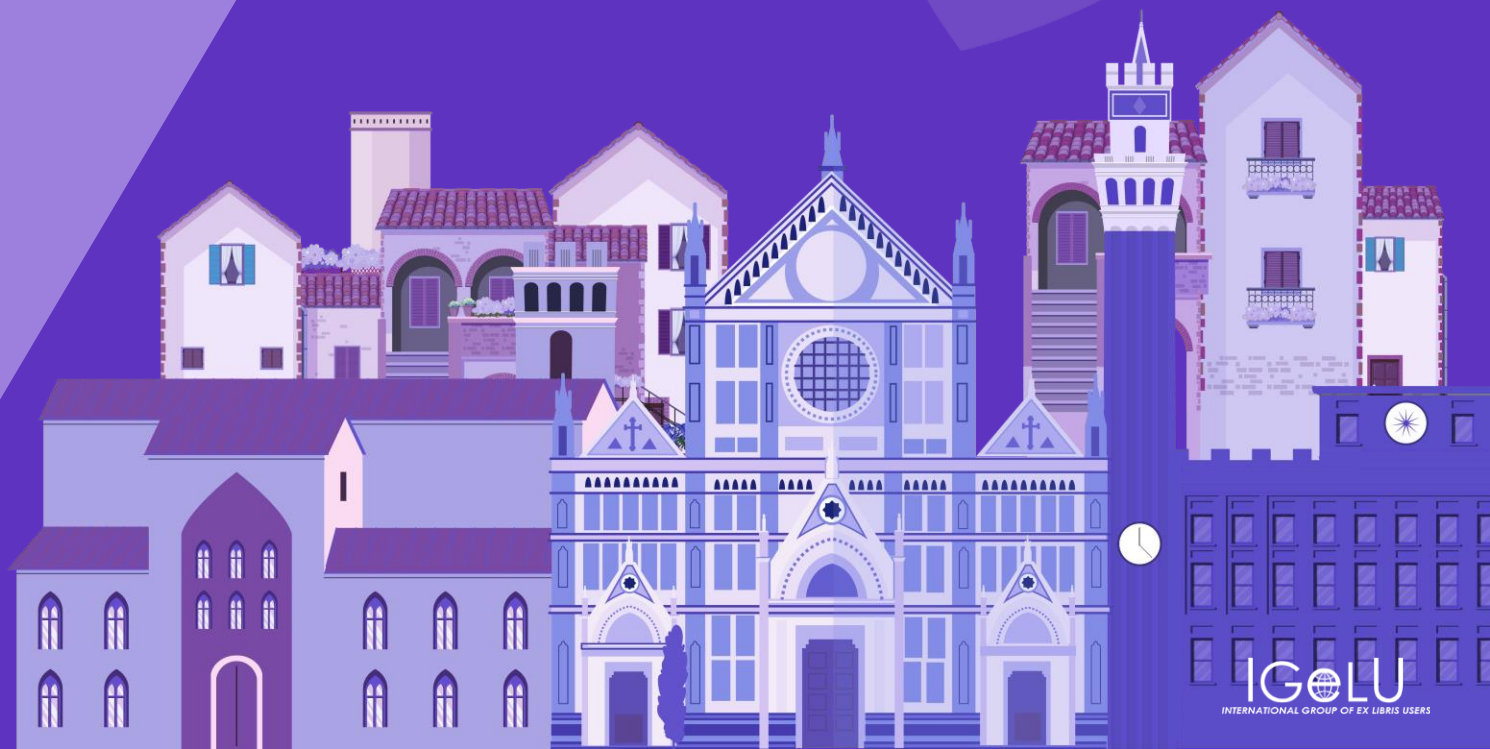


Recording all provenance data

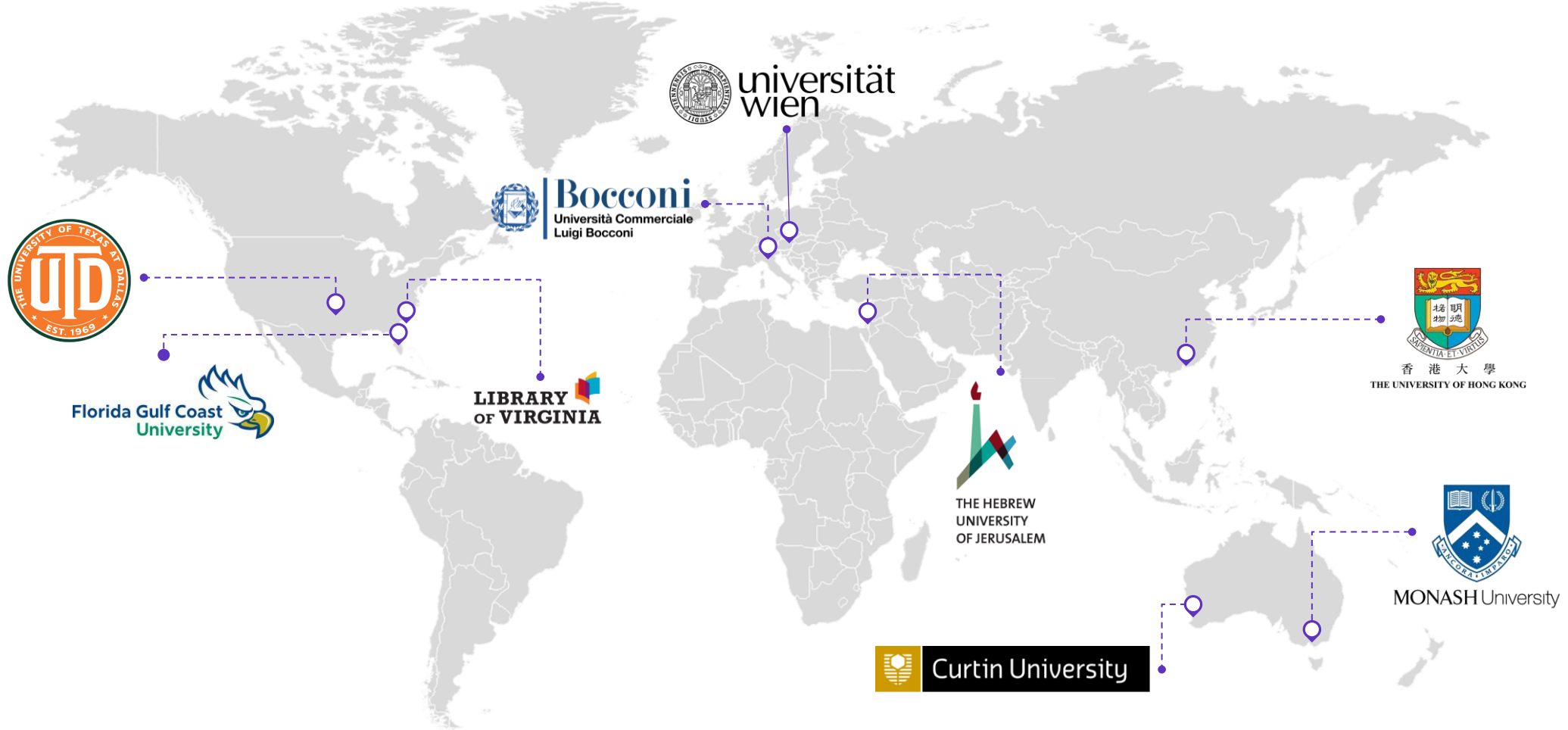


Robust exit strategy

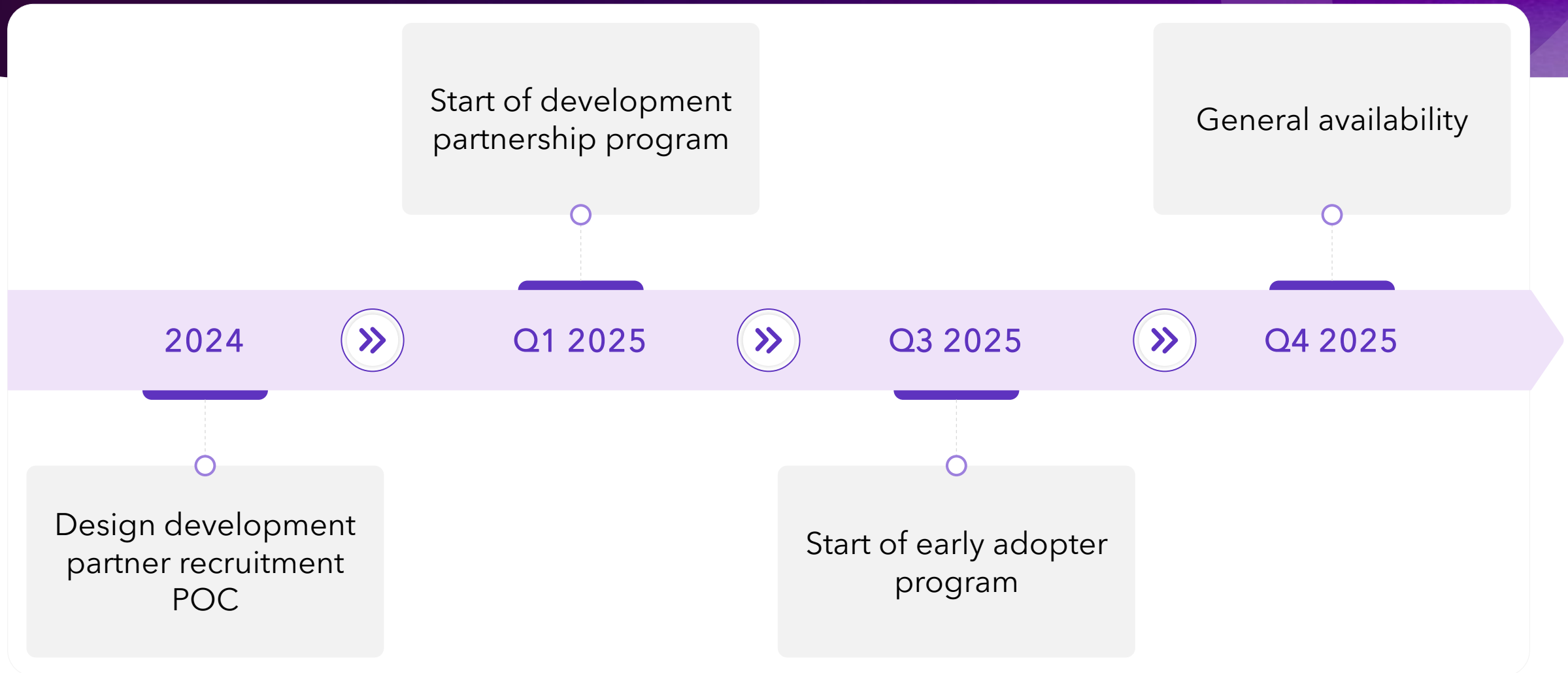
Timeline



Driven by Feedback: Built with 9 Development Partners



Alma Specto Milestones



Want to hear more?

Join the Early
Adopter program

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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?

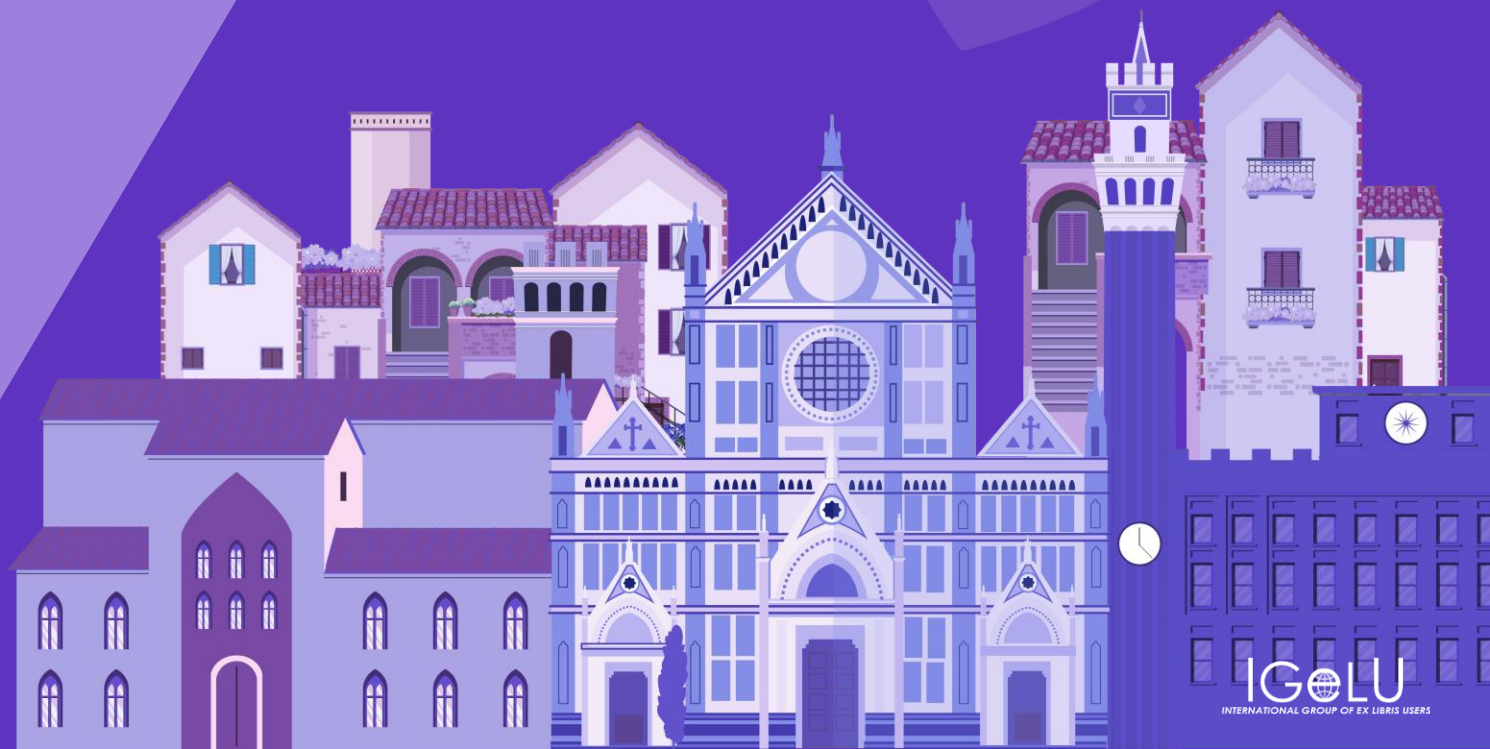
Join our upcoming webinar to learn how special collections can boost visibility, drive engagement, and unblock new opportunities for your library.

 September 22nd

Scan the QR code to save you seat.



Q&A



Thank You