

AIKON User Guide

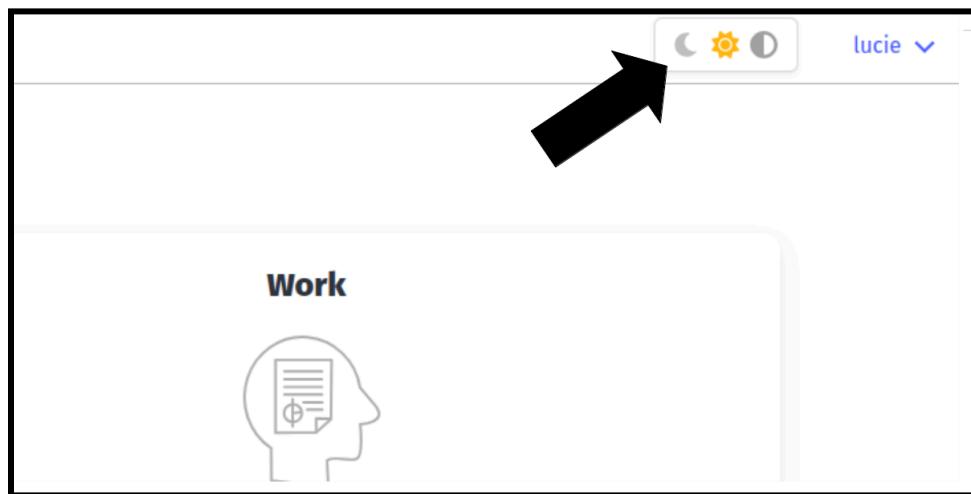
Homepage

The screenshot shows the EIDA Admin Home interface. At the top, there are navigation links: 'EIDA' (with a gear icon), 'Admin actions', 'Manage documents', and 'Computer vision tasks'. On the right, there are icons for 'lucie' (with a dropdown arrow) and 'DIAI' (with a brain icon). The main content area is titled 'EIDA Admin Home'.

- Witness**: Icon of an open book. Description: 'Physical objects or primary sources preserved in institutions.' Buttons: 'Add' (blue), 'List' (grey).
- Series**: Icon of stacked boxes. Description: 'Group of witnesses sharing a common coherence, such as volumes of an edition or manuscript fragments held in different institutions.' Buttons: 'Add' (blue), 'List' (grey).
- Work**: Icon of a person's head with a document inside. Description: 'Abstract intellectual production, encompassing its core ideas and content across various manifestations.' Buttons: 'Add' (blue), 'List' (grey).
- Document Set**: Icon of a stack of papers. Description: 'Personal collection of witnesses, works and series created by the user.' Buttons: 'List' (grey).
- Treatment**: Icon of a person's head with a gear inside. Description: 'Automated task applied to a witness or document set.' Buttons: 'Add' (blue), 'List' (grey).

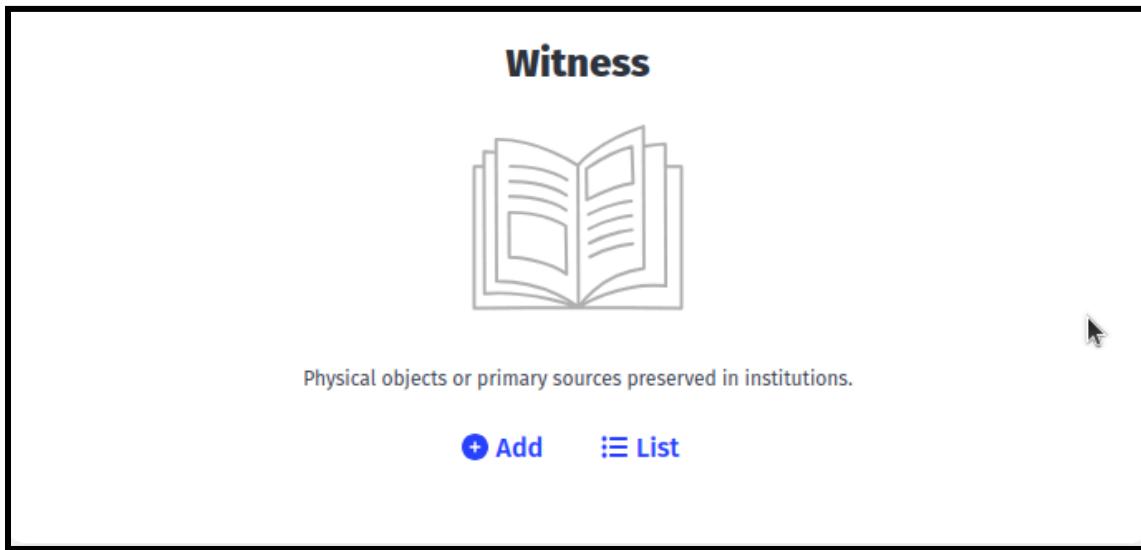
At the bottom, there are logos for 'anr°' (with a red dot) and 'École des Ponts ParisTech'. A small note says 'All rights reserved EIMA © 2025'.

Tip: switch themes



Witness

Denotes a distinct physical object or primary source preserved in a specific location. Digitization is attached to the witness level, allowing for direct association between the physical object and its digital representation.



Add a witness

Users can add a witness either from the homepage or the witness list interface. In the witness form, users can add metadata to identify the witness and describe its content.

A screenshot of the "Add Witness" form in the EIDA system. The form is titled "Add Witness" and shows the status "None". It is divided into several sections: "Witness identification" (Type dropdown, Identification number input, Conservation place input), "Pagination type" (dropdown), "Additional notes" (text area), "External link (online catalog, etc.)" (input), and "Make it public" (checkbox). Below these are sections for "Digitizations" (Digitization dropdown, Type dropdown, "Add another Digitization" button) and "Contents" (Content dropdown, Work dropdown, "Complete witness" checkbox, "Does the witness contain only this work?" question, From page/locus input, To page/locus input).

Witness Identification

1. **Type:** nature of the document (manuscript, letterpress print, woodblock print)
2. **Identification number:** identification number from the home institution.
3. **Conservation place:** heritage institution preserving the document
 - a. You can also add a new conservation place by clicking on the green “+” sign to input its **name**, **city** and the **license** of their documents.
4. **Pagination type and Number of pages/folios:** number of pages/folios of your witness.
5. **Additional notes:** free text for information with no dedicated field (e.g. previous owner, bibliographical information, etc.)
6. **External link:** link to the digitalization of the witness, its bibliographical notice or a catalog page
7. **Make it public:** if you check the box, your witness and its information will be made public to the other users.

Digitizations

1. **Type:** Specify the nature of the digitizations (Image files, PDF or IIIF manifest).
2. **Images:** Select the digitization file.
3. **Free to use:** If the digitization is not restricted by copyright, check the box.
4. Digitization source : Select a source. If it is not yet present, add it by clicking on the green cross.

When you are finished you can add another digitization by clicking on “Add another Digitization”.

The screenshot shows the 'Contents' section of the EIDA software. At the top, there are fields for 'Free to use' (checkbox), 'Digitization source' (dropdown menu), and a button 'Add another Digitization'. Below this is a table with columns for 'Content' (with a dropdown menu 'Content: #1'), 'Work' (dropdown menu), 'From page/Folio' (text input), 'To page/Folio' (text input), 'Minimum date' (date picker), 'Maximum date' (date picker), 'Creation place' (dropdown menu), 'Language' (dropdown menu), 'Tag' (button '+'), and 'Role' (dropdown menu). There are also buttons 'Add another Role' and 'Add another Content' at the bottom of these sections. A 'Save' button is located at the very bottom. At the bottom of the screen, there are logos for 'anr°' and 'Ecole des Ponts ParisTech', and a footer note: 'All rights reserved EIDA © 2025 GDRP and rights of use'.

- **Contents :** The purpose of this section is to list the different works within this witness. To add another content click on “Add another Content” at the bottom.
 1. **Work :** Indicate the name of the work. If it is not yet present you can create it as with the conservation place (using the green cross to create, the red cross to delete, the pen to modify and the eye to watch). NB : You can also create a new

work by going to the “Work” section of “Manage Document” at the top and clicking “Add”. On this page all existing works are displayed.

2. From page/folio - To page/folio : Write the beginning and the end of the work in the witness.
3. Minimum date : - Maximum date ?
4. Creation place : Select the city where the witness was created. If the place is not yet present, you can create it as the work and conservation place.
5. Language : Select the language of the work. You can create it.
6. Tag : Write and add tags.
7. Role : Specify the different actors involved in this work (author, publisher, illustrator...). You can create multiple roles by clicking on “Add another Role” at the bottom.
8. Finally, click on “Save”.

The screenshot shows the 'List of witnesses' page in the EIDA application. At the top, there is a navigation bar with links for 'EIDA', 'Admin actions', 'Manage documents', 'Computer vision tasks', and a user profile for 'Lucie Lelievre'. Below the navigation is a search form titled 'List of witnesses' with fields for 'Full-text search', 'Type', 'Conservation place', 'Work', 'Language', 'Tag', 'Minimum date', and 'Maximum date'. There is also a 'Search' button and a '+ Add' button. Below the search form, there are two entries listed:

- MS London, Wellcome Library, Persian 47a - Iskandar's Nativity Book | Wellcome**
Work: MS London, Wellcome Library, Persian 47a - Iskandar's Nativity Book
Dates: Page number: 190 pp.
Identification number: MS London, Wellcome Library, Persian 47a - Iskandar's Nativity Book
- Fazıl Ahmed Paşa 932 | Köprülü Library**
Work: Fazıl Ahmed Paşa 932
Dates: Page number: 190 pp.
Identification number: Fazıl Ahmed Paşa 932

At the bottom right, there is a 'Selection (0)' button.

In “List of witnesses”, you can see your witnesses and those of other users. At the top there is a form to search for witnesses.

Example :

List of witnesses

The screenshot shows a search interface for manuscripts. At the top, there are fields for 'Full-text search', 'Type' (set to 'Manuscript'), 'Identification number', 'Edition', 'Author', 'Language' (set to 'Latin'), 'Tag', 'Minimum date', and 'Maximum date'. Below these are two detailed entries:

- Latin 16648 | Bibliothèque nationale de France** (Public)

Work	Euclid Elements (Latin trans.)	Dates	1201-1300
Language	Latin	Page number	147 ff.
Creation place	Paris	Identification number	Latin 16648
- Latin 7374 | Bibliothèque nationale de France** (Public)

Work	Euclid Elements (Latin trans.)	Dates	1301-1400
Language	Latin	Page number	111 ff.
Creation place	Paris	Identification number	Latin 7374

If you click on a witness, you will see that :

All regions

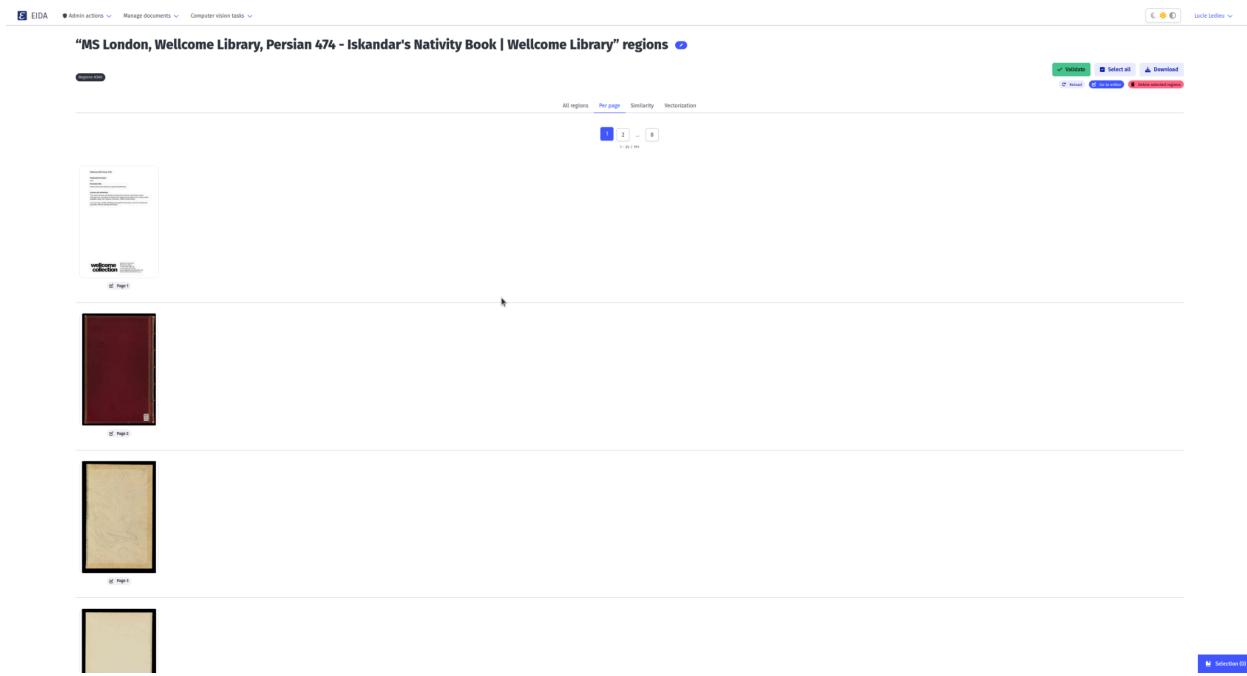
This screenshot shows a grid of small thumbnail images representing extracted regions from a manuscript page. The grid is organized in a 10x10 pattern. Above the grid, there are several buttons: 'All regions' (highlighted in green), 'Select all', 'Download', 'Validate', and 'Reload'. Below the grid, there are logos for ANR, CNRS, and IRCCyN. At the bottom, there is a footer with the text 'All rights reserved EIDA © 2025' and 'CC-BY and Rights of use'.

On this page we can see all the regions that were extracted from the witness. On the top right we can see different buttons :

- Validate : When you are sure of the results you can validate them.
- Select all : This selects all extracted regions.
- Download : This downloads all extracted regions.
- Reload : This refreshed the page.

- Go to the editor : This links to Mirador. You can change the region directly on the images.
- Delete selected regions : Please note that this button deletes the regions you have selected.

Per page



Here you can see all the extracted regions for each page.

Similarity

"gr. 2389 | Bibliothèque nationale de France" regions (best_eida_12_2023) [🔗](#)

[Select all regions correctly](#)

All regions	Per page	<u>Similarity</u>	Vectorization
Selected regions	10	Minimal score (0)	100.27798

1 2 ... 10
1 - 10 / 100

Map 8: 0 similar image
0 propagated match
No document selected. Select one to display results.
[View this image](#)

Map 9: 0 similar image
0 propagated match
No document selected. Select one to display results.
[View this image](#)

Map 10: 0 similar image
0 propagated match
No document selected. Select one to display results.
[View this image](#)

Map 11: 0 similar image
0 propagated match
No document selected. Select one to display results.
[View this image](#)

Map 12: 0 similar image
0 propagated match
No document selected. Select one to display results.
[View this image](#)

[Select All](#)

On this page we can see the results of similarity recognition.

Vectorization

"gr. 2389 | Bibliothèque nationale de France" regions (best_eida_12_2023) [🔗](#)

[Select all regions correctly](#)

All regions	Per page	<u>Similarity</u>	<u>Vectorization</u>
Selected regions	10	Minimal score (0)	100.27798

1 2 ... 10
1 - 10 / 100

Extracted region

[Download All](#)

1 2 ... 10
1 - 10 / 100

On this page, you can see the results of vectorization on the extracted images. For now there is only one vectorization model on AIKON. He is trained for astronomical diagrams. Vectorization transforms jpg files into svg files. On this page we can see svg files above a jpg file. It is possible to download the results in order to edit it on a software like [Inkscape](#).

Document set

Document Set

Personal collection of witnesses, works and series created by the user.

[List](#)

On AIKON, a document set is a personal collection of witnesses, works and series created by the user. If you click on “List” you can see your document sets and those of other users.

List of document sets

Full-text search

Title Witness

Series Work

1 - 19 / 19

Document set #75 Four Theorice Nove Planetarum #75 (4 documents)
sgessner 2020-04-29 09:49 [Load to selection](#)

Witness #20: Cod. 5200 | Österreichische Nationalbibliothek
Witness #150: Msc.Dresd.N100 | Sächsische Landesbibliothek - Staats- und Universitätsbibliothek
Witness #21: Pal. lat. 1385 | Biblioteca Apostolica Vaticana
Witness #207: 591 | Biblioteka Jagiellońska

Document set #73 (2 documents)
fsonier 2020-04-17 15:05 [Load to selection](#)

Witness #10: ML F39 | Meherjirana Library
Witness #103: MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book | Wellcome Library

Document set #28 Nicolo Conti v1 #28 (4 documents)
sgessner 2020-04-17 15:02 [Load to selection](#)

Witness #10: Lat. 7295a | Bibliothèque nationale de France
Witness #2: Vat. lat. 3279 | Biblioteca Apostolica Vaticana

To create a document set, go to the witnesses page. Choose the witnesses you want to put in your set by clicking on “Add to selection”.

1 2 ... 14

1 - 25 / 329

Persian 474 - Iskandar's Nativity Book | Wellcome [Add to selection](#)

Dates -

Page number 190 pp.

Identification number MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book

When you are done, click on the “Selection” button.

WORK - - - DATES - - -

Language Arabic **Page number** -

Creation place - **Identification number** Fazil Ahmed Paşa 932

Witness #351 gr. Z. 303 (coll. 0534) | Biblioteca Nazionale Marciana
szieme 2025-03-10 09:08

Remove from selection

Work Ptolemy | Almagest **Dates** 1300-1400

Language Ancient greek **Page number** -

Creation place - **Identification number** gr. Z. 303 (coll. 0534)

Witness #350 F1954.34 | National Museum of Asian Art, Smithsonian **Remove from selection**

sgessner 2025-02-12 17:33

Work Zakariyya ibn Muhammad al-Qazwini | Aja'ib al-makhlumat wa ghara'b al-mawjudat (The Wonders of Creation and the Oddities of Existence) **Dates** 1203-1283

Language Arabic **Page number** 1 ff.

Creation place Baghdad | IQ **Identification number** F1954.34

Witness #350 None | Unknown place of conservation
mlevy 2024-11-12 22:52

Add to selection **Selection (2)**

Then, click on “Save selection”.

Arabic Page number -

Identification number Fazil Ahmed Paşa 932

gr. Z. 303 (coll. 0534) | Biblioteca Nazionale Marciana
szieme 2025-03-10 09:08

F1954.34 | National Museum of Asian Art, Smithsonian
sgessner 2025-02-12 17:33

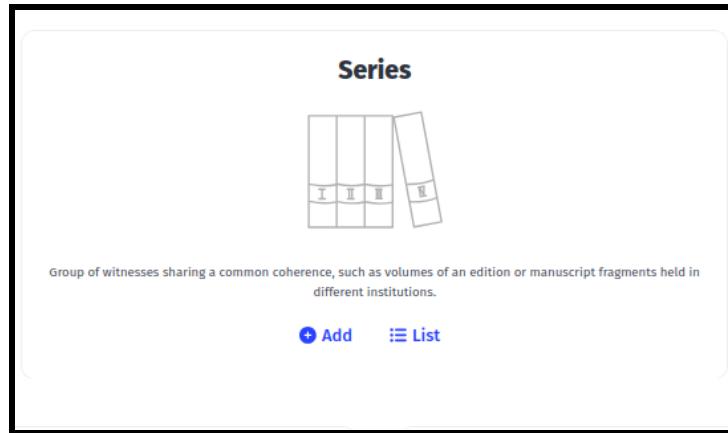
Witness

#350 F1954.34 | National Museum of Asian Art, Smithsonian
#351 gr. Z. 303 (coll. 0534) | Biblioteca Nazionale Marciana

Clear selection **Save selection**

Zakariyya ibn Muhammad al-Qazwini | Aja'ib al-makhlumat wa ghara'b al-mawjudat (The Wonders of Creation and the Oddities of Existence) Dates 1203-1283

Series



On AIKON, a serie is a group of witnesses sharing a common coherence, such as volume of an edition or manuscript fragments held in different institutions.

If you click on the “Add” button you arrive at a form which allows you to create a serie with its different volumes.

Home > Eida > Series > Add Series

Add Series None

Work: + X E **Edition:** + X E

Minimum date: **Maximum date:**

Conservation place: + X E

Additional notes:

Tag: +

Make it public Record details will be accessible to other users of the database.

Role: **Historical actor:** + X E

[Add another Role](#)

Volume

Volume: #1 X

Volume number: **Title of the volume:**

Digitization: #1 X

Type:

[Add another Digitization](#)

[Add another Volume](#)

Save

1. Work : Select the title of the work common to all volumes.
2. Edition : Select the edition.
3. Minimum date - Maximum date
4. Conservation place
5. Additional notes
6. Make it public
7. Role : Add an important actor (e.g. publisher, author...) - Historical actor : Select the name of the important actor
You can add many actors as you want by clicking on "Add another Role"

- Volume :

Volume : #1 :

1. Volume number
2. Title of the volume

Digitization : #1 : see on Witness part

You can add many volumes and digitizations as you want by clicking on “Add another digitization” and “Add another Volume”.

Work

Work



Abstract intellectual production, encompassing its core ideas and content across various manifestations.

[!\[\]\(23e0e79b0f453ea5e1678c4846252983_img.jpg\) Add](#) [!\[\]\(b3ffbc953d6fc79b5a9ee06a60bf5195_img.jpg\) List](#)

On AIKON, a work is an abstract intellectual production, encompassing its core ideas and content across various manifestations.

If you click on “Add” a form opens :

Add Work None

Title:

Author:

Minimum date:

Maximum date:

Creation place:

Additional notes:

Language:

Tag:



Save

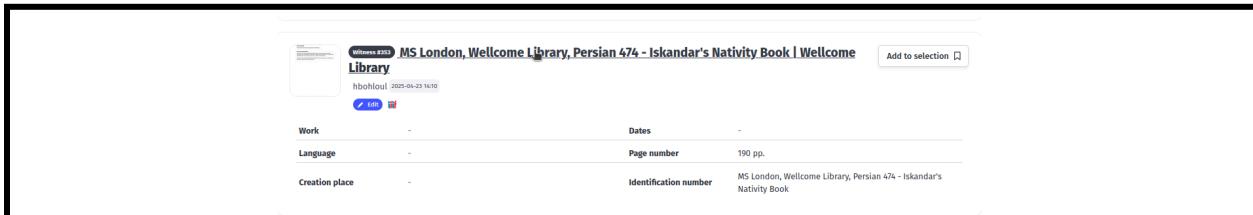
Save and continue editing

1. Title (e.g. Almagest)
2. Author (e. g. Ptolemy)
3. Minimum date - maximum date
4. Creation place
5. Additional notes
6. Language
7. Tags

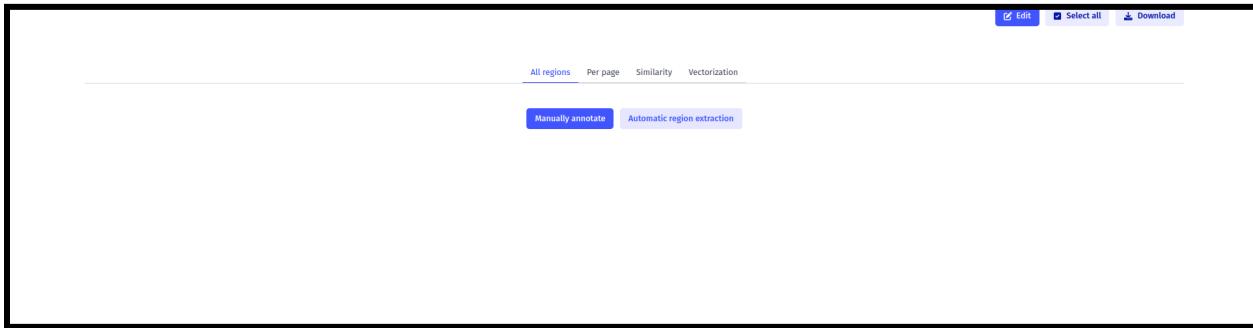
NB : It is important to fill in the metadata because it is very useful for searching using forms and for linking data together.

Automatic region extraction

- Click on your witness.



- Click on “Automatic region extraction”.



- Add new treatment and submit.

A screenshot of a "Add new treatment" form. It includes fields for "Task type" (set to "Image regions extraction"), "Document set" (set to "test_documentation | La rivière"), and a checked "Notify by email" checkbox. Below these, there's a "Extraction settings" section with a "Model" dropdown set to "Illustration extraction (YOLO model fine-tuned on historical illustrations.)". A "Submit" button is at the bottom.

The screenshot shows a web-based application for managing treatments. At the top, there are search filters for 'Full-text search', 'Task status' (with dropdowns for 'Select ...'), and 'Task type' (also with 'Select ...'). Below these are buttons for '+ Add' and a search bar with a magnifying glass icon. A navigation bar at the bottom includes a back arrow, a search icon, and a refresh icon. The main area displays a table with columns for 'Treatment ID', 'Regions', 'test_documentation', and 'La rivière'. The first row shows 'Treatment #51c66dd1-0f65-4662-a4a1-535af799b5b0', 'Regions | test_documentation | La rivière', and a status 'STARTED'. Below the table, a message says 'Witness #357 test_documentation | La rivière'.

NB : You can also go to the home page in “Treatment” to add and see the list of treatments.

The screenshot shows the 'Treatment' home page. The title 'Treatment' is centered at the top. Below it is a sub-instruction: 'Automated task applied to a witness or document set.' At the bottom are two buttons: a blue 'Add' button with a plus sign and a 'List' button with a list icon.

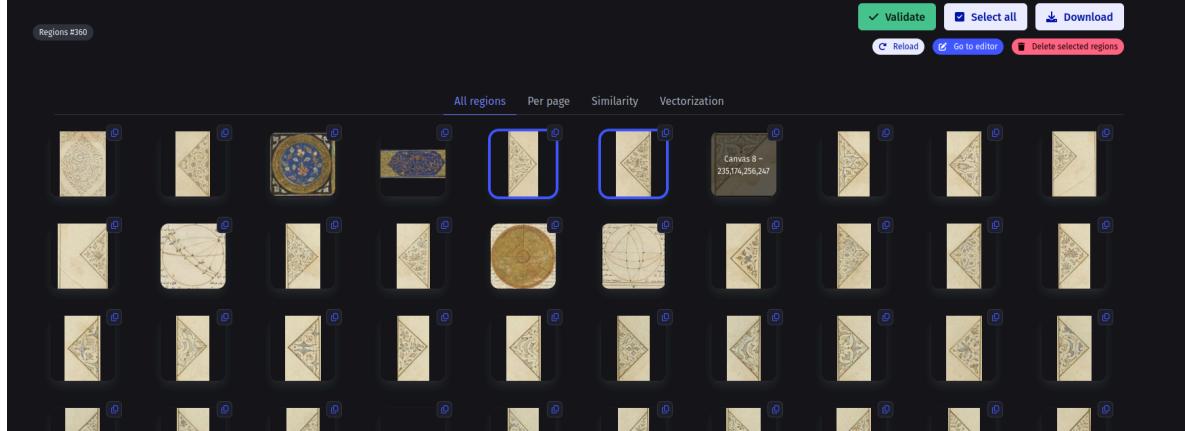
Edit and correct automatic results

- Return to the page “List of witness” by clicking on “Witness” in the “Manage documents” tab.
- Click on the title of your witness.

The screenshot shows the 'Witness' detail page for witness #353. The title is 'MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book | Wellcome Library'. Below the title, the user 'hbohloul' is listed with the timestamp '2025-04-23 14:10'. There are 'Edit' and 'View' buttons. The page contains several data fields: 'Work' (empty), 'Dates' (empty), 'Language' (empty), 'Page number' (190 pp.), 'Creation place' (empty), and 'Identification number' (MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book). A 'Add to selection' button is located in the top right corner.

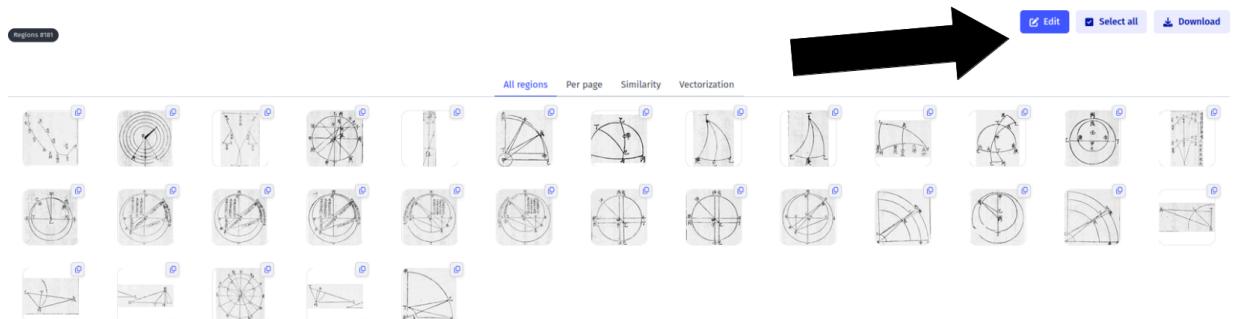
- To remove regions, you can click on Edit, then select images you wish to remove (= the ones that are not diagrams) by selecting them and click on “Delete selected regions”.

"MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book | Wellcome Library" regions

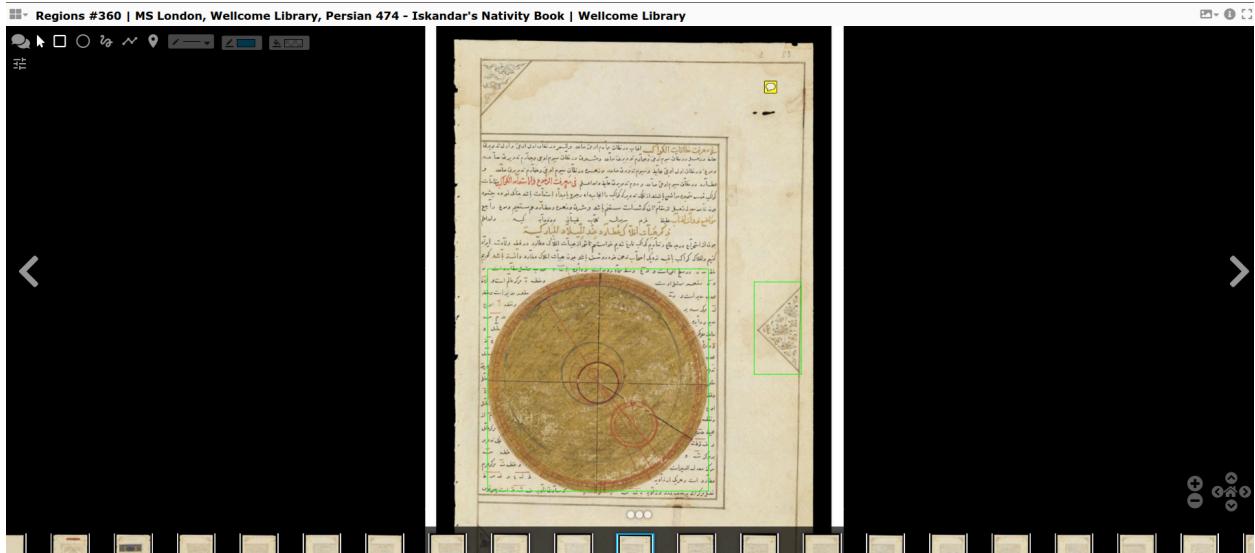


- To add regions, you can click on the Edit button.

"Chinois 4957" regions



- Then "Go to editor" if you need to add diagrams the model did not pick up. Then, you can click "Rectangle annotation" to add a bounding box for your diagram.



- When you are satisfied with the result, you can click “Validate”. To search for similarity, go to the “List of witness” page. Then, to search for similarity, you need to go to the list of witnesses page. Add your witness to a selection by clicking “Add to selection”.

Witness #352 Fazil Ahmed Paşa 932 Köprülü Library	
strigg	2025-03-27 15:32
Show regions	
Work	-
Language	Arabic
Creation place	-
Dates	-
Page number	-
Identification number	Fazil Ahmed Paşa 932

Witness #353 MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book Wellcome Library	
hbohlou	2025-04-04 12:30
Show regions	
Work	-
Language	-
Creation place	-
Dates	-
Page number	190 pp.
Identification number	MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book

1 ... 13 14

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- Then, add to selection other witnesses from the list you want to make the comparison with. In the “Selection” module (bottom right of the page), you can see the documents you have selected. When you are satisfied with the selection and want to launch a comparison, click “Save selection” then “Go to treatment”.

The screenshot shows a digital library interface with a central 'Document set' window. The window title is 'Document set (8)'. Inside, there's a list of 8 documents, each with a small thumbnail, a reference number, and the name of the library. The documents are:

- #17 Ayasofya 2583 | Süleymaniye Library
- #78 Samsun 810 | National Library (Milli Kütüphane)
- #79 Arab SM4285 | Houghton Library
- #82 Add MS 23397 | British Library
- #103 Fatih 3396 | Süleymaniye Library
- #104 Fatih 3397 | Süleymaniye Library
- #105 Yeni Cami 792 | Süleymaniye Library
- #353 MS London, Wellcome Library, Persian 474 - Iskandar's Nativity Book | Wellcome Library

At the bottom of the window are two buttons: 'Clear selection' and 'Save selection'.

- In the treatment form, select “Compute similarity score” and check the document set is the one you want to work with (the one you just created). You can request to be notified by email when the treatment is done and you can see the results.

The screenshot shows a 'Add new treatment' form. The form has the following fields:

- Task type:** A dropdown menu set to 'Compute similarity score'.
- Document set:** A dropdown menu set to 'DHNord Test #61 (3 documents)'.
- Notify by email:** A checkbox that is checked.
- Submit:** A blue 'Submit' button at the bottom right.

- When the treatment is over, you can see the results by clicking on “Similarity” on the page of your witness. You need to click the “current” button to see all of the diagrams the algorithm found.

