

International Medieval
Conference 2025

Exploring Digitised Medieval Manuscripts using IIIF

Basic concepts and hands-on workshop

July 10th, 2025

digitati 

Workshop agenda

Welcome and introduction

High level introduction to IIIF

Workshop activities

[https://imc-leeds-2025
.pages.dev/](https://imc-leeds-2025.pages.dev/)



Use case examples

Working with digitised Medieval Manuscripts

...ap. iii. Et ego nova facio
omnia. Omnia ergo in illi tempore
renovatio etiam omnia officia
a renovari. ut igitur eadē tempis
ab etiā diuinis sicut etiam p̄mo
agenus de festiuitatibus quiete
currunt usq; tempus renova
tōis. qd temp⁹ rep̄nit etiā ab
aduentū usq; ad nativitatem dñi.
Sed te illi que occurrit infra temp⁹
qd ḡm ostendit sub sepe r̄co
ciliatōis. p̄t̄m s̄b temp⁹ p̄gri
natōis. qd temp⁹ rep̄nit etiā a
nativitate usq; ad septuagēsimam.
Tempis de illis q̄ occurrit infra temp⁹
renovatio. qd temp⁹ rep̄nit etiā
a septuagēsimā usq; ad pascha.
Extempo de iis q̄ occurrit infra temp⁹
paschalitatis. qd temp⁹ rep̄
lentat etiā a pascha usq; ad oc
tava pentecostis. qd tempo de iis q̄ oc
currit infra temp⁹ p̄gnacōis. qd
temp⁹ rep̄nit etiā ab octava
pentecostis usq; ad aduentū dñi.
Dicitur prologus
in legendis sacerdotiis.
In auctoritate capi
aduentū dñi. tūla. 4.
De s̄o andrea. fo. vi.
De s̄o nicholao. fo. ii.
De sancta lucia. fo. vii.
De sancto thoma ap̄lo. fo. viii.
De nativitate dñi. fo. ix.
De s̄a anastasia. fo. viii.
De s̄o stephano. fo. viii.
De s̄o iohanne ap̄lo. fo. xi.
De s̄o iudeonib⁹. fo. xii.
De s̄o thoma cantuar. fo. xiii.
De s̄o lukestro. fo. xvi.
De canticione dñi. fo. xxix.
De epiphāia dñi. fo. xxx.
De sancto paulo benemēto. fo. xxxii.
De sancto remigio. fo. xxxiii.
De sancto hilario. fo. xxxv.
De sancto mathano. fo. xxxi.
De sancto felice in p̄mis. fo. xxxii.
De sancto marcello. fo. xxxvi.
De sancto anthonio. fo. xxxvii.
De sancto fabiano. fo. xxxviii.
De sancto sebastiano. fo. xxxix.
De sancta agnete. fo. xl.
De sancto vīncențio. fo. xli.
De sancto basilio. fo. xlii.
De sancto iohanne clōlinario. fo. xliii.
De confusione s̄t̄ pauli. fo. xliii.
De sancta paula. fo. xlii.
De sancto Julianō. fo. li.
De septuagēsimā. fo. liii.
De feragēsimā. fo. liii.
De quinquagēsimā. fo. liii.
De quadragēsimā. fo. liii.
De ieiunis matutinī temporis. fo. li.
De sancto Ignatō. fo. lii.
De p̄dicatore b̄e manē virginis. fo. liii.
De sancto blasio. fo. li.
De sancta agricola. fo. lii.
De sancta regalis. fo. liii.
De sancto fernando. fo. liii.
De sancto valentino. fo. liii.
De sancta juliana. fo. liii.
De cuncta s̄t̄ petri. fo. liii.
De sancto mathia ap̄lo. et de iuda. fo. liii.
De sancto gregorio. pp. flaminio. fo. liii.
De sancto longino. fo. liii.
De sancto bernardo. fo. liii.
De sancta p̄picio et eius sp̄nterio. fo. lii.
De annūciacione dñica sp̄plat. fo. lii.
De passione dñi. et vita et morte salomonis.

Analysis

As part of your work in research, study, education or public engagement, you may want to:

- View a specific manuscript
- Identify specific detail(s) or example(s)
- Transcribe sections of the text
- Annotate elements of the manuscript
- Capture or share examples for use



[Biblical and genealogical chronicle] x UV Universal Viewer x | +

explore.library.leeds.ac.uk/special-collections-explore/372705/biblical_and_genealogical_chronicle_from_adam_and

UNIVERSITY OF LEEDS

Library

HOME SPECIAL COLLECTIONS NEW SEARCH HELP

Search Special Collections SEARCH ADVANCED ▾

OPTIONS NEW SEARCH / [BIBLICAL AND GENEALOGICAL CHRONICLE FRO...]

Collection hierarchy ⓘ

Collection BC MS Medieval Manuscripts (Brotherton Collection)

Item BC MS 100 [Biblical and genealogical chronicle from Adam and Eve to Louis XI of France]

◀ PREVIOUS FILE

NEXT ITEM ➤

IN THIS COLLECTION ☰

Related subjects

Bible
Crusades
History, Ancient
Kings and rulers
Manuscripts, Latin (Medieval and modern)
Papacy

VISIT SPECIAL COLLECTIONS ➤

[Biblical and genealogical chronicle from Adam and Eve to Louis XI of France]

ARCHIVE ITEM: BC MS 100 CONTAINS RECORDS WITH DIGITAL MEDIA ☰

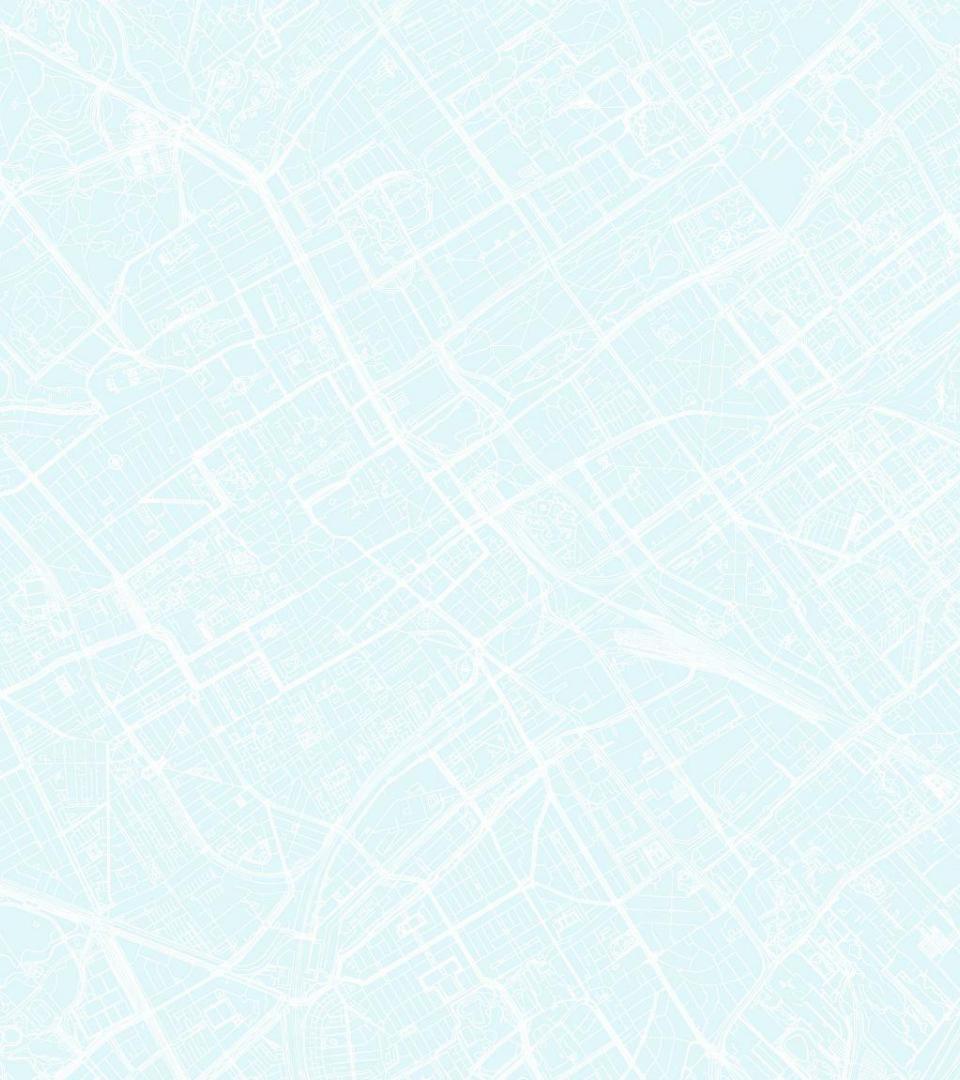
ABOUT IN THIS COLLECTION VISITOR ITEMS

☰ [Biblical and genealogical chronicle from Adam and Eve to Louis XI of France] ☰ ☰



What is IIIF?

A brief introduction to IIIF



Usually pronounced...

“Triple Eye Eff”



the...

International...

Image*...

Interoperability...

Framework...





How Does It Work?

Two core APIs



Image API: “Get pixels” via a simple, RESTful, web service

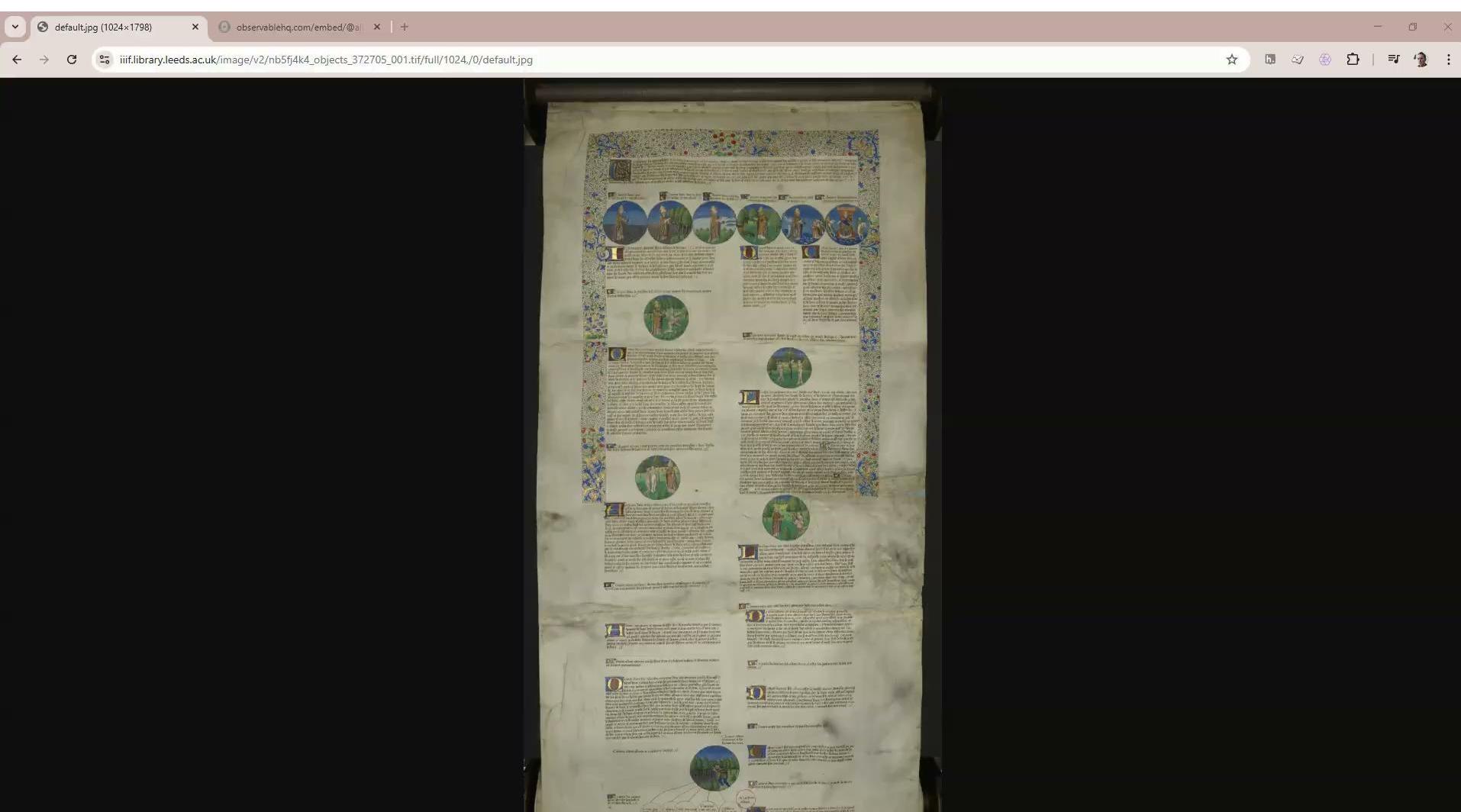


Presentation API: Just enough metadata to drive a remote viewing experience

https://iiif.library.leeds.ac.uk/image/v2/nb5fj4k4_objects_372705_001.tif/full/1024,0/default.jpg

Image API provides a standard route to access and interact with images:

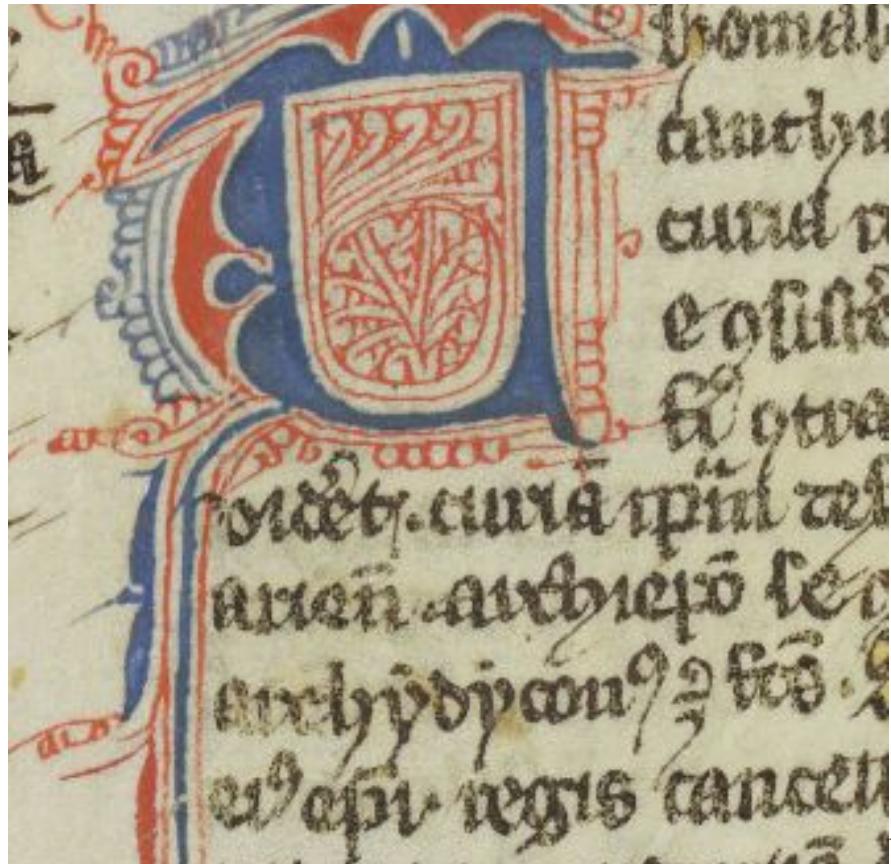
- Image Identifier (URL)
- Region
- Size
- Rotation
- Quality
- Format

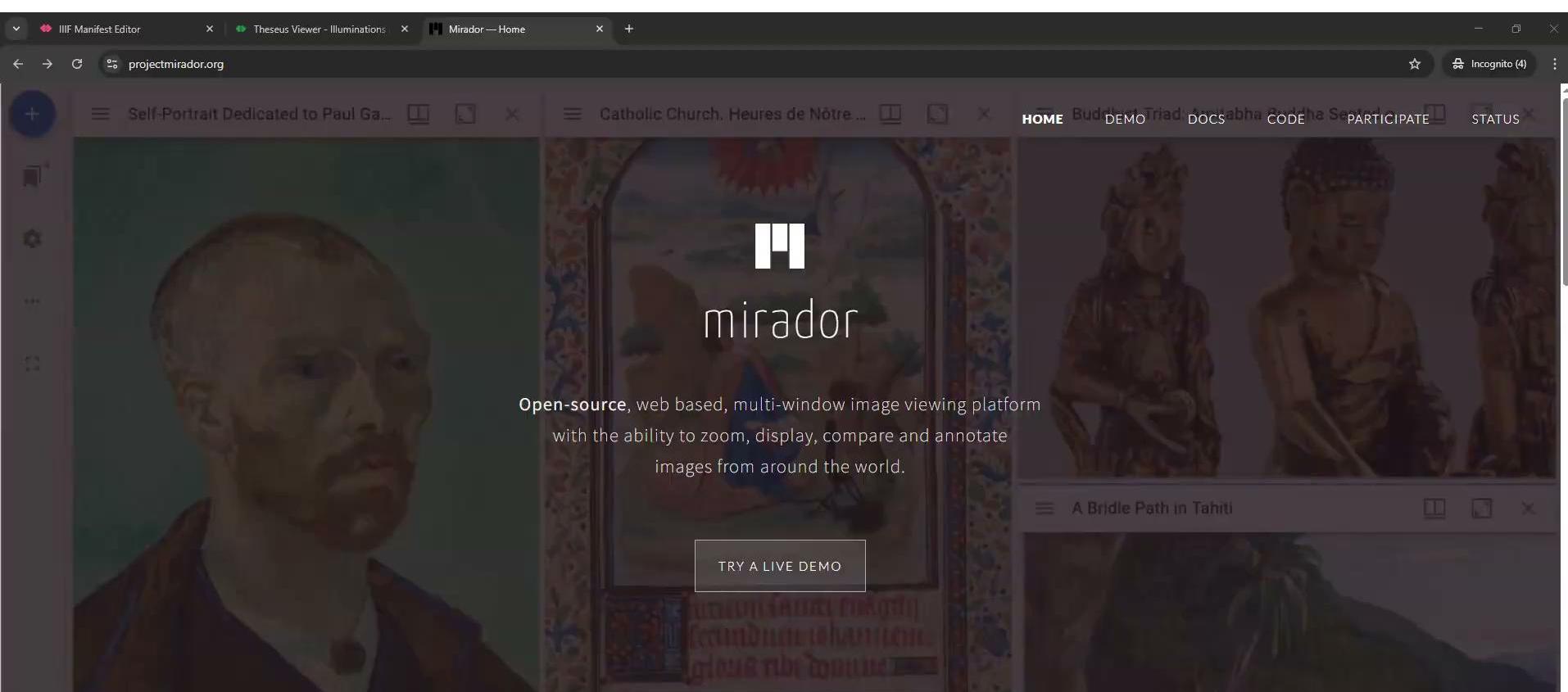


Comparative Analysis

As part of your work in research, study, education or public engagement you may need to:

- Compare differing versions of the same manuscript
- Assess different interpretations across different manuscripts
- Recreate full pages of a manuscript reuniting missing elements





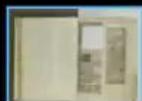
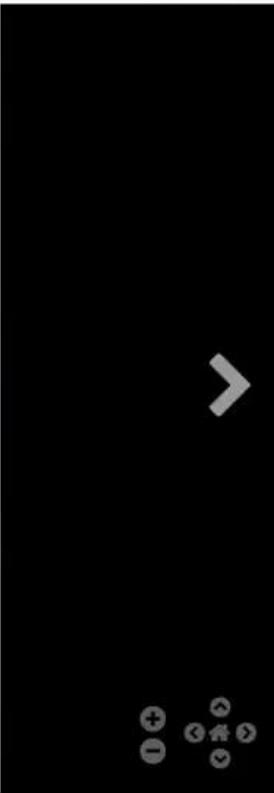
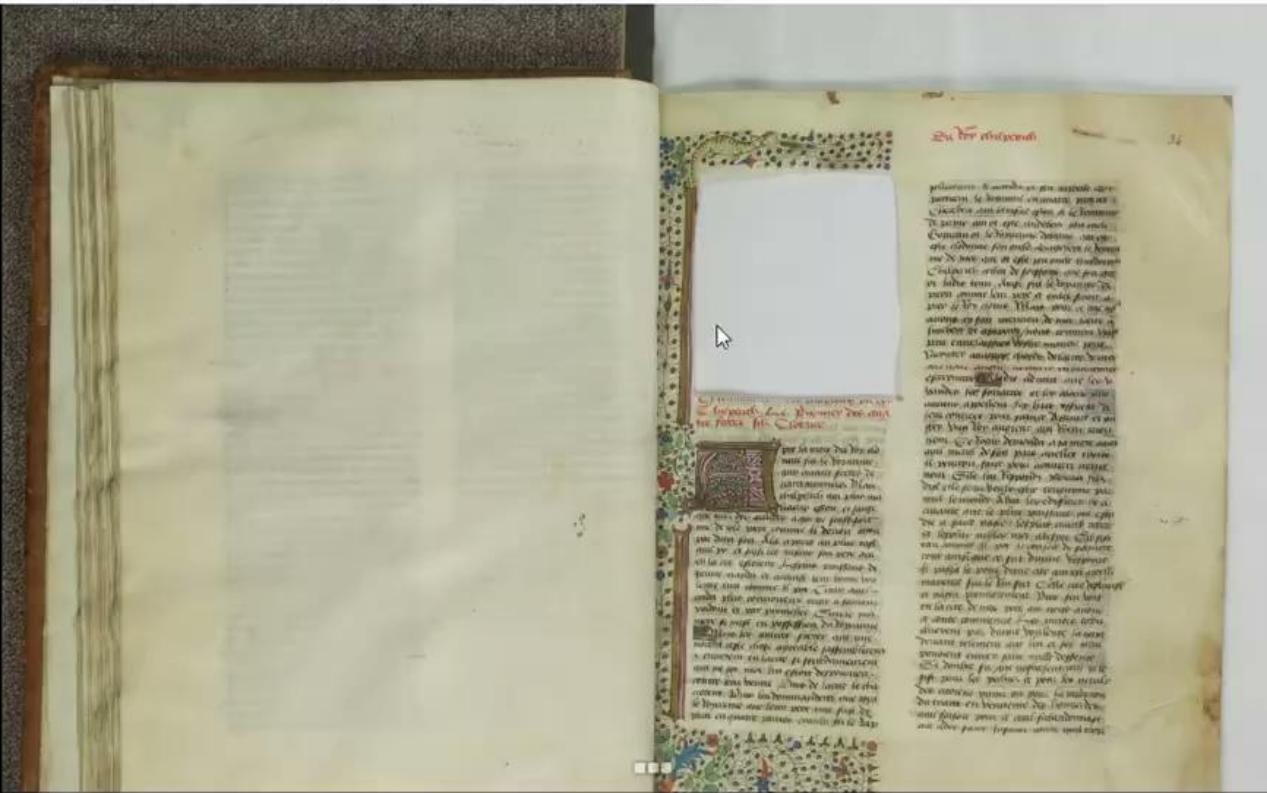
FULLY FEATURED IIIF VIEWER

Mirador is a configurable, extensible, and easy-to-integrate image viewer, which enables image annotation and comparison of images from



Grain elevators, Caldwell, Idaho, by Lee Russell, 1941.
<http://www.loc.gov/pictures/resource/fsac.1a34206/>

Reconstructed manifest (partial): Grandes Chroniques de France (Châteauroux, BM, ms 5)



f. 033v - 034



f. 034v - 035



f. 045v - 046



f. 046v - 047



f. 053v - 054



f. 054v - 055



f. 067v - 068



f. 068v - 069



f. 080v - 081



f. 081v - 082



Descriptive Semantics



Presentation Semantics



The Human Presentation API is just how we navigate the world

A manuscript.

A painting.

A book.

A sculpture.

An opera.

A long-playing record.

A film.

A map.

An aural history field recording.

A videocassette of a public information film.

A laboratory notebook.

A diary.

A manifest is what you open in your player/viewer/annotation workbench

And what's a IIIF Manifest?

It's a document for **presenting digital objects
(not **describing** them)**

It's also JSON - nice for developers.

It's also linked data - nice for semantic web enthusiasts.

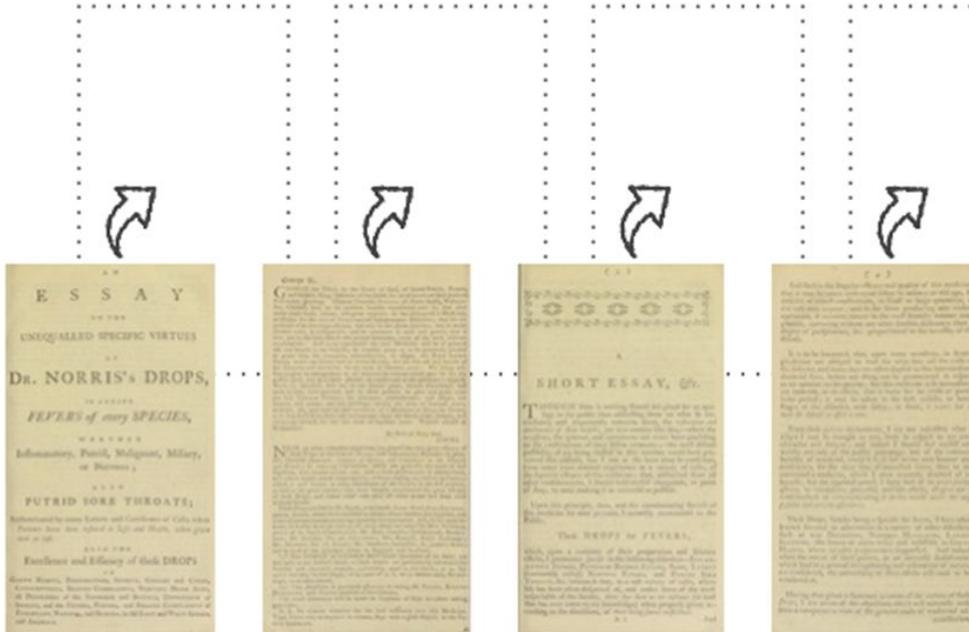
IIIF is driven by cultural heritage use cases, but not limited to them

By publishing a manifest, you publish a list of one or more abstract extents to the web, which you can paint content on via annotation.

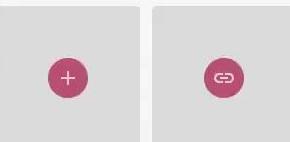
Other people can make statements about - annotate - these extents too.

- A Manifest is a document with one or more canvases

IIIF Manifest



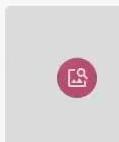
Get started



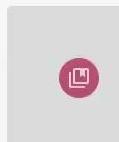
[Create new manifest](#) [Open manifest URL](#)



[Open manifest file](#)



[Browse for III](#)



Create Collection



Cross streets



Poems in the Scottish dialect



Ocean Liners



Wunder der Vererbung



James Webb Space Telescop
Image



Self-Portrait Dedicated to Paul Gauguin



Illuminations



Guillaume de Machaut

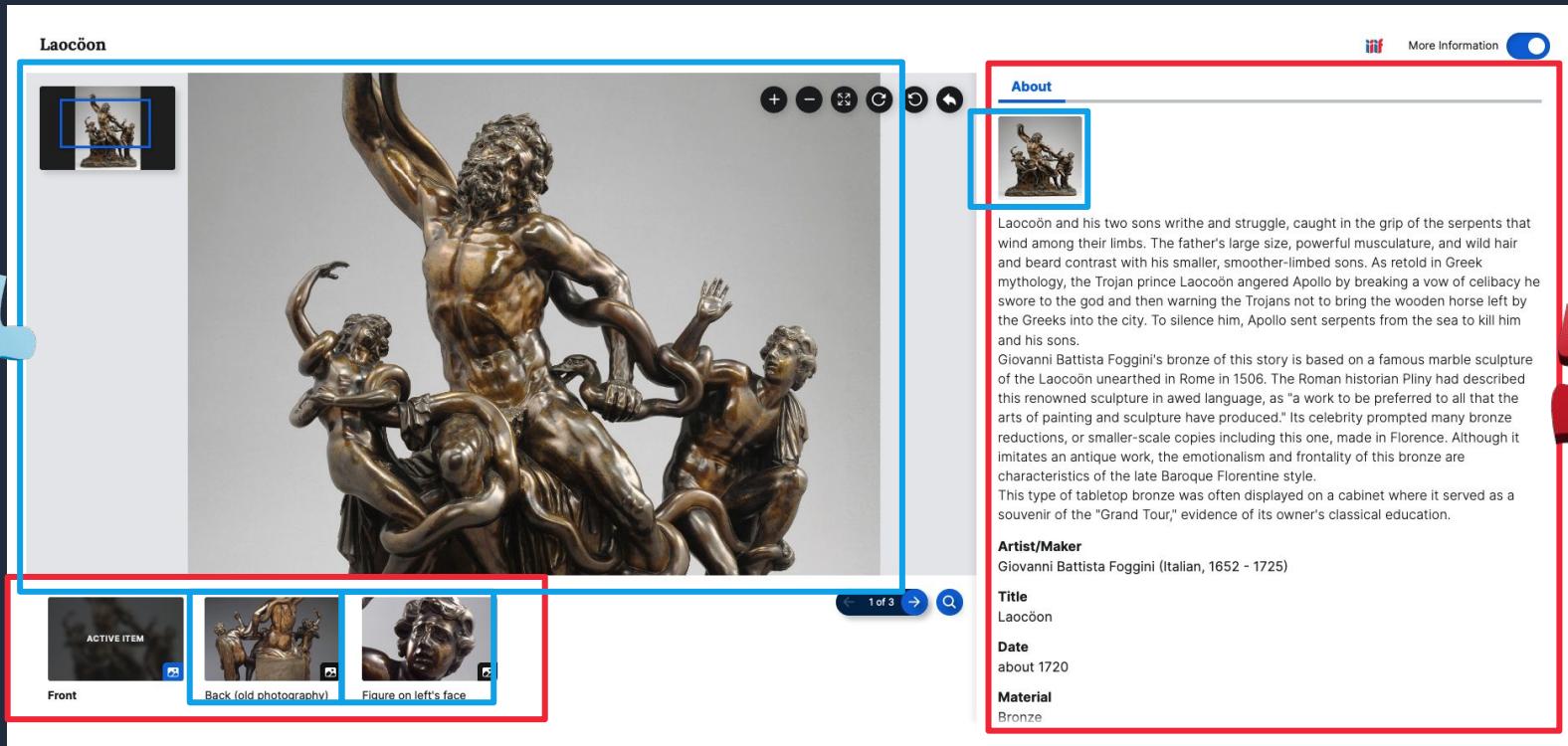


Scroll



Ōmi Kuni-ezu

Image + Presentation = Object



Create engaging presentation(s)

To support the presentation of the results of your work, or to engage with your students or a wider audience:

- Include specific image details in a blog post or website
- Curate a selection of digitised material to share
- Create an engaging exhibition that showcases the material and your work





QUICK LINKS

Homepage
Colophon
Quill: Introduction
Quill: Glossary

ROUTES

Books for Professional Use
Liberal Arts and Education
Religion and Devotion

OVERVIEWS

Manuscripts by shelfmark
Manuscripts by century
Manuscripts by country



Books for professional use



A royal owner

≡ (Omnia germanice) VCF 13

+ - ⌂ ⌂ ⌂ ⌂

1 of 461 • band1

[VCF 13](#) (Germany, 1575-1600): *Tractatatus de lapide philosophorum* (Treatise on the philosopher's stone), paper, 453 fols., 310 x 196 mm, 1 col., 22-24 lines.

Manuscripts were often used by a variety of readers. The first reader of this manuscript, the

founder of the university, was a member of the Order of the Holy Cross (1552-1560). See

4. ROMAN BOOK CAPITAL

4.1 So-called "elegant" capital

5. THE ORIGIN OF MINUSCULE

6. NEW ROMAN CURSIVE

7. UNCIAL

7.1 Use and characteristics of uncial

8. SEMI-UNCIAL

8.1 Use and characteristics of the semi-uncial

9. EARLY MEDIEVAL GRAPHIC DIFFERENTIATION IN EUROPE

10. INSULAR SCRIPTS

10.1 Insular majuscule (or round insular)

10.2 Insular minuscule

10.3 The capital insular alphabet

10.4 System of abbreviation and ligatures

10.5 Insular script outside of the islands

11. MEROVINGIAN AND THE BOOKHANDS OF THE FRANKISH REGIONS

11.1 Bookhands of the frankish regions

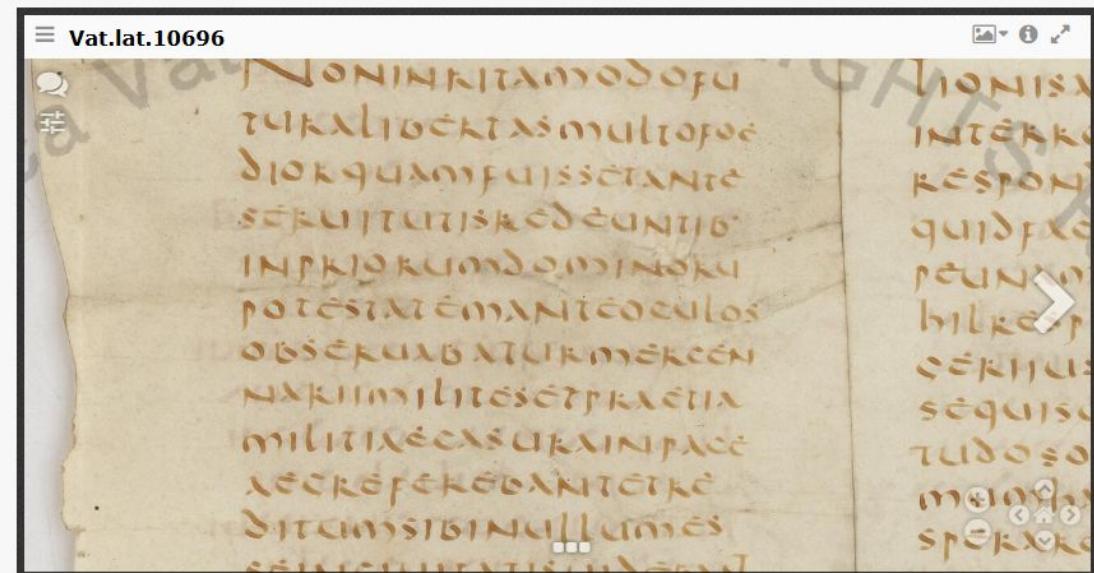
12. VISIGOTHIC

12.1. Use and characteristics of visigothic

13. THE SCRIPTS OF THE ITALIC AREA

The origin of Uncial is attributed to several factors: the need to make the forms of primitive minuscule more elegant; the adoption of the quill pen to facilitate the drawing of the curves and perhaps even the deliberate will of a writing teacher. According to some historians, this teacher would have belonged to an African writing center, while others think he is to be associated with a center in Italy. In fact, the major centers of book production in Late Antiquity era were located in Africa and Italy. In addition, some paleographers also recognize the more or less direct influence of the biblical capital script used for Greek texts, which was a writing characterized by elegantly round shapes that emerged in the first half of the 3rd century.

The term "Uncial" was used for the first time by the scholars of the Benedictine Congregation of St. Maurice (Maurini), Charles François Toustain and René Prosper Tassin in the *Nouveau traité de diplomatique* (vol. II, Paris 1755, p. 510-511). It originated from a questionable interpretation of a passage written by Jerome in the introduction to his translation of the book of Job. Jerome argues with the graphic culture of his time, which is attentive not to the content of the writings but only to the shape and elegance of the letters. In such a context, he uses the expression "*litterae unciales*." Various hypotheses have been made about this usage, all of which are prone to criticism and have been entirely criticized. Perhaps Jerome meant to say Capitals in which pagan literature was written; *uncia* is a particular dimension (one twelfth of a foot) and therefore Jerome might have been referring to letters that occupy a large space. *Uncia* also signifies a particular weight (one twelfth of a pound) and therefore could refer to letters to be traced with an ounce of gold. The word *unciales* could also be an incorrect reading of the word *initialis*; as well as other hypotheses. In essence, however, Jerome probably did not intend to indicate a specific type of writing, but only to mark the difference of his poor but correct notepaper with the *de luxe* codices written with solemn characters.



- Why is this object in the exhibition?
- *Here is a blog post about this painting*
- There's no video available here, but this is the screenplay for this missing 20 minutes of *The Magnificent Ambersons*
- ...and here are some production stills for 49m23s-51m17s
- “Tourteletes in fryture” means “Small fig pies basted with honey”
- *Here is the curator’s essay for this collection*
- Here is a transcription of this letter
- *Here is an article about this correspondence*
- These four engravings are all views from this location

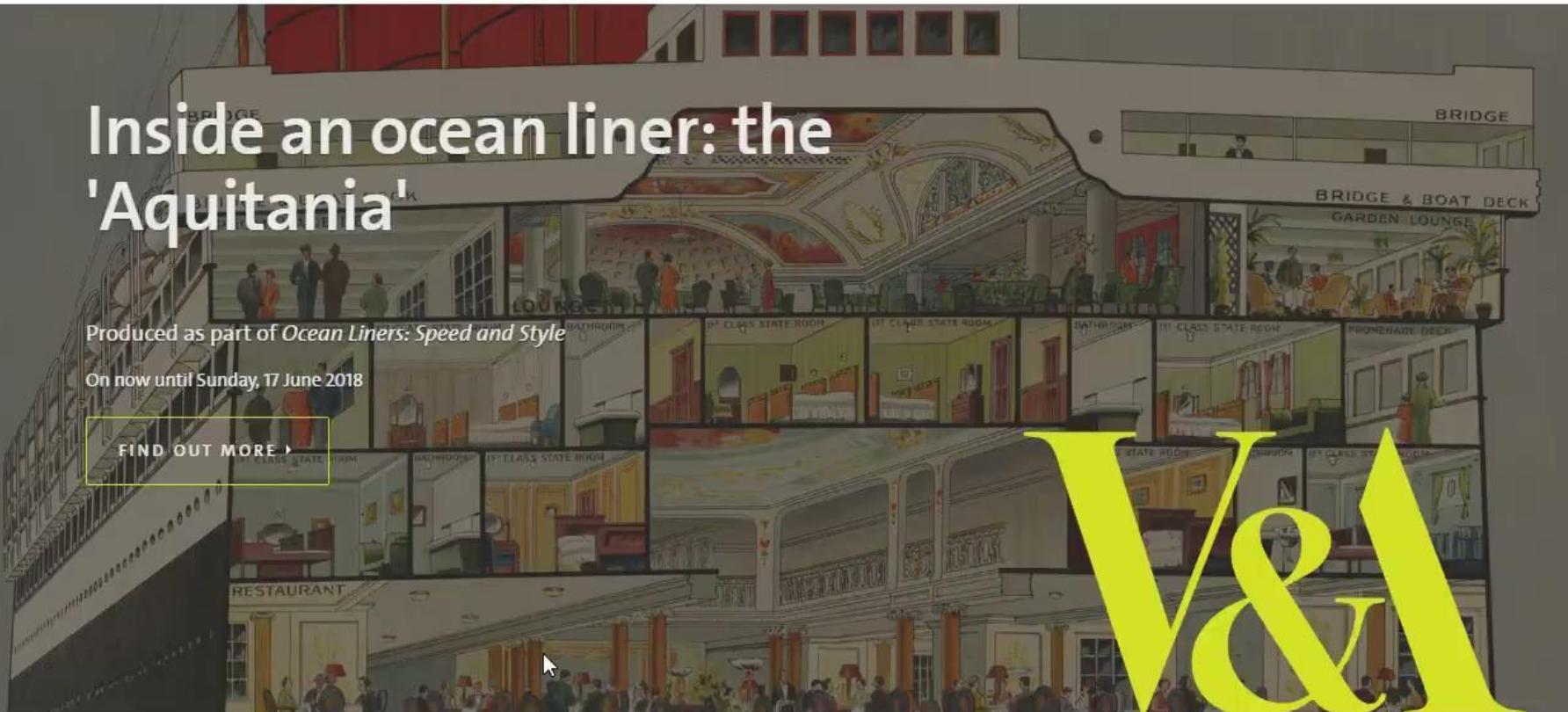


Inside an ocean liner: the 'Aquitania'

Produced as part of *Ocean Liners: Speed and Style*

On now until Sunday, 17 June 2018

[FIND OUT MORE ▶](#)



SHARE



IIIF Manifest Editor manifest-editor.digirati.services/?tab=recent

Manifest Editor

Github Documentation

Get started

Create new manifest Open manifest URL Open manifest file Browse for IIIF Create Collection

Recent Examples

Cross streets Poems in the Scottish dialect Ocean Liners Wunder der Vererbung James Webb Space Telescope Image Self-Portrait Dedicated to Paul Gauguin Illuminations

Guillaume de Machaut Scroll Ōmi Kuni-ezu

The screenshot shows the IIIF Manifest Editor interface. At the top, there are five large buttons: 'Create new manifest' (plus sign), 'Open manifest URL' (link icon), 'Open manifest file' (document icon), 'Browse for IIIF' (magnifying glass icon), and 'Create Collection' (square icon). Below these are two tabs: 'Recent' (selected) and 'Examples'. The 'Recent' tab shows a thumbnail of a street scene with a white van. The 'Examples' tab shows seven thumbnails with titles: 'Poems in the Scottish dialect' (a colorful abstract pattern), 'Ocean Liners' (a collage of ship images), 'Wunder der Vererbung' (a book cover with German text), 'James Webb Space Telescope Image' (a dark image of galaxies), 'Self-Portrait Dedicated to Paul Gauguin' (a painting of a man with a beard), and 'Illuminations' (a medieval-style manuscript page). At the bottom, there are three more thumbnails: 'Guillaume de Machaut' (a medieval manuscript page), 'Scroll' (a Japanese scroll with vertical text), and 'Ōmi Kuni-ezu' (a map of the Ōmi region). A color calibration strip is visible on the right side of the screen.

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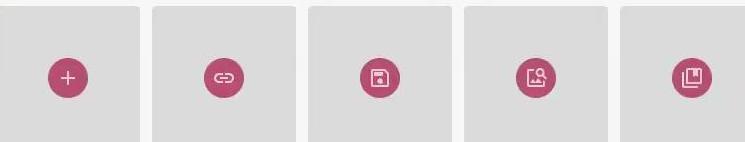
IIIF Activities



Manifest Editor

Github Documentation

Get started



Create new manifest Open manifest URL Open manifest file Browse for IIIF Create Collection

Recent

Examples



[Cross streets](#)



[Poems in the Scottish dialect](#)



[Ocean Liners](#)



[Wunder der Vererbung](#)



[James Webb Space Telescope Image](#)



[Self-Portrait Dedicated to Paul Gauguin](#)



[Illuminations](#)



[Guillaume de Machaut](#)



[Scroll](#)



[Ōmi Kuni-ezu](#)

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Further IIIF context



What are the contexts where IIIF is used?

- Libraries (small libraries up to national libraries)
- Museum (curatorial, education, etc.)
- Scholarship and research
- Teaching and instruction (Secondary and above)
- Digital humanities projects
- AI/machine learning projects
- STEM -- bio imaging, life sciences, etc.
- ... and many more!

IIIF Community & Consortium



IIIF Community Groups

- 3D
- AI/ML
- Audio/Visual
- Education
- Maps
- Museums
- Outreach



<http://iiif.io/community/groups>

Thank you!

<https://digidigitati.com>

contact@digidigitati.com

