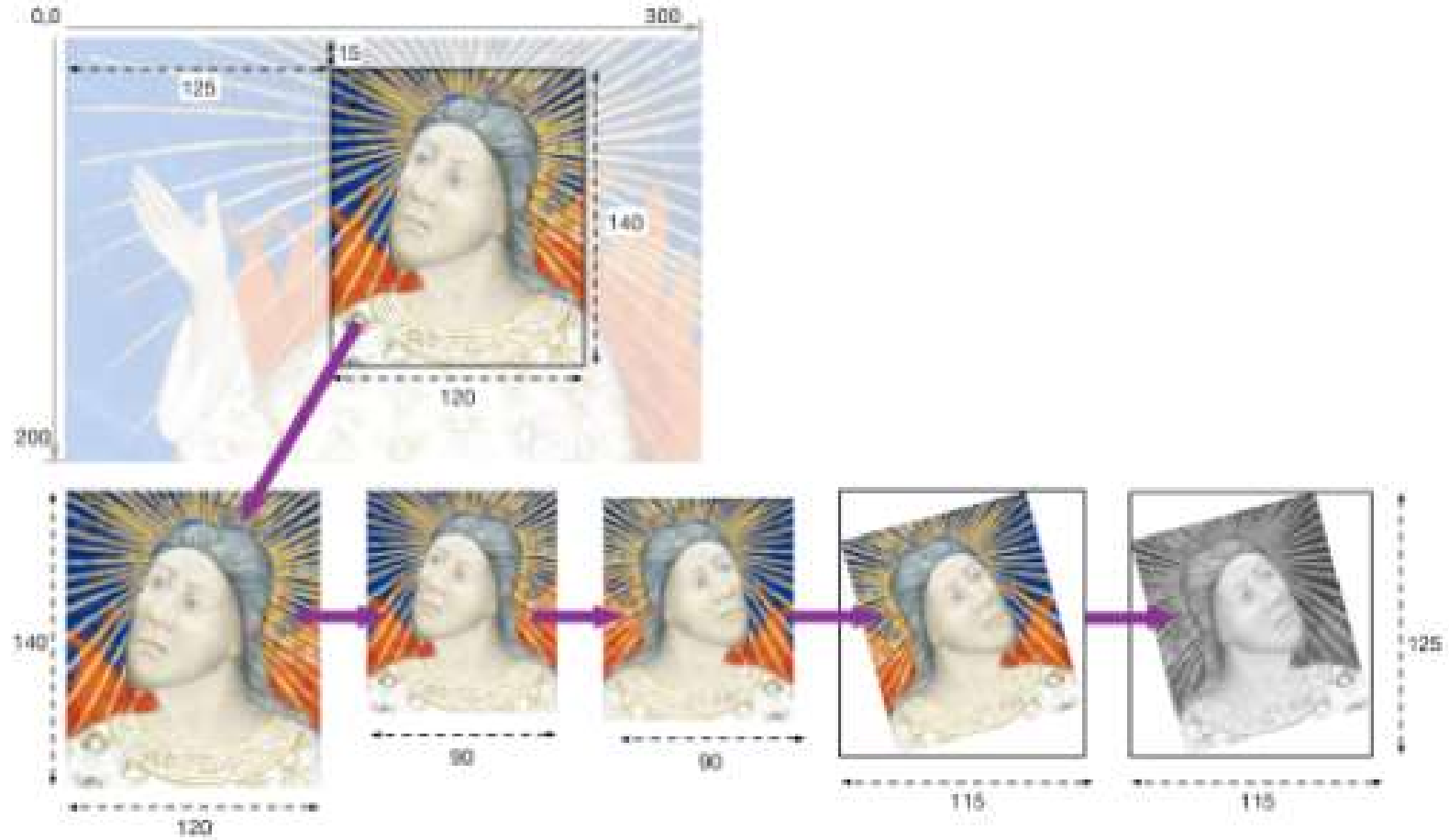


# IIIF APIs & Demonstrations

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Stanford Libraries  
@mejackreed

Content credit: Mike Appleby

# Image API



**1** region=125,15,120,140 size=90, rotation=1345 quality=gray  
.../125,15,120,140/90,/1345/gray.jpg

# Victoria & Albert Museum Compariscope: Constable's Hadley Castle

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Home → Collections → Search → Hadleigh Castle

**Search Details**

**Creator:** John Constable, 1776–1837, British

**Title:** Hadleigh Castle

**Alternate Title(s):** Sketch of Hadleigh Castle  
View: Study of Five Hundred Castle  
Five Hundred Castle  
II Castle of Hadleigh

**Date:** 1804 to 1809

**Medium:** Oil on parchment

**Dimensions:** 7 7/8 x 9 7/16 inches (20 x 24 cm) Frame: 11 1/2 x 12 inches (29.2 x 30.5 cm)

**Credit Line:** Yale Center for British Art, Paul Mellon Collection

**Accession Number:** B2000.141

**Collection:** Paintings and Sculpture

**Link to This Record:** <http://collections.britishart.yale.edu/record/B2000.141>

**Subject:** architecture | birds | castle | clouds | landscape | landscape | Medieval | architecture | Norman | castle | rock | Romantic | ruins | towers | sky | stone | tower | building division | wind

**Place Represented:** England | Essex | Suffolk | Hadleigh | Hadleigh Castle | Thames | Thames Estuary | United Kingdom



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Daily records with images  
Best quality records including image and related description

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**Hadleigh Castle, near Southend**

<b>Artist:</b>	Henry
<b>Place of origin:</b>	England (Great)
<b>Date:</b>	1813 (exact)
<b>Artist/Maker:</b>	John Constable, born 1776 - died 1837 (exact)
<b>Materials and Techniques:</b>	Pencil
<b>Credit Line:</b>	Given by Henry Constable, daughter of the artist
<b>Museum number:</b>	(J.23A.155)
<b>Gallery location:</b>	Prints & Drawings Study Room, Level C, room 0920a, until 0930

**View information**

**Physical description**  
Page from a sketch book. Pencil drawing of Hadleigh castle.

**Place of Origin**  
England (Great)



Hadleigh Castle, near Southend  
John Constable, born 1776 - died 1837

Enlarge image



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Home → Collections → Search → Hadleigh Castle, The Mouth of the Thames—Morning after a Heavy Night

**Search Details**

**Creator:** John Constable, 1776–1837, British

**Title:** Hadleigh Castle, The Mouth of the Thames—Morning after a Heavy Night

**Alternate Title(s):** Hadleigh Castle  
II Castle of Hadleigh

**Date:** 1809

**Medium:** Oil on canvas

**Dimensions:** 48 x 64 3/4 inches (121.9 x 164.9 cm) Frame: 59 1/2 x 76 1/4 inches (151.1 x 193.2 cm)

**Credit Line:** Yale Center for British Art, Paul Mellon Collection

**Accession Number:** B1777.14.02

**Collection:** Paintings and Sculpture

**Conservation Comment:** In the famous letter of 29 October 1813 to his friend Archibald Fisher, John Constable reported: "I have not been idle and have made more particular and general study than I have ever done in my own country, but I am most anxious to get into my London painting room, for I do not consider myself at work without I am before a six foot canvas" (Constable, "Lionsgondouin", p. 180). To some extent, the scale of Constable's great "six footer" landscape paintings reflected both his high aspirations for knowledge in general, and his desire for professional recognition and financial security. Yet Hadleigh Castle, which seems relatively late in the sequence of six-footers, is among

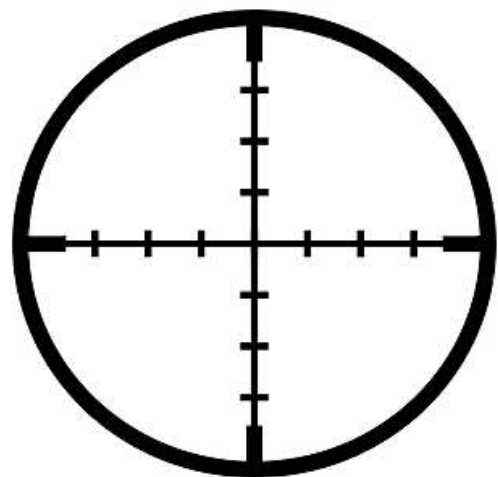


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I



Preview

# Constable – the process



V&A

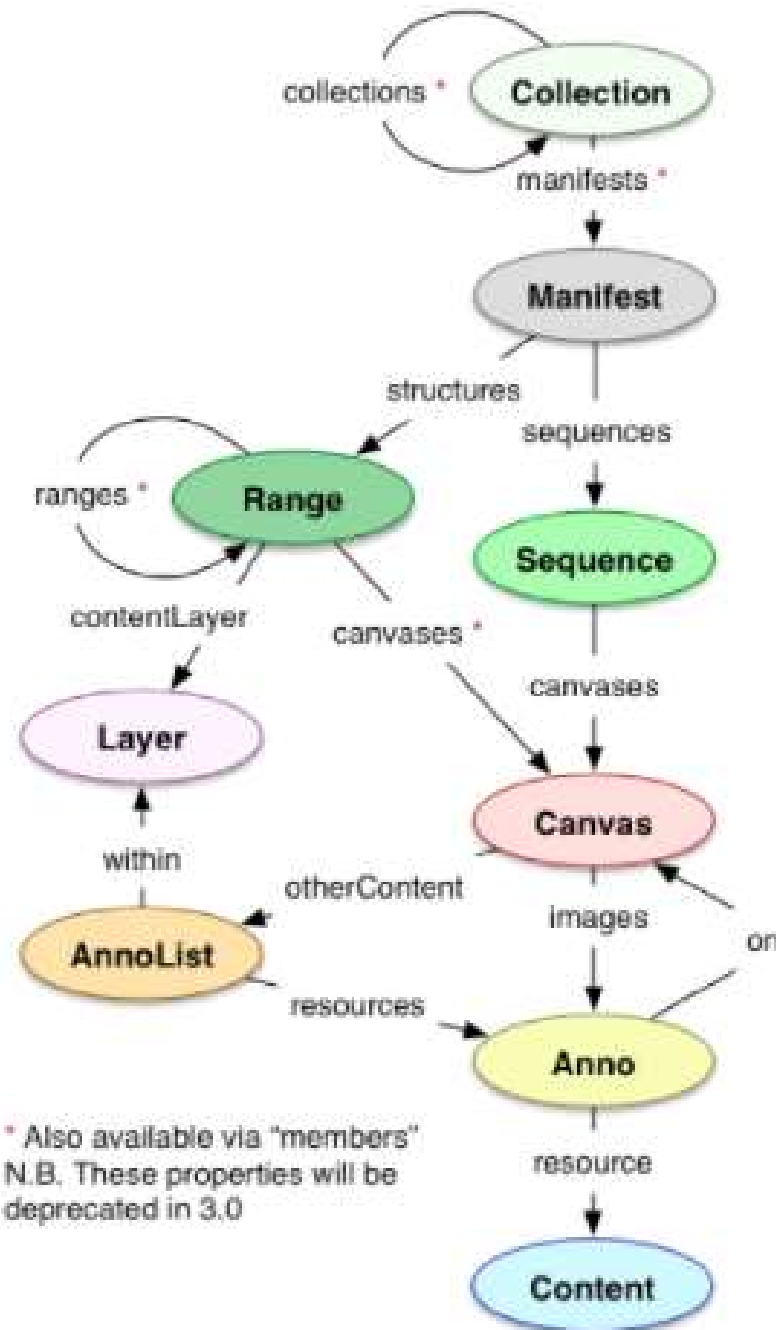
In preparation for the V&A's 2014 major exhibition, 'Constable: Making of a Master' a number of the Museum's oil sketches by John Constable were remounted and reframed. The process revealed many surprising discoveries, including a previously unrecorded work, hidden by an old canvas lining.

SHARE



# Presentation API

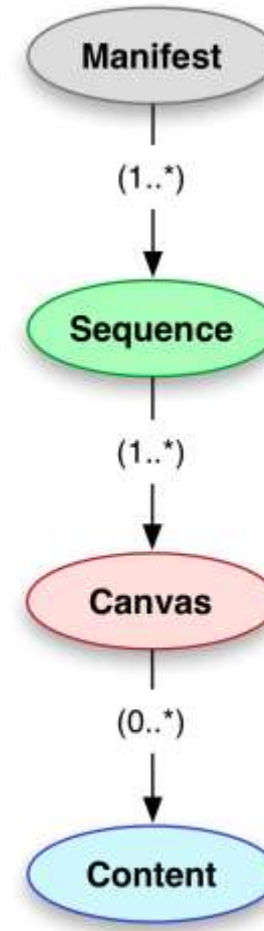
“The objective of the IIF Presentation API is to provide the information necessary to allow a rich, online viewing environment for primarily image-based objects to be presented to a human user, likely in conjunction with the IIF Image API.”



# Presentation API

The IIIF Manifest contains the data necessary to represent an object.

“**Manifest:** The overall description of the structure and properties of the digital representation of an object. It carries information needed for the viewer to present the digitized content to the user, such as a title and other descriptive information about the object or the intellectual work that it conveys. Each manifest describes how to present a single object such as a book, a photograph, or a statue.”



# Presentation API



A Canvas is a coordinate space with X and Y dimensions (width and height).

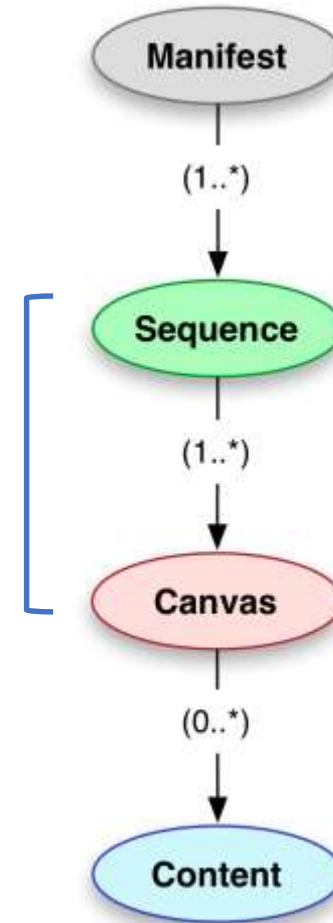
Images are associated with the Canvas via Open Annotation.  
(In Presentation API 3.0, W3C Web Annotations will be used.)



# Presentation API

A Manifest contains one or more Sequences.

Each Sequence contains an ordered list of Canvases.



(seq. 2)



(seq. 3)



(seq. 4)



(seq. 5)



(seq. 6)

# Presentation API: Other Properties

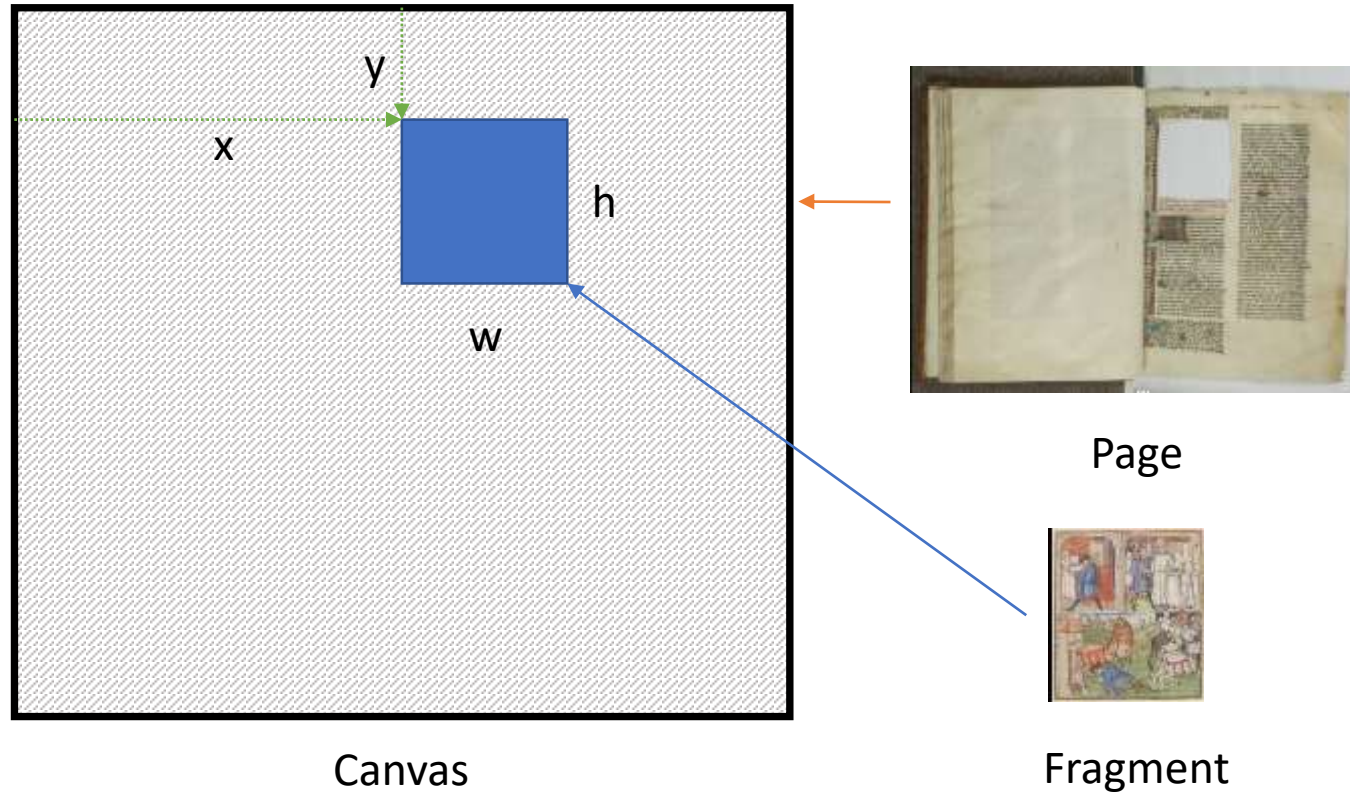
- Descriptive Properties  
(label, metadata, description, thumbnail)
- Rights and Licensing Properties  
(attribution, license, logo)
- Technical Properties  
(viewing direction, viewing hints, width, height, ...)
- Linking Properties  
(related, see also, start canvas, within, ... )
- Paging Properties  
(first, last, next, total)

# Audio-Visual

- IIF Presentation API 3.0 will expand the notion of a Canvas from an x,y space by adding a time dimension
- This will allow for annotation of audio and video onto the Canvas at specific points in time
- Images, text, and other content can also be annotated on to the Canvas
- The video on the following slide shows the combination of video, still images, and text, all annotated on to a single canvas.



# Presentation API: Reconstruction of a Manuscript Folio



# Demonstration: Manuscript Reconstruction

The screenshot displays a digital interface for a manuscript reconstruction project. The main window shows a double-page spread of a manuscript. The left page is mostly blank, while the right page features a large, ornate initial 'L' decorated with floral patterns and a block of text in a Gothic script. The interface includes a top navigation bar with 'Change Layout' and 'Full Screen' options. Below the main view, a horizontal strip of thumbnails shows a sequence of pages from f. 033v to f. 068v. On the left side, a sidebar contains a 'Layers' panel with two entries, each with a 'visible' checkbox and an 'opacity' slider. The first entry is checked and set to 100% opacity, while the second is unchecked and set to 0% opacity. The title bar reads 'Reconstructed manifest (partial): Grandes Chroniques de France (Châteauroux, BM, ms 5)'.

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

Change Layout Full Screen

Index Search Layers

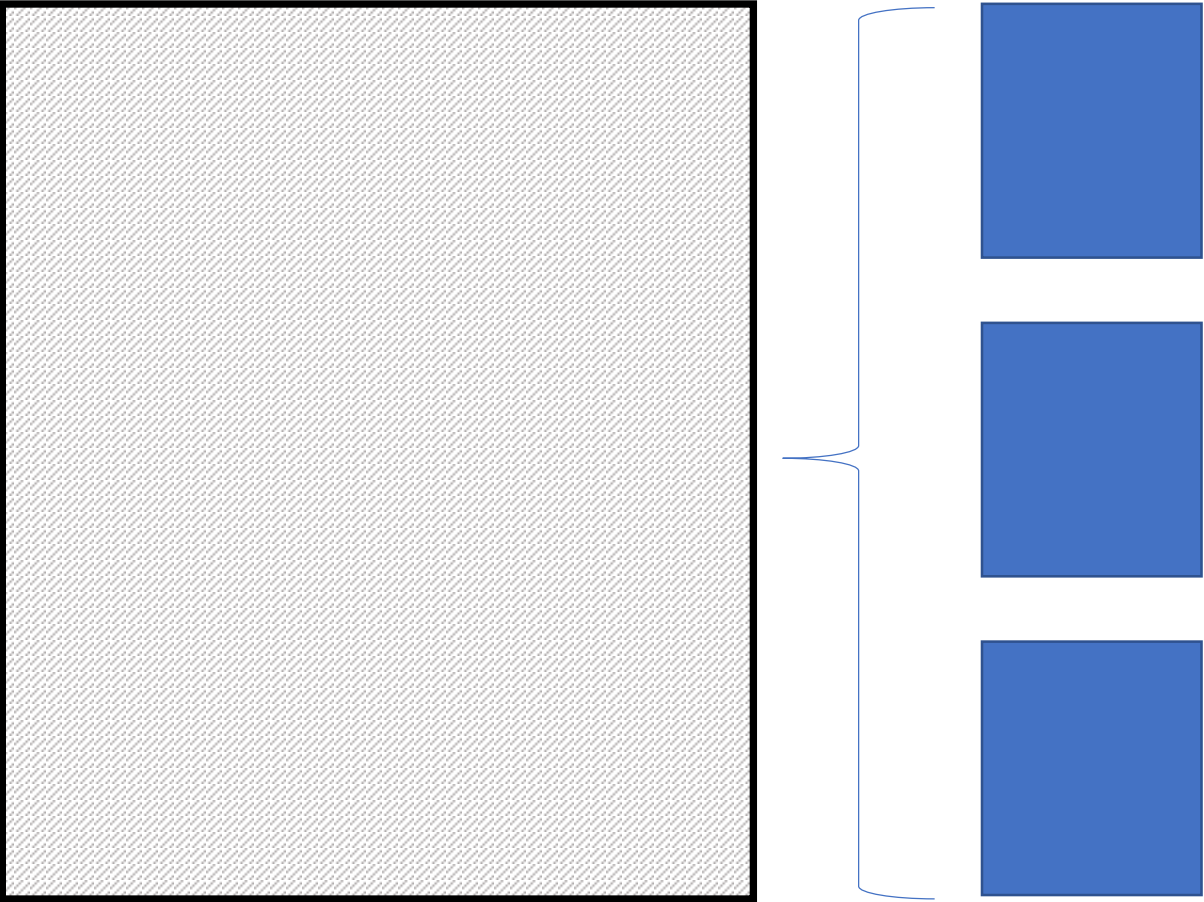
Images for f. 033v - 034

No Label  visible opacity (100)%

No Label  visible opacity (0)

f. 033v - ... f. 034v - ... f. 045v - ... f. 046v - ... f. 053v - ... f. 054v - ... f. 067v - ... f. 068v - ...

# Multiple Images on a Single Canvas



Canvas

Images

# Demonstration: Multispectral Images

The screenshot displays a digital manuscript viewer interface. At the top, the browser address bar shows "New Haven, Beinecke Rare Book and Manuscript Library, Yale University, Osborn fa1". The interface includes a sidebar on the left with navigation tabs for "Index", "Search", and "Layers". Below these tabs, the sidebar lists several image layers for "Osborn fa1, 53r":

- Osborn fa1, 53r: visible (checked), opacity (100%)
- Osborn fa1, 53r, 1\_global\_ir\_0\_1sec\_f11\_f0\_4m: visible (checked), opacity 0
- Osborn fa1, 53r, 1\_global\_rgb\_0\_1sec\_f11\_f0\_4m: visible (unchecked), opacity 0
- Osborn fa1, 53r, 1\_global\_rgb\_0\_1sec\_f11\_f0\_4m-B: visible (unchecked), opacity 0
- Osborn fa1, 53r, 1\_global\_rgb\_0\_1sec\_f11\_f0\_4m-G: visible (unchecked), opacity 0
- Osborn fa1, 53r, 1\_global\_rgb\_0\_1sec\_f11\_f0\_4m-R: visible (unchecked), opacity (disabled)
- Osborn fa1, 53r, 1\_global\_uv\_20sec\_f11\_f0\_4m: visible (unchecked), opacity (disabled)

The main viewing area shows an open manuscript with two pages of text. The text is written in a medieval script with some red initials. The image is slightly faded, indicating the current layer is not the primary one. Navigation arrows are visible on the left and right sides of the main area. At the bottom, a filmstrip shows a sequence of thumbnail images, with the current image highlighted by a blue border.

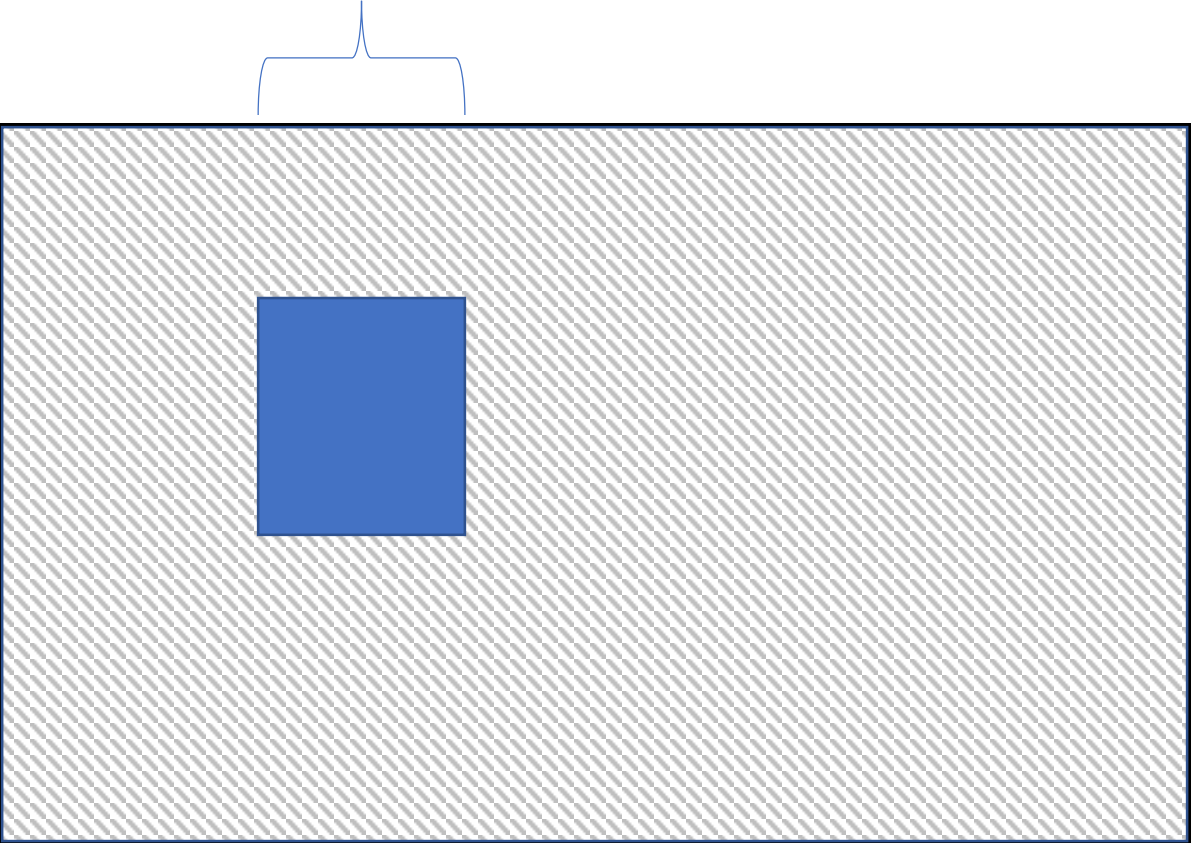


# Demonstration: X-Ray and Conventional Photography



# Demonstration: Detail Images and Deep Zoom

Detail image width: 5284 pixels



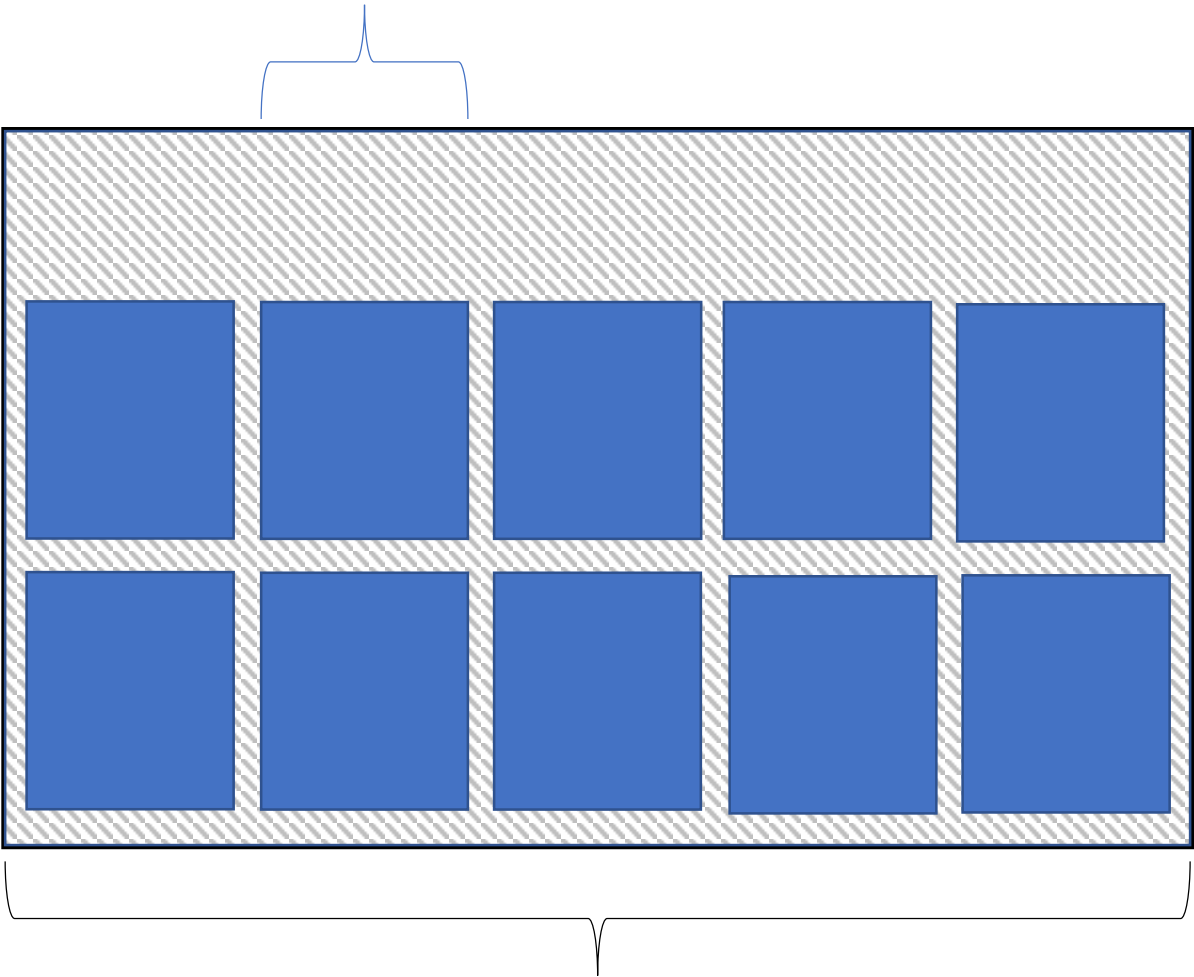
Base image width: 6258 pixels

# Demonstration: Detail Images and Deep Zoom



# Demonstration: Many Images, from many canvases

Images from many canvases



Base canvas



