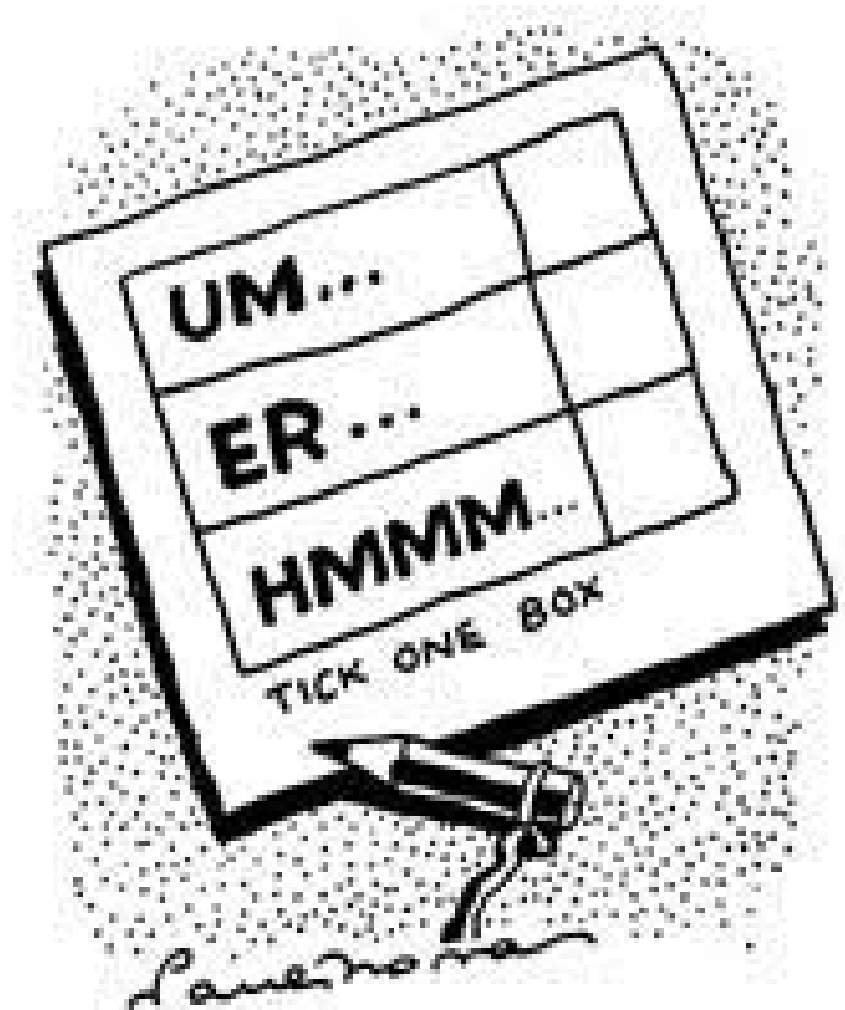




- **ARCH@RITAGE** – toward a new approach to archival studies for cultural heritage?
- Dorit Raines
- Università, Ca' Foscari Venezia, Italy

- Farewell to old certainties?



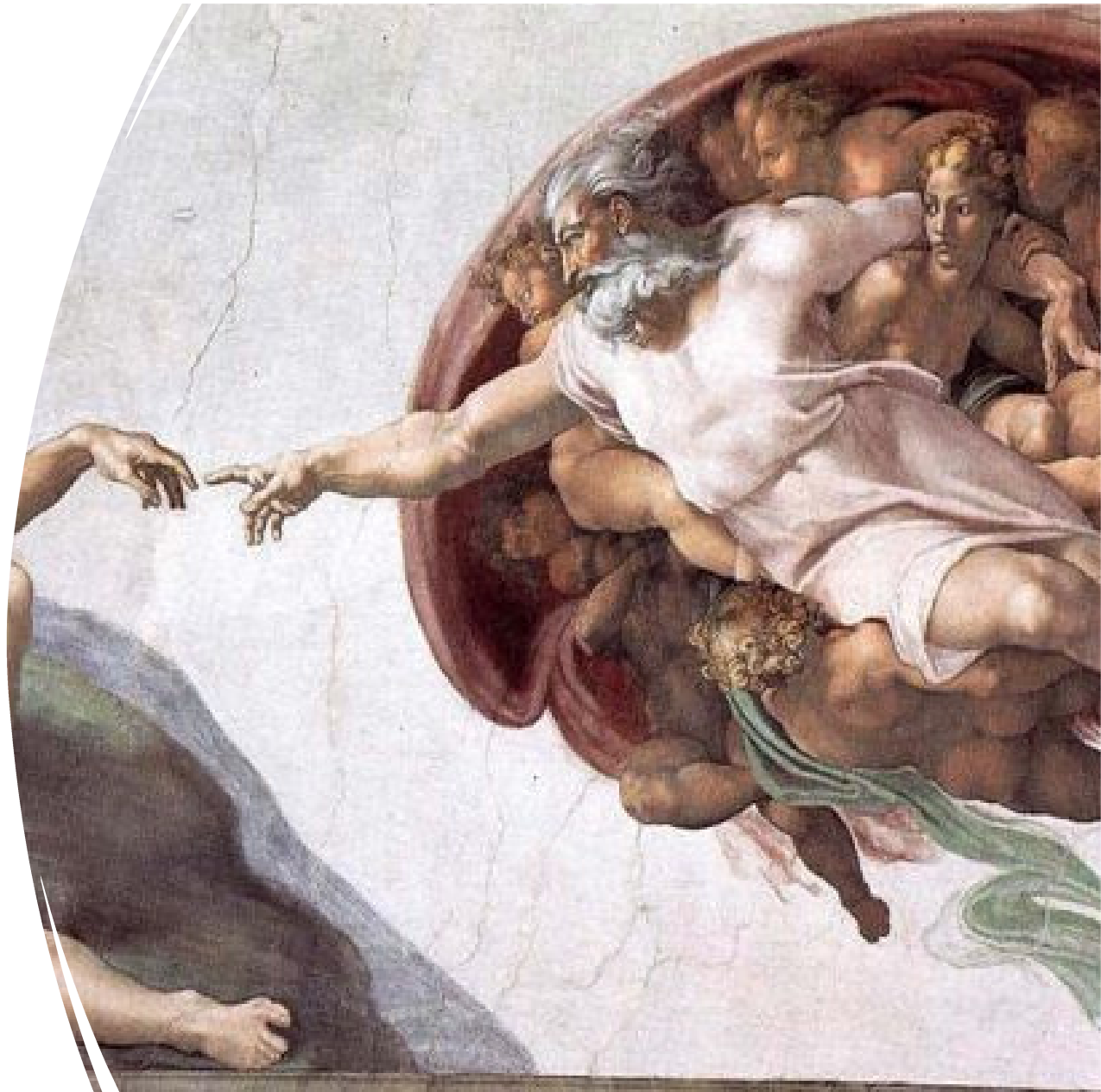
- *From the Dictionary of the Society of American Archivists*

---

## archival record

*n.*

- Materials created or received by a person, family, or organization, public or private, in the conduct of their affairs that are preserved because of the enduring value contained in the information they contain or as evidence of the functions and responsibilities of their **creator**.



ON THE WEB

Material objects

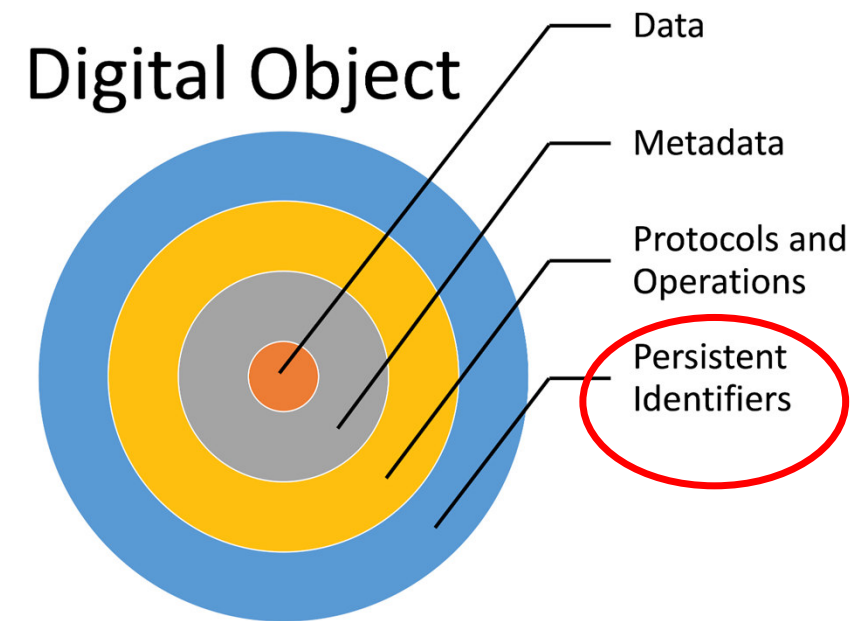


Digital objects

Native Digital objects

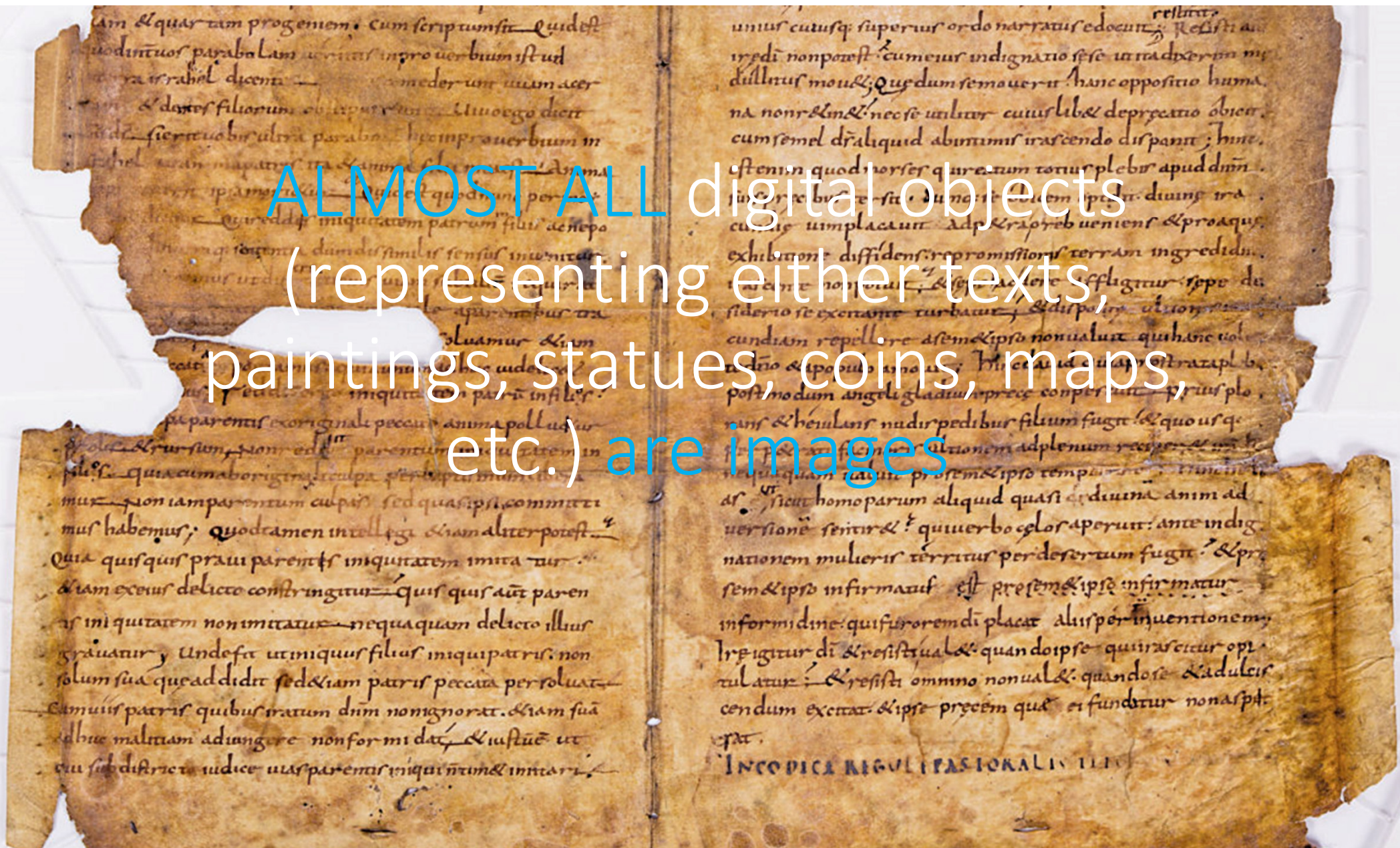
=

Digital objects





ALMOST ALL digital objects  
(representing either texts,  
paintings, statues, coins, maps,  
etc.) are images





# Images are fundamental information carriers for cultural heritage



... was a big flappy Me  
overanxious to please.  
xxxxxxxxxxxxxxxxxx sev  
another wild day began.  
illed into that and took  
dy did the explaining--  
He stank. I found out w  
truck. Freddy always ha  
about things. He always  
go!" And he went. He



## ALL digital objects are archival records?

*From the Dictionary of the Society of American Archivists*

### archival record

*n.*

Materials created or received by a person, family, or organization, public or private, in the conduct of their affairs that are preserved because of the enduring value contained in the information they contain or as evidence of the functions and responsibilities of their creator.

### Notes

'Archival records' connotes documents rather than artifacts or published materials, although collections of archival records may contain artifacts and books. Archival records may be in any format, including text on paper or in electronic formats, photographs, motion pictures, videos, sound recordings.

- **Digital Archive collections**

- Are designed simply to make materials available to researchers in an unbiased way.
- Lack the interpretive "middleman" standing between user and the sources.
- User is given more freedom to order and interrelate the sources himself.
- User can draw his own interpretations from the sources without being influenced by someone else's interpretation.

Starts with instructions for use, not a story

Prominently placed search box.

WASP Digital Collection

WASP Photographs  
WASP Artifacts  
WASP Manuscripts  
WASP Oral History  
WASP Uniforms  
Entire WASP Collection

Full-text Oral Histories and Letters (PDF).  
View WASP Pilot Alphabetical/Class Listing.

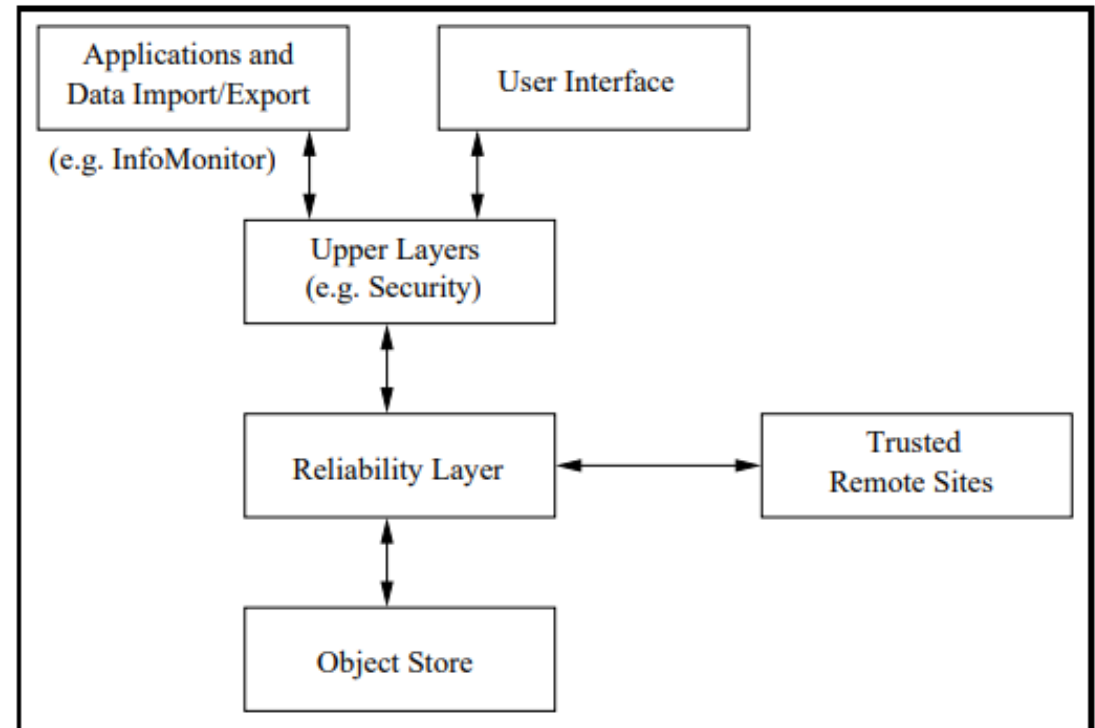
WAFS browse by WASP Training Class

Aloe Army Air Field (Victoria, Tex.)  
Altus Army Air Field (Okla.)  
Asheville Weather Wing HQ. (AACS) (N.C.)  
Atlanta Weather Wing HQ (Atlanta, Ga.)  
Avenger Field (Sweetwater, Tex.)  
Bell Aircraft Factory (Buffalo, N.Y.)

powered by CONTENTdm | contact us

Pages that mention "CONTENTdm" in the footer are usually digital archives

- An **Archival** Repository reliably stores **digital objects** for long periods of time (decades or centuries). The archival nature of the system requires new techniques for storing, indexing, and **replicating** digital objects.





Once upon a time, in the analog world, we used to have originals and copies...

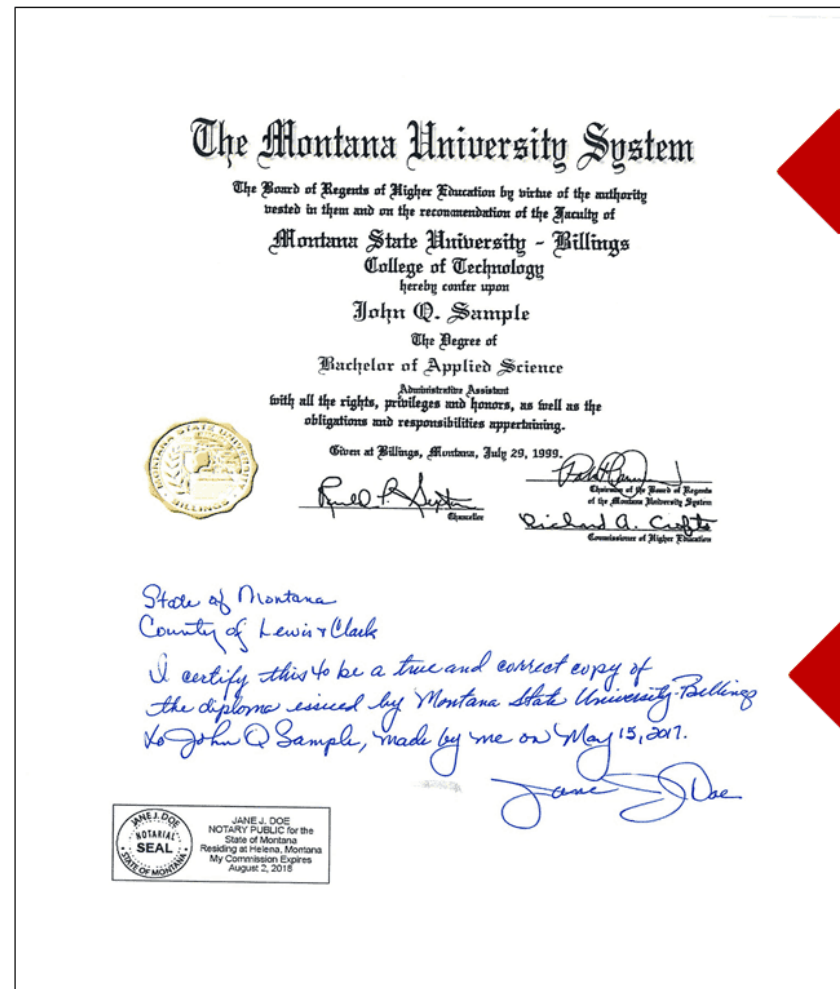


**Fragments of the Great Eleusinian Relief, 27 b.c.–14 a.d.; Augustan**  
Fragments of a Roman copy set in a plaster cast of the original Greek marble relief, ca. 450–425 b.c.,  
Metropolitan Museum of Art, New York



**the Great Eleusinian Relief, 27 b.c.–14 a.d.,**  
National Archeological Museum of Athens

- **Simple copy**
- A written duplicate of a document that reproduces the content but not the format of the original.
- **A certified copy**
- A written duplicate of a document signed by a notary public, court clerk or a solicitor



Photocopy of diploma

Complete notarial block  
by Notary

In order to protect digital objects against loss over time, in general an archival repository must enforce certain **properties**.

Among others, the **no modifications** policy prevents users from changing archived data. Modification are instead handled by creating **version chains**, with a newer object pointing to an older object via an object reference.

Another property is **universal handles**. This property guarantees that an object retains its handle regardless of which repositories it is replicated to, and that the handle is unique within the repository network.

With *universal handles*, object references can be unambiguously resolved, allowing the structure of a graph of objects to be retained even as the objects are replicated to different sites. Universal handles also has important efficiency benefits; for example, two sites can quickly determine whether they have the same objects simply by comparing lists of handles.

From:

Brian Cooper, Arturo Crespo and Hector Garcia-Molina, *Implementing a Reliable Digital Object Archive*, 2000

<http://infolab.stanford.edu/~cooperb/pubs/savpaperext.pdf>



- Where's the problem?





Is the host institution a  
guarantee for the digital  
object's properties?





mona lisa



Tutti

Immagini

Video

Notizie

Shopping

Altro

Strumenti

Raccolte SafeSearch



sfondo



louvre



quadro



leonardo



disegno



gioconda



da vinci



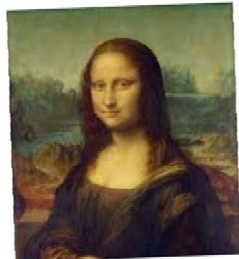
ritratto



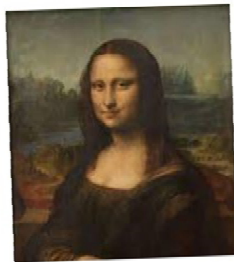
duchamp



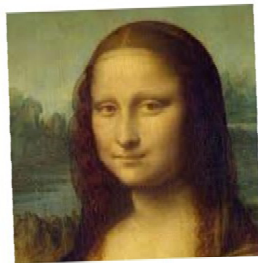
sorriso



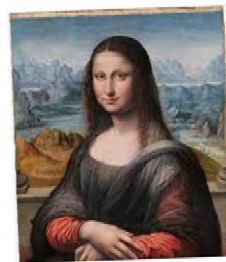
Gioconda - Wikipedia  
it.wikipedia.org



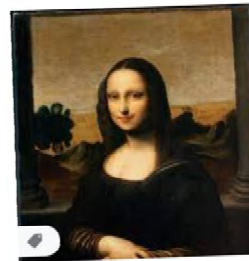
File:Leonardo da Vinci - M...  
it.wikipedia.org



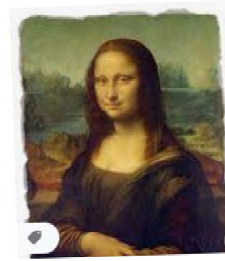
Lisa Gherardini - Wikipedia  
it.wikipedia.org



Poster del Museo del Pra...  
amazon.it



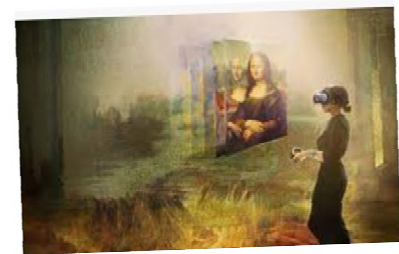
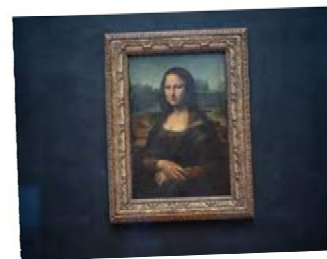
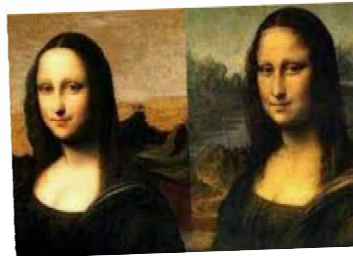
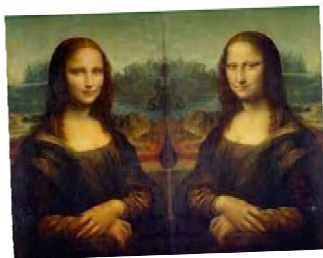
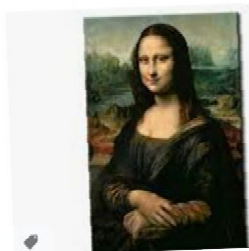
The Isleworth Mona Lisa | Ri...  
europosters.it · Disponibile



Gioconda o Monna Lisa  
leonardodavincimuseo.com ...



All'asta una replica molto ...  
barnebys.it



La Gioconda al Louvre di Parigi /foto abc.es



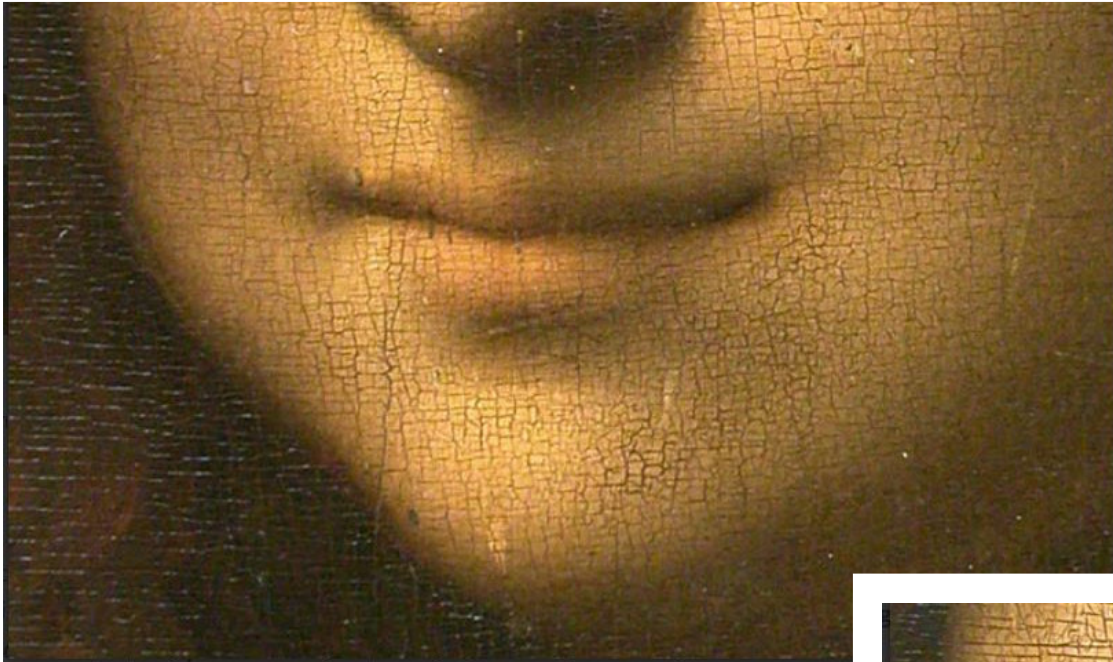
Successiva >

**The material object**

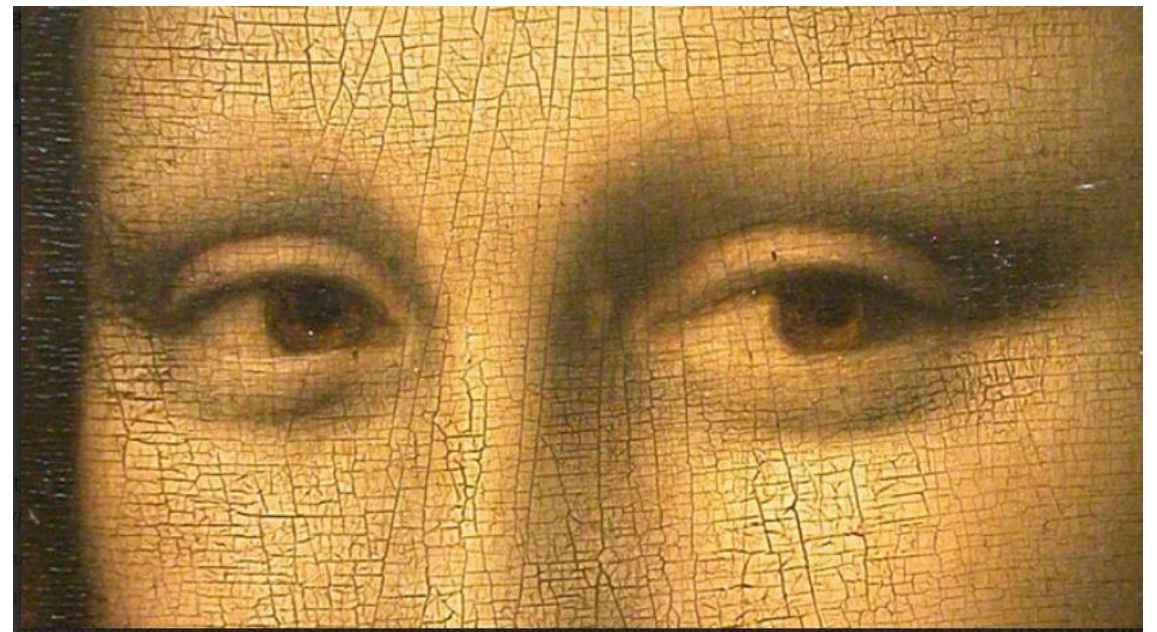




Leonardo da Vinci - Monna Lisa dettaglio bocca - olio su tavola - 1503-1513(circa) - Louvre - Parigi



Leonardo da Vinci - Monna Lisa dettaglio bocca - olio su tavola - 1503-1513(circa) - Louvre - Parigi



Leonardo da Vinci - Monna Lisa dettaglio sguardo - olio su tavola - 1503-1513(circa) - Louvre - Parigi





Leonardo da Vinci - Monna Lisa dettaglio di Ser Piero  
paesaggio sinistra - olio su tavola - 1503-1513(circa) - Louvre - Parigi



## Riproduzione Mona Lisa, Nr 52024

Tag: #trends, #backtclassic, #quadri famosi, #stampa su tela, #foto su tela



Quadro pronto, teso su un telaio (2cm)

Scegli le misure (larg. x alt. in cm):

20x31



Tecnica:

[Non sai quale tecnica scegliere? Clicca qui](#)

Stampa su tela

Stampa  
Premium

Accessori:

+ Aggiungi

Tempi di consegna:  
7 giorni lavorativi

**€ 24,40** con IVA  
+ spedizione a partire da 8,90€

**AGGIUNGI AL CARRELLO**

[Iscriviti a bimago+ e goditi gli sconti](#)

[AGGIUNGI AI PREFERITI](#)

[COSTI DI SPEDIZIONE](#)



Condividi:



30 giorni per il reso



## Se Monna Lisa non è Monna Lisa, ancora misteri attorno alla Gioconda

*La studiosa tedesca Maïke Vogt-Luerssen torna a parlare della sua ipotesi riguardante l'identità della più famosa delle donne ritratte da Leonardo da Vinci: il dipinto origine di tanti enigmi raffigurerebbe Isabella D'Aragona. E la prova certa potrebbe provenire dal DNA.*

A cura di **Nadia Vitali**

**125**  
CONDIVISIONI

COMMENTA

CONDIVIDI



Using a copy image  
to substantiate a  
thesis



Main page  
Welcome  
Community portal  
Village pump  
Help center

Language select  
English

Participate  
Upload file  
Recent changes  
Latest files  
Random file  
Contact us

Tools  
What links here  
Related changes  
Special pages  
Permanent link  
Page information  
Concept URI  
Cite this page

Print/export  
Download as PDF  
Printable version

## Centre de recherche et de restauration des musées de France

Not logged in Talk Contributions Create account Log in

File Discussion

View

View source

History

Search Wikimedia Commons



# File:Mona Lisa, by Leonardo da Vinci, from C2RMF retouched.jpg



View Wikimedia Commons in [italiano](#)

From Wikimedia Commons, the free media repository

File

File history

File usage on Commons

File usage on other wikis

Metadata



**Download**

all sizes



**Use this file**

on the web



**Use this file**

on a wiki



**Email a link**

to this file



**Information**

about reusing







**Use this file**  
on the web



**Use this file**  
on a wiki



**Email a link**  
to this file



**Information**  
about reusing



Size of this preview: 402 × 599 pixels. Other resolutions: 161 × 240 pixels | 322 × 480 pixels | 515 × 768 pixels | 687 × 1,024 pixels | 1,374 × 2,048 pixels | 7,479 × 11,146 pixels.

Language select:

Original file (7,479 × 11,146 pixels, file size: 89.94 MB, MIME type: image/jpeg); [ZoomViewer](#)



**Open in Media Viewer**





Size of this preview: 402 × 599 pixels. Other resolutions: 161 × 240 pixels | 322 × 480 pixels | 515 × 768 pixels | 687 × 1,024 pixels | 1,374 × 2,048 pixels | 7,479 × 11,146 pixels.

Language select:

[Original file](#) (7,479 × 11,146 pixels, file size: 89.94 MB, MIME type: image/jpeg); [ZoomViewer](#)



Open in Media Viewer



**This page is currently semi-protected, and can be edited only by established registered users.**

- [Semi-protection](#) is sometimes necessary to prevent [vandalism](#) to popular pages. Most media files and [gallery pages](#) can be edited by anyone.
- The reason for protection can be found in the [protection log](#).
- If you have a user account, [log in](#) first. If you do not yet have an account, you may [create one](#); after a while, you will be able to edit semi-protected pages.
- You can [discuss this page](#) with others. If you have noticed an error or have a suggestion for a simple change, start a [new section](#) on this page's talk page and insert the text `{{edit request}}` followed by your request. An established user (an account older than 4 days) may then make the change on your behalf.
- You may [request unprotection](#) of the page.

Summary

Warning

The original file is very high-resolution. It might not load properly or could cause your browser to freeze when opened at full size. To avoid these issues, use the ZoomViewer.

Open in ZoomViewer

Leonardo da Vinci: Mona Lisa

|                    |                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artist             | Leonardo da Vinci (1452–1519)                                                                                                                                                                                                                                                                                                                           |
| Author             | C2RMF: Galerie de tableaux en très haute définition: image page                                                                                                                                                                                                                                                                                         |
| Title              | Italian: <i>Ritratto di Monna Lisa del Giocondo</i><br>Portrait of Mona Lisa del Giocondo                                                                                                                                                                                                                                                               |
| Object type        | painting                                                                                                                                                                                                                                                                                                                                                |
| Genre              | portrait                                                                                                                                                                                                                                                                                                                                                |
| Depicted people    | Lisa del Giocondo                                                                                                                                                                                                                                                                                                                                       |
| Date               | between 1503 and 1506<br>High Renaissance (1494–1527)                                                                                                                                                                                                                                                                                                   |
| Medium             | oil on panel                                                                                                                                                                                                                                                                                                                                            |
| Dimensions         | height: 77 cm (30.3 in); width: 53 cm (20.8 in)                                                                                                                                                                                                                                                                                                         |
| Collection         | Louvre Museum (Inventory)                                                                                                                                                                                                                                                                                                                               |
| Current location   | Department of Paintings of the Louvre<br>Louvre Museum                                                                                                                                                                                                                                                                                                  |
| Accession number   | INV. 779 (Department of Paintings of the Louvre)                                                                                                                                                                                                                                                                                                        |
| Place of creation  | Florence                                                                                                                                                                                                                                                                                                                                                |
| Object history     | <ul style="list-style-type: none"><li>1519: acquired by</li><li>21 August 1911: unknown event: theft of Mona Lisa</li></ul>                                                                                                                                                                                                                             |
| Exhibition history | <ul style="list-style-type: none"><li><i>Mona Lisa by Leonardo da Vinci</i>, National Gallery of Art, 8 January 1963 - 3 February 1963</li><li><i>The Mona Lisa by Leonardo da Vinci</i>, Metropolitan Museum of Art, 6 February 1963 - 4 March 1963</li><li><i>Mona Lisa Exhibition</i>, Tokyo National Museum, 20 April 1974 - 10 June 1974</li></ul> |





|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                                                                                       |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|---------------------------------------------------|-----------------------|
|                                                                                     | <ul style="list-style-type: none"><li>• <i>1001 Paintings You Must See Before You Die</i>, p. 135 </li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                                                                                       |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| <b>Authority control</b>                                                            |  : <a href="#">Q12418</a> · <a href="#">VIAF: 180757281</a> · <a href="#">LCCN: n98092274</a> · <a href="#">NLA: 35300571</a> · <a href="#">Louvre: 010062370</a> · <a href="#">GND: 4074156-4</a> · <a href="#">WorldCat</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |                                                                                       |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| <b>Source/Photographer</b>                                                          | Cropped and relevelled from <a href="#">File:Mona Lisa, by Leonardo da Vinci, from C2RMF.jpg</a> . Originally C2RMF: <a href="#">Galerie de tableaux en très haute définition</a>  : <a href="#">image page</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |                                                                                       |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| <b>Other versions</b>                                                               | <table><tr><td></td><td></td><td></td><td></td></tr><tr><td>7.854 × 11.498 pixels,<br/>from C2RMF</td><td>7.601 × 11.348 pixels,<br/>from C2RMF</td><td>7.479 × 11.146 pixels,<br/>from C2RMF</td><td>6.441 × 9.565 pixels, from<br/>the Musée du Louvre</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>3.221 × 4.782 pixels<br/>remastered color, from the<br/>Musée du Louvre</td><td>3.000 × 4.471 pixels, from<br/>C2RMF</td><td>2.835 × 4.289 pixels, from<br/>the Musée du Louvre</td><td>2.835 × 4.289 pixels, with<br/>colors adjusted, from the<br/>Musée du Louvre</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>2.835 × 4.289 pixels, with<br/>yellowing, from</td><td>2.580 × 3.840 pixels,<br/>photographed by</td><td>2.403 × 3.591 pixels, from<br/>the Musée du Louvre</td><td>Based on "Prado Copy"</td></tr></table> |                                                                                       |                                                                                       |  |  |  |  |  | 7.854 × 11.498 pixels,<br>from C2RMF | 7.601 × 11.348 pixels,<br>from C2RMF | 7.479 × 11.146 pixels,<br>from C2RMF | 6.441 × 9.565 pixels, from<br>the Musée du Louvre |  |  |  |  | 3.221 × 4.782 pixels<br>remastered color, from the<br>Musée du Louvre | 3.000 × 4.471 pixels, from<br>C2RMF | 2.835 × 4.289 pixels, from<br>the Musée du Louvre | 2.835 × 4.289 pixels, with<br>colors adjusted, from the<br>Musée du Louvre |  |  |  |  | 2.835 × 4.289 pixels, with<br>yellowing, from | 2.580 × 3.840 pixels,<br>photographed by | 2.403 × 3.591 pixels, from<br>the Musée du Louvre | Based on "Prado Copy" |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| 7.854 × 11.498 pixels,<br>from C2RMF                                                | 7.601 × 11.348 pixels,<br>from C2RMF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7.479 × 11.146 pixels,<br>from C2RMF                                                  | 6.441 × 9.565 pixels, from<br>the Musée du Louvre                                     |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| 3.221 × 4.782 pixels<br>remastered color, from the<br>Musée du Louvre               | 3.000 × 4.471 pixels, from<br>C2RMF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.835 × 4.289 pixels, from<br>the Musée du Louvre                                     | 2.835 × 4.289 pixels, with<br>colors adjusted, from the<br>Musée du Louvre            |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| 2.835 × 4.289 pixels, with<br>yellowing, from                                       | 2.580 × 3.840 pixels,<br>photographed by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.403 × 3.591 pixels, from<br>the Musée du Louvre                                     | Based on "Prado Copy"                                                                 |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |
| <a href="#">Mona_Lisa_by_Leonardo_da_Vinci_from_C2RMF.jpg</a>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                                                                                       |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                      |                                      |                                      |                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                       |                                     |                                                   |                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                               |                                          |                                                   |                       |

## Collection guides

### How to find and use the British Library's IIIF enabled images



'Bitter Melons' from Shasei sōka moyō by Furuya Kōrin. Unsōdō, Kyoto, 1907. Shelfmark: ORB.30/132. An example of one of our IIIF enabled images.

The International Image Interoperability Framework (IIIF) is a widely supported standard protocol for sharing images across the web, making image and media

### Subjects

#### Digital scholarship

Undertake innovative research with our digital collections and data

#### Printed books

Printed material in a range of formats for current researchers and future generations

#### Africa

Historical and contemporary material for the study of Africa

#### Americas and Oceania

Extensive collections from the Americas and Oceania

#### Literature and drama

Collections relating to English literature and British theatre

#### Arts and humanities

Collections for the study of history, culture and

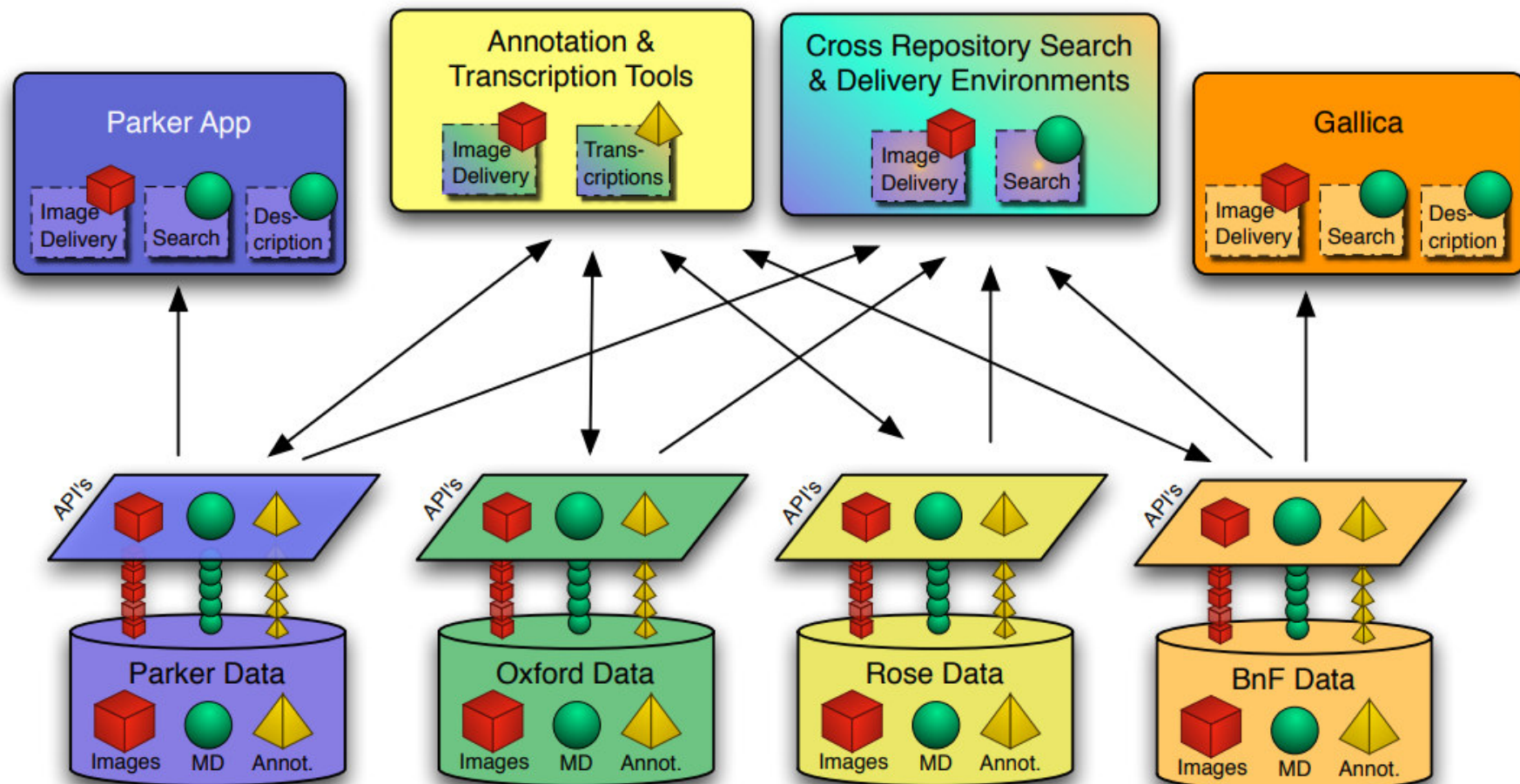
IIIF is a set of open standards for delivering high-quality, attributed digital objects online at scale. It's also an international community developing and implementing the IIIF APIs. IIIF is backed by a consortium of leading cultural institutions.

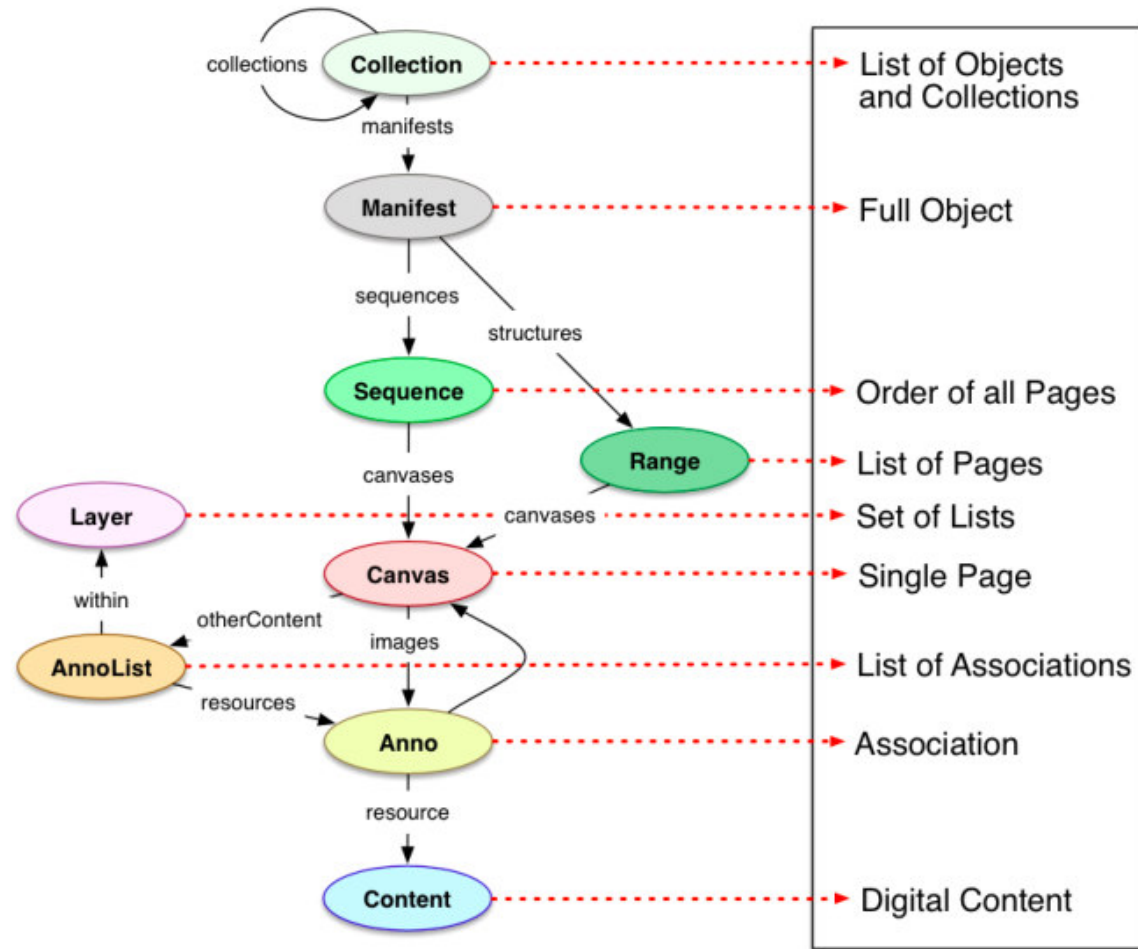
The IIIF aims to cultivate shared technologies for both client and server to enable interoperability across repositories, and to foster a market in compatible servers and viewing applications.





# API's -> Framework -> Ecosystem

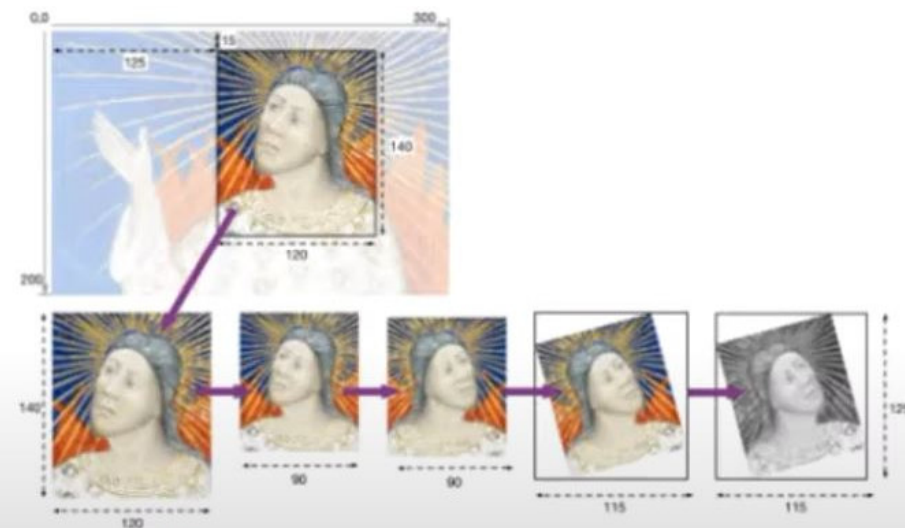




# Image Content - IIIF Image API

```
{
  "@context": "http://iiif.io/api/image/2/context.json",
  "@id": "http://www.example.org/image-service/abcd1234/1E34750D-380B-4825-A38A-B60A345E591C",
  "protocol": "http://iiif.io/api/image",
  "width": 6000,
  "height": 4000,
  "sizes": [
    { "width": 150, "height": 100 },
    { "width": 600, "height": 400 },
    { "width": 3000, "height": 2000 }
  ],
  "tiles": [
    { "width": 512, "scaleFactors": [1, 2, 4, 8, 16] }
  ],
  "profile": [
    "http://iiif.io/api/image/2/level2.json",
    {
      "formats": [ "gif", "pdf" ],
      "qualities": [ "color", "gray" ],
      "supports": [
        "canonicalLinkHeader", "rotationArbitrary", "profileLinkHeader", "http://example.com/feature/"
      ]
    }
  ],
  "service": {
    "@context": "http://iiif.io/api/annex/service/physdim/1/context.json",
    "profile": "http://iiif.io/api/annex/service/physdim",
    "physicalScale": 0.0025,
    "physicalUnits": "in"
  }
}
```

<http://iiif.io/api/image/>



**1** region=125,15,120,140 size=90, rotation=t345 quality=gray  
.../125,15,120,140/90,/t345/gray.jpg

INFO.JSON - IIIF Image API



# IIIF Authentication API

- Describes workflows for guiding the user through an *existing* access control system
- Provides a pattern for interacting with arbitrary third party protocols
- Provides access control system in use on the server, without the client requiring knowledge of that system
- In summary, the specification describes how to:
  - From within a viewer, initiate an interaction with an access control system so that a user can acquire the credentials they need to view restricted content.
  - Give the client just enough knowledge of the user's state with respect to the content provider to ensure a good user experience.

## Collection guides

### How to find and use the British Library's IIIF enabled images



'Bitter Melons' from Shasei sōka moyō by Furuya Kōrin. Unsōdō, Kyoto, 1907. Shelfmark: ORB.30/132. An example of one of our IIIF enabled images.

The International Image Interoperability Framework (IIIF) is a widely supported standard protocol for sharing images across the web, making image and media

### Subjects

#### Digital scholarship

Undertake innovative research with our digital collections and data

#### Printed books

Printed material in a range of formats for current researchers and future generations

#### Africa

Historical and contemporary material for the study of Africa

#### Americas and Oceania

Extensive collections from the Americas and Oceania

#### Literature and drama

Collections relating to English literature and British theatre

#### Arts and humanities

Collections for the study of history, culture and



For more information on IIF and how to use it, check out the recordings and resources from the June 2020 IIF Online Workshop: <https://training.iif.io/iif-online-workshop/>

Please contact [digitalresearch@bl.uk](mailto:digitalresearch@bl.uk) if you have any questions about this collection.

## What is available online?

The British Library is adding IIF enabled collections to our main catalogues and through major projects, partnerships and programmes all the time.

### Explore the British Library - Main Catalogue

We are working hard on developing an easier solution for discovering all of our IIF content. In the meantime, to limit your search to all currently available IIF items in [our main catalogue](#) (digital and print books, journals, newspapers, maps and scores) copy and paste this search string:

**blmsd OR blww1 OR blplaybill OR bldcw**

Some IIF collection highlights you'll discover through this include:

- Digitised 19th Century Books ('blmsd')
- Europeana WWI ('blww1')
- Playbills ('blplaybill')
- [India Office medical archive collection](#)
- [Rare Bengali books](#)
- [Japanese Design Books](#)
- [Early Music Online](#)
- [Blockbooks collection of rare printed books of the mid-15th century](#)
- [Shakespeare's First Folio collated and published in 1623](#)
- Garrick prompt book [King Lear](#)



[Back to results list](#)

2 related resources

**Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioceꝰ ad opꝰ sancte cruciate ꝰ ... Sixtū diuina ꝰuidētia papā quartū ordinatum debitam fecerit ꝰtributionē ... Ego frater Petrꝰ Gardianꝰ ꝰ ꝰdicator ꝰuētꝰ Monaceñ. ordinis minorum subcommissarius ... deputatus presētes litteras fieri feci ... Anno domini .M.CCCC.LXXXij. ...**

Catholic Church. Pope (1471-1484 : Sixtus IV)  
[1482]

[Details](#)

[I want this](#)

Which of the options below can I use?

[Actions](#) ▼

BRITISH  
LIBRARY

## SERVICES FOR THIS RECORD

### Source:

Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioceꝰ ad opꝰ sancte cruciate ꝰ ... Sixtū diuina ꝰuidētia papā quartū ordinatum debitam fecerit ꝰtributionē ... Ego frater Petrꝰ Gardianꝰ ꝰ ꝰdicator ꝰuētꝰ Monaceñ. ordinis minorum subcommissarius ... deputatus presētes litteras fieri feci ... Anno domini .M.CCCC.LXXXij. ...

### View online



Digital content

Collection item

[Go](#)

### Deliver item to



My Home or Office

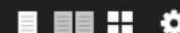
[Go](#)

This option allows anyone to order copies. Copyright charges may apply.  
See our website for more information on [On Demand](#) and [help](#) with ordering.  
NB: Readers wishing to order to their home or office must also be registered for our On Demand service. You can register via [My Account](#).



1 of 9

Go



## THUMBNAILS



Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioce...



## ABOUT THIS ITEM

Identifier

Digital Store IB.38.

Held by

[The British Library](#)

Title

Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioce... ad op... sancte... [MORE](#)

Creator

Catholic Church. Pope (1471-1484 : Sixtus IV)

Date

[1482]

Language

Latin

Catalogue record

[View the catalogue record](#)

Digitised from

[Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioce... ad op... sancte... MORE](#)



front



front-i



fs.ir



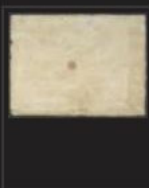
fs.iv



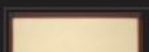
fs.iir



f.1r



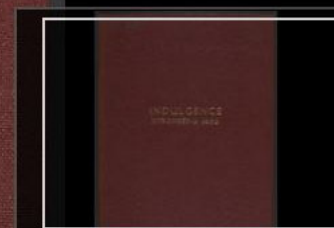
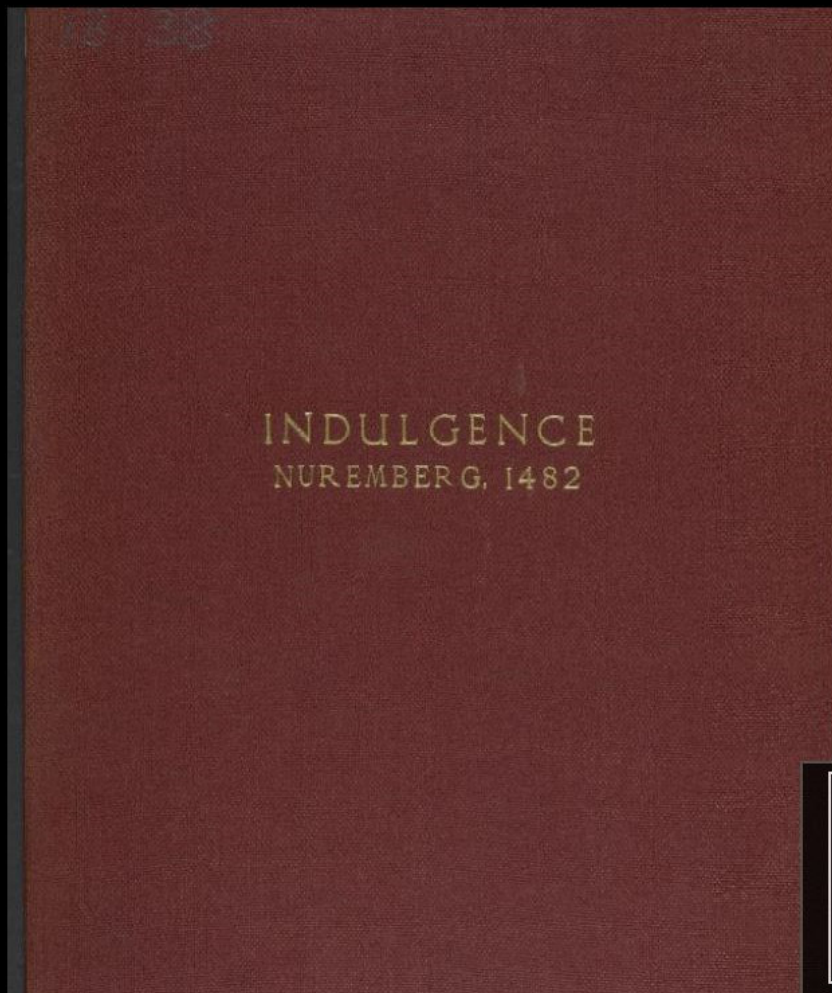
f.1v



f.1r



f.1v



THUMBNAILS



front



front-i



fs.ir



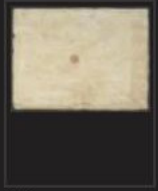
fs.iv



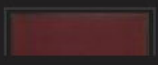
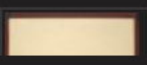
fs.iir



f.1r

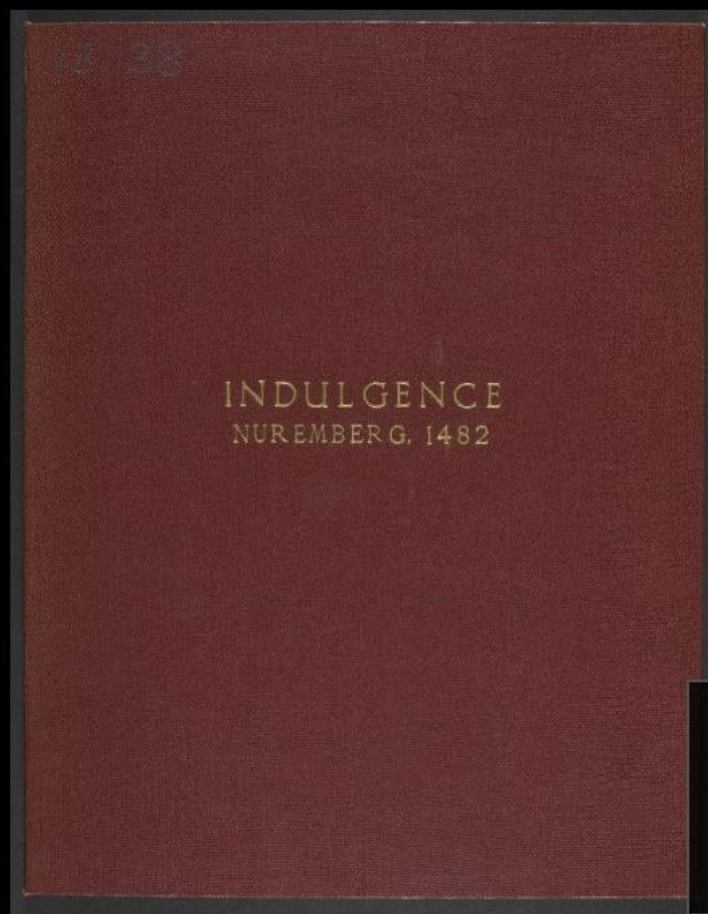


f.1v



Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioce...

+ - ↺



ABOUT THIS ITEM

Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter deuot in xpo dioce... ad op... sancte... MORE

Citation

Catholic Church. Pope (1471-1484 : Sixtus IV), *Forma confessionalis. Pateat vniuersis presentes litteras inspecturis. Qualiter...* MORE

Digitised by

The British Library

Description

Item supplied by the British Library

Usage Terms

Public Domain



Licence

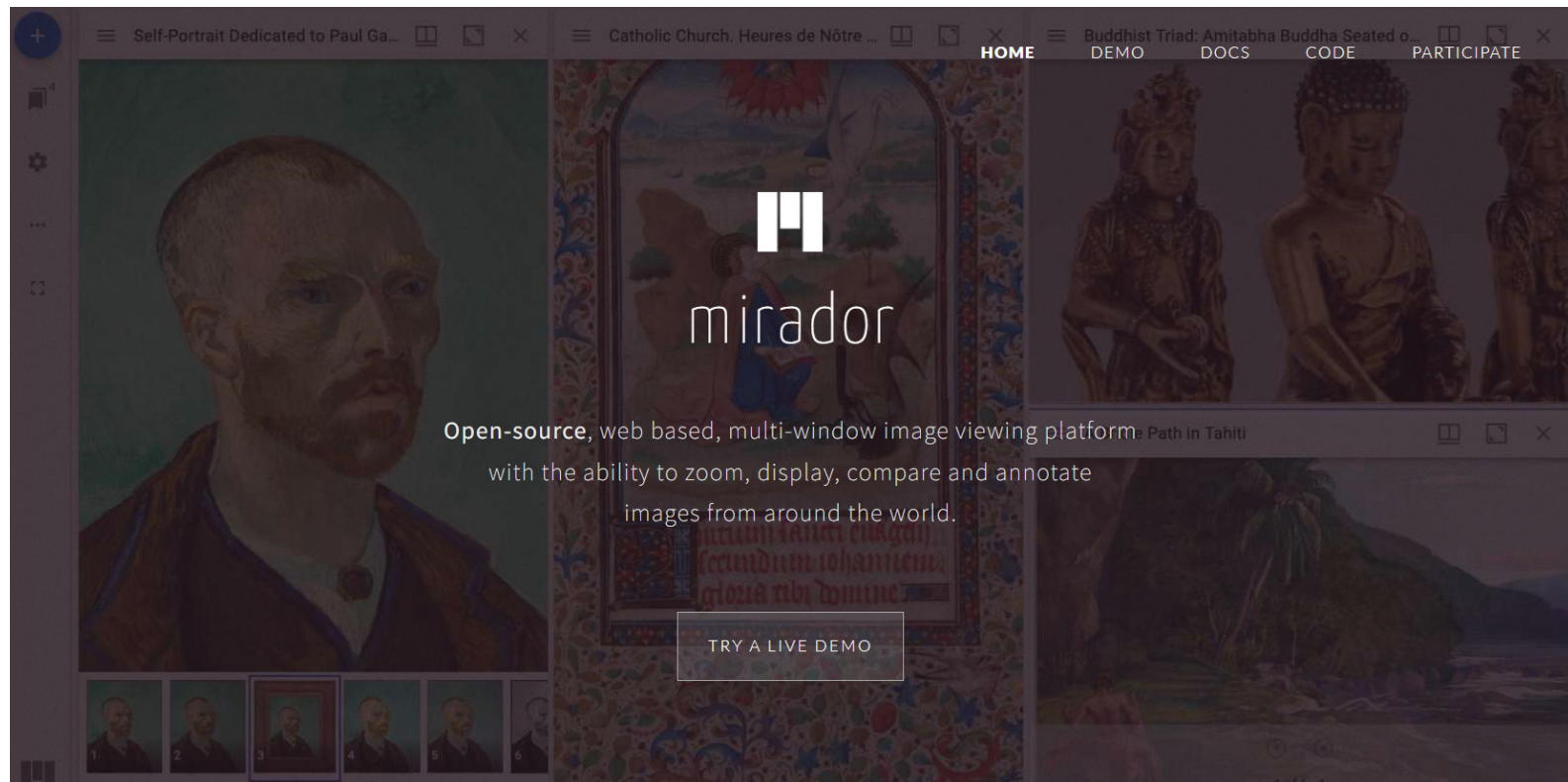
<https://creativecommons.org/publicdomain/mark/1.0/>

Logo





**Mirador** is a configurable, extensible, and easy-to-integrate image viewer, which enables image annotation and comparison of images from repositories dispersed around the world.



Self-Portrait Dedicated to Paul Gauguin

About this item

RESOURCE

Self-Portrait

Dedicated to Paul Gauguin

Date

1888

Classification

Paintings

Credit Line

Harvard Art Museums/Fogg Museum, Bequest from the Collection of Maurice Wertheim, Class of 1906

Object Number

1951.65

People

Artist: Vincent van Gogh, Dutch, 1853 - 1890

Medium

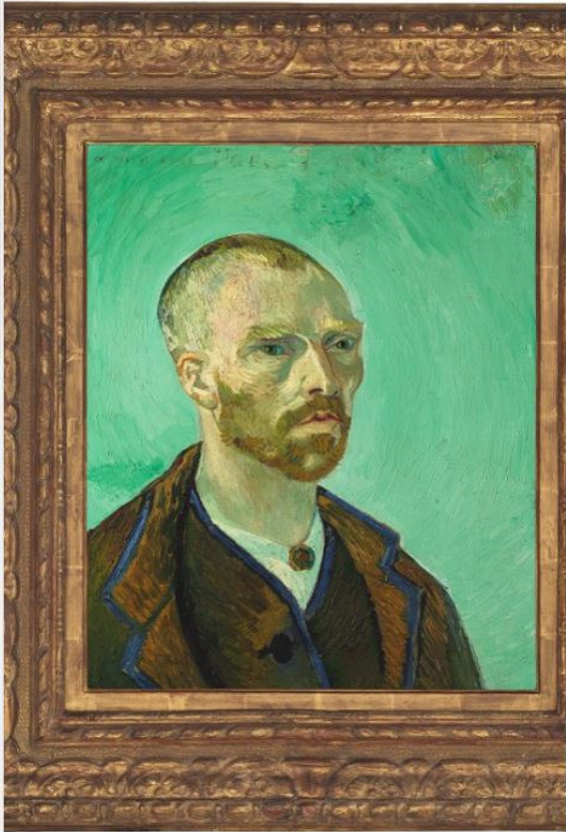
Oil on canvas

Dimensions

61.5 x 50.3 cm (24 3/16 x 19 13/16 in.) framed: 90.4 x 79.7 x 8.3 cm (35 9/16 x 31 3/8 x 3 1/4 in.)

Provenance

Vincent van Gogh, Arles,

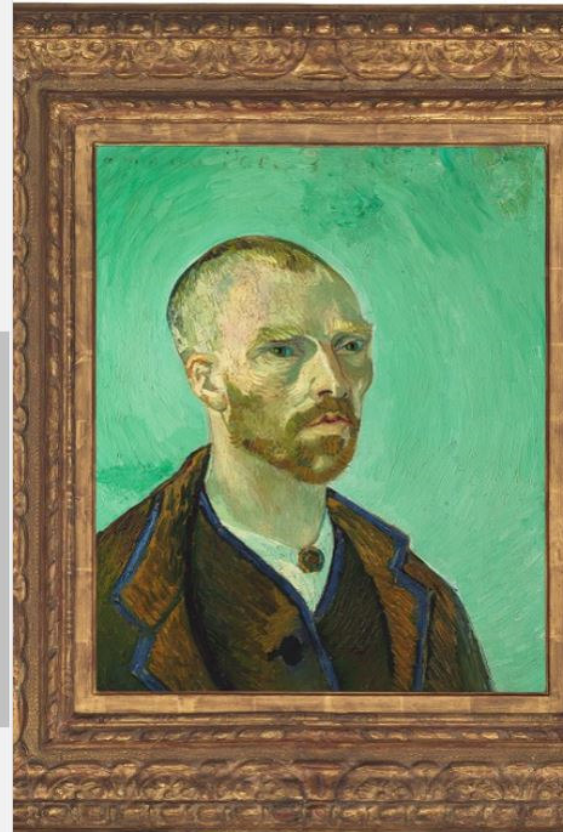


3 of 6 • 3

About this item



### Provenance





Self-Portrait Dedicated to Paul Gauguin

About this item

Museum, 1951. Notes:  
Gauguin sold the painting  
for Fr 300 Hugo von  
Tschudi bought the  
painting for the  
Nationalgalerie, Berlin, with  
funds from sponsors, but  
did not submit it to the  
Kaiser for pre-approval. He  
took the painting to Munich  
when he assumed a post  
there. According to  
Stephanie Barron, the van  
Gogh was removed from  
the Neue Staatsgalerie on  
March 27, 1938 and stored  
at Schloss  
Niederschönhausen in  
August of that year.  
(Barron, 1991, pp. 135-146)

RELATED

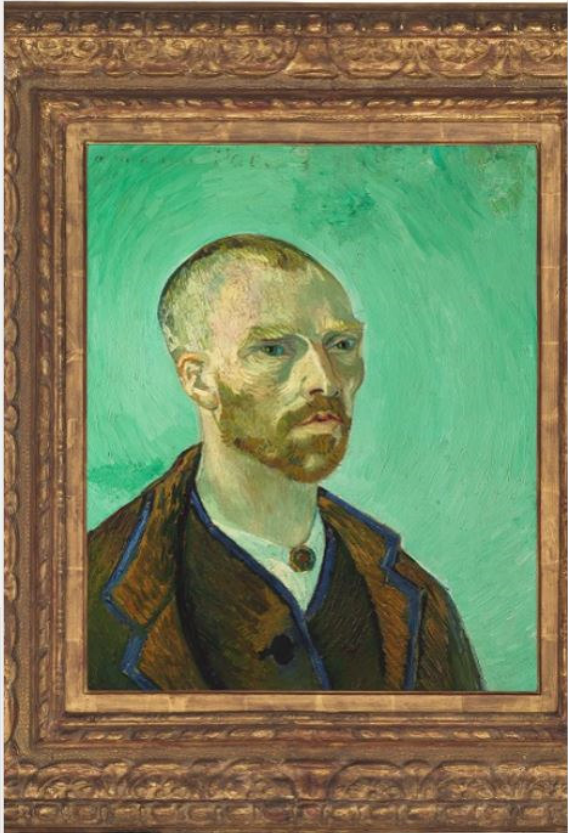
Links

Alternate formats

[Full record view](#)

IIIF manifest

<https://iiif.harvardartmuseum.org/manifests/object/299843>



A self-portrait by Vincent van Gogh, titled 'Self-Portrait Dedicated to Paul Gauguin'. The painting depicts a man with a shaved head and a beard, wearing a dark jacket over a blue shirt. The background is a vibrant green. The painting is framed by an ornate, dark wooden frame.

3 of 6 • 3



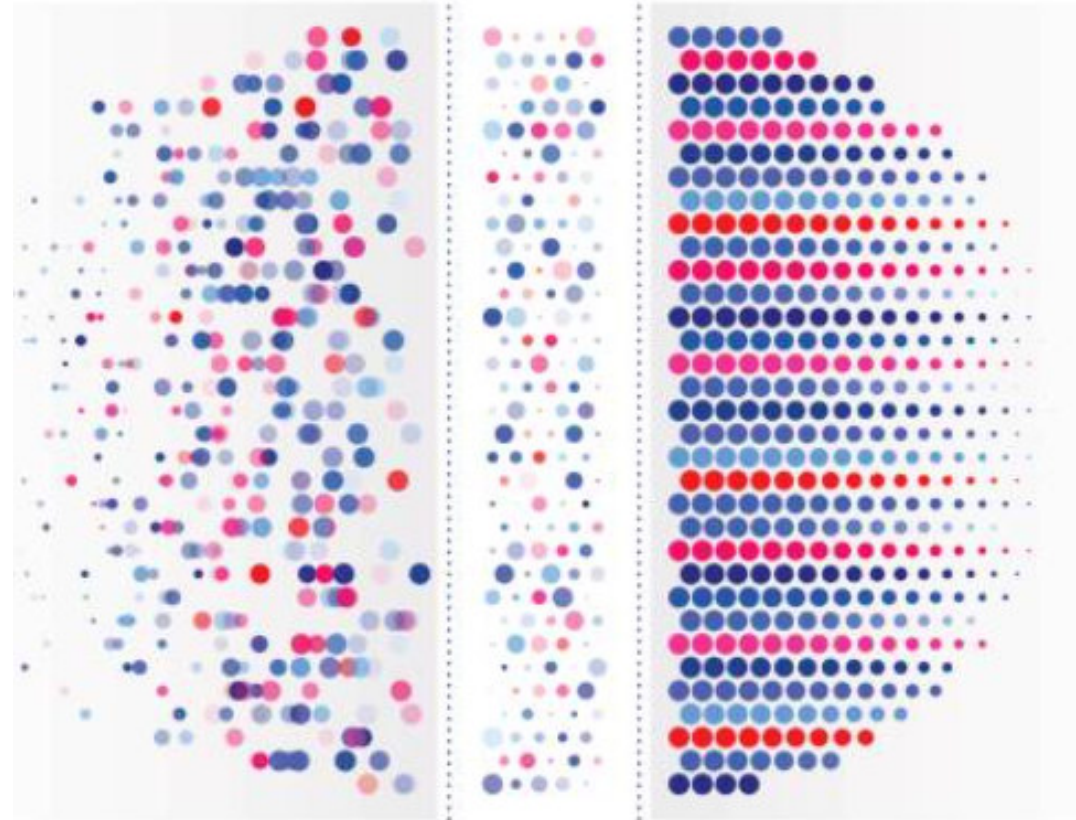
#### Gallery Text

In early 1888, Van Gogh moved to Arles in the south of France, where he hoped to establish an art colony. Believing that painting could be reinvented through the genre of portraiture, he encouraged his fellow artists to paint themselves, and then to exchange the canvases. After receiving self-portraits from Emile Bernard and Gauguin, who were working together in Brittany at the time, Van Gogh inscribed this painting “To my friend Paul Gauguin,” and sent it to him. He described the process of creating his arresting likeness in several letters to his brother Theo, an art dealer in Paris, explaining how he manipulated his features in response to Japanese prints, changed the contours of his jacket for coloristic effect, and painted the background “pale veronese green” without any shadows. Shortly after he sent the work to Gauguin, however, their friendship deteriorated, and Gauguin sold it for three hundred francs.

Identification and  
Creation

Object Number  
1951.65

- The theory of organized chaos (data models)

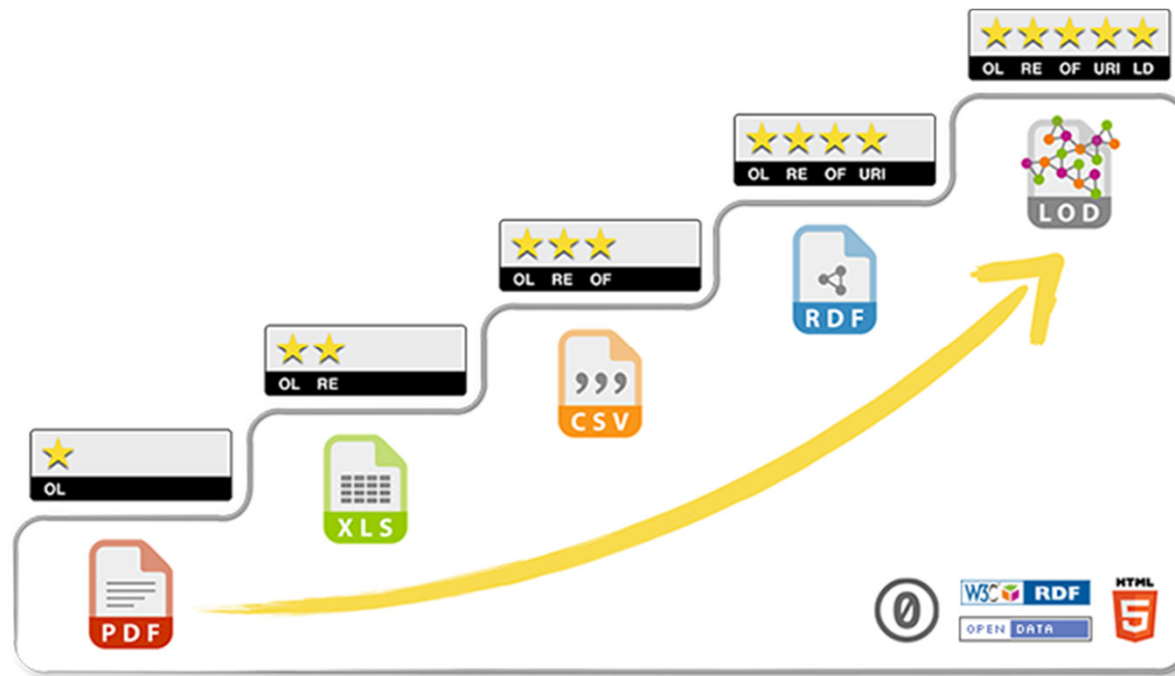




## LOD – Linked Open Data

**Linked data** is structured data which is interlinked with other data so it becomes more useful through semantic queries. It builds upon standard Web technologies such as HTTP (Hypertext Transfer Protocol), RDF (Resource Description Framework) and URIs (Uniform Resources Identifier), but rather than using them to serve web pages only for human readers, it extends them to share information in a way that can be read automatically by computers.

**Linked Open Data** (LOD) is Linked Data which is released under an open license, which does not impede its reuse for free



## 5-star linked open data

- 1 star: data is openly available in some format (open licence).
- 2 stars: data is available in a structured format, such as Microsoft Excel file format (.xls) (Machine readable structured data).
- 3 stars: data is available in a non-proprietary structured format, such as Comma-separated values (.csv) (open format).
- 4 stars: data follows W3C standards, like using RDF and employing URIs.
- 5 stars: all of the other, plus links to other Linked Open Data sources.

## The principle of “provenance”

Is intended in the broader meaning of researching and retaining the relationships existing between digital objects (e.g. a scanned copy of a picture depicting a painting) and the original physical ones, from which they have been generated (the ‘analogue’ ones – e.g. the physical picture - and the ‘real’ ones - e.g. the painting), owned and produced by a single institution or by different ones.

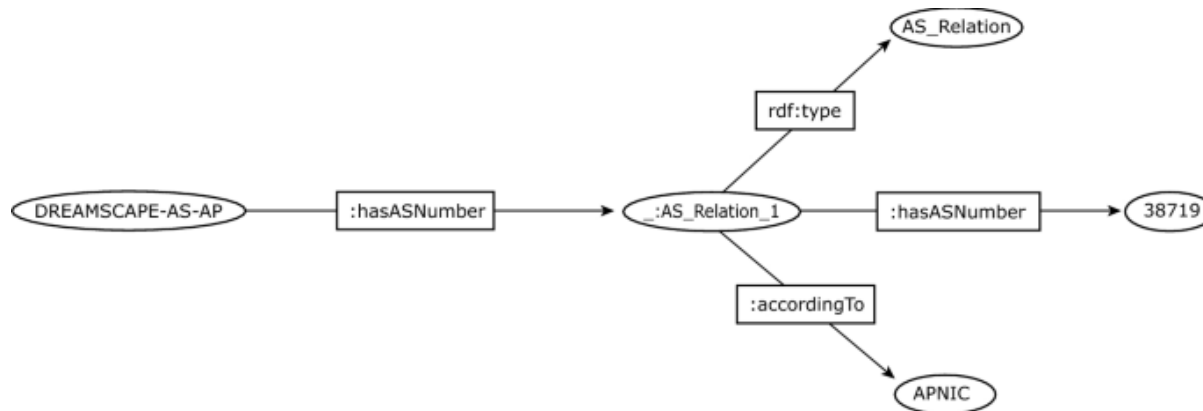
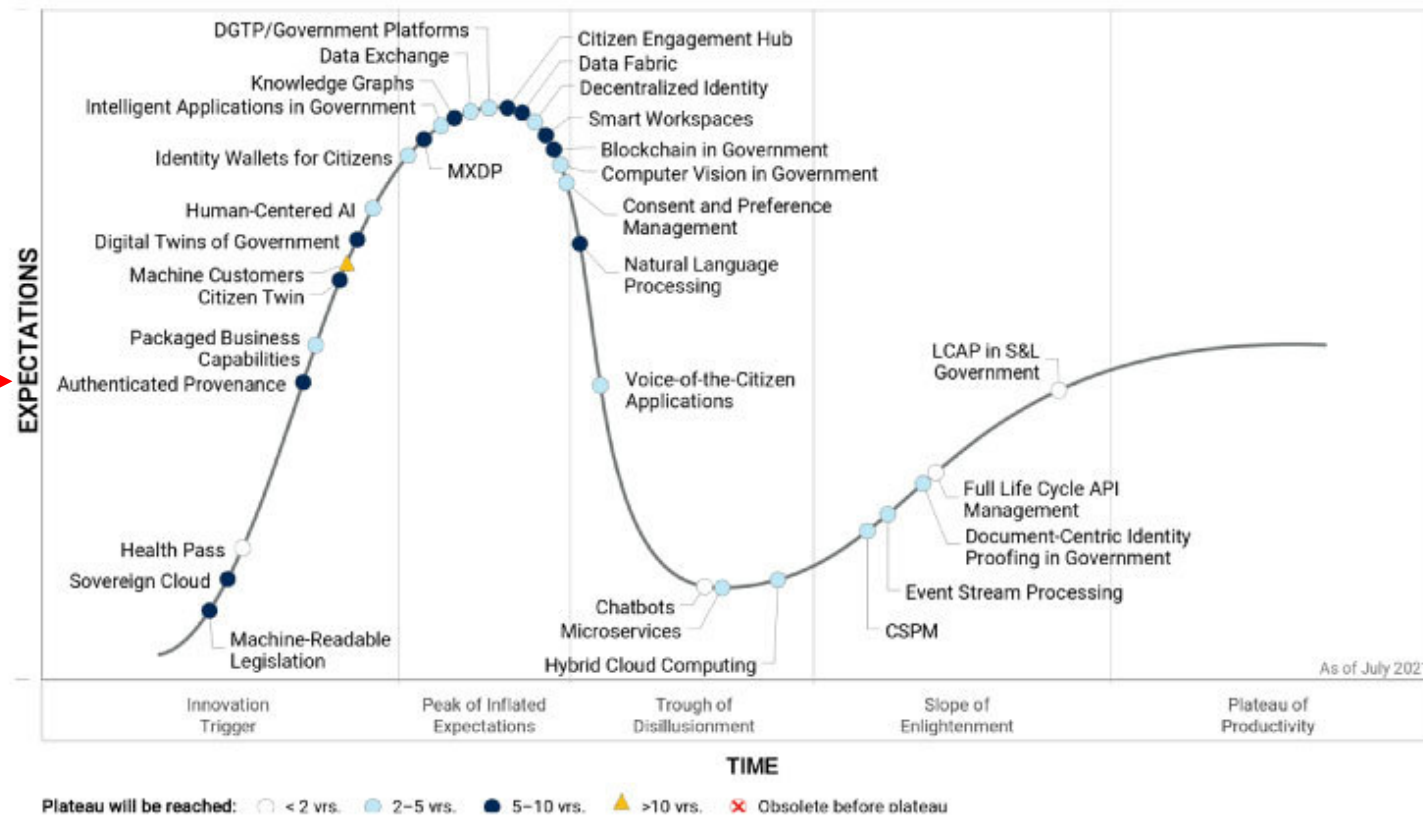




Figure 1: Hype Cycle for Digital Government Technology, 2021

## Hype Cycle for Digital Government Technology, 2021

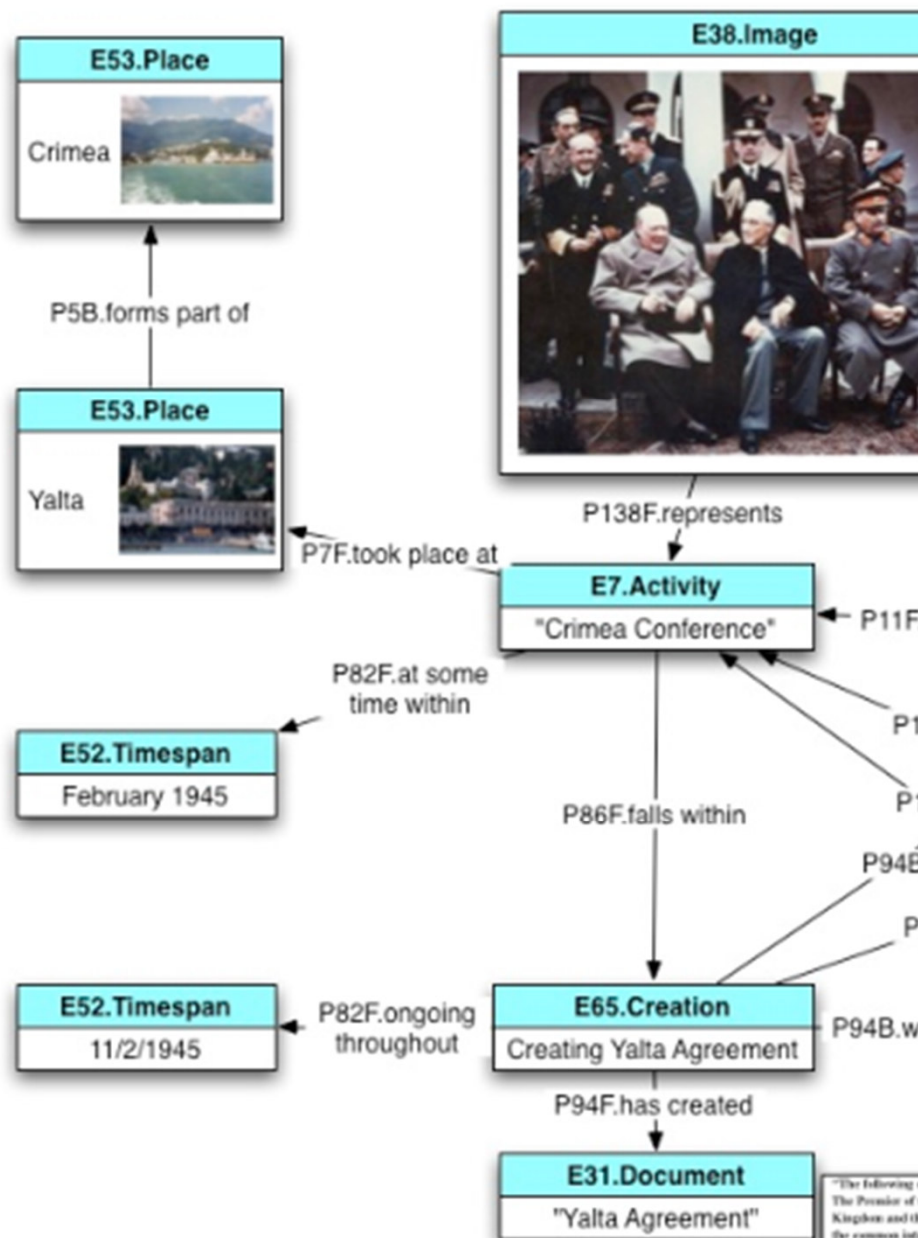


The **Gartner hype cycle** is a graphical presentation developed, used and branded by the American research, advisory and information technology firm Gartner to represent the maturity, adoption, and social application of specific technologies.

Source: Gartner (July 2021)

747518

Source: Gartner (July 2021)



## CIDOC Conceptual Reference Model (CRM)

- A theoretical and practical tool for information integration of data from multiple sources in the field of cultural heritage

BUT..... ONE MINUTE...



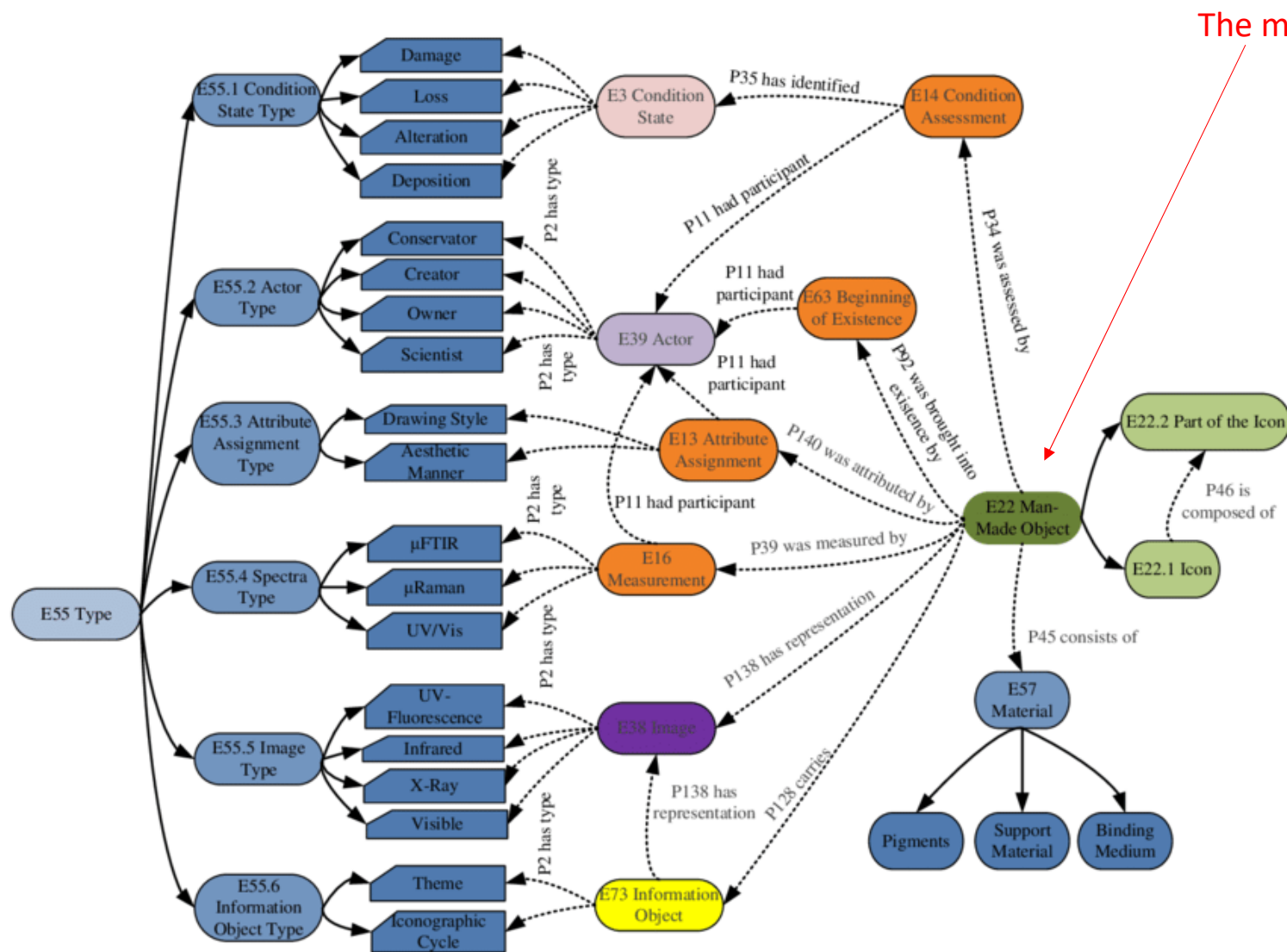
How do we know if the digital objects used to create this cultural heritage linked model correspond to the original ones?



CIDOC CRM has never been applied to research the relationships between digital objects and their analogue material ones, in order to sketch a kind of “family tree”.

Moreover, no attempts have been made either to adopt at the same time a blockchain-based technology and the CIDOC CRM model for authentication and integrity purposes.

**THE QUESTION IS:** are they compatible??



The material object

## The “trustless technologies”: the blockchains

A blockchain is a particular implementation of a Distributed Ledger (DL), which is essentially a database, shared among different nodes of a network.

All the nodes share the same copy of the database and any change made on a node is replicated to all the other nodes in a few minutes and, in some cases, even in a few seconds.

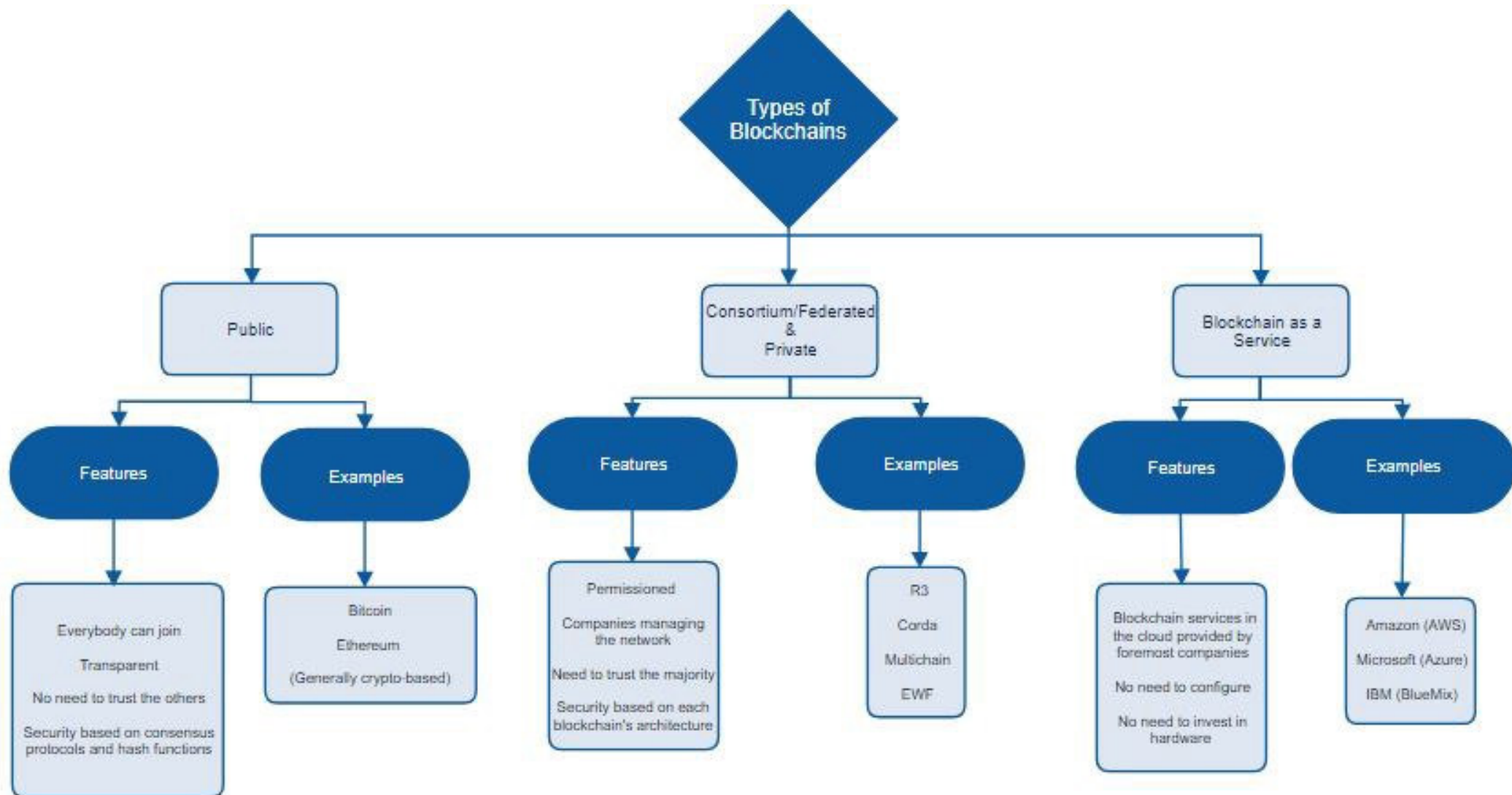
There is no need of a central authority because the consensus algorithm and cryptography grant the correctness of data even in presence of some malicious nodes



BLOCKCHAIN IS PRACTICALLY a recordkeeping technology

# BLOCKCHAIN





## Who is allowed to operate on the blockchain and to what extent?

- **Permissionless blockchains**, if any node can access and use the network and is allowed to write contents on it.
- **Permissioned blockchains**, if participants must authenticate (with a username and password) to gain access to the network and the nodes must have authorization to use the system resources. These are often private blockchains, meant to be used only by members of a shared ledger. These types of blockchains have membership services that manage identity, privacy, confidentiality and auditability within the system.

**Blockchain X.0:** this generation represents a vision for a future when a blockchain service could be public, open and distributed, available for anyone; it will be used like the Google search engine and will provide services for all realms of society.

