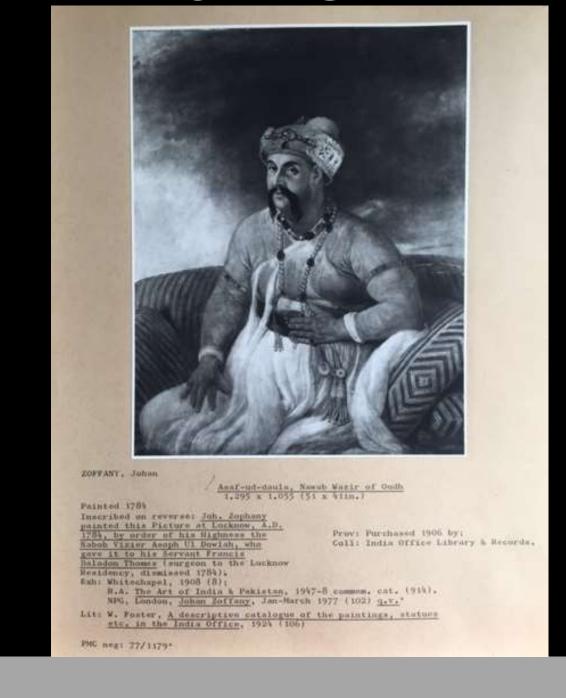
International Image Interoperability Framework Three Case Studies - #CIDOC2017 Panel







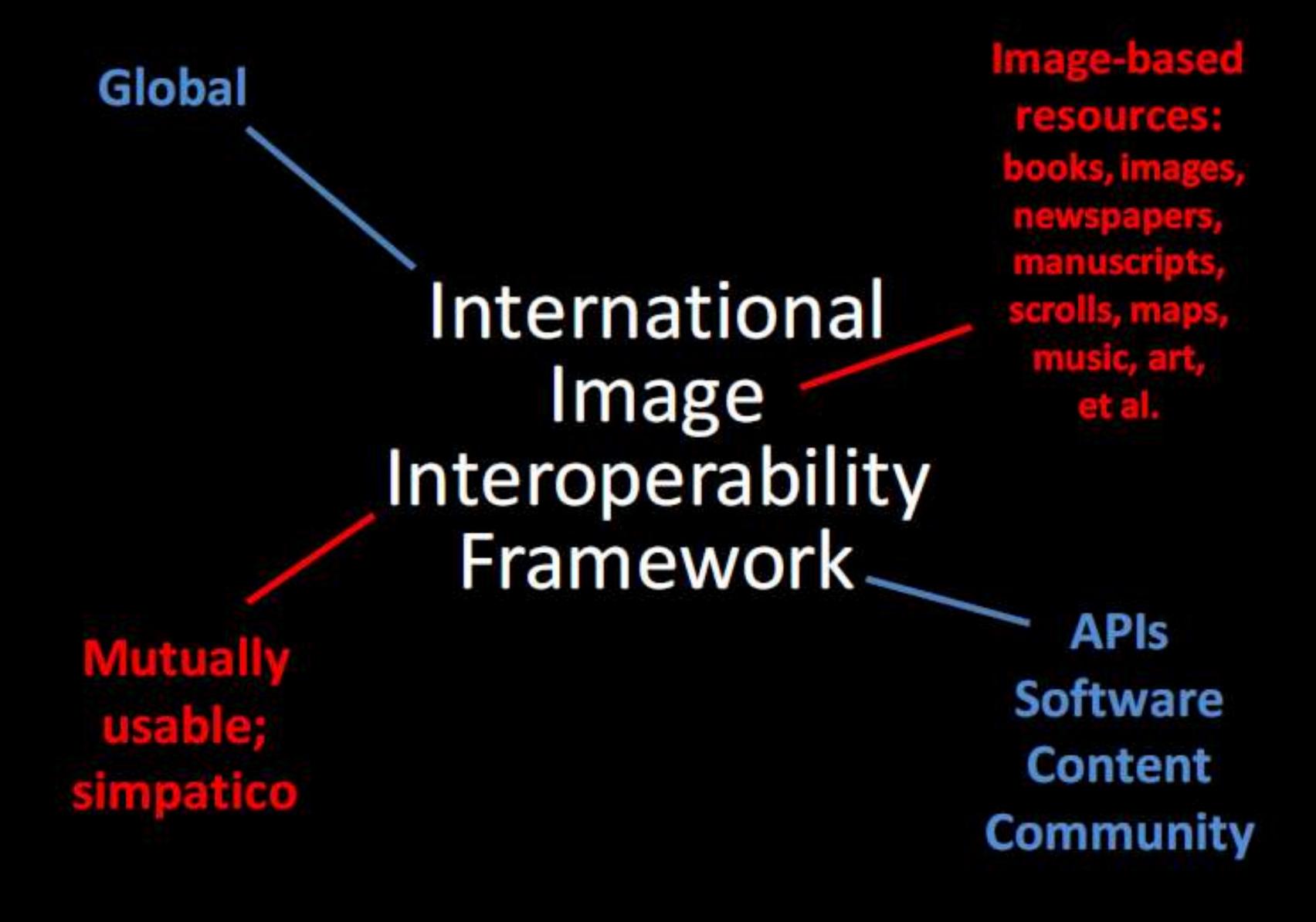
Emmanuelle Delmas-Glass, Collections Data Manager, Yale Center for British Art, USA



Claire Knowles, Library Digital Development Manager, University of Edinburgh, UK

Dieter van Hassel, Info. Manager, Royal Museum for Central Africa, Tervuren, Belgium

Tom Scutt, Digital Manager, Paul Mellon Centre, London, UK





Images are fundamental information carriers for cultural heritage

But image delivery is...

...too hard

...to slow

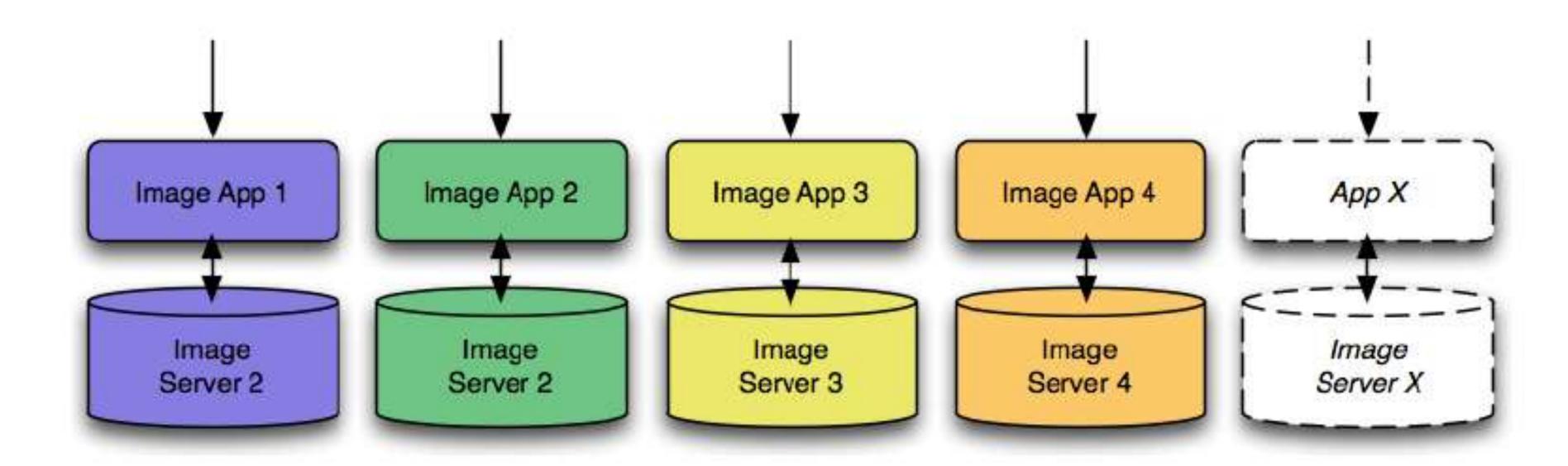
...idiosyncratic

...to disjointed

...too ugly

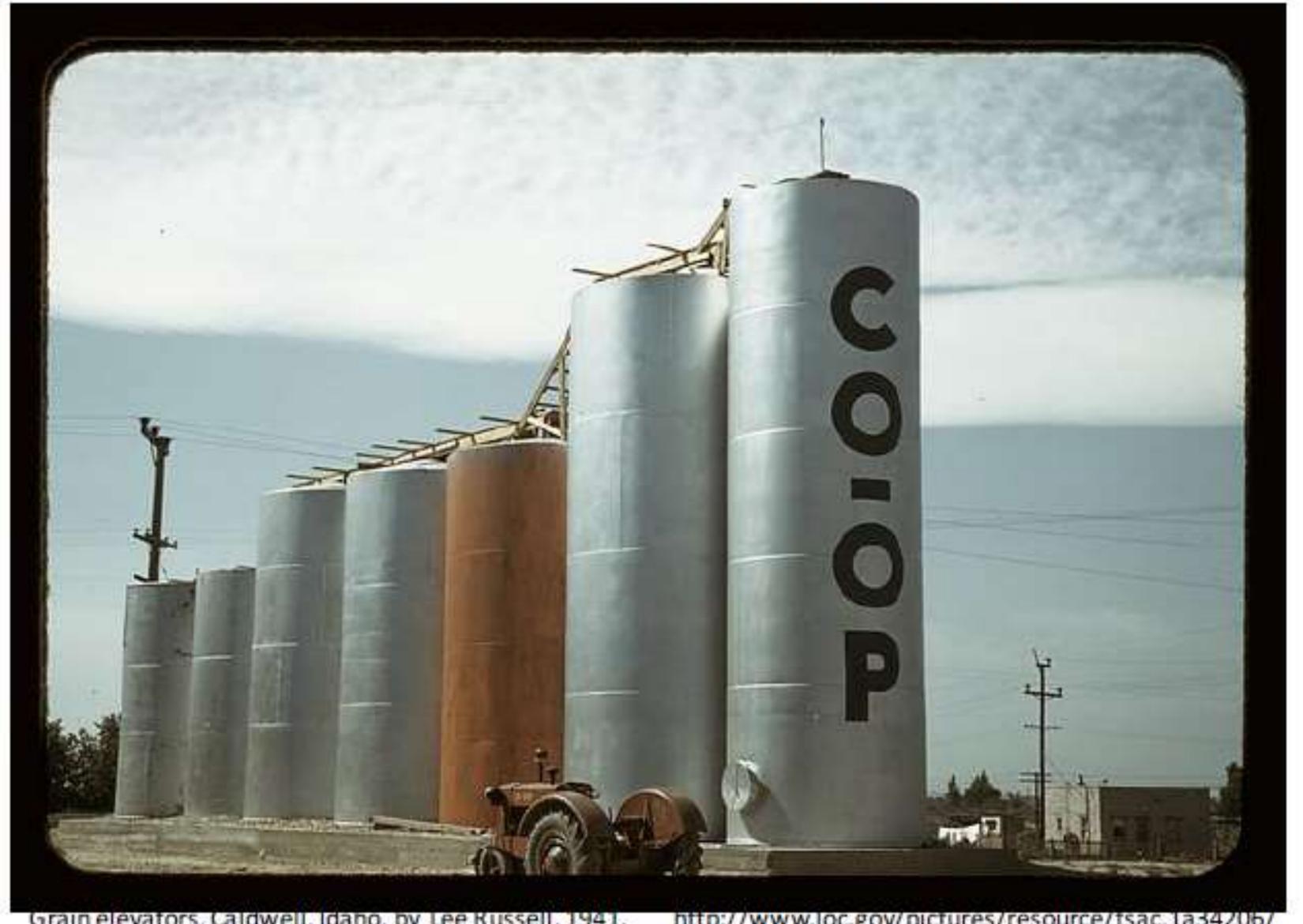
...and we all suffer because of it: users are isolated and institutions can't share easily, which is frustrating given the increasing volume of digital assets available

A world of silos & duplication



- Every site a silo (> no interoperability)
- Every app a one-off (> overhead to code and keep)
- Every user forced to cope (>> many Uls, little integration)

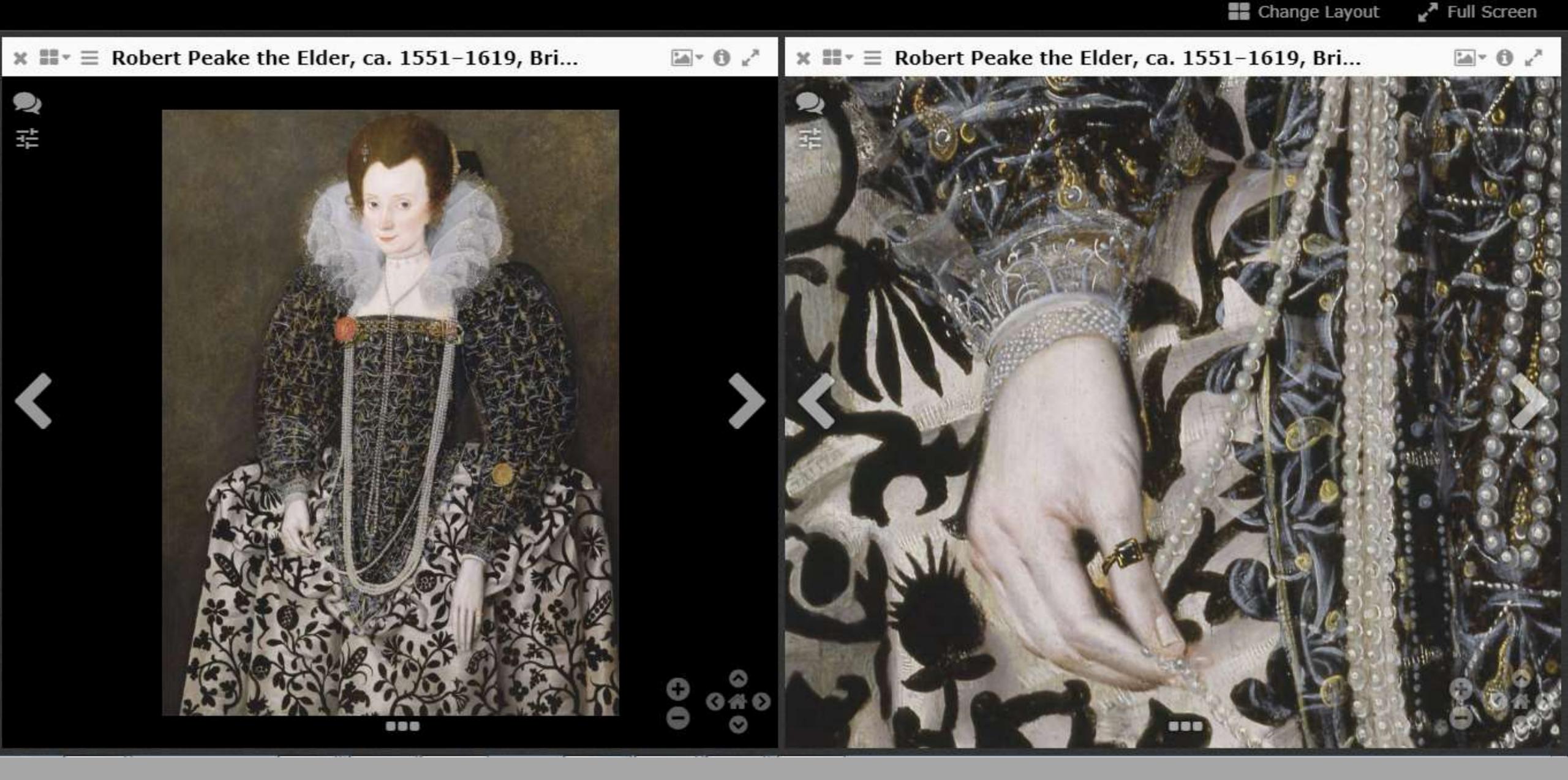
Welcome to Silo-ville



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

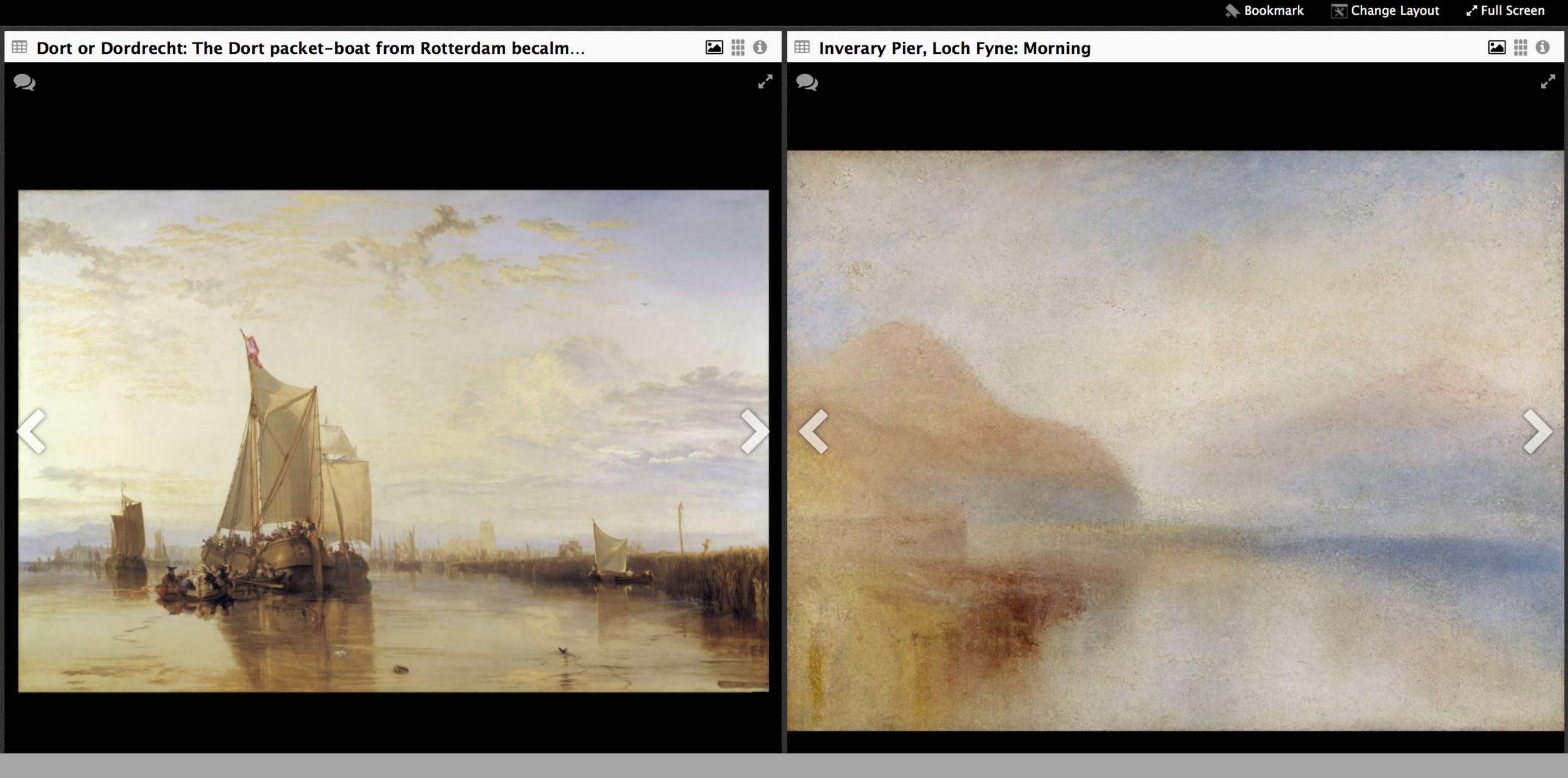
Researchers' requirements

- Image quality
- Manipulate images (deep zoom, image comparison,...)
- Collaborate with colleagues across the world (share images, annotate,...)
- Produce quality research



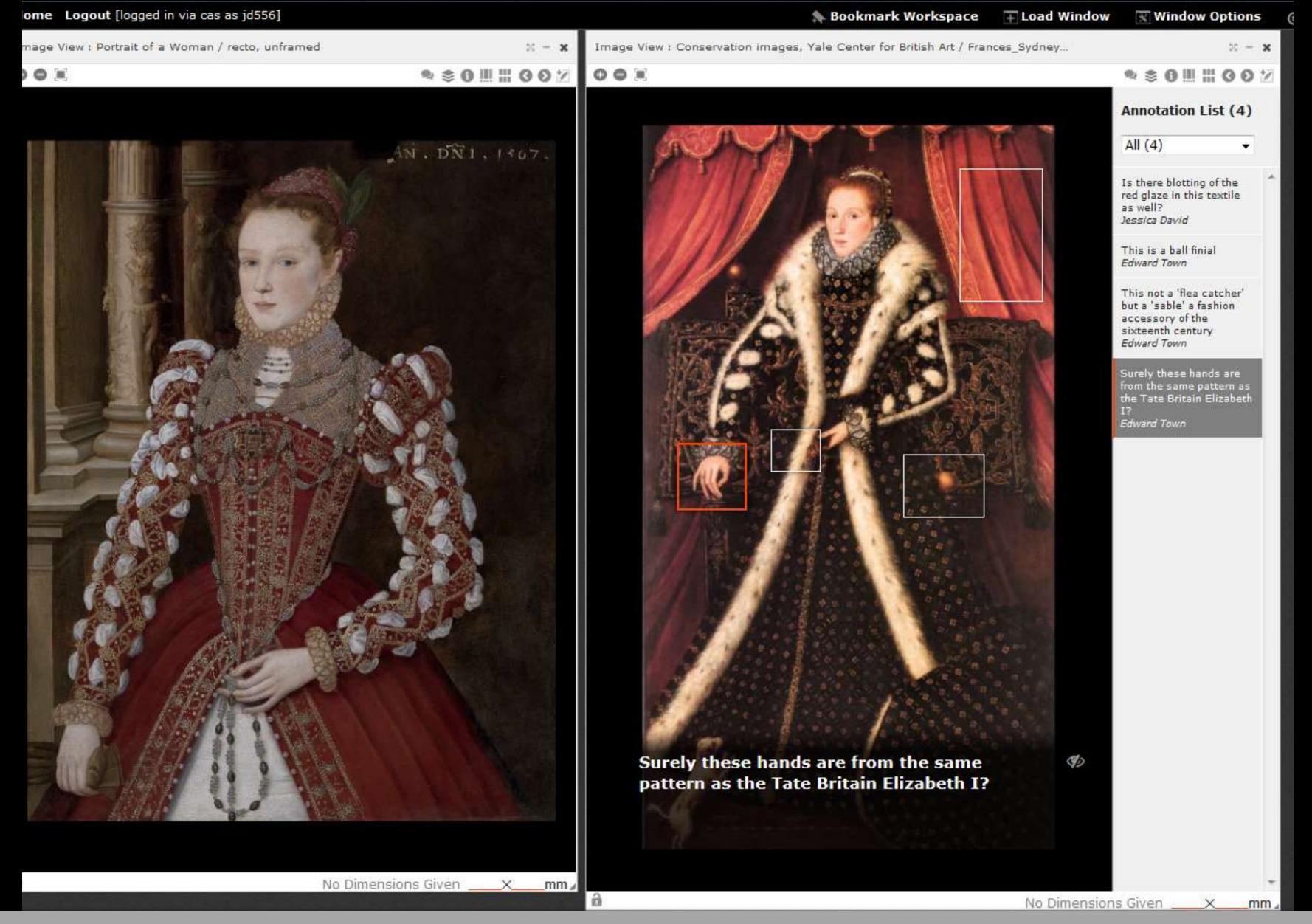
YALE
CENTER
FOR
BRITISH
ART

Deep zoom



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ART

Image comparison



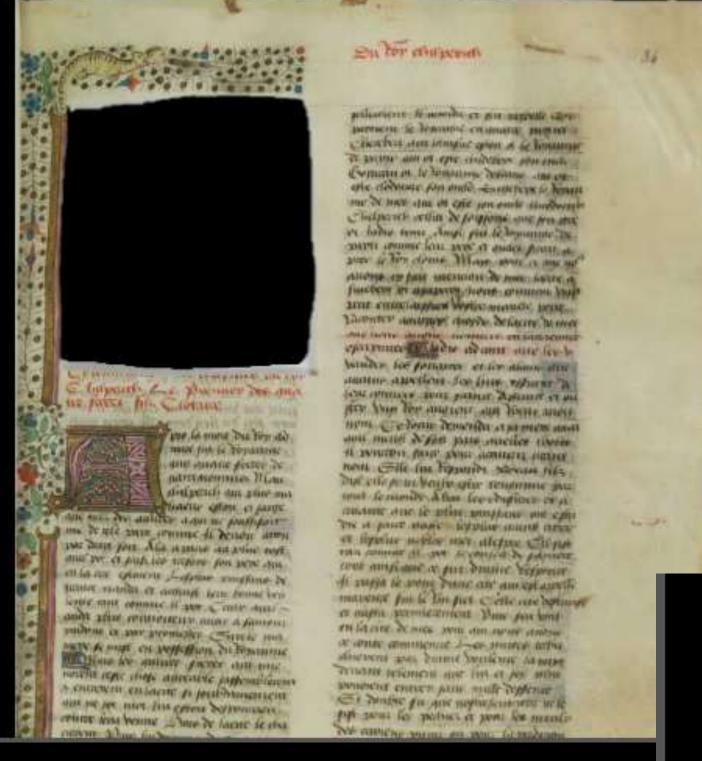
YALE
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FOR
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ART

Bring images from different collections together and annotate them

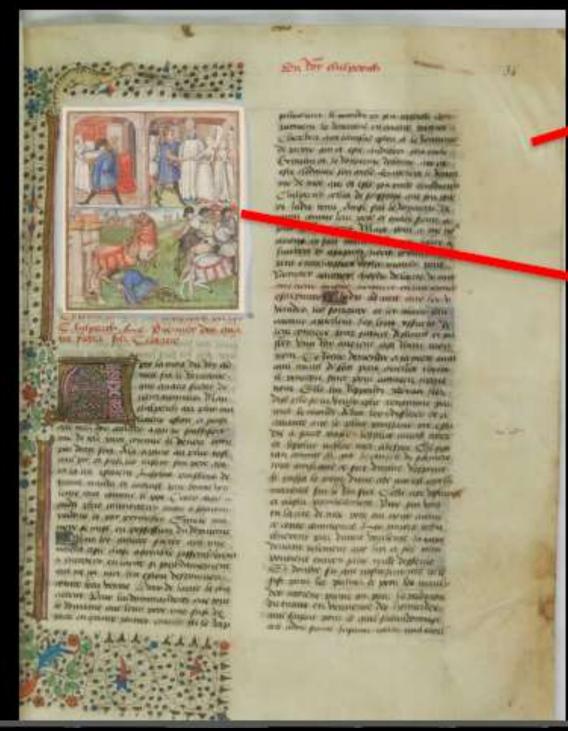


Le manuscrit 5 de la Bibliothèque municipale de Châteauroux, c. 1460

Folio in BVMM Miniature in the BNF



Virtually reconstitute works that have been cut





Biblissima: MSS of France

http://demos.biblissimacondorcet.fr/chateauroux/

Museums and funding institutions' requirements

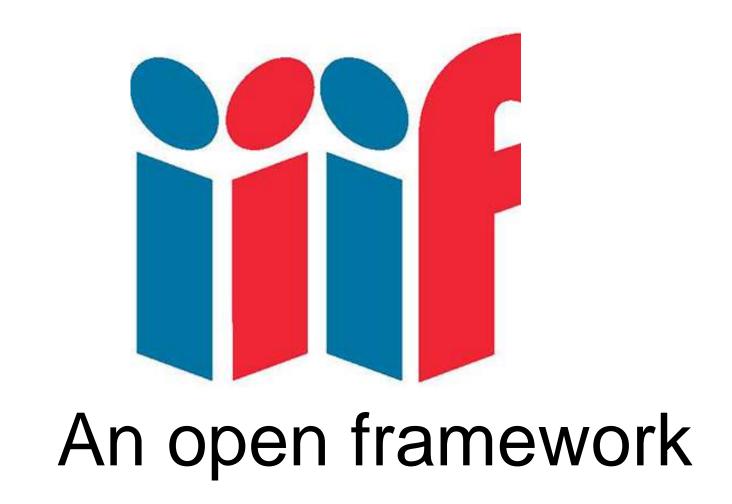
- Stop funding/developing technological solutions for short lived projects/proprietary silos
- Invest in community developed standards and technology that leverage museums' digital assets and data (LIDO, CRM, IIIF)
- Develop long term technological solutions that support the whole institution, not just projects
- Develop long term technological solutions that make the museum relevant in the network environment



A Community

that develops **Shared APIs**, implements them in **Software**, and exposes interoperable **Content**

In other words:



for organizations to publish their image-based resources,

to be viewed, cited, annotated, and more by any compatible image-viewing application

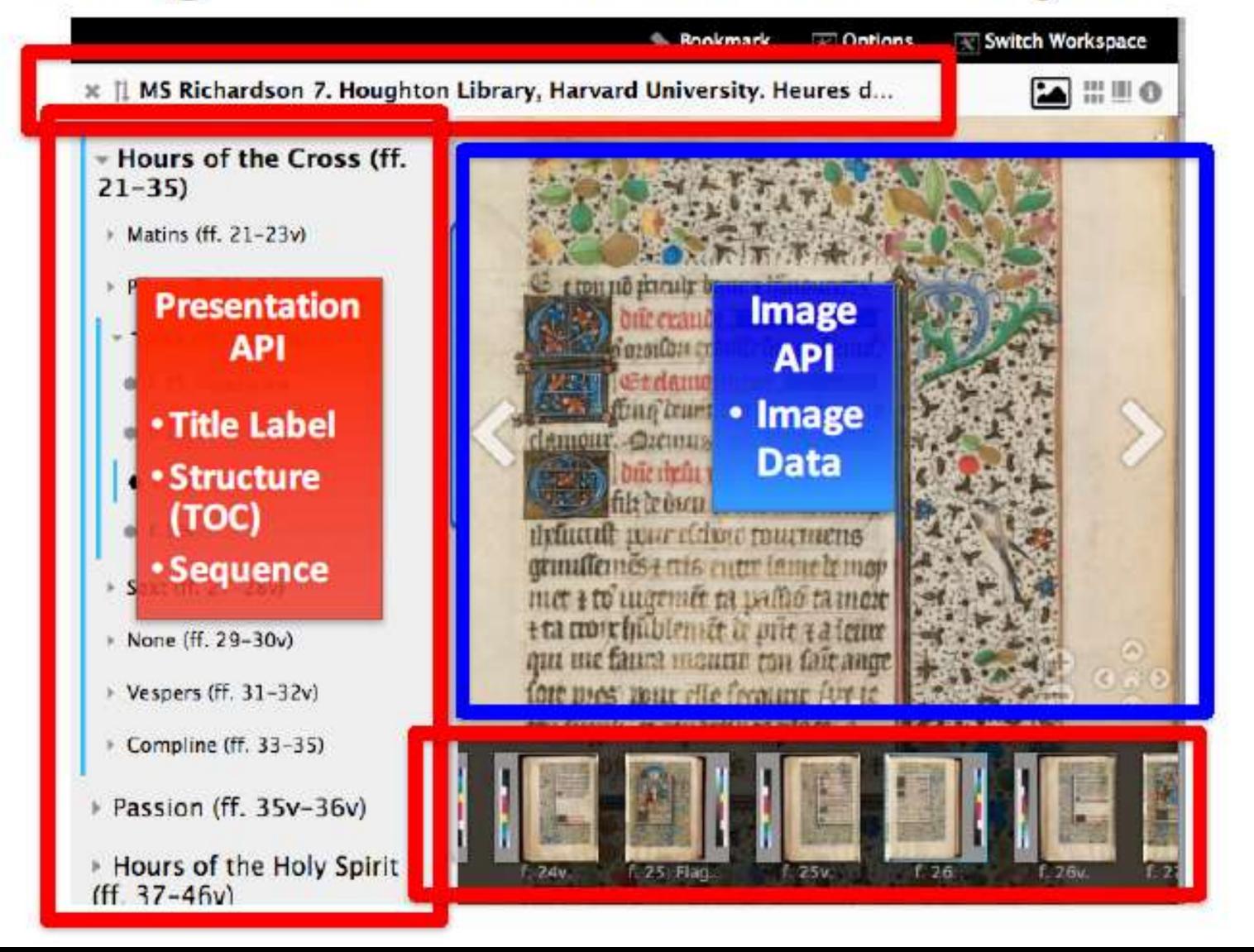
through a set of common application programming interfaces (API) that support interoperability between image repositories.



- Image API 2.1: gets the image pixels
- Presentation API 2.1: just enough metadata to drive a remote viewing experience
- Search API 1.0: search within an object, such as the full text of a book or newspaper
- Authentication API 1.0: to support login, and differential access to resources.
- AV API (draft): deliver timebased media (audio, video)

APIs provide a structured way for connecting systems: http://iiif.io

Image + Presentation = Object



Global Participation



International Leaders

Museums / Galleries

British Museum
National Gallery of Art
The J. Paul Getty Trust
The Walters Art Museum
Yale Center for British Art
Et al.

Aggregators

ARTstor

CONTENT

DPLA

Europeana

Internet Archive

Wikimedia Foundation

State / National

Libraries

Austria

Bavarian State

British Library

Denmark

Egypt

France

Israel

Moravian Library

New Zealand

Norway

Poland

Scotland

Serbia

Wales

Qatar

United States (LoC)

Vatican

Universities and

Research Institutions

Cambridge

Cornell

Ghent

Gottingen

Harvard

Oxford

Princeton

Stanford

Edinburgh

Toronto

Wellcome Trust

Yale

And many more!

