

The background of the slide features a large, light gray watermark of the Stanford University seal. The seal is circular with a diamond border and contains the text "STANFORD JUNIOR UNIVERSITY" at the top and "1891" at the bottom. In the center is a shield with a redwood tree and the text "SOCIETY OF CHRISTIAN LEADERSHIP".

IIIF, APIs and Robust Use of Digital Archives

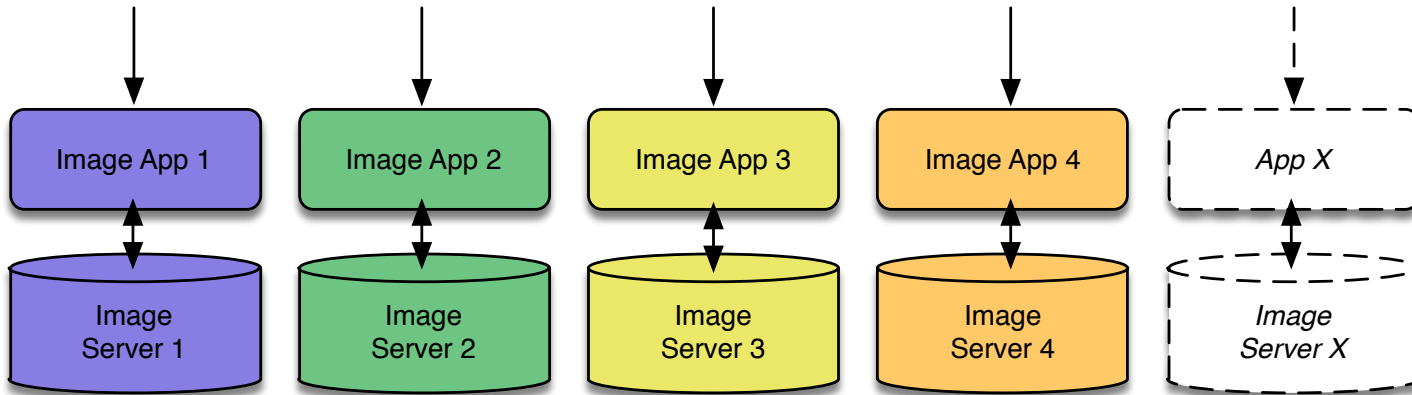
REALIZING IIIF'S POTENTIAL THROUGH
TRAINING, ADVOCACY, RESOURCES, ACCESS

Regan Murphy Kao

Stanford University Libraries

March 24, 2018

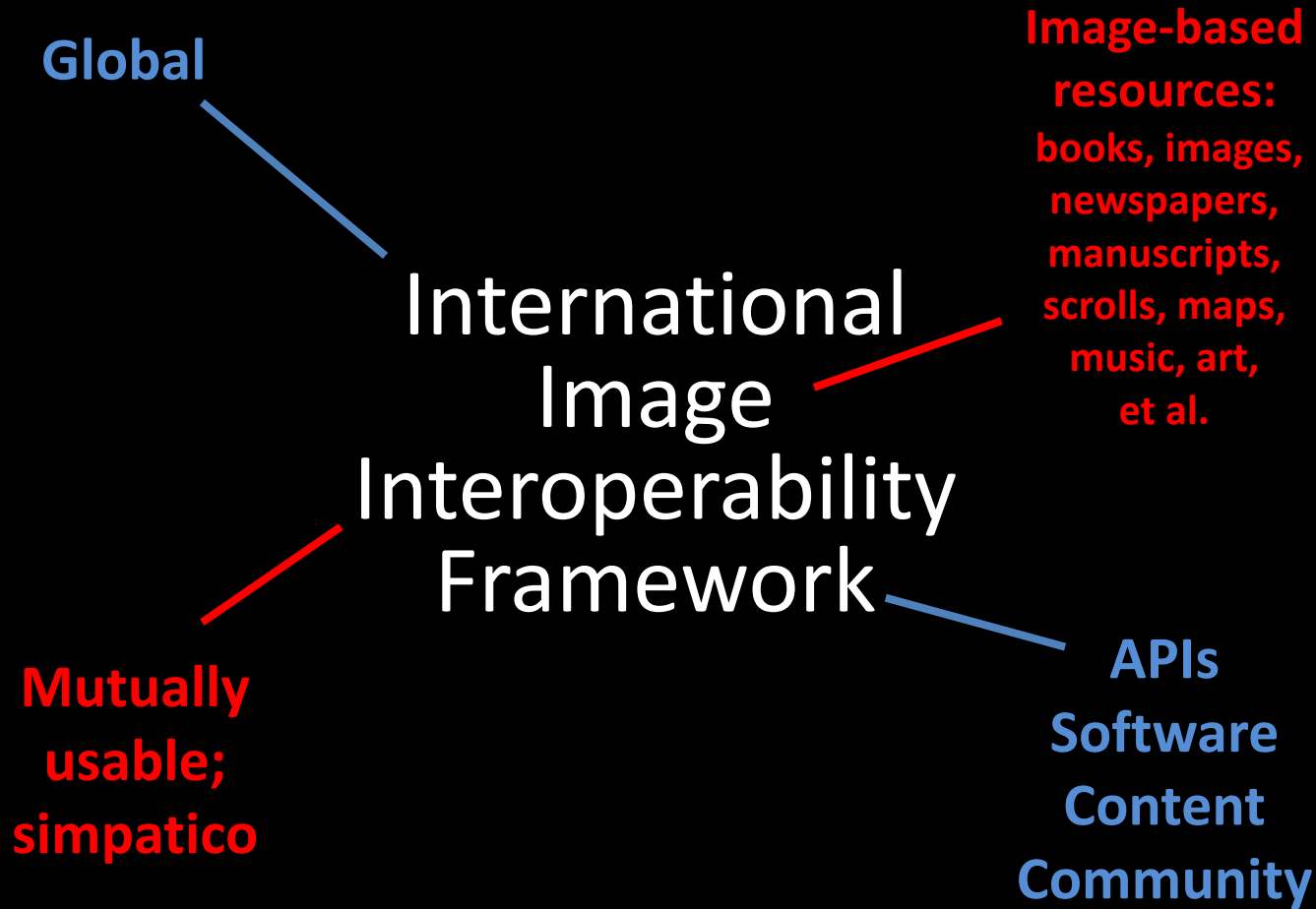
A world of silos & duplication



EVERY SITE A SILO (→ NO INTEROPERABILITY)

EVERY APP A ONE-OFF (→ OVERHEAD TO CODE AND KEEP)

EVERY USER FORCED TO COPE (→ MANY UIs, LITTLE INTEGRATION)



IIF-C Founding Members to Date

- | | |
|---|-------------------------------------|
| ○ Artstor | ○ National Library of Poland |
| ○ Bavarian State Library (BSB) | ○ National Library of Scotland |
| ○ British Library | ○ New York University |
| ○ Brown University | ○ North Carolina State University |
| ○ Cambridge | ○ Ohio State University |
| ○ Chinese U. of Hong Kong | ○ Oxford |
| ○ Cornell | ○ Penn State University |
| ○ Data Futures | ○ Princeton |
| ○ Ecole Polytechnique Federale de Lausanne (EPFL) | ○ Saint Louis University |
| ○ Europeana | ○ Smithsonian Institution |
| ○ Folger Library | ○ Stanford |
| ○ J. Paul Getty Trust | ○ University of Basel |
| ○ Johns Hopkins | ○ University of Edinburgh |
| ○ Harvard University | ○ University of Göttingen |
| ○ Hong Kong University | ○ University of Leiden |
| ○ Indiana University | ○ University of Michigan |
| ○ Kyoto University Library Network | ○ University of Notre Dame |
| ○ MIT | ○ University of Pennsylvania |
| ○ National Gallery of Art (US) | ○ University of Tokyo |
| ○ National Library of France | ○ University of Toronto |
| ○ National Library of Israel | ○ Vatican Library |
| ○ National Library of Norway | ○ Wellcome Library |
| | ○ Yale University |
| | (incl. Yale Center for British Art) |

IIIF Vision

CREATE A GLOBAL FRAMEWORK BY WHICH IMAGE-BASED RESOURCES (IMAGES, BOOKS, MAPS, SCROLLS, MANUSCRIPTS, MUSICAL SCORES, ETC.)

...FROM **ANY** PARTICIPATING INSTITUTION CAN BE
DELIVERED IN A STANDARD WAY

...VIA **ANY** COMPATIBLE IMAGE SERVER

...FOR DISPLAY, MANIPULATION AND
ANNOTATION IN **ANY** APPLICATION,

...TO **ANY** USER ON THE WEB.

IIIF Vision, continued

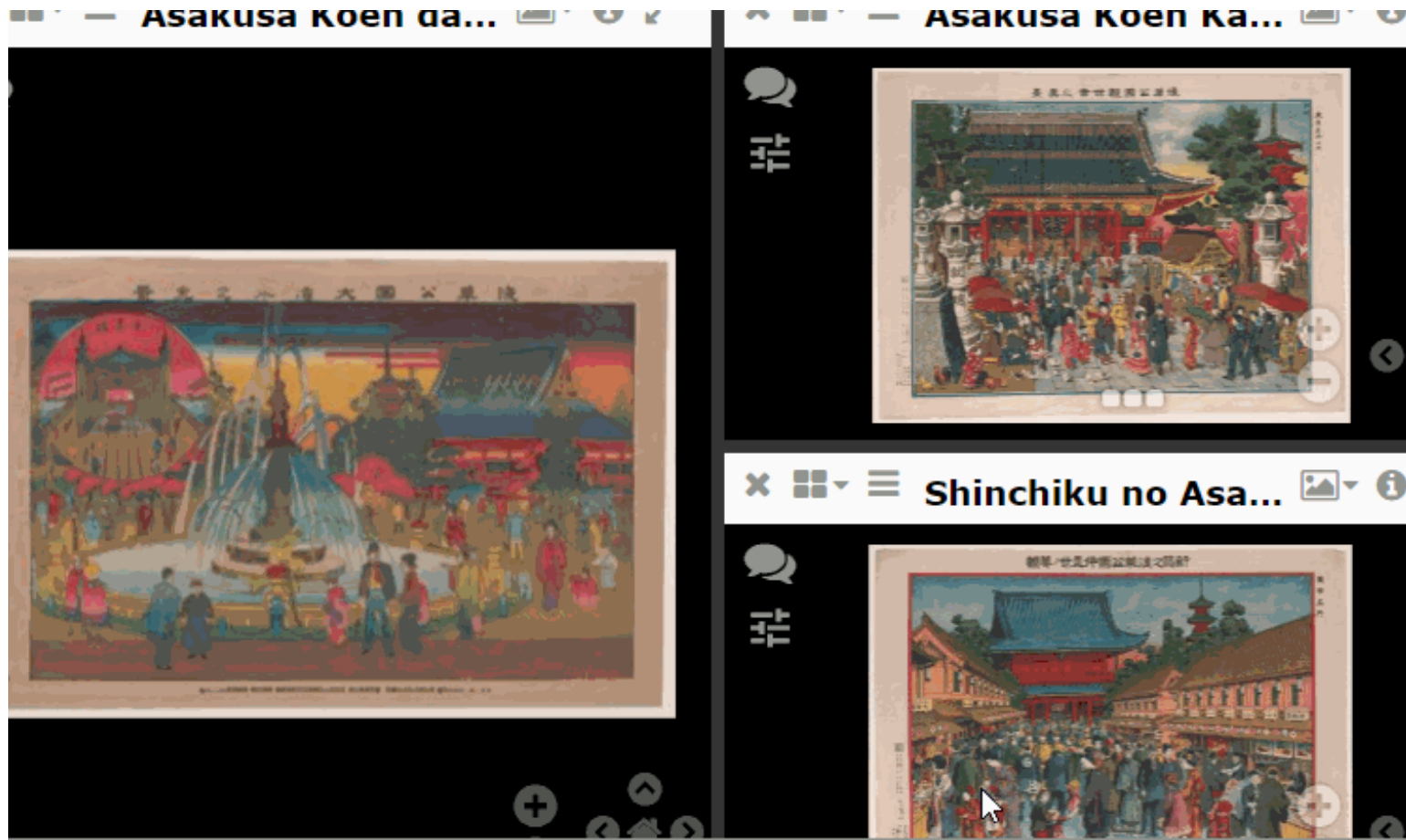
- with **tens of millions** of image-based resources
- backed by a consortium of **world-leading cultural heritage and research institutions**
- supported by a rich and growing suite of **software tools**
- incorporating the **best of current image delivery technology**, and **leveraging Web standards**

Deep Zoom with Large Images

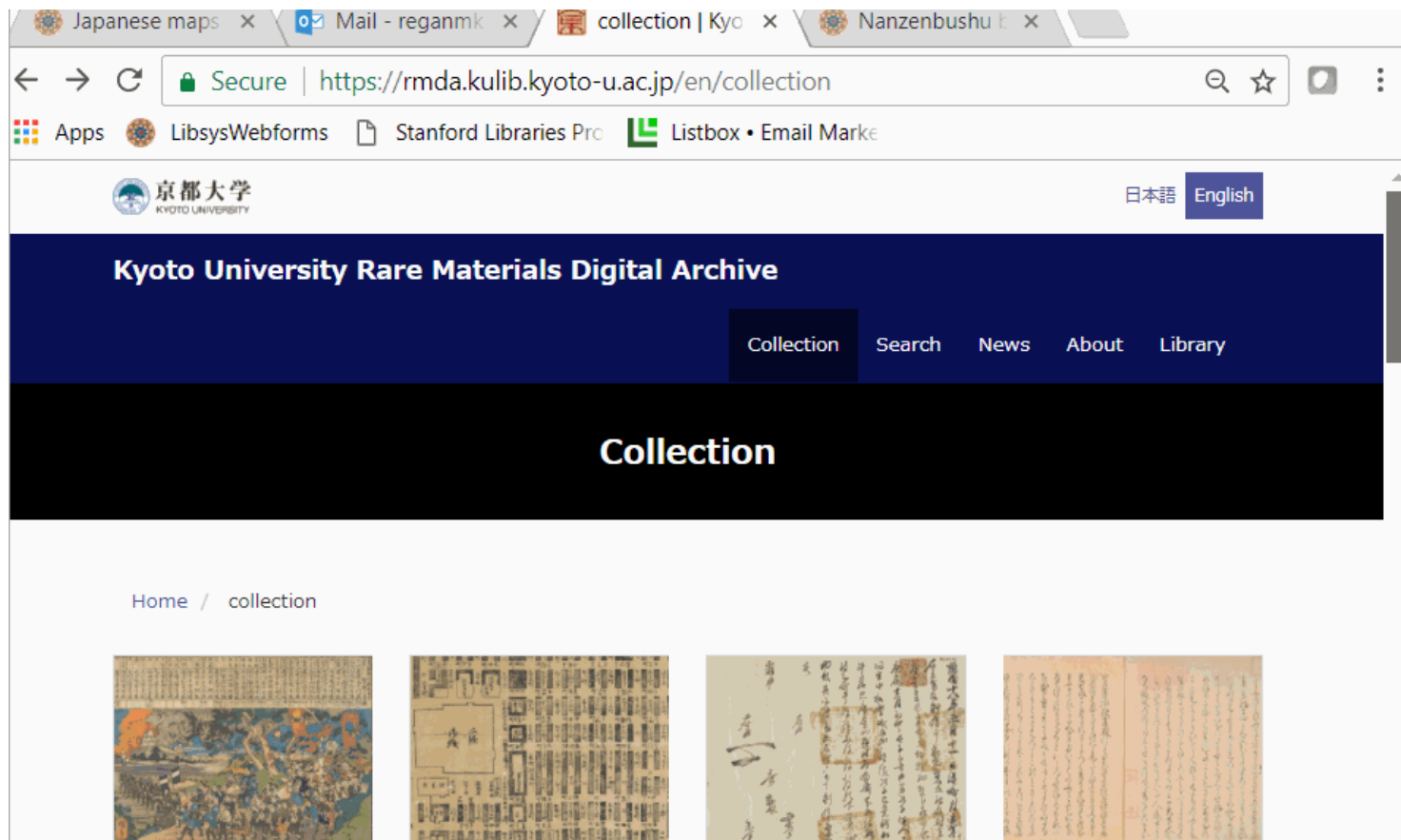


Compare within a Collection

- Compare two or more images in one workspace



Or across Institutional Repositories



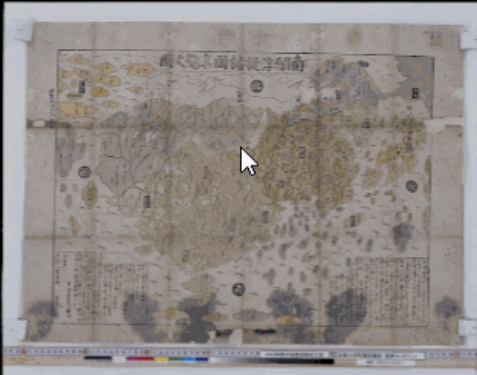
Annotate

← → ↺ | Secure | <https://rmda.kulib.kyoto-u.ac.jp/en/item/rb00020077#c=0&m=0&s=...> 🔍 📄 ☆ 📱 ⋮

Apps LibsysWebforms Stanford Libraries Pro Listbox • Email Marke

南閭浮提諸国集覧之図

+ - ↺



ATTRIBUTION ✕
Kyoto University Rare Materials
Digital Archive

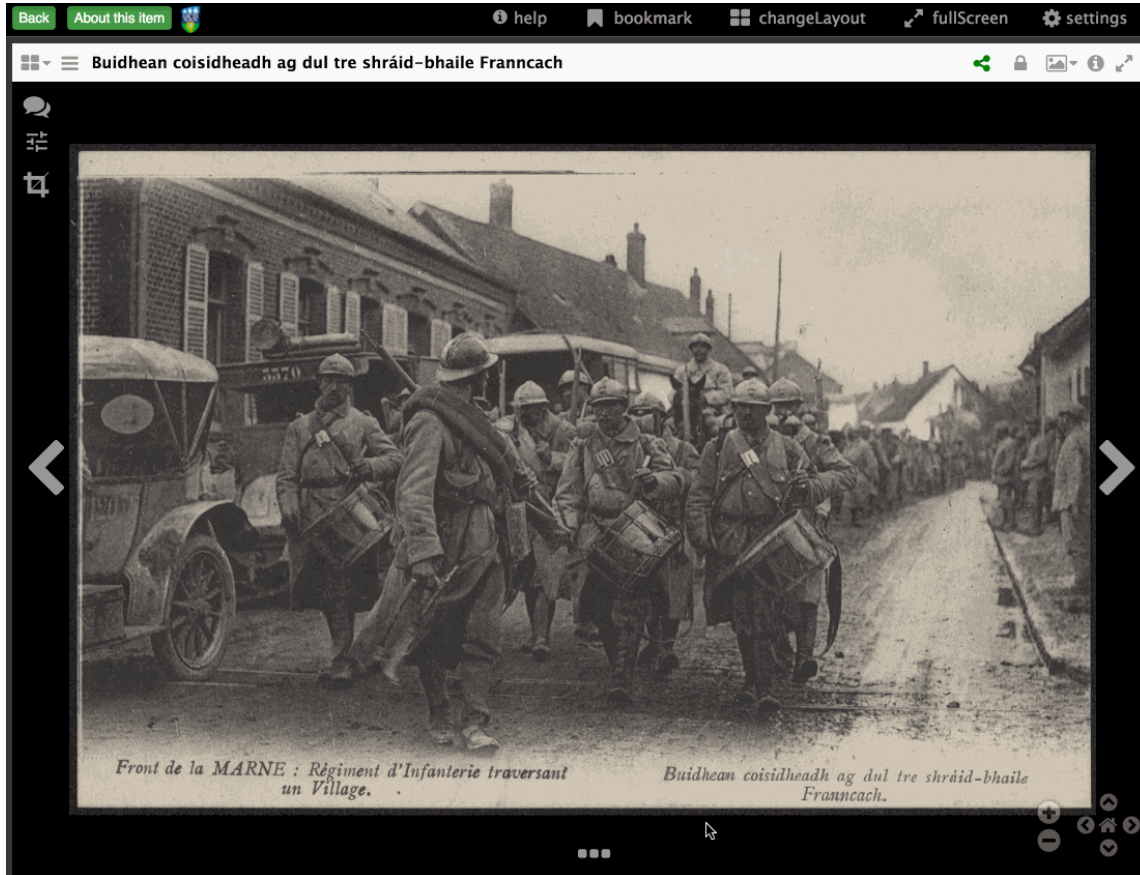
MANIFESTO Universal Viewer Mirador

南閭浮提諸国集覧之図

Record ID RB00020077

Related record
[南閭浮提諸国集覧之図\(なんりょうふだい\)](#)

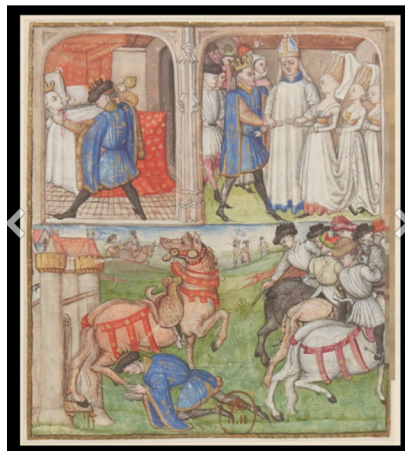
Cite and share



Right-to-left reading



Collect items that belong together



LE MANUSCRIT 5 DE LA
BIBLIOTHÈQUE MUNICIPALE
DE CHÂTEAUROUX, c. 1460

FOLIO IN BVMM
MINIATURE IN THE BNF






Reunify

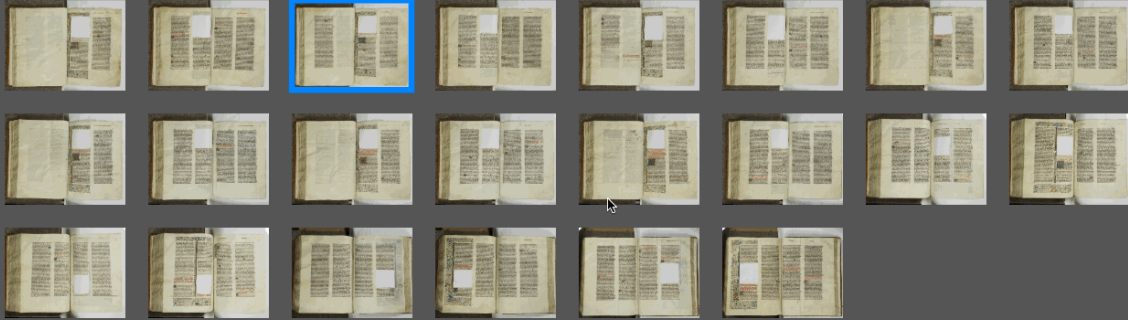
Biblissima ^{II} PROJET ↓ OUTILS DÉMOS DOC

Démos ^{II} f t w o

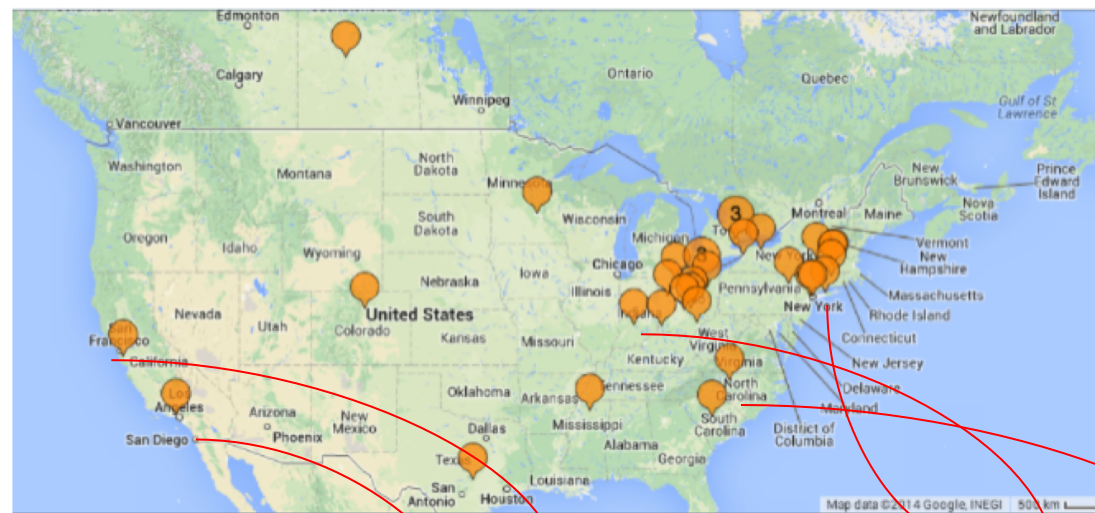
Proto-BBMN 1713 Prototype Bibliothèque de Florus **Grandes Chroniques de France** Mirador Atelier RDF/SPARQL 2014

☒ A propos ☐ Afficher les miniatures ?   

[Mort de Gondevald. Entretien entre Gontran et Childebart]



Ege MS No. I - Reconstructed



Change Layout Full Screen

DETAILS:

LABEL:
Ege MS No. 1 - Reconstructed

DESCRIPTION:
Infamous biblioclast Otto Ege owned a 12th-century French glossed bible in the first half of the 20th century. During the 1940s and 1950s this manuscript was broken apart and individual leaves used in his portfolio set Fifty Original Leaves from Medieval Manuscripts. Copies of this portfolio set, of which forty are known to have existed, were sold throughout North America and were purchased by public and academic libraries. At the time of this reconstruction, 33 institutions holding leaves from this glossed bible have been identified - there are more out there, as the manuscript reconstruction is still far from complete. The current reconstruction brings these leaves together in a single viewing interface as a partially reconstructed whole in order to demonstrate the power of interoperability to make whole, once again, objects which were thought to be irreparably fragmented. In this reconstruction, Stanford's leaves have no label other than folio number. All other institutions are listed in the folio labels themselves.

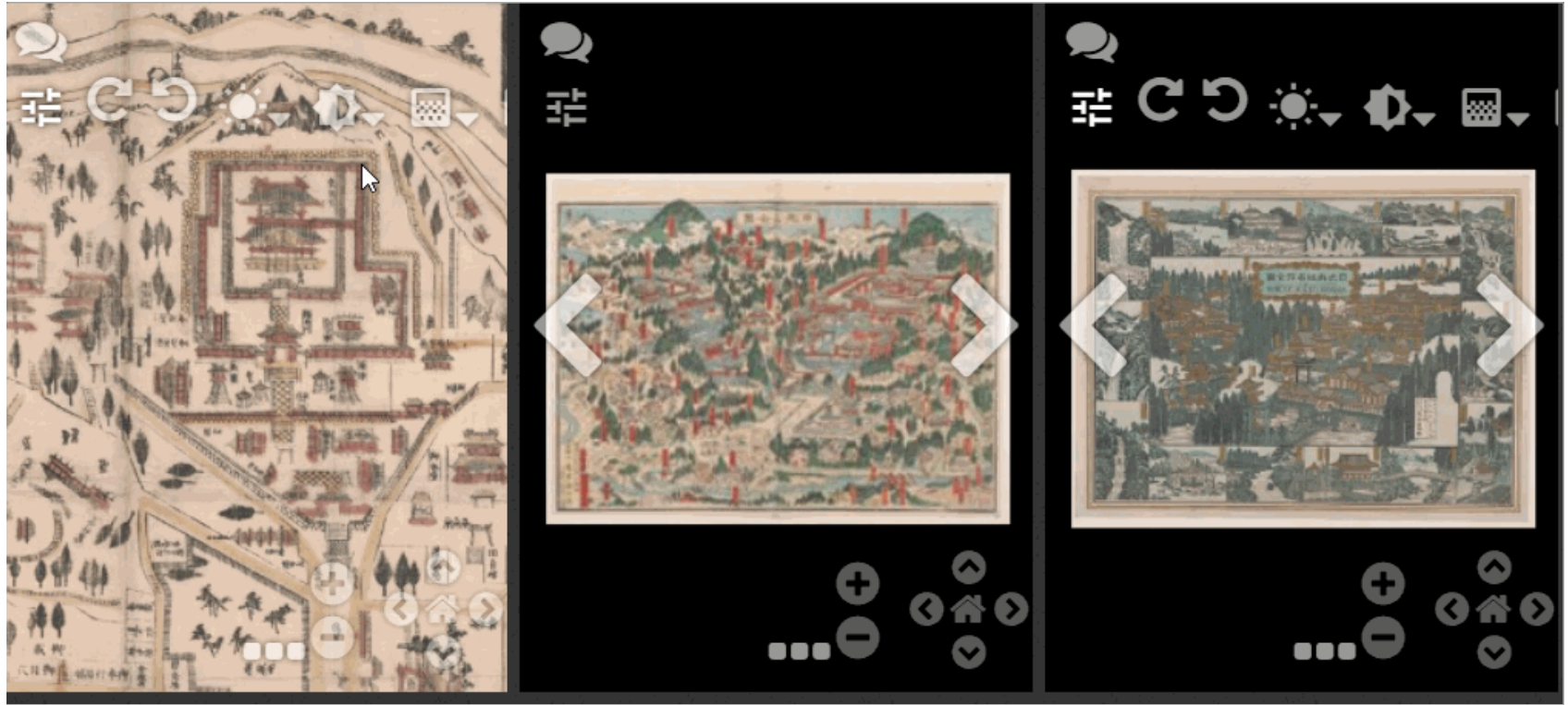
RIGHTS:

ATtribution:
Draft reconstruction provided by Benjamin L. Albritton. Images served from Stanford, University of Mississippi, University of North Carolina, Greensboro, and University of South Carolina (the latter three through a shim to allow IIIF of contentDM objects.)

Navigation icons: back, forward, search, etc.

Folio labels: f. 8r, f. 8v, f. 9r, f. 9v, f. 11r, f. 11v, f. 13r, f. 13v, f. 14r, f. 14v, f. 15r, f. 15v, f. 16r, f. 16v, f. 16bisr, f. 16biv

Analyze and Manipulate Images





So What Is IIIF?

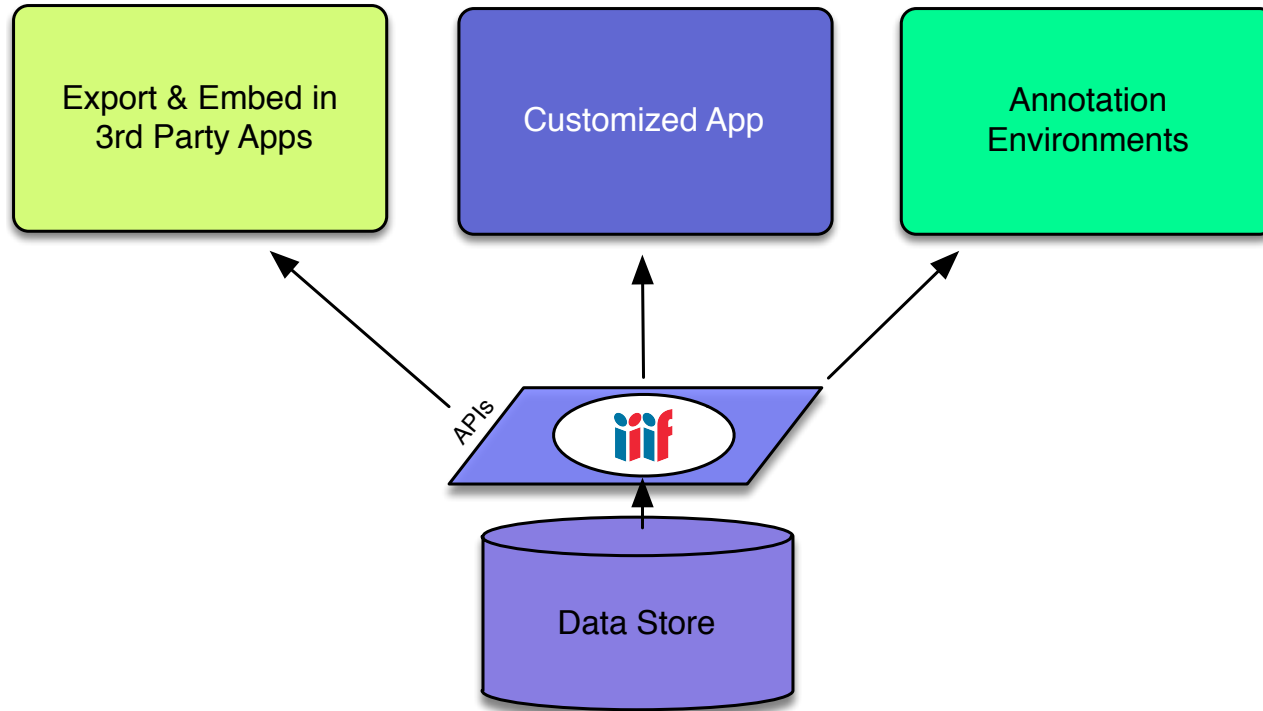


- **A Community**
 - that develops **Shared APIs**,
 - implements them in **Software**,
 - and exposes interoperable **Content**

IIIF Community



APIs* enable reuse



*"Application Programming Interface" -- the part of the server that receives and responds to messages.

IIIF: Two Core APIs

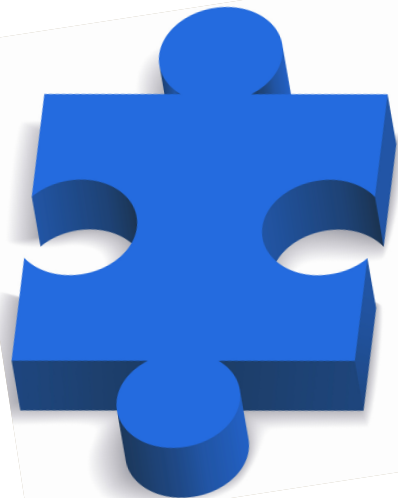


Image API

“get pixels” via a simple, RESTful, web service



Presentation API

Just enough metadata to drive a remote viewing experience

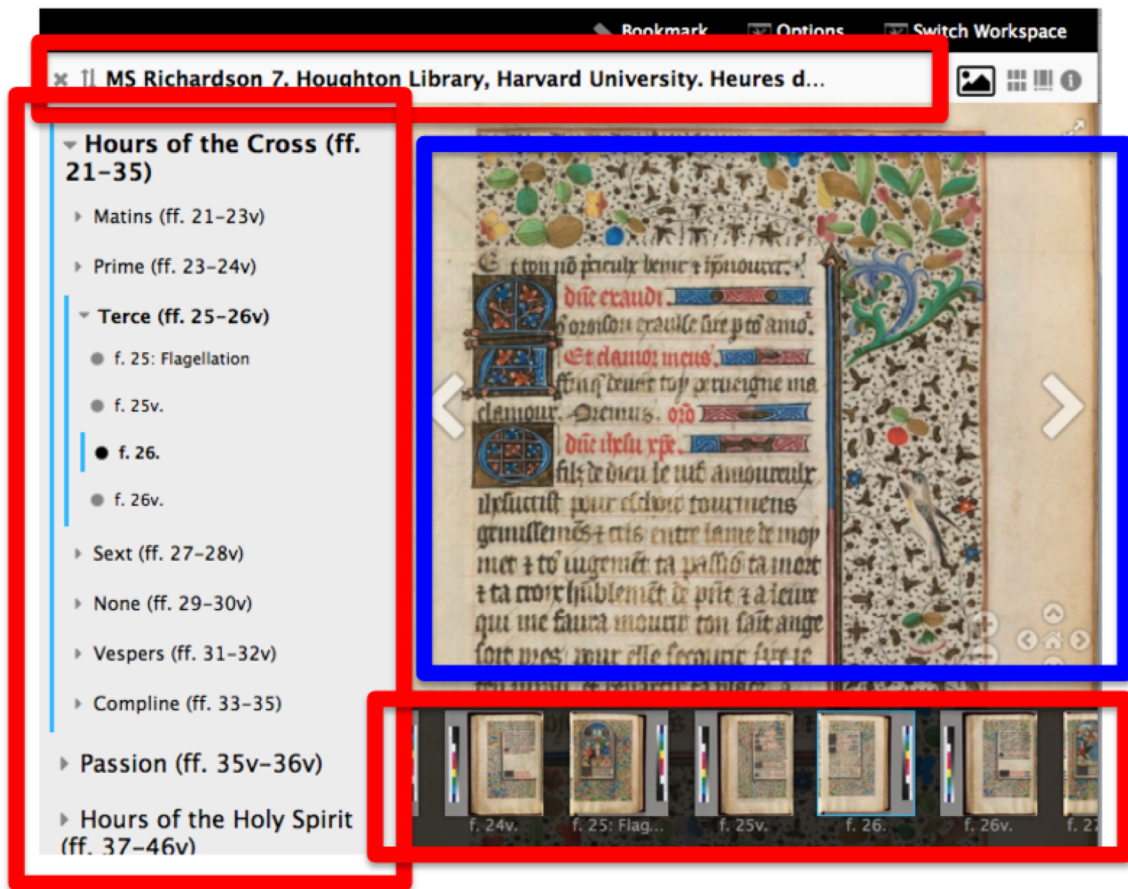
Image pixels + Presentation data = Object

Presentation API

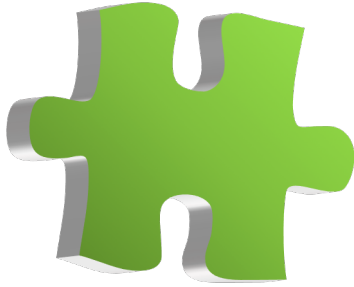
- Title Label
- Structure (TOC)
- Sequence

Image API

- Image Data

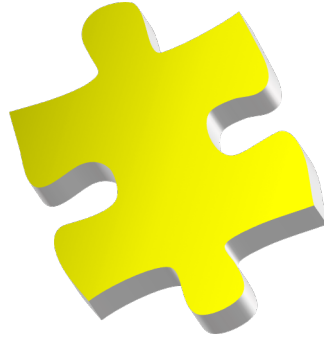


IIIF: Three More APIs



Search API

Search within an object, such as the full text of a book or newspaper



Authentication API

To support login, and differential access to resources.



A/V API

Deliver time-based media (audio, video)

IIIF Content Search API - search within

The screenshot displays a digital library interface for 'The Nubian Message' newspaper. The top navigation bar shows 'Image 1 of 4' and a 'Go' button. The left sidebar contains a 'CONTENTS' section with a table of contents and an 'ATTRIBUTION' section. The main content area features a large article titled 'The Legacy of Dr. Augustus McIver Witherspoon' by LeTonya Dunn. The article includes a portrait of Dr. Augustus McIver Witherspoon and text discussing his life and contributions. The right sidebar contains a 'MORE INFORMATION' section. The bottom of the interface shows a search bar with '219 results found for 'the'' and a 'Clear' button.

CONTENTS

1

2

3

4

ATTRIBUTION

The Nubian Message (LH1 .H6 N83), Special Collections Research Center at NCSU Libraries

page 1 of 4

Previous Result

219 results found for 'the' Clear

Next Result

THE NUBIAN MESSAGE

The African-American Voice of North Carolina State University

Special Edition Established in 1992 April 1, 1995

The Legacy of Dr. Augustus McIver Witherspoon

by LeTonya Dunn

On Saturday, April 1, 1995, the Nubian Message (Nubian Message) celebrated its 10th anniversary. The newspaper, which was founded by Dr. Augustus McIver Witherspoon, has been a vital voice for the African-American community in North Carolina for over a decade. The newspaper's mission is to provide a platform for the voices of African-Americans in the state, and to promote the interests of the community. The newspaper's success is a testament to the dedication and hard work of its staff and readers.

Dr. Augustus McIver Witherspoon was a prominent leader in the African-American community in North Carolina. He was a member of the NAACP and the Urban League, and he served as the president of the North Carolina NAACP. He was also a member of the National Association of Black Journalists and the National Association of Black Public Relations. Dr. Witherspoon was a strong advocate for the rights of African-Americans, and he worked tirelessly to improve the lives of the community. He was a role model for many young people, and his legacy will continue to inspire generations to come.

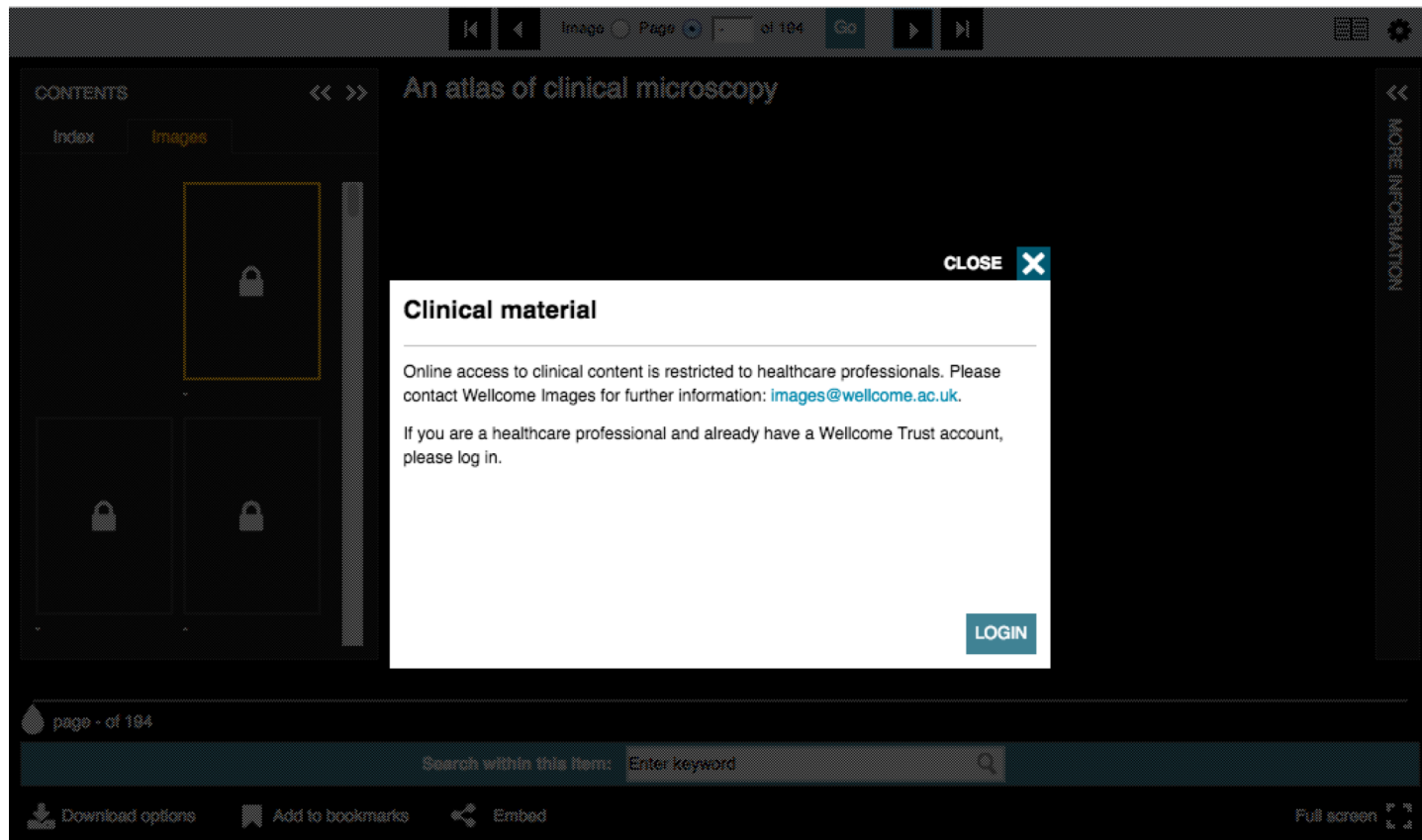
Dr. Witherspoon's contributions to the community were recognized by the Nubian Message, which named him the 'Profound Warrior For Us All' in its 10th anniversary special edition. The newspaper's staff and readers are proud to honor his memory, and they are committed to continuing his legacy of service to the community.

Dr. Augustus McIver Witherspoon

by Rochelle Carlton

Dr. Augustus McIver Witherspoon was a prominent leader in the African-American community in North Carolina. He was a member of the NAACP and the Urban League, and he served as the president of the North Carolina NAACP. He was also a member of the National Association of Black Journalists and the National Association of Black Public Relations. Dr. Witherspoon was a strong advocate for the rights of African-Americans, and he worked tirelessly to improve the lives of the community. He was a role model for many young people, and his legacy will continue to inspire generations to come.

IIIF Authentication API

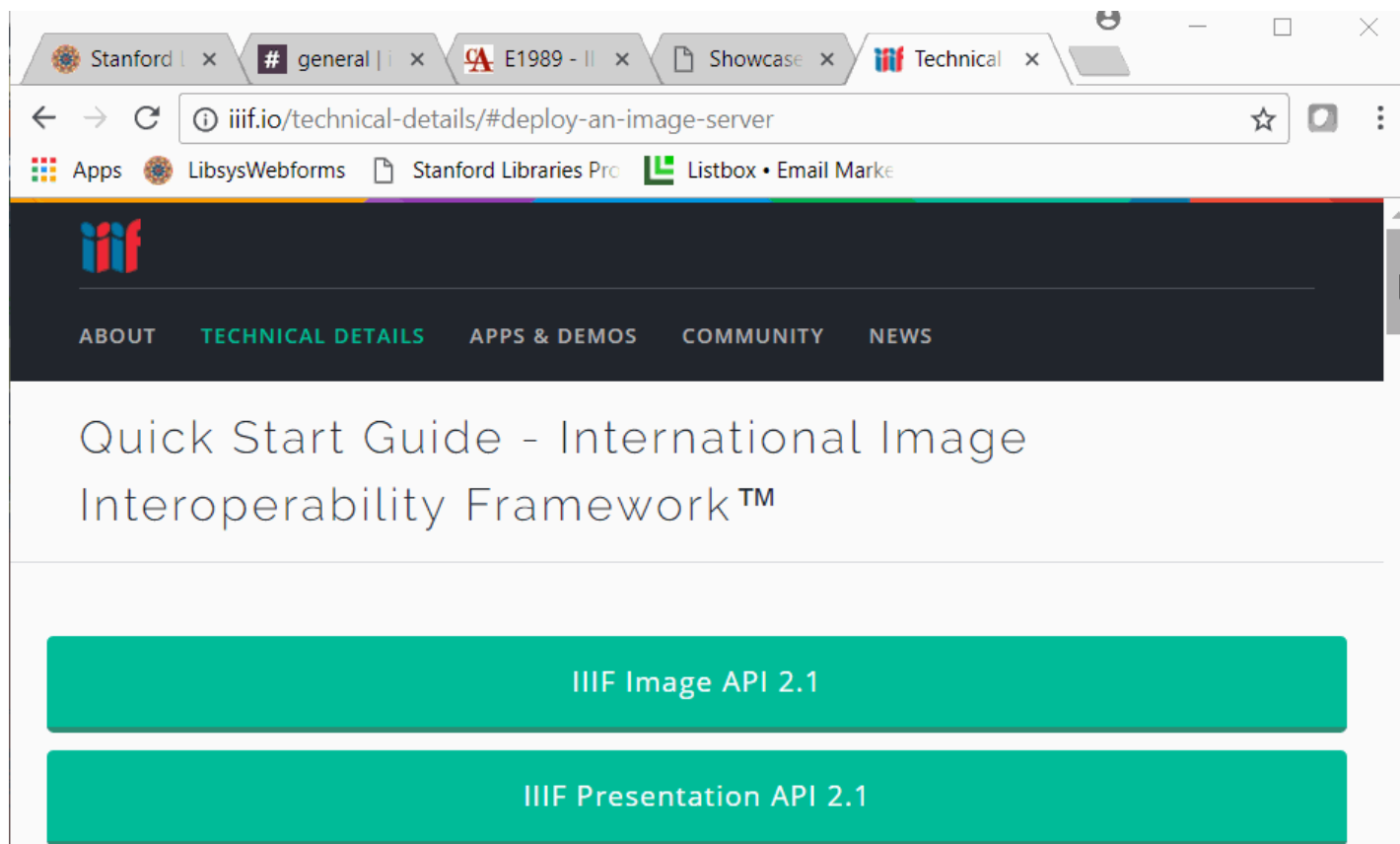


IIIF Compatible Software



More Information on IIIF

IIIF WEBSITE: [HTTP://IIIF.IO](http://iiif.io)



IIIF-Compatible Content

.400,000,000+
Images
.from
.100+ Institutions

IIIF enables users to do more than **view** resources

- Zoom, pan, interact, manipulate
- Compare, reunite, remix & mash up
- Cite and share
- Annotate
- Apply machine learning and AI

IIIF Japan Symposium, October 2017

Stanford Libraries x # japan_posse | iiif Slack x E1989 - IIIF Japanシンポジウム x

current.ndl.go.jp/e1989

Apps LibsysWebforms Stanford Libraries Pro Listbox • Email Marke

CA Current Awareness Portal
図書館に関する情報ポータル

English / 日本語

CA-R CA-E CA 調査研究

カレントアウェアネス・ポータルは、図書館界、図書館情報学に関する最新の情報をお知らせする、国立国会図書館のサイトです。

ホーム » カレントアウェアネス-E » 2018年 (通号No.340- : E1986-) » No.340 (E1986-E1990) 2018.01.25

E1989 - IIIF Japanシンポジウム<報告>

カレントアウェアネス-E
No.340 2018.01.25

E1989

IIIF Japanシンポジウム<報告>

東日本大震災 関連情報

「災害」に関する当サイトの記事

調査研究レポート「東日本大震災と図書館」

国立国会図書館 東日本大震災復興支援ページ

地震・災害 関連情報 (レファレンス協同データベース)

各地の図書館等の被災情報等について (外部リンク)

saveMLAK

#japan in IIIF Slack

iiif 74 tcramer

#japan ☆ 14 1 Add a topic 🔍 Search @ ☆ ⋮

(International Image Interoperability Framework) に関してこのブログで色々記事を書いてきましたが、それを中心しつつ、他の方々が書かれたものも含め、日本語の記事に関して情報をまとめてみました。ご参考になりましたら幸いです。なお、英語を読むことに支障がない人は、ぜひ「Awesome IIIF」をご覧ください。IIIFとは何か 今、まさに広まりつつある国際的なデジタルアーカイブの規格、IIIFのご紹介 「デジタルアーカイブ」における画像共有のための国際規格IIIFについて...

Oct 2nd at 8:43 AM

👍 3

knagasaki 7:40 AM ☆

日本文化コンテンツを含む海外のIIIF対応サイトもリストを共有しておきたいですね。今把握している範囲では、
フランス国立図書館 gallica
ヴァチカン図書館
ブリティッシュ・コロンビア大学図書館
スミソニアン協会図書館
といったところですが、ハーバードも持っていそうな気がします。（ハーバードのはまだ中国のものしか把握できてません）

takaxp (Takaaki Ishikawa) 7:50 AM

本チャンネルを作ろうとの議論において、[iiif.jp](#) に Slack（及びこのチャンネル）への Instruction があれば、国内の皆様が幸せになれそうとの意見がだされておりました。Twitter であれば、固定ツイートに設定しておけば、目立つ状態を維持できそうです。

+ @ 😊

Partial List of IIF Implementers in Japan

国文学研究資料館

[HTTP://LAB.NDL.GO.JP/DHII/OMK2/](http://lab.ndl.go.jp/dhii/omk2/)

[HTTP://WWW.NINJAL.AC.JP/](http://www.ninjal.ac.jp/)

SHIMANE UNIVERSITY LIBRARY DIGITAL ARCHIVE COLLECTION

中野区立図書館

GENERAL LIBRARY IN THE UNIVERSITY OF TOKYO

大蔵出版(DAIZO SHUPPAN) AND SAT大蔵経テキストデータベース研究会(SAT DAIZŌKYŌ TEXT DATABASE COMMITTEE)

慶應義塾大学メディアセンター KEIO UNIVERSITY LIBRARIES

高知県立高知城歴史博物館 国文学研究資料館

味の素食の文化センター 国文学研究資料館

日本古典籍データセット (国文研所蔵) [CODH](#)配信

KYOTO UNIVERSITY RARE MATERIALS DIGITAL ARCHIVE

AND NEXT MONTH ...THE NATIONAL MUSEUM FOR JAPANESE HISTORY
AND THIS COMING SUMMER ...THE NATIONAL DIET LIBRARY.

Realizing IIF's Potential through...

TRAINING

ADVOACAY

RESOURCES

ACCCESS

Thank you very much!

REGAN MURPHY KAO
EAST ASIA LIBRARY
STANFORD UNIVERSITY
REGANMK@STANFORD.EDU

