



Title	Essential Material for Humanities Researchers: An Introduction to Research Data Management and Publishing and Utilizing IIIF Images with OUKA
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Note	

The University of Osaka Institutional Knowledge Archive : OUKA

<https://ir.library.osaka-u.ac.jp/>

The University of Osaka



3. What are IIF Images?

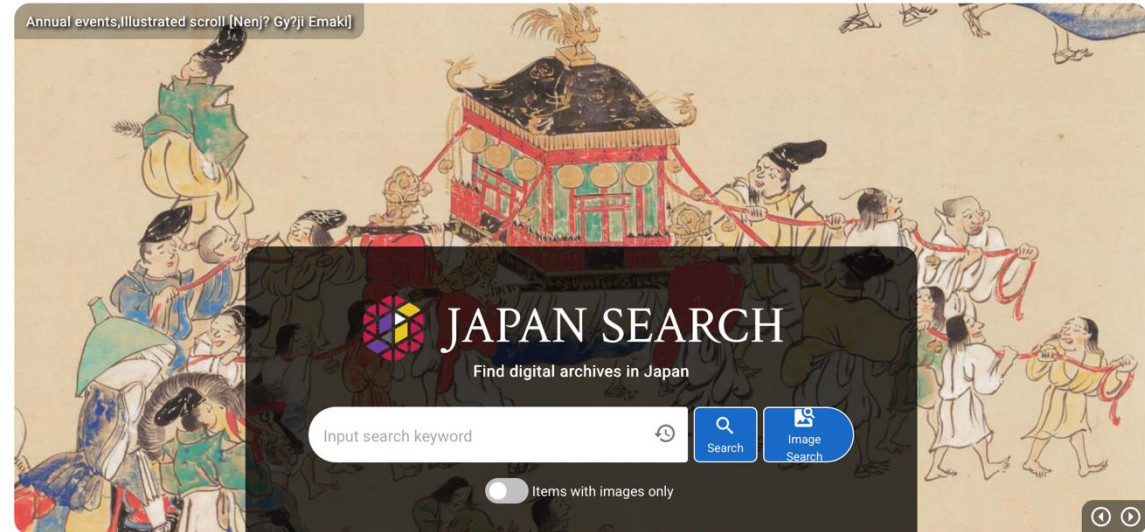
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1. What are Digital Archives?
2. Overview of IIF
3. Benefits of the IIF framework
4. Examples of IIF images published in the University of Osaka Institutional Knowledge Archive OUKA

What are Digital Archives?

Websites that digitize and publish materials that are historically and academically valuable (important documents, cultural assets etc)

- Published by companies or research institutions.
- Avoid the risk of exhibiting the original materials.
- Allow for many people to discover them



For First-timers



Free for Educational or Commercial Use



Gallery



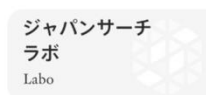
User's Guide



Usecase



See Partners



Labo

User Issues

The methods of digital content access **are inconsistent** across institutions

- Users need to learn how to operate each institution's interface
- A complicated interface can discourage users



Publisher Issues

The Silo Effect

- Information released by each organization is not standardized, making it difficult for users to effectively use and interconnect their data
 - No standard for interface or publication format
 - Different organizations use different systems, leading to a confusing variety of interfaces, increasing the burden on users to learn and share information.
- As technological advances render the current interfaces outdated, updating them can incur significant technical and financial costs.



Japan Heritage Portal Site “Silos of Meiji Park”
<https://japan-heritage.bunka.go.jp/ja/culturalproperties/result/6355/>

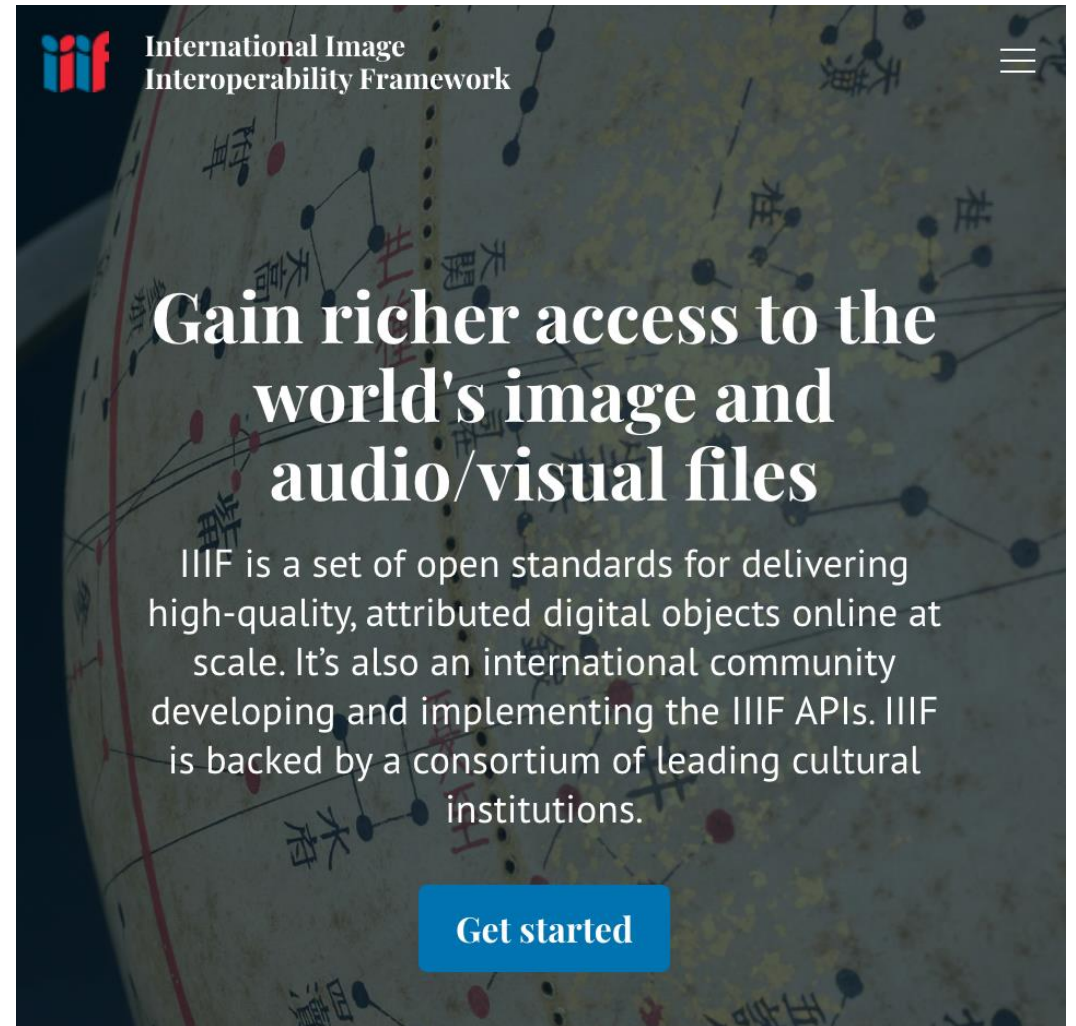
Overview of IIF

IIF (Triple-I-F)

<https://iif.io/>

(International Image Interoperability Framework)

- International standard (framework and protocol) for sharing, displaying, and annotating images on the internet.
- Used mainly by libraries, museums, archives, and other cultural institutions.
- Main goal: to improve interoperability among image collections held by different institutions.
- Easier to access, compare, and study diverse collections from around the world.



International Image Interoperability Framework

Gain richer access to the world's image and audio/visual files

IIF 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 IIF APIs. IIF is backed by a consortium of leading cultural institutions.

[Get started](#)

Overview of IIF (2)

User's Perspective

- Once a user learns how to operate one IIF-compliant digital archive, they can basically understand how to use other IIF-compatible archives as well
- Users can choose their preferred viewer (image browsing app)

Publisher's Perspective

- By using programs and systems that follow the IIF standard, there's no need to develop a viewing system from scratch
- Since system developers face less burden, development costs are reduced

Benefits of the IIF Framework

1. Standardized Access

Because access methods are standardized, users can view images from different sources in the same way

2. Support for High-Resolution Images

Even large images can be displayed efficiently, and their details can be viewed clearly

3. Flexible Display Features

Users can zoom in, rotate, or compare images side by side

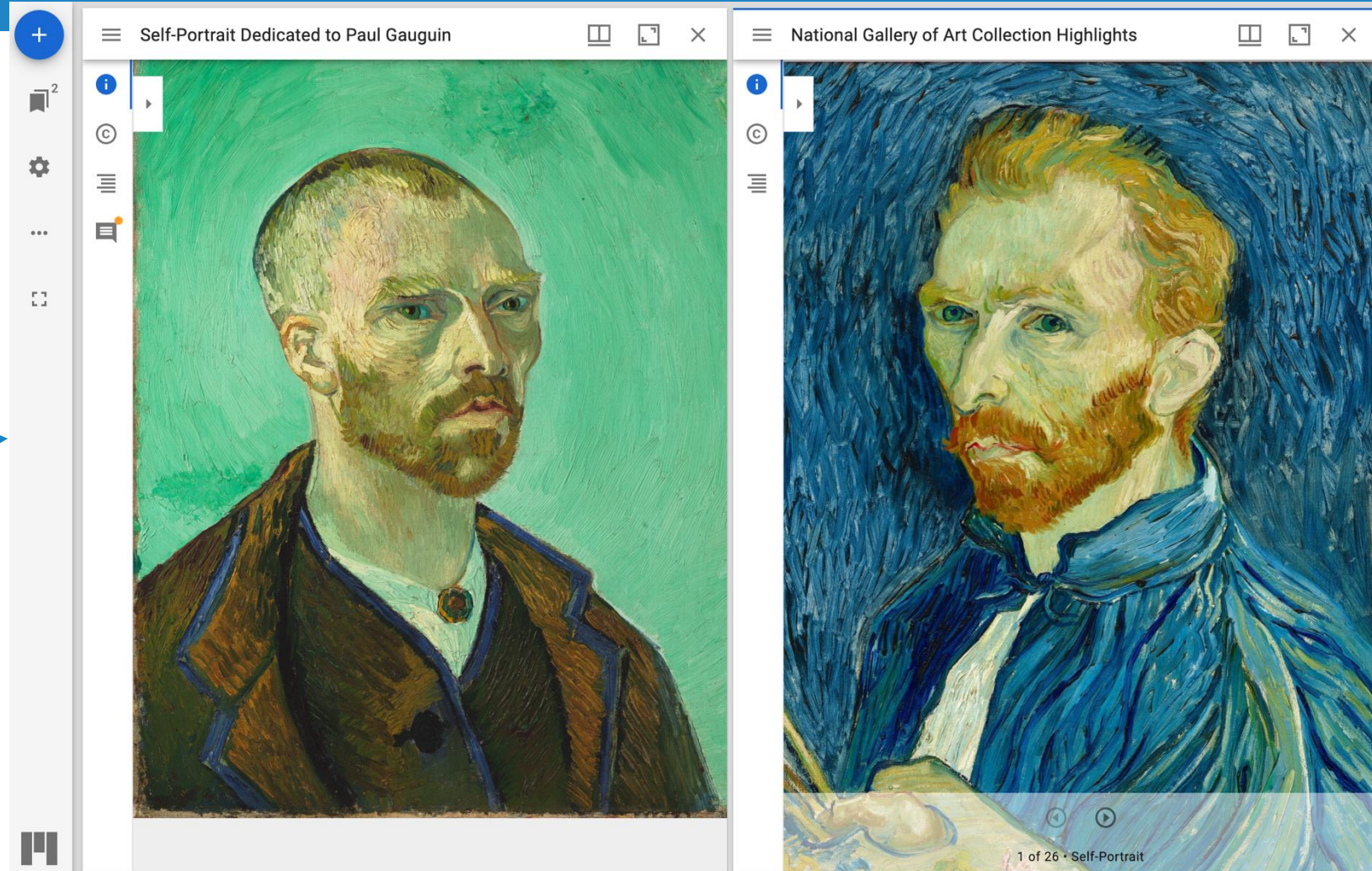
4. Annotation and Sharing

Users can add annotations to images and share them with others

Standardized Access

This image viewer is an example of the software "Mirador" and is accessible from the official website.

Harvard Art Museums
(Massachusetts)



National Gallery of Art
(Washington)

Mirador Viewer: https://mirador-dev.netlify.app/__tests__/integration/mirador/

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High-resolution Image Support



“Detailed Revised Map of Fire Outbreak Locations from the Great Edo Earthquake” – University of Tokyo General Library



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Flexible Image Display Features



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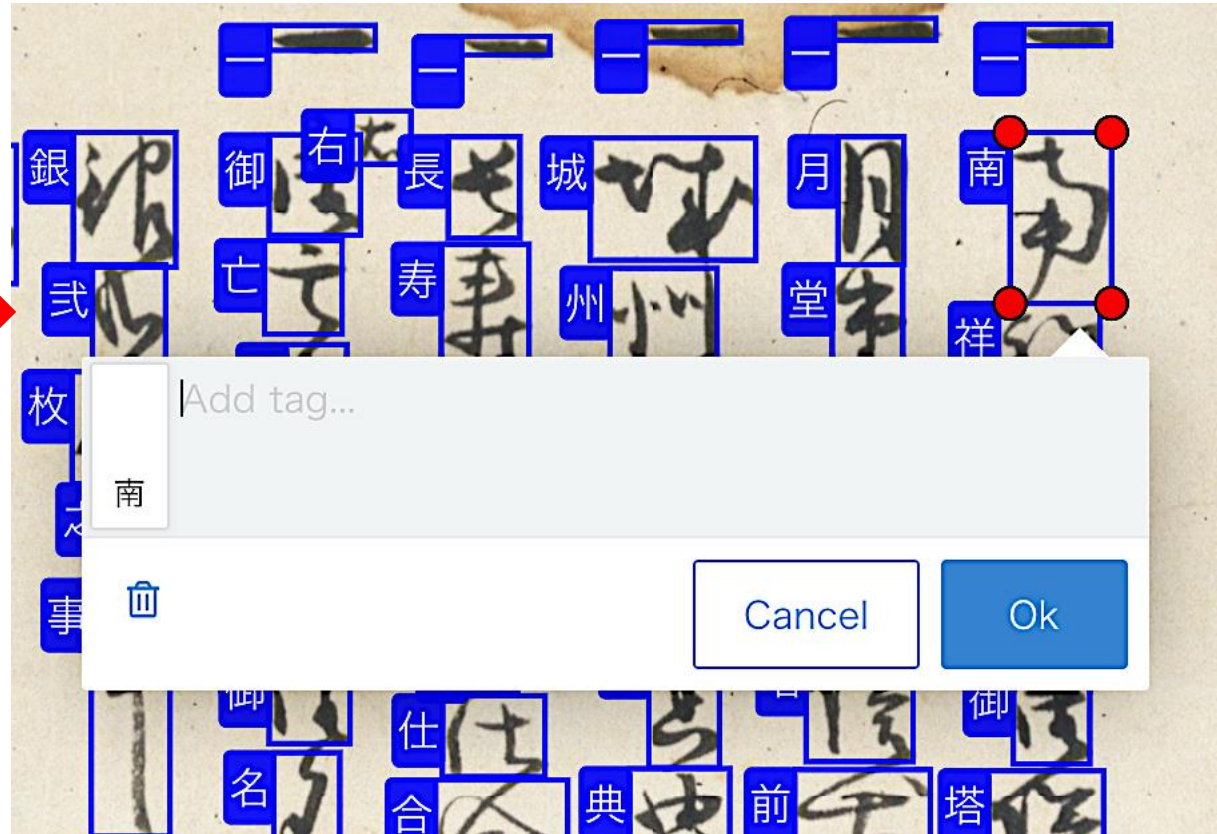
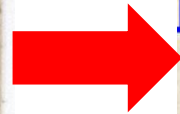
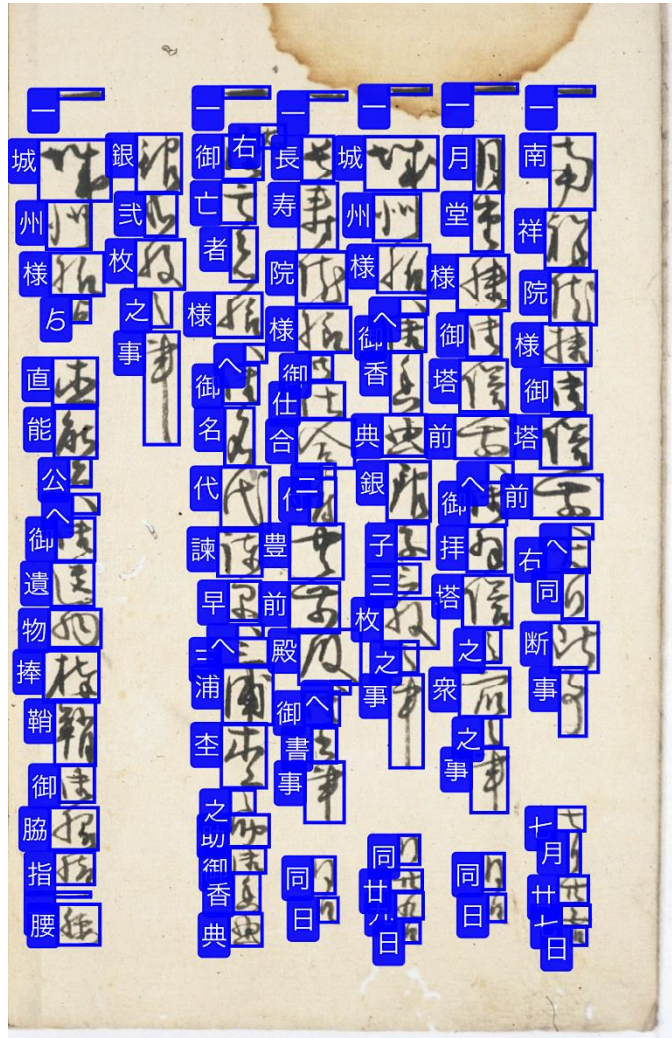
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Annotation and Sharing



An example of assigning standard script characters to cursive script characters. (source: Kuzushiji.work)

Examples of IIIF images published in OUKA

<https://ir.library.osaka-u.ac.jp/repo/ouka/rare/>

Collections Published in OUKA

Adrien-Hubert Brue: Carte general de l'Empire Chinois et du Japon.



Source: Old Western Maps of Asia
“西洋古版アジア地図”

Mirador manifest

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すゑたけ印問答



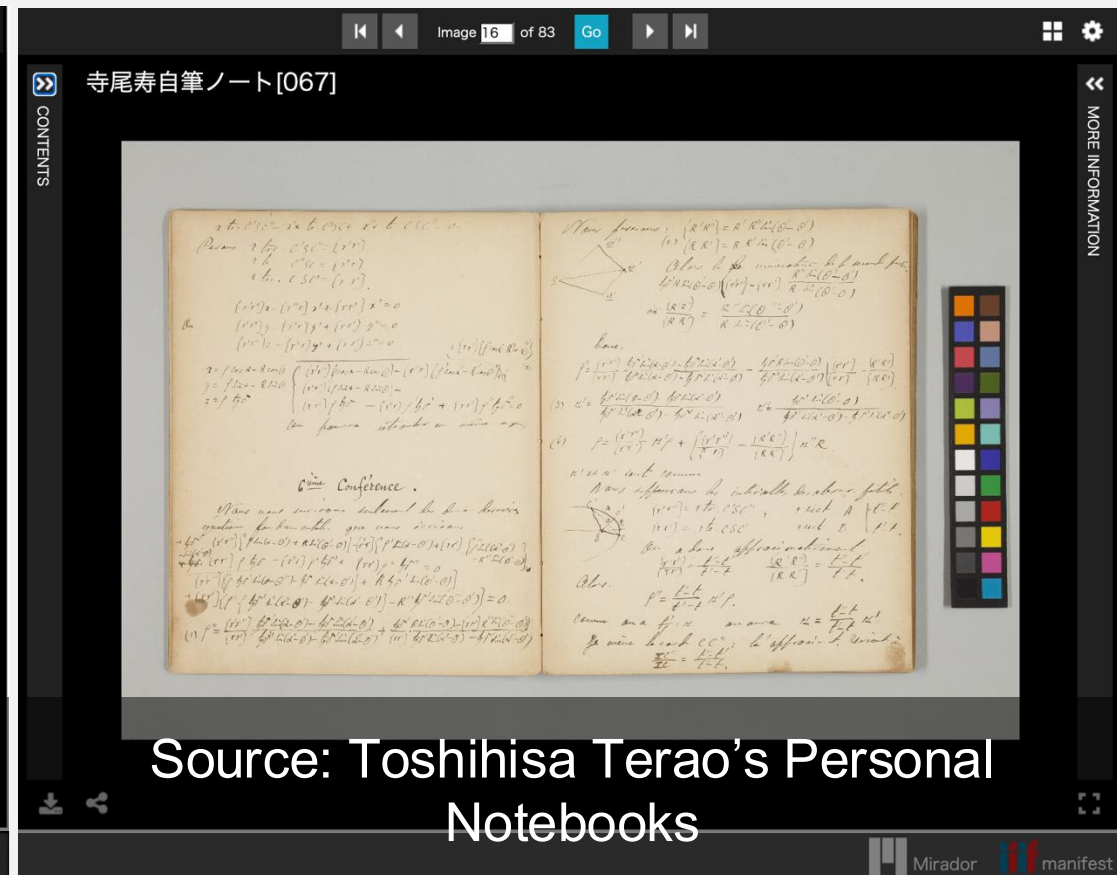
Source: The Akagi Library's Collection of Early Jōruri Editions
“赤木文庫蔵古浄瑠璃コレクション”

Mirador manifest

Collections Published in OUKA (2)



Source: The Kaitokudō Collection



Source: Toshihisa Terao's Personal Notebooks