IIIF Curation Platform: Creating and Sharing Virtual Image Collection on a Global Scale



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ROIS-DS Center for Open Data in the Humanities (CODH)

2016 Preparatory center, **2017** Officially launched.

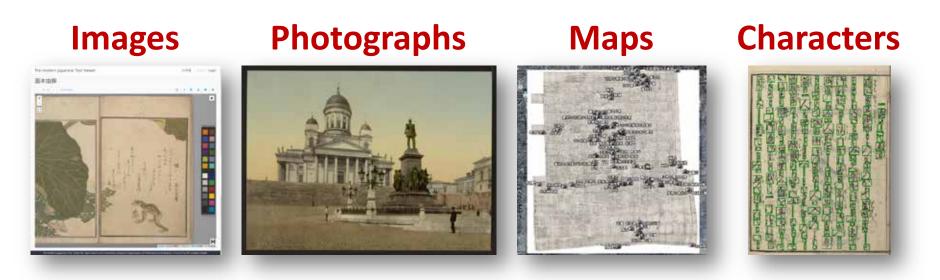
Member: One director (informatics) and four project researchers (both informatics and humanities).

Direction 1: **Data-driven humanities**: using computer science technologies to innovate humanities research.

Direction 2: **Humanities big data**: using humanities data to innovate non-humanities research such as informatics and natural science.

Non-Textual Digital Humanities

Digital humanities is not only about text. Visual and spatial sources need its own analysis and interpretation framework.



Revolution in Image Access

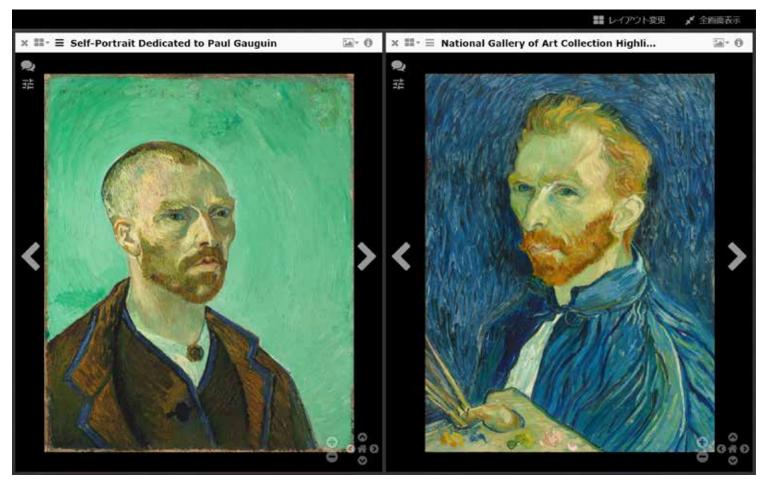


http://iiif.io/

- International Image Interoperability Framework (IIIF): rapidly adopted by leading museums, libraries and archives.
- 2. Community: Stanford, British Library and 40 founding members (but not in Korea?)

3. Scale: 1 billion (high quality) images are accessible via IIIF.

One Tool for Many Services

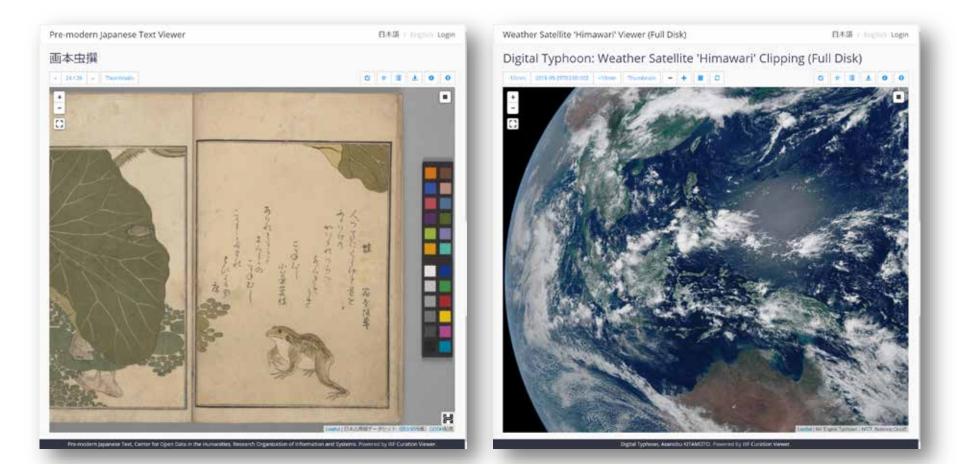


Harvard Art Museums/Fogg Museum

National Gallery of Art

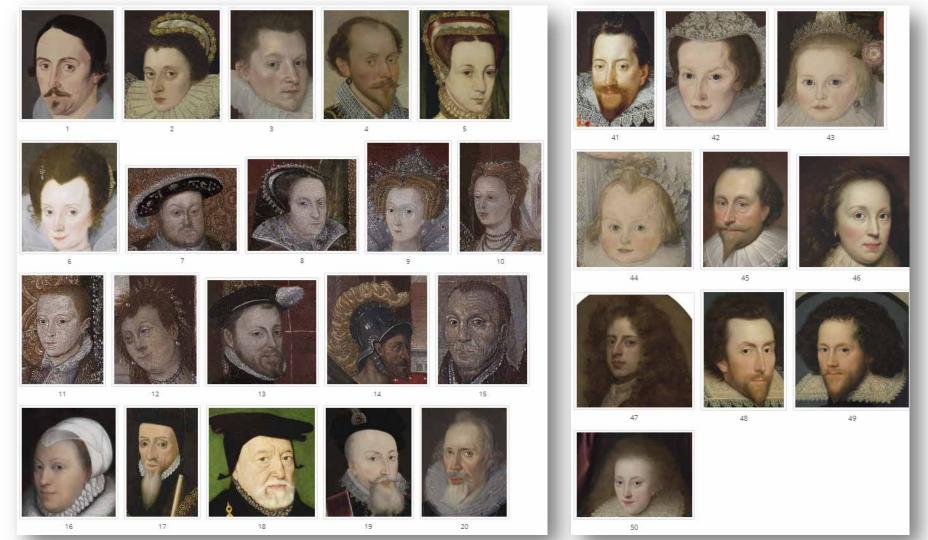
IIIF Curation Viewer (for Timeline)

http://codh.rois.ac.jp/software/iiif-curation-viewer/



Sixteenth Century

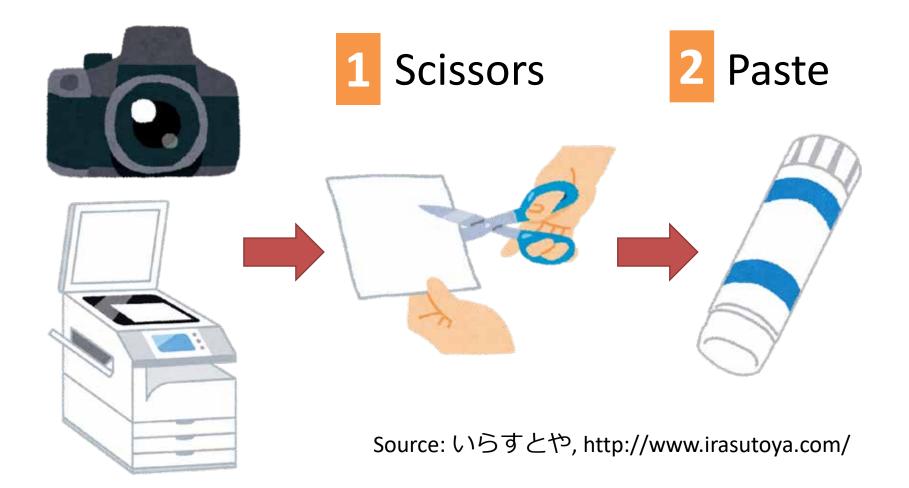
Seventeenth Century



Facial expression data: Portrait <u>http://codh.rois.ac.jp/curation/exhibition/2/index.html.en</u> Credit: Yale Center For British Art

2019/9/6

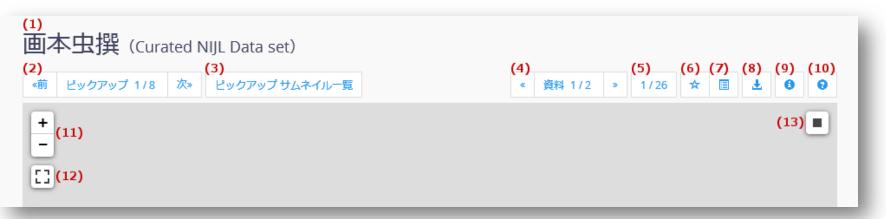
Good Old Analogue World



Frictionless Digital World



Crop and Curate Pattern



- (■' (13) is a "crop" button. You can draw a rectangle to specify a part of image.
- '☆' (6) is a "favorite" button. You can collect any images.
- 3. These buttons are the minimum requirement to create a new curation.

Collection of Facial Expressions

http://codh.rois.ac.jp/face/

Tag:「牛若丸」 (https://en.wikipedia.org/wiki/Minamoto_no_Yoshitsune)



rmda.kulib.kyoto-u.ac.jp



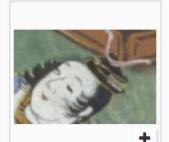
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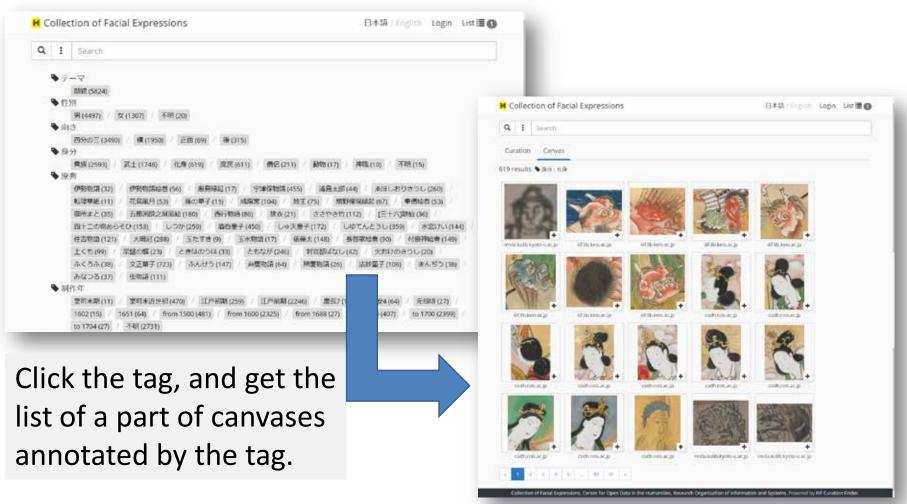


iiif.lib.keio.ac.jp

Curation of the same person appearing in different Japanese Emaki handscroll across IIIF services.

Facet Search by Human Metadata

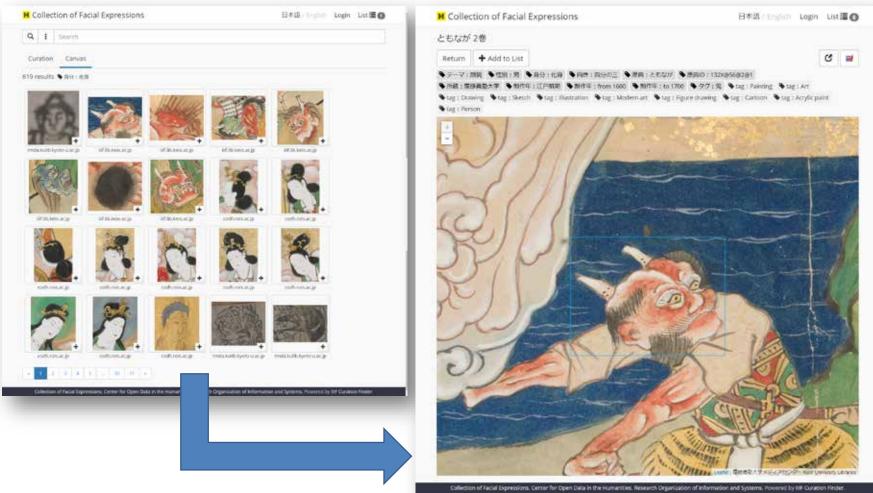
http://codh.rois.ac.jp/software/iiif-curation-viewer/



Glocal Humanities in the Era of

Hyperconnectivity

Fine-to-coarse or from Content to Context



Curathon!

http://codh.rois.ac.jp/tutorial/dhsi-2019/

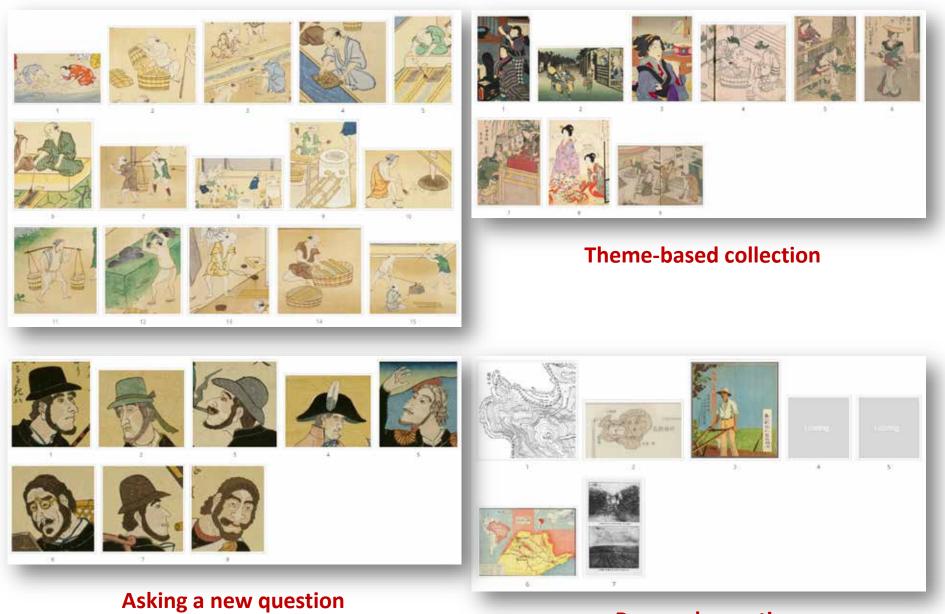


At **Digital Humanities Summer Institute 2019** (June 3-7 at Victoria, Canada), 11 participants, including scholars in Asian studies and subject librarians, are asked to create curations **within two days as homework**.

- "Curathon" is an event, like an "ideathon," to enjoy creativity in an open environment.
- Participants are asked to create their own curations based on their motivation and interests.
- Present the result in front of other people.

2019/9/6





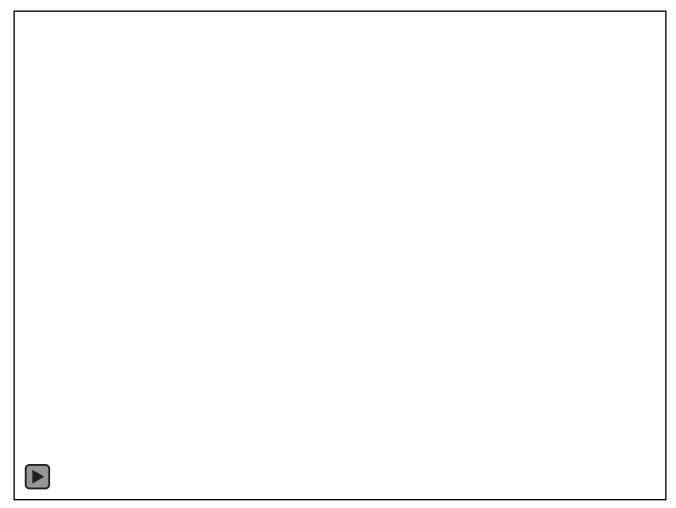
Personal narrative

Crop and Export Pattern

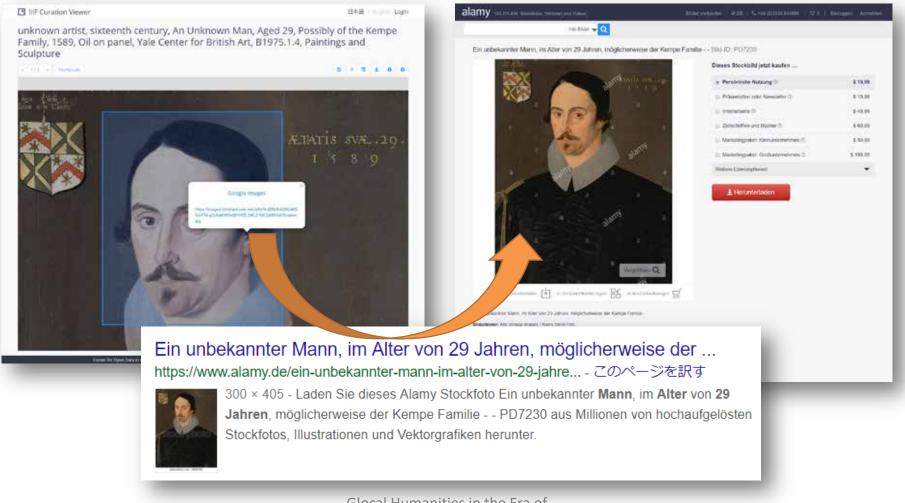


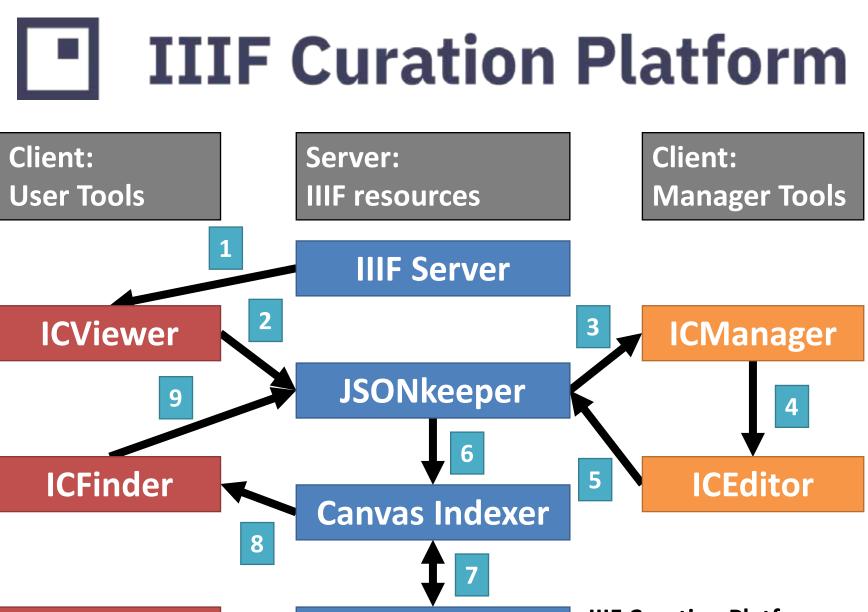
Al Kuzushiji OCR (Single)

http://codh.rois.ac.jp/char-shape/app/single-mobilenet/



Google Images (Google)





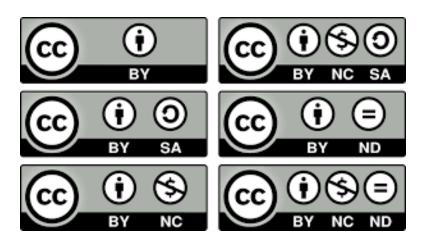
ML Services

IIIF Curation Platform http://codh.rois.ac.jp/icp/

ICPlayer

IIIF and Openness

- IIIF becomes more powerful when released as open data.
- IIIF can be also used in a closed system using authentication mechanism.



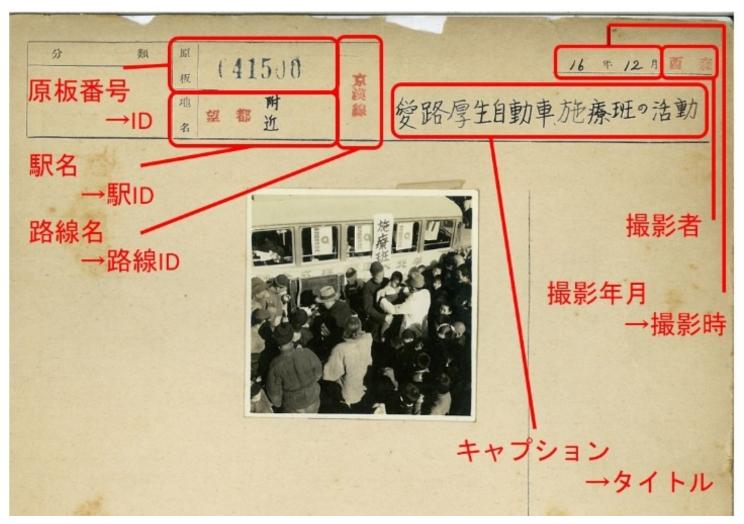
Openness benefits both research and society, but we also need to consider conflict.

North China Railway Archive

http://codh.rois.ac.jp/north-china-railway/



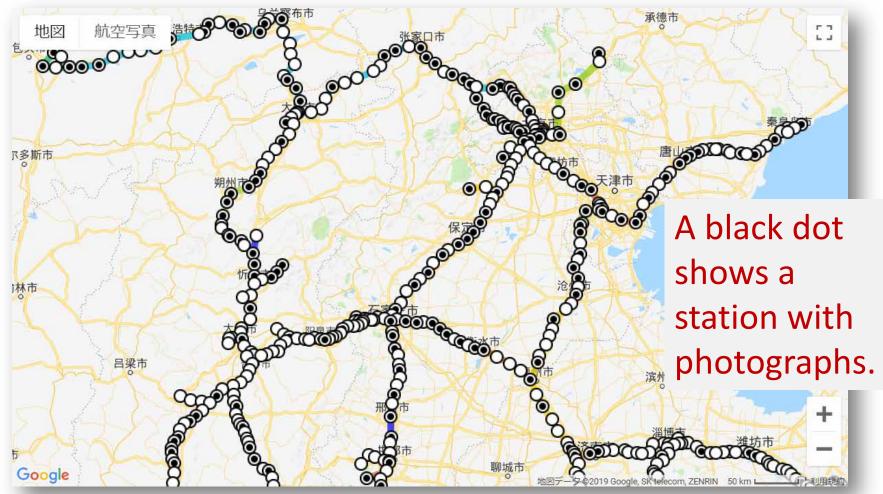
Photo Sheet (Old Version)



Metadata Search



Distribution of Photographs and Transportation Network



Lessons from the Archive

- 1. Historical value: evidence for historical studies and learning for the citizen.
- 2. Dark memories: It reminds of negative memories to some people.
- **3.** Cultural context: objective data triggers a variety of interpretations.
- Precision vs. accuracy: publicity purpose -> biased sampling of the society.

Summary

- **1. IIIF** enables cultural heritage imagery accessible without borders.
- **2. World-wide curation** scales up humanities research with millions of images.
- **3. Virtual exhibition** allows the reunification of scattered cultural heritage.
- **4. Global platform** plays an essential role for studying global and local humanities.

ICP Tutorial (Ja / En)

http://www.ch-suzuki.com/icpt/

	IC	P Tutorial	Introd	uction
	Home	ICP Tutorial	About	Contact Us
/ English				
ICP Tutoria:	Introduction			
Table of Conten	ite			
Introduction				
01: What is ICP?	y.			
02: IIIF Curation				
	Manager and IIIF	Curation Editor		
	on Docker and IIIF			
		rrently being prepared)		
	Player (Currently I			
Appendix <u>FAQ</u>				
Introduction				
(This tutorial is a	tentative version. I will	update this tutonal according to the	latest version.	
	nglish skil, this tutorial r			fficult to understand. Please give me leedback if you find
This tutorial p	novides basic inform	nation about IIIF Curation Pi	atform (ICP). Our ste	ep by step tutorials are easy to understand
ICP and its us				
First, we expl	ain the concept and	t design of ICP. Then we crea	te, manage and edit	curation with demo version ICP on CODH

Acknowledgment

IIIF Curation Platform http://codh.rois.ac.jp/icp/

- Mr. Jack Reed for the development of Leaflet-IIIF.
- Mr. Chikahiko Suzuki (CODH) for creating curations and ICP tutorials.
- DHSI 2019 participants for creating their own curations.