

# IIIF Curation Platform as a Research Tool of Microcontents in the Humanities

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# Personal introduction

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Fields of expertise: Digital Humanities, Cultural Resources Studies

I use The IIF Curation Platform mainly for converting humanities materials into microcontent (described later).

# Recipe content: Focusing on examples of use by humanities researchers

While the director Kitamoto gave an overview of the ICP features, I will present mainly ICP use cases.

1. The microcontent named “Collection of Facial Expressions“, and art history research using ICP
2. Group work and curathon using ICP
3. The use environment and environment setting of ICP

# Collection of Facial Expressions (KaoKore)



# Collection of Facial Expression (KaoKore)

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

- A collection of facial expressions, appearing in artworks, distributed via IIF by various institutions.
- Facial expressions are organized and can be searched
- Facial expressions are collected primarily from Japanese picture scrolls and illustrated books
- Metadata is provided for all facial expressions
- 8,845 facial expressions from 299 works,  
(As of February 2021)

## 顔貌コレクション

The screenshot displays the KaoKore search interface. At the top, the title '顔貌コレクション' is shown. Below it, there are several filter categories:

- テーマ** (Theme): 顔貌 (8845)
- 性別** (Gender): 男 (6830) / 女 (1976) / 不明 (39)
- 向き** (Orientation): 四分の三 (5176) / 横 (2771) / 正面 (102) / 不明 (11) / 後 (782)
- 身分** (Occupation): 貴族 (3996) / 武士 (2877) / 庶民 (794) / 化身 (792) / **僧侶 (300)** (highlighted with a red circle) / 動物 (20) / 神職 (10)

Below the filters, the search results are displayed as a grid of 21 thumbnail images, each with a small '+' icon in the bottom right corner. The thumbnails show various facial expressions from Japanese artworks. At the bottom of the grid, there is a pagination bar with numbers 1 through 15, and the number 9 is highlighted, indicating the current page.

# KaoKore and the IIF Curation Platform

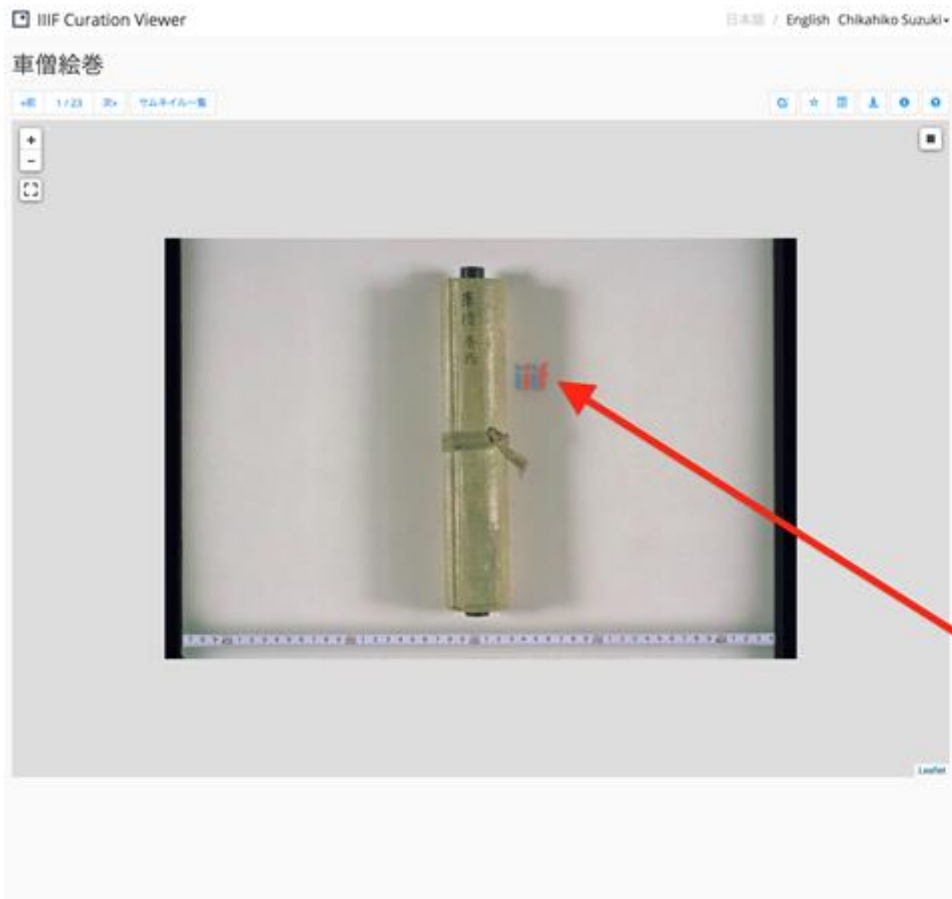
Almost all of the functions of the IIF Curation Platform are used in KaoKore.

- Cropping of faces with the IIF Curation Viewer
- Addition of metadata using the IIF Curation Viewer
  - \*Batch addition of metadata labels using the IIF Curation Editor
- Management using the IIF Curation Manager and editing using the IIF Curation Editor
- Facet search using the IIF Curation Finder
- Linkage with machine learning, and dataset construction
- Organization, analysis, and research using the IIF Curation Board

## IIIF Curation Viewer 1. Image display ★

Display in the IIIF Curation Viewer of artwork from which faces are collected

A IIIF manifest is dragged & dropped from the website or archive of each facility. ICViewer enables us to load images simply.



## IIF Curation Viewer 2. Image collection ★

Using ■ "Crop" button and  
☆ "favorite" button to  
collect facial expression in  
a curation list



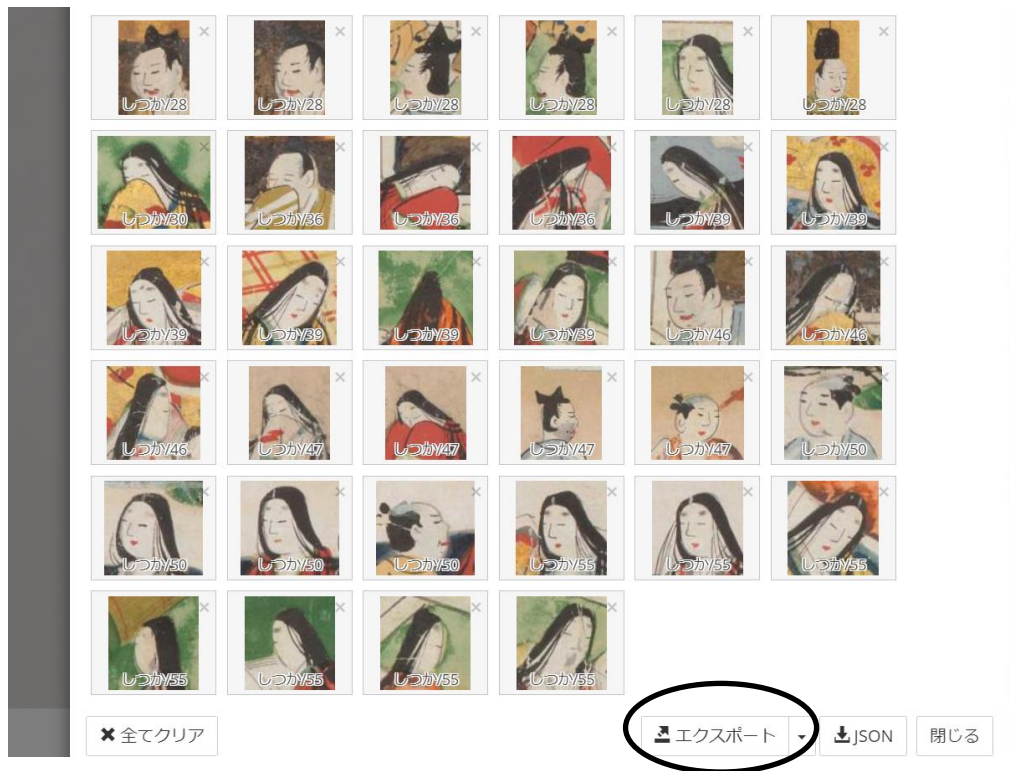
The screenshot displays the IIF Curation Viewer interface. At the top, the title "しつか" is visible. Below the title, there are navigation icons, including a search icon and a "Crop" button (a square with a diagonal line) circled in black. The main image is a traditional Japanese painting depicting a scene with several figures. A blue rectangular crop box is overlaid on the face of a central figure. Below the main image, the text "キュレーションリスト" (Curation List) is displayed. The list contains ten items, each showing a cropped facial expression and a label: "しつか/10", "しつか/12", "しつか/28", "しつか/28", "しつか/28", "しつか/28", "しつか/28", "しつか/28", "しつか/46", and "しつか/47". At the bottom of the interface, there are three buttons: "× 全てクリア" (Clear All), "📄 エクスポート" (Export), and "📄 JSON 閉じる" (JSON Close).



### 3. Saving a curation ★

Using “Export” button to saves a curation of facial expressions.


\*At this stage, curation is saved in JsonKeeper. We can share curation using a URL.








## IIIF Curation Editor 4. Management by naming ★

We can rename each curation.  
With own name, we can easily manage curations

Using the IIIF Curation Editor, we can rename curations' name displayed on the IIIF Curation Manager. The character string in "label", directly under "object" section, serves as the title.  
\*The initial setting name is "Curating list"




IIIF Curation Manager

タイトル	作成日時	更新日時	リスト掲載	編集	削除
『遊行上人絵』 僧侶・尼	2020/12/07 22:48:33		掲載		✕
Curating list	2020/12/02 14:06:04		掲載		✕
Curating list	2020/12/02 14:05:37		掲載		✕
江戸買物独案内 問屋之部 (1/3)	2020/12/01 19:43:17		掲載		✕
江戸買物独案内 問屋之部 (3/3)	2020/12/01 19:42:46		掲載		✕

IIIF Curation Editor

```
object {5}
├─ @context [2]
├─ @type : cr::Curation
├─ @id : http://nii.ac.jp/api/curation/json/25a311a4-384c-4276-ac5a-08359605ddb2
├─ label : Curating list
└─ selections [2]
```



IIIF Curation Editor

```
object ▶ label
├─ object {5}
├─ @context [2]
├─ @type : cr::Curation
├─ @id : http://nii.ac.jp/api/curation/json/25a311a4-384c-4276-ac5a-08359605ddb2
├─ label : 新しい名前
└─ selections [2]
```

Curation Metadata (Canvas 1) Metadata 

label	value	
性別	value <i>string</i>  男	
身分	value <i>string</i>  僧侶	
向き	value <i>string</i>  四分の三	

 item  エクスポート

✓ 適用

閉じる



IIIF Curation Viewer

## 5. Adding metadata ★

Metadata is added with "Edit curation metadata" button

Metadata of the KaoKore: face direction, gender, social class...

... However, creating items one-by-one for each image using "+ item" button is burden for the researchers, so..

# 6. Batch storage of metadata items ★+0.5

We can use the IIIF Curation Editor to Batch setting of metadata items.

\*Batch replacement can also be done with Ctrl+F in the ICEditor.

In the example at right, a complex replacement is performed using an external editor (Oxygen)

The image displays the IIIF Curation Editor interface. At the top, it shows the application title and language options (日本語 / English) along with the user name Chikahiko Suzuki and a Help link. The main area is a code editor showing JSON metadata for a curation item. The JSON includes fields for context, type, id, label, members, and selections. A blue box highlights a specific metadata entry in the 'members' array, and an arrow points to a search interface on the right. This search interface shows a search for 'description' and a list of results with their respective labels and values. Below the code editor, another screenshot shows the same JSON with a blue box highlighting a 'metadata' object, and an arrow points to a search interface on the right. This search interface shows a search for 'label' and a list of results with their respective labels and values. The search interface also includes a 'XPath' field and a '方向' (Direction) dropdown menu.

## IIIF Curation Viewer 7. Suspension of work ★

"Overwrite update" button (export with overwrite) is performed in order to temporarily suspend the curation (both face cropping or metadata stage)

\*Caution: When you added metadata, it will not be saved correctly if you didn't export from the metadata input field

Center for Open Data in the Humanities, Research Organization of Information a Curation Viewer.

制作年  ×

タグ  ×

山伏

+ item

エクスポート × 適用

上書き更新 閉じる

ICViewer | 日本古典籍データセット (国文研所蔵) CODH 配信

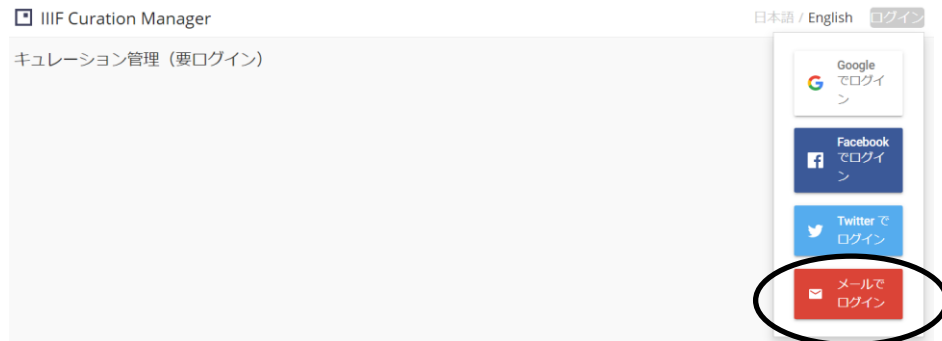
# IIIF Curation Manager

## 8. Management of group work ★

Management of group work with ICP

The KaoKore is constructed by multiple workers.

To support group work, the administrator ascertains the login account of each worker, and manages curation from the ICManager



タイトル	作成日時	更新日時	リスト掲載	編集	削除
江戸名所回会	2021/01/27 16:19:56		掲載	編集	削除
江戸名所回会	2021/01/20 17:07:12		掲載	編集	削除
絵本江戸土産	2021/01/19 16:34:20	2021/01/19 22:46:52	掲載	編集	削除
江戸名所回会	2021/01/15 16:35:44	2021/01/19 16:46:05	掲載	編集	削除

タイトル	作成日時	更新日時	リスト掲載	編集	削除
Curating list	2018/12/26 16:45:16		掲載	編集	削除
Curating list	2018/12/18 16:28:14		掲載	編集	削除
Curating list	2018/12/11 17:43:35		掲載	編集	削除
Curating list	2018/12/11 14:57:25		掲載	編集	削除
油壺主・子・孫	2018/11/18 17:41:31	2018/01/22 15:05:34	掲載	編集	削除



# IIF Curation Finder / Canvas Indexer

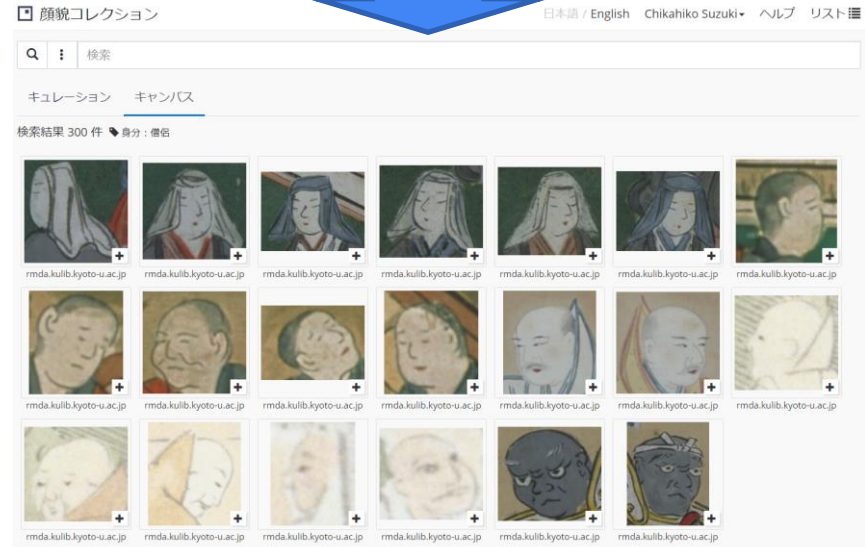
## 9. Search with metadata ★

The IIF Curation Finder enables us to search curation using metadata

Search results can be switched between curation or canvas units

<http://codh.rois.ac.jp/face/iif-curation-finder/>

The example results of a canvas search using value "Buddhist monk" are shown at right



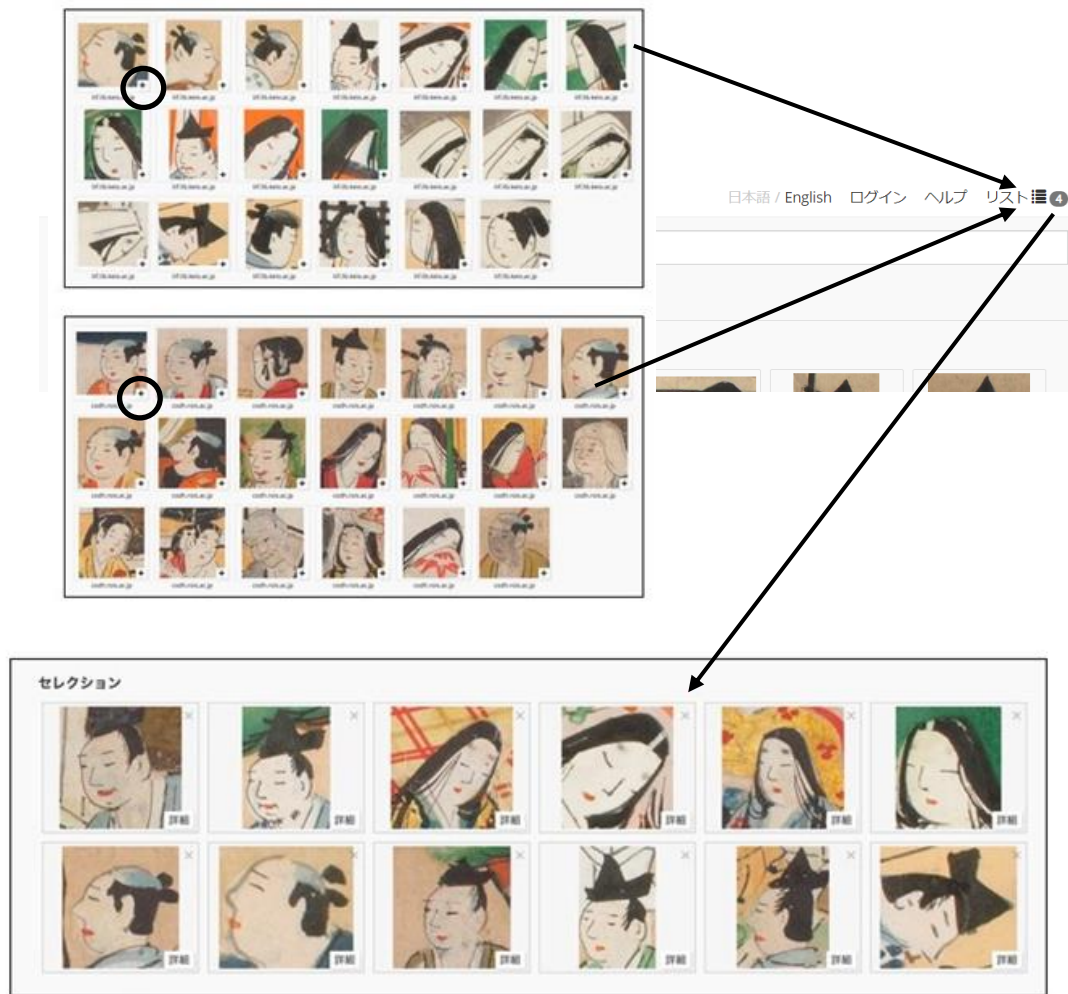
IIF Curation Finder

## 10. Derived curations ★

A derived curation can be created by selecting the "+" button of IIF Curation Finder. Selected images can be exported with own URL.

In the KaoKore, this function help us to curation list of faces of interest and similar faces.

\*This is also a classical method for styles comparative studies in art history







## 12 . Batch acquisition of information (2) ★★

Batch checking of information displayed in the IIIF Curation Finder (metadata, image coordinates)

We can use `searchEndpointUrl` and `facetsEndpointUrl`

\*This is also used for KaoKore dataset construction described later

```
.....
#0:
  label: "子-マ"
  value:
    #0:
      label: "種数"
      value: 8845
      agent: "human"
    #1:
      label: "性別"
      value:
        #0:
          label: "男"
          value: 6830
          agent: "human"
        #1:
          label: "女"
          value: 1976
          agent: "human"
        #2:
          label: "不明"
          value: 39
          agent: "human"
    #2:
      label: "向き"
      value:
        #0:
          label: "四分の三"
          value: 5176
          agent: "human"
        #1:
          label: "横"
          value: 2771
          agent: "human"
        #2:
          label: "正国"
          value: 102
          agent: "human"
        #3:
          label: "不明"
          value: 11
          agent: "human"
        #4:
          label: "他"
          value: 762
          agent: "human"
    #3:
      label: "区分"
      value:
        #0:
          label: "民族"
          value: 3996
          agent: "human"
        #1:
          label: "武士"
          value: 2877
          agent: "human"
        #2:
          label: "市民"
          value: 794
```

`facetsEndpointUrl`  
Endpoint URL for acquisition of Canvas Indexer facet list  
→ Enables acquisition of metadata list and number of each metadata value

# 13. Use in machine learning ★★★

## "KaoKore Dataset"

By linking with the IIF Curation Platform, all facial expression images and metadata from the KaoKore are reconstructed as dataset for machine learning called the "KaoKore Dataset"

<http://codh.rois.ac.jp/face/dataset/>



Facial expressions in the style of Japanese picture scrolls, automatically generated through machine learning

## 顔コレデータセット

顔コレデータセット(KaoKore Dataset)は、日本の絵巻物や絵本に登場する様々な顔貌画像「顔コレ(顔貌コレクション)」を、機械学習に利用しやすい形式で提供するデータセットです。データセットをご利用の際には、引用、ライセンス、利用ガイドラインなどをご確認ください。

### データセット

顔コレデータセットは、複数の組織がIIF(International Image Interoperability Framework)形式で公開する絵巻物・絵本に登場する様々な顔貌画像の所在情報とメタデータをまとめたものです。2020年9月現在、最新バージョン(v1.2)のデータセットは、8,848件の顔貌データを提供します。データセットの内容は以下の通りです。

1. 顔貌画像(画素:256×256)の所在情報(URL)をまとめたテキストファイル
2. 専門家が付与した属性情報(メタデータ)をまとめたテキストファイル
3. 機械学習のためのラベルとデータ分割を指定するCSVファイル

オリジナルの顔コレとの違いは、画像サイズを256x256に統一したこと、および機械学習のためにデータ形式を変換したことです。

以下のGitHubリポジトリ(英語)では、顔コレデータセットに加え、顔貌画像のダウンロードと前処理を行うためのスクリプトもあわせて提供します。

GitHub: [rois-codh/kaokore](https://github.com/rois-codh/kaokore): Dataset for the Collection of Facial Expressions from Japanese Artwork

### 引用

顔コレデータセットを活用した研究成果を発表する際には、以下の論文の引用をご検討下さい。

Yingtao Tian, Chikahiko Suzuki, Tarin Clanuwat, Mikel Bober-Irizar, Alex Lamb, Asanobu Kitamoto, "KaoKore: A Pre-modern Japanese Art Facial Expression Dataset", arXiv:2002.08595.

# IIIF Curation Viewer

## 14. Rectangle selection through coordinate input ★

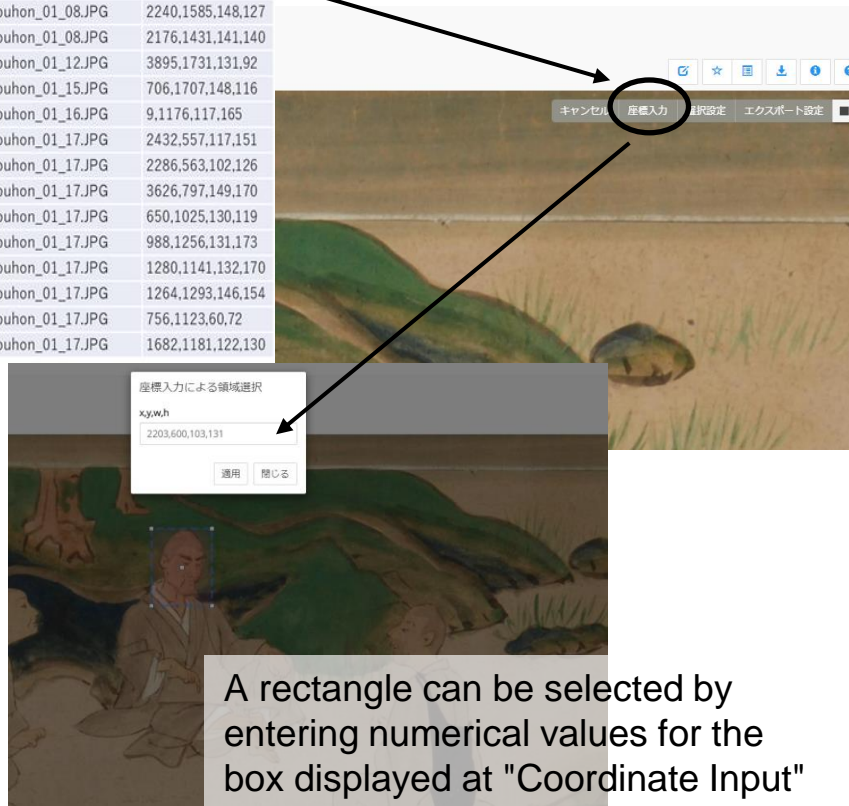
### Use of the KaoKore Dataset

- Automatic recognition of facial expressions from picture scrolls is performed through machine learning using the KaoKore dataset
- Automatic recognition results can be used to support construction of further datasets by using "Coordinate Input" function of the IIIF Curation Viewer

#### \*Reference

Alexis Mermet, Asanobu Kitamoto, Chikahiko Suzuki, Akira Takagishi. "Face Detection on Pre-modern Japanese Artworks using R-CNN and Image Patching for Semi-Automatic Annotation". *Proceedings of the 2nd Workshop on Structuring and Understanding of Multimedia heritage Contents (SUMAC'20)*, 2020, p.23–31, doi:10.1145/3423323.3423412

Image	XYZW
kouhon_01_02.JPG	1971,1297,186,291
kouhon_01_03.JPG	3814,558,124,65
kouhon_01_05.JPG	4055,541,129,82
kouhon_01_08.JPG	849,1331,176,200
kouhon_01_08.JPG	1964,1338,125,168
kouhon_01_08.JPG	1622,1706,167,117
kouhon_01_08.JPG	3544,1267,139,138
kouhon_01_08.JPG	1259,1437,153,183
kouhon_01_08.JPG	2240,1585,148,127
kouhon_01_08.JPG	2176,1431,141,140
kouhon_01_12.JPG	3895,1731,131,92
kouhon_01_15.JPG	706,1707,148,116
kouhon_01_16.JPG	9,1176,117,165
kouhon_01_17.JPG	2432,557,117,151
kouhon_01_17.JPG	2286,563,102,126
kouhon_01_17.JPG	3626,797,149,170
kouhon_01_17.JPG	650,1025,130,119
kouhon_01_17.JPG	988,1256,131,173
kouhon_01_17.JPG	1280,1141,132,170
kouhon_01_17.JPG	1264,1293,146,154
kouhon_01_17.JPG	756,1123,60,72
kouhon_01_17.JPG	1682,1181,122,130



A rectangle can be selected by entering numerical values for the box displayed at "Coordinate Input"

## 15. KaoKore and art history research ★★

In joint research with Akira TAKAGISHI (Associate Professor, Department of Art History, University of Tokyo), We use all functions of the IIF Curation Platform

- Development of a new KaoKore for the *Yugyo Shounin Engi-Emaki*, “*Shojo-Kouji Kouhon*” 『遊行上人縁起絵巻 清浄光寺甲本』
- Picking out all Buddhist monks and nuns with the same clothing and hairstyles from Kouhon
- we organized those facial expressions using the IIF Curation Board, and exhaustively checking whether there are differences between monks and nuns
- We can also clarify differences in style of the artists

### \*Reference

Chikahiko SUZUKI, Akira TAKAGISHI, Jun HOMMA, Alexis Mermet, Asamoto KITANOBU, "Difference between male and female in medieval Japanese picture scrolls -Style comparative study for “Yugyo Shounin Engi-Emaki” using GM Method-” (in Japanese), *Proceedings of Jinmonkon 2020*, pp.67-74, 2020





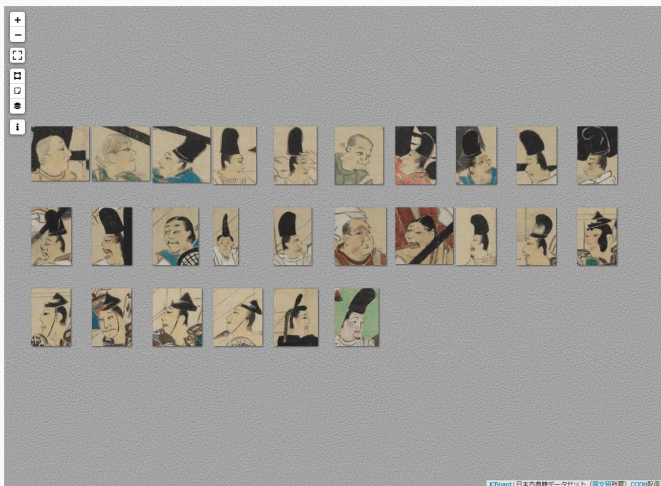
# IIF Curation Board

The IIF Curation Board enables organizing and attachment of information to curated images

<http://codh.rois.ac.jp/software/iif-curation-board/>

There are various functions, so I will present them in stages

Start stage



Final stage



## IIIF Curation Board 16. Reading in images ★

We can load a curation into the IIIF Curation Board

If you login and create a curation, you can easily start from ICManager

You can also start by directly designating a curation URL or simply drag and drop

IIIF Curation Manager

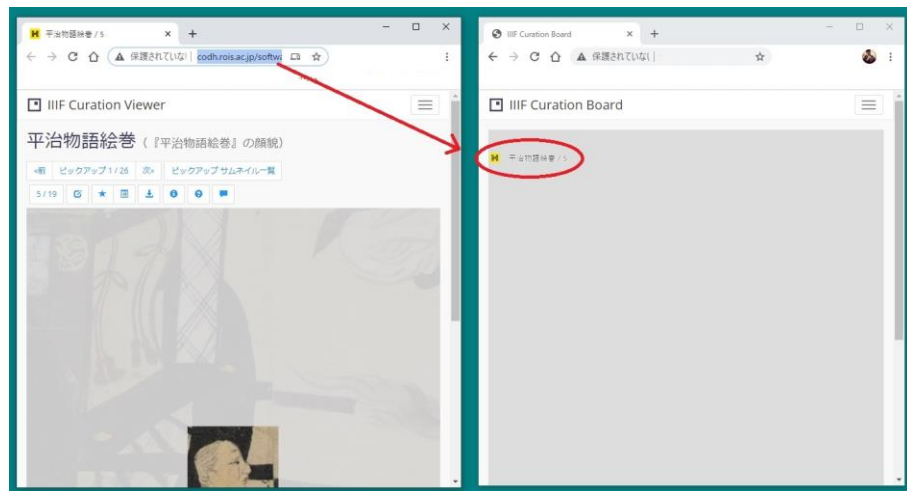
日本語 / English Chikahiko Suzuki ヘルプ

再読み込み

10 件表示 検索:

タイトル	作成日時	更新日時	リスト掲載	編集	削除
Character List	2020/05/20 21:11:18		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Character List	2020/05/20 21:10:36		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Start from ICManager



You can also start by directly designating a curation URL, and dragging & dropping it to the ICBoard

# 17. Moving and organizing images



Organization on a plane with the ICBoard

Loaded images can be freely moved on the plane by dragging

Images are organized as in the KJ method



Grouping of facial expressions by moving on the plane





## IIIF Curation Board

### 18. Automatic alignment and addition of frames ★

ICBoard has Assists grouping functions

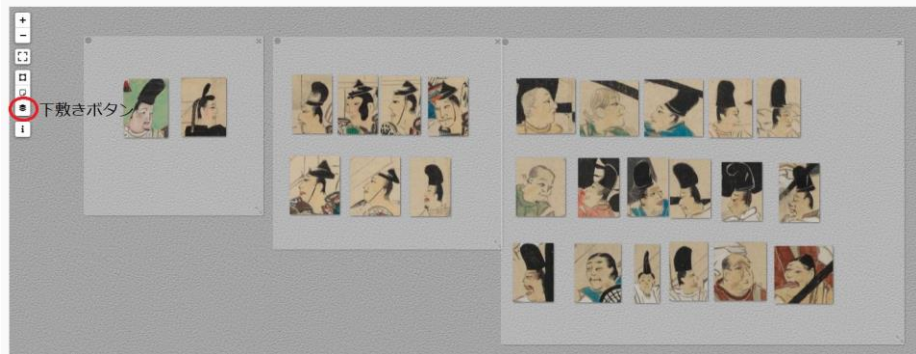
Using automatic alignment and arranging boundary lines, components of image groups are easier to understand

IIIF Curation Board



Range selection and automatic alignment

IIIF Curation Board



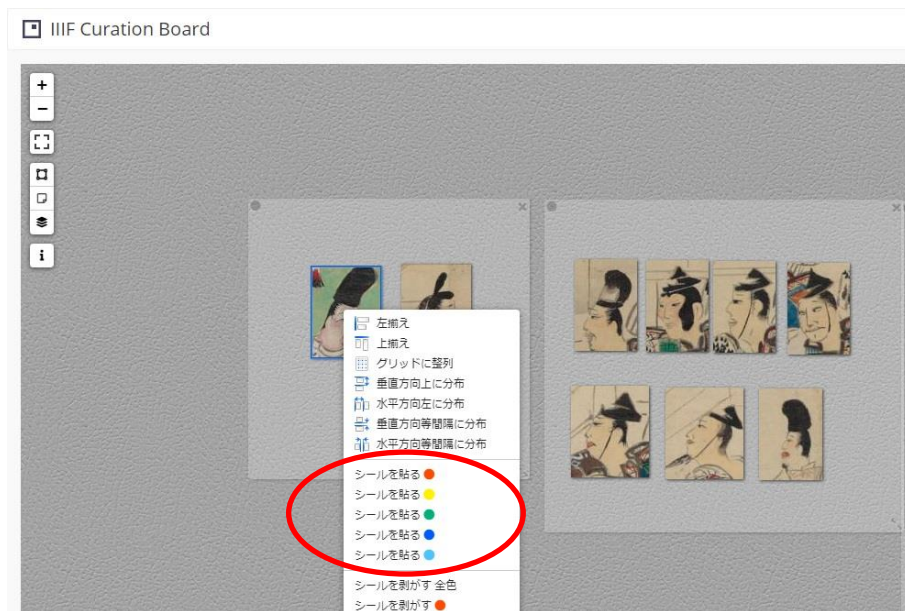
Clarification of groups using boundary lines

# 19. Sticker function ★

Attribute display using colored stickers

Stickers can be attached to images to clarify group attributes, etc. (5 colors)

\*Multiple stickers can be attached to a single image



# IIIF Curation Board

## 20. Note function ★

Adds text information

Explanations based on textual information can be added by using the note function

Stickers can also be attached to notes, and the intention of color stickers can be clarified



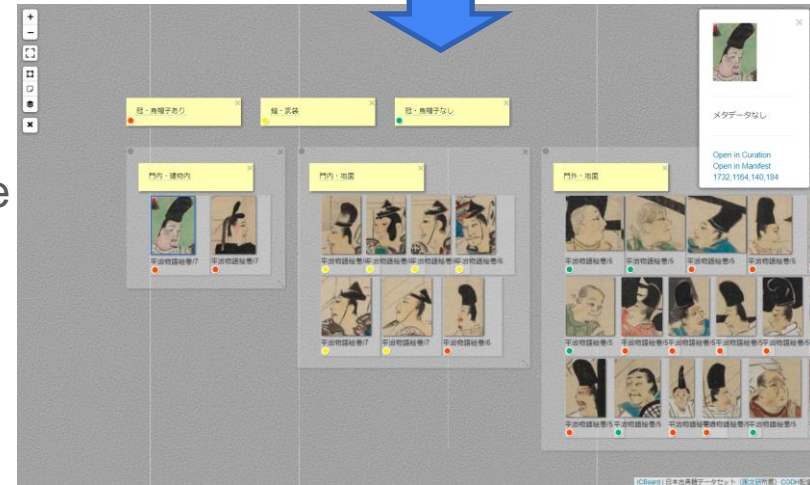
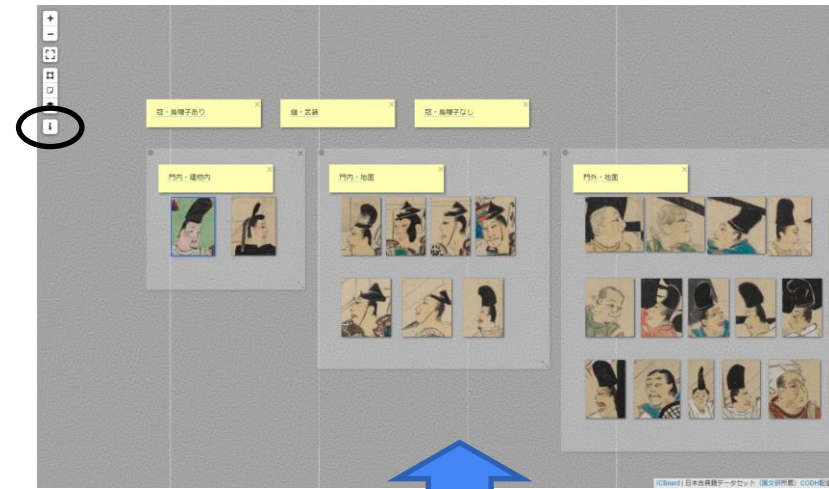
## 21. Display switching ★

Turns information display on and off

Information display can be switched on and off by pressing the information display (i) button,

- Information based on manifest
- Stickers
- Curation metadata

It is convenient to use this for various purposes. For example, we can organize images with simple display. On the other hand, indicating results step we can show all information.



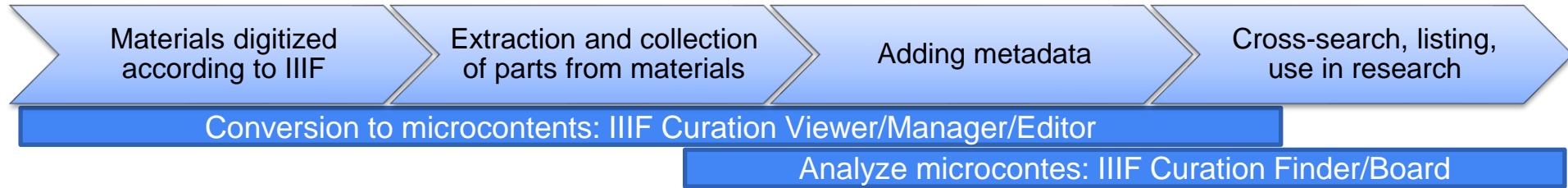
All functions of the IIF Curation Platform

## 22. Converting humanities materials to microcontent



This is an initiative to extract **parts of digitized humanities materials** and **reorganize them at a specific granularity** to enable use in research, shown in the practical example of KaoKore.

Workflow using the IIF Curation Platform

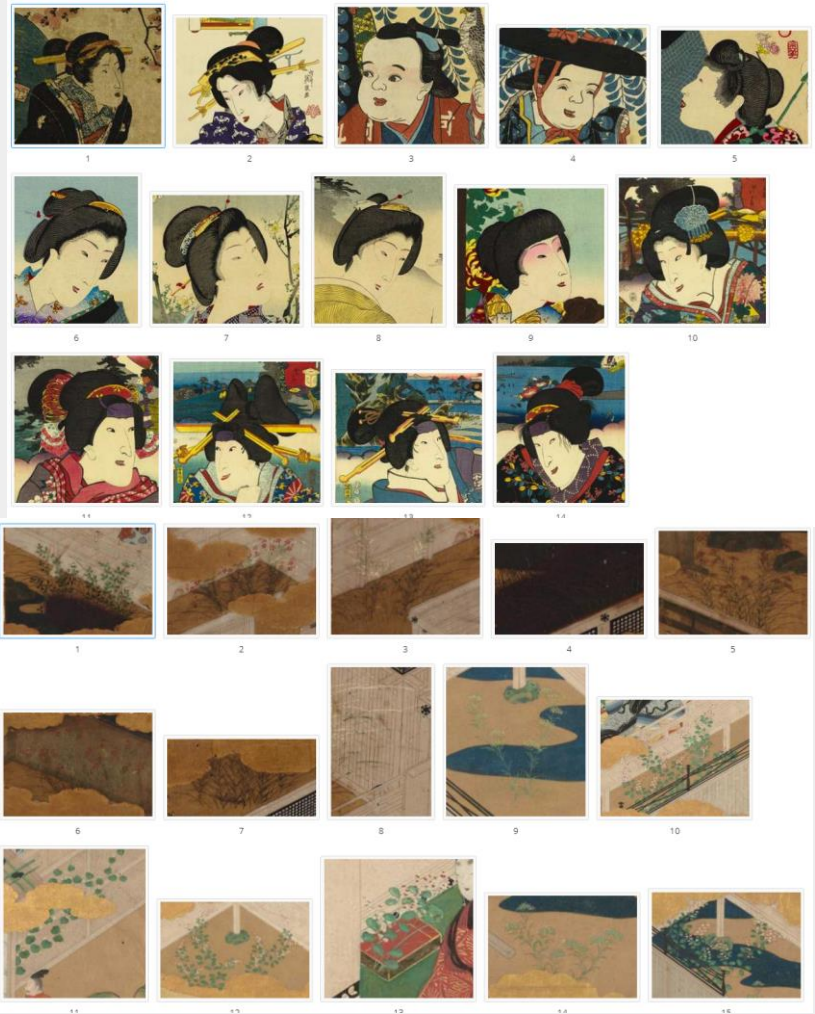


There are various other examples beside KaoKore

- "Edo Shopping Guide" <http://codh.rois.ac.jp/edo-shops/>
- "Edo Tourism Guide" <http://codh.rois.ac.jp/edo-spots/>



# Group Work and Curathon using ICP



# Curathon

A curathon, like an ideathon, is an event where people brainstorm ideas on curation for a specific time, present those ideas in front of everyone, and share new discoveries and ideas about curation

We “CODH” have conducted the following two curathon events

- Digital Humanities for Japanese Culture: Resources and Methods
  - <http://codh.rois.ac.jp/tutorial/dhsi-2019/>
- "Picture Scroll Seminar" Curathon for Faculty of Letters, University of Tokyo
  - <http://codh.rois.ac.jp/tutorial/04/>

## 23. Conducting a curathon ★

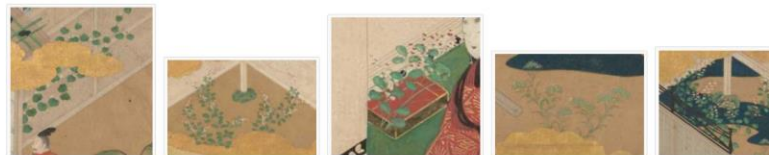
### Curathon process

1. Lecture for participants on basic methods of using the IIF Curation Platform
2. Participants freely perform curation
3. Participants share and comment on the curations they have made

\*If organizer prepared beforehand, curathon go more smoothly. Such as theme is decided beforehand or database, dataset, and search keywords are prepared.



Curation focusing on hair buns



Curation focusing on background plants



# IIF Curation Manager

## 24. Account sharing ★

How to manage and share curathon results

It is convenient to use a shared email address and password for login to ICP prepared beforehand by the organizers, especially if you have a lot of participants in the curathion or want to share the results later.

The screenshot shows the IIF Curation Manager interface. At the top right, there are language options (日本語 / English) and a login button (ログイン). Below this, there are social media login buttons for Google, Facebook, and Twitter. A red button for 'メールでログイン' (Login with email) is circled in black, with an arrow pointing to the 'Curathon' dropdown menu in the top right corner of the main interface.

The main interface displays a list of curathion results. The table has columns for Title, Creation Date, Update Date, List Upload, Edit, and Delete. The results are as follows:

タイトル	作成日時	更新日時	リスト掲載	編集	削除
Mage Mage Fever! 鬨鬨フィーバー	2019/07/10 21:47:03	2019/07/19 14:24:01	掲載	✏	✖
Collection of Flowers 草花コレクション	2019/07/10 21:46:44	2019/07/19 14:14:08	掲載	✏	✖
Goats (will) Assemble 山羊集合 (予定)	2019/07/10 21:43:53	2019/07/19 14:16:26	掲載	✏	✖
Team of Leafs 葉っぱ	2019/07/10 21:28:39	2019/07/19 14:23:51	掲載	✏	✖
Landscape from "Buncho-Gafu" 文晁画譜の山水	2019/07/10 21:27:42	2019/07/19 14:19:38	掲載	✏	✖
Taroukaja Assemble! 太郎冠者大集合	2019/07/10 21:27:31	2019/07/19 14:20:10	掲載	✏	✖
Birds Collection 01 鳥コレクション	2019/07/10 21:24:31	2019/07/19 14:21:54	掲載	✏	✖
Horses Assemble! ヒヒーン大集合	2019/07/10 21:17:01	2019/07/19 14:22:57	掲載	✏	✖
The Woods 林色々	2019/07/10 21:14:51	2019/07/19 14:24:50	掲載	✏	✖
Collection of Profiles 横顔コレクション	2019/07/10 21:14:44	2019/07/19 14:23:35	掲載	✏	✖

At the bottom, it shows '12件中 1 から 10 まで表示' and navigation buttons for '前', '1', '2', and '次'.

## 25. Filling in "description"

Adding explanatory text to curated images

Text can be added to curated images by editing the “description” item in the IIIF Curation Editor

In a curathon, a record can be kept of the intent behind production of a curation, also this function can be used like as explanation of picture in the exhibition

IIIF Curation Editor

日本語 / English Chikahiko Suzuki ヘルプ

```
1 {
2   "@context": [
3     "http://iiif.io/api/presentation/2/context.json",
4     "http://codh.rois.ac.jp/iiif/curation/1/context.json"
5   ],
6   "@type": "cr:Curation",
7   "@id": "http://www.ch-suzuki.com/curathon/curation/api/863c653c-ef31-4d59-a8ef-32f640ade1e1",
8   "label": "Curating list",
9   "selections": [
10    {
11      "@id": "http://www.ch-suzuki.com/curathon/curation/api/863c653c-ef31-4d59-a8ef-32f640ade1e1/range1",
12      "@type": "sc:Range",
13      "label": "Manual curation by IIIF Curation Viewer",
14      "members": [
15        {
16          "@id": "http://codh.rois.ac.jp/pmjt/iiif/200014778/canvas/00004",
17          "@type": "sc:Canvas",
18          "label": "page 5",
19          "description": "様々な虫の様子その一: 『画本虫撰』から蜂と毛虫のページ"
20        }
21      ]
22    }
23  ]
24 }
```

## IIIF Curation Player 26. Display of "description" ★

Display of explanatory text attached to a curation

The text in the description can be displayed with IIIF Curation Player. Aside from presentation through a slide show, this can also be used like exhibition commentary by employing the automatic playback function

The screenshot displays the IIIF Curation Player interface. At the top, the title "Curating list" is visible. Below it, there are navigation controls including "前", "ピックアップ 1/3", "次", and "目". On the right side, there are icons for "5/26", "ダウンロード", "共有", and "設定". The main content area shows a curation list item with a description box at the top containing the text "様々な虫の様子その一: 『画本虫撰』 から蝶と毛虫のページ". Below the description is a large image of an open book with illustrations of insects and a color calibration chart. A vertical toolbar on the left side of the image contains various icons. A black arrow points from a circled "自動再生" (Automatic Playback) button in the top-left corner of the image area to a circled "自動再生" (Automatic Playback) button in the bottom-left corner of the image area. The bottom-right corner of the interface features a footer with the text "ICPlayer | 日本古書館データセット (国交研所蔵) ©2018 国交研所蔵" and a logo.

The automatic playback button is displayed if the IIIF Curation Player is set to full-screen display.

# Group work using the ICFinder

As one part of art history education, beginning students perform group work as a way of re-experiencing the research process of their predecessors

All faces from the *Ishiyama-dera engi emaki* are prepared and students consider and discuss which of the given faces were used to identify styles in previous research.

Facial expressions are discovered using image search of the IIF Curation Finder

挿図7 粟田口隆光作品の容貌の比較

挿図7 粟田口隆光作品の容貌の比較



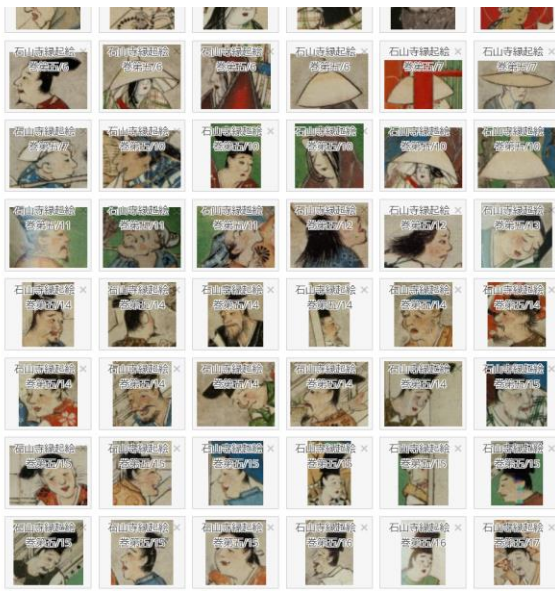
Masahiko AIZAWA, "Ishiyama-dera engi yokai," *Ishiyama-dera engi emaki shusei*, Chuo-Koron Bijutsu Shuppan (2016)

# All functions of the IIF Curation Platform

## 27. Art history group work ★★

Preparation for group work using the ICFinder

1. This time, we want to use a limited KaoKore (IIF Curation Finder). So new ICP is prepared in my own server
2. I perfume curation of all faces in the subject materials (in this case the 5 scrolls of the *Ishiyama-dera engi emaki*)
3. Metadata is added for searching
4. Incorporation into ICFinder



顔貌コレクション

日本語 / English

検索

title (作品名)

石山寺縁起絵巻 (138)

direction (向き)

四分の三 (74) / 横 (46) / 後 (17) / 正面 (1)

gender (性別)

男 (106) / 女 (31) / 不明 (1)

head (頭部)

烏帽子 (64) / 垂髪 (22) / 市女笠 (13) / 頭巾 (11) / 剃髪 (10) / 袈衣 (7) / 総髪 (5) / 蓮髪 (4) / 冠 (1) / 鉢巻 (1)

beard (髭)

なし (90) / あり (48)

misc (その他)

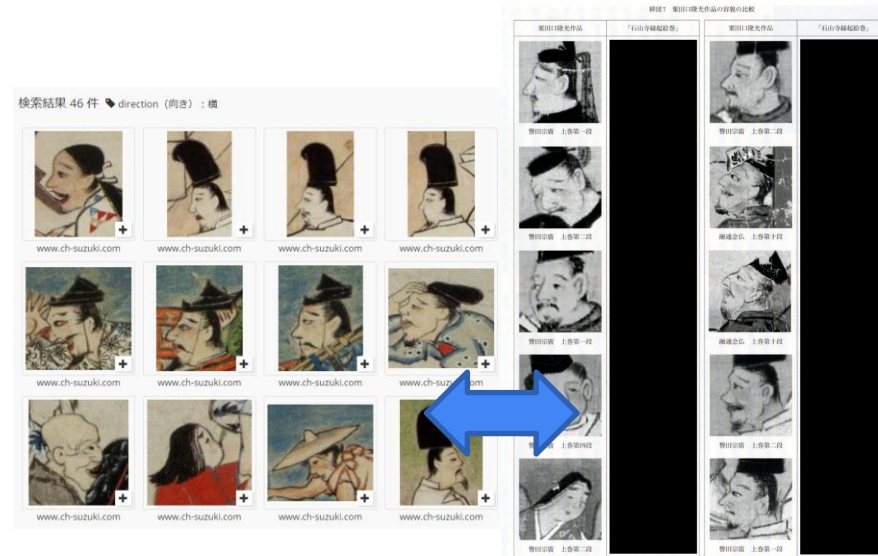
少年 (14) / 僧侶 (12) / 馬借 (6) / 漁師 (4) / 老人 (2) / 仏 (1) / 幼児 (1) / 甲冑 (1)

# IIIF Curation Finder

## 28. Art history group work ★

Conducting group work using the ICFinder

1. Participants consider the correct image by using the search function of the ICFinder
2. They create derived curations, and make presentations by each group



Participants search using attributes like direction and sex, and choose faces determined to be of a "similar type" by their predecessors

# ICP Use Environment

# For those who want to use the IIF Curation Platform

	Use case	Installation method	Project-specific environment
1	When using the <a href="#">demo environment provided by CODH</a>	No installation necessary	Not possible
2	Using the ICP client only	It is enough to <a href="#">download the ZIP file</a> , and expand at the position where a web server is needed	Not appropriate
3	ICP server is needed	Independent installation is also possible, but it is convenient to use the <a href="#">Docker</a>	Possible

I'll explain **1 and 3**. These are versatile methods.



All functions of the IIF Curation Platform

## 29. Use in the demo environment ★

You can use ICP in the demo environment provided by CODH

A demo environment, except for the IIF Curation Finder, is available at the CODH website and can be freely used

If you perform authenticated login, you can use curations across various functions

<http://codh.rois.ac.jp/icp/>

IIF Curation Viewer : <http://codh.rois.ac.jp/software/iiif-curation-viewer/demo/>

IIF Curation Manager : <http://codh.rois.ac.jp/software/iiif-curation-manager/demo/>

IIF Curation Editor : <http://codh.rois.ac.jp/software/iiif-curation-editor/demo/>

IIF Curation Player : <http://codh.rois.ac.jp/software/iiif-curation-player/demo/>

IIF Curation Board : <http://codh.rois.ac.jp/software/iiif-curation-board/demo/>

All functions of the IIF Curation Platform (Docker version)

## 30. Use employing Docker ★★

Docker version IIF Curation Platform

<http://codh.rois.ac.jp/software/icp-docker/>

Easy construction way of your own environment

Convenient when you want create search function with the IIF Curation Finder for your own curations

Requires server management knowledge on the level of understanding port and proxy setting

Also requires basic knowledge of Docker

Nevertheless, beginners who understand the basics can handle it (I (Suzuki) am also at that level)

# In conclusion: ICP tutorials

An introduction to basic usage of ICP, including procedures presented in these recipes, are provided this page

<https://www.ch-suzuki.com/icpt/>

ICP tutorial is always being updated, so please be sure to use it



The screenshot displays the website for the ICP Tutorial. At the top, the title "ICP Tutorial はじめに" is centered. Below it is a navigation menu with links for "Home", "ICP Tutorial", "About", and "Contact Us". A language selector shows "日本語 / English". The main content area features a dark header with "ICP Tutorial : はじめに" and a "Table of Contents" section. The table of contents lists several chapters, including "はじめに", "第1回 ICPとは何か", "第2回 CODHサイトからICPを使ってみる (IIIF Curation Viewer)", "第3回 CODHサイトからICPを使ってみる (IIIF Curation ManagerとIIIF Curation Editor)", "第4回 Docker版ICPをセットアップしICFinderを利用する", "第5回 ICPを使ったキュレーション活用例の紹介", "第6回 CODHサイトからICPを使ってみる (IIIF Curation Palyer) NEW!", and "第7回 ICPを利用してグループ作業を行う NEW!". Below the table of contents is an "Appendix FAQ" section and a "はじめに" section with a note: "(チュートリアルは暫定版です。最新情報に合わせて随時更新をする予定です。)".

Thank you for listening.

I would like to thank everyone who provided IIF images and collaborated with this research.