

The 32nd EAJRS Conference (September 16, 2022)
Okumura, Makito (National Diet Library, Japan)

Promotion and Use of Digital Resources through



JAPAN SEARCH

Genji monogatari kaiawase

A pair of clam shells on each side depict the same "Tale of Genji"
scene. 16 shells / 8 pairs Boxed :31.7 x 23.6 x 6.8cm



This material, with the exception of the logo, is provided under the Creative Commons Attribution 4.0 International License.



1 What is Japan Search ?

2 Functions

3 Using Japan Search

-Demonstration-

1 What is Japan Search ?



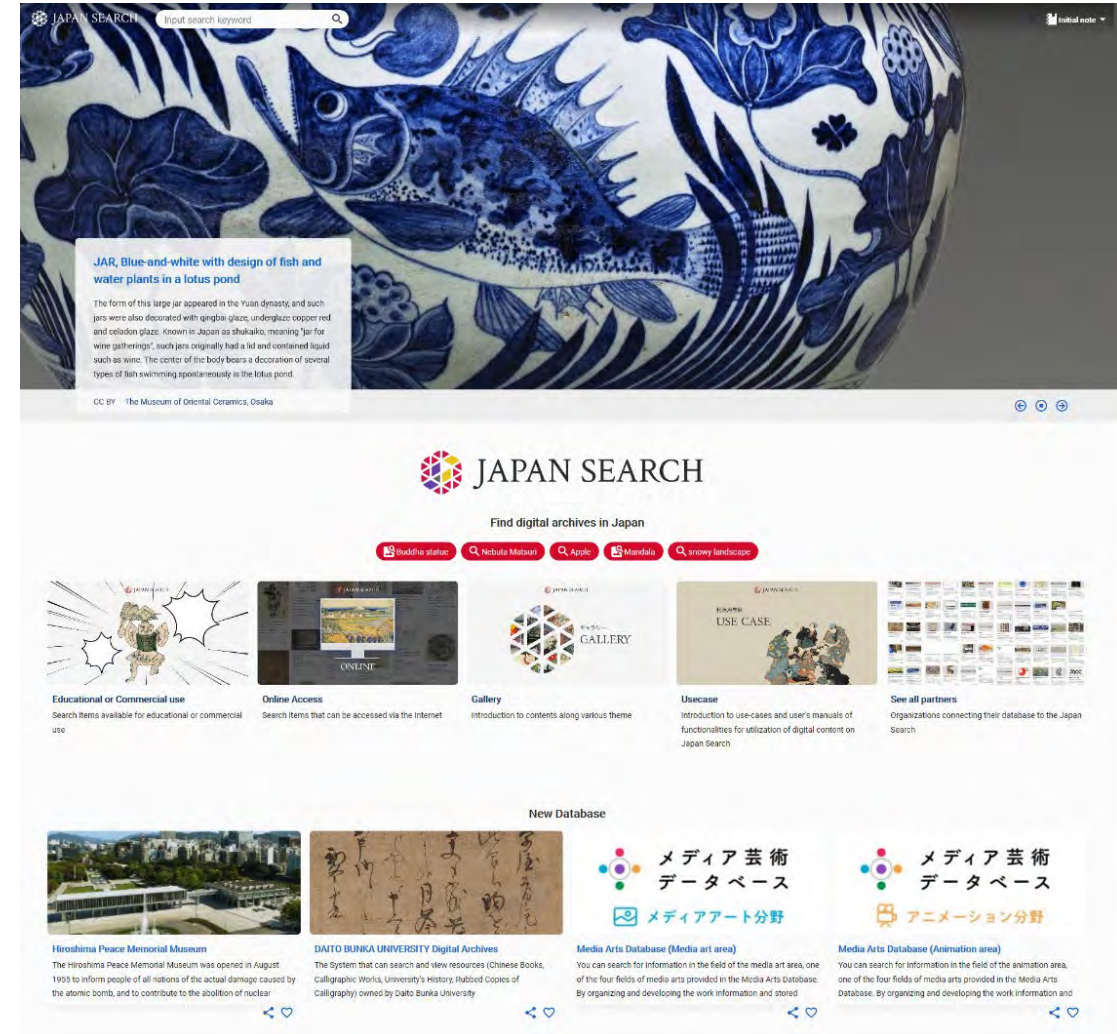
What is Japan Search ?

■ **Japan Search** is a national platform for promoting the use of content from Japan's digital archives.

- publications at libraries
- artwork and other cultural assets at museums
- documents at archives
- academic resources in fields such as the humanities and natural history
- video programs and movies for broadcast

■ National Initiative

- managed by a committee with a secretariat in the Cabinet Office
- system development and operation as well as collaborative practices handled by the NDL



<https://jpsearch.go.jp/>



JAPAN SEARCH

Japan Search Partners

26 million metadata records from 185 databases of 36 aggregators national as well as municipal institutions, universities, private enterprises (as of August 2022)



Edo-Tokyo Open Air Architectural Museum

- An open-air museum that relocates, restores, preserves, and exhibits historical buildings of high cultural value that cannot be preserved on site. - 30 distinctive buildings built in Edo and Tokyo between the early Edo Period to the postwar era have been relocated and restored, and contain exhibits of



Keio Museum Commons

Keio Museum Commons [KeMCo] functions as a "hub" of Keio's cultural assets, which spans a variety of fields including art, archaeology, literature, history, and medicine, and the educational and research activities behind it. At KeMCo, we aim to create a place where various communities can interact and generate new discoveries



Tokyo Fuji Art Museum

The Tokyo Fuji Art Museum is founded on November 3, 1983, in Hachioji, a thriving university town in the western suburbs of the Japanese capital. Priding itself as "a museum creating bridges around the world" to facilitate the exchange of different cultures, our museum has forged cordial relations with art museums and cultural institutes



Sapporo Municipal Central Library

札幌市中央図書館は、市内に47か所ある図書館施設のセンター機能を担うとともに、札幌に関する郷土資料を中心に、北海道や南樺太などに関する資料も収集しています。



Gunma Prefectural Library

群馬県立図書館は、県民が自ら学び、自ら考え、社会の変化に柔軟に対応でき、心の豊かさや生きがいを持って生活することのできる生涯学習社会を構築するための中核施設であるとの認識に立ち、県民のニーズを総合的かつ幅広く把握した図書館サービスに努めています。



NATIONAL ARCHIVES OF JAPAN

The National Archives is an organization for preserving, as historical materials, public records and archives of importance transferred from state organs, and providing them for public use, with the aim of achieving appropriate preservation and use of such public records and archives that are kept in the National Archives or state organs



Hiroshima Peace Memorial Museum

The Hiroshima Peace Memorial Museum was opened in August 1955 to inform people of all nations of the actual damage caused by the atomic bomb, and to contribute to the abolition of nuclear weapons, as well as the realization of lasting world peace. It collects and displays belongings left behind by the victims



Library of Education, National Institute for Educational Policy Research

Library of Education at the National Institute for Educational Policy Research is a library specializing in education. The library holds approximately 100,000 textbooks from the Edo period to the present, administrative documents from the postwar educational reform period, and other materials related to



Geospatial Information Authority of Japan

GSI, being the competent authority of the Survey Act, conducts national surveying and mapping activities, which provide a basis for the land management.



International Research Center for Japanese Studies

The International Research Center for Japanese Studies (Nichibunken) was founded in 1987 to pursue international interdisciplinary, and comprehensive research on Japanese culture and to provide research cooperation and support for Japanese studies scholars around the world.



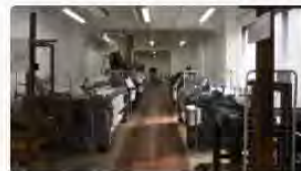
Niigata University, Regional Image Archive Reserch Center

A Reserch Center of Niigata University



NHK Archives

NHK, known as Tokyo Broadcasting Station at the time, started radio broadcasting in March, 1925. Following World War II, the station changed its name to Japan Broadcasting Corporation, and started television broadcasting in 1953. The NHK Archives is a collection of programs, scripts, program documents, video



MUSEUM OF NATURE AND SCIENCE TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

東京農工大学科学博物館の歴史は明治19年(1886年)、東京農工大学工学部の前身である農商務省畜病試験場の「参考品陳列場」にはじまります。昭和27年(1952年)、博物館法に基づく「博物館相当施設」に指定され、昭和52年(1977年)には工学部附属農林科学博物館と



Research Institute for Humanity and Nature

The Research Institute for Humanity and Nature is a national research institute established by the Government of Japan in 2001 and it is part of the National Institutes for the Humanities. RIHN research starts from the premise that environmental problems are rooted in human society.



Edo-Tokyo Open Air Architectural Museum

- An open-air museum that relocates, restores, preserves, and exhibits historical buildings of high cultural value that cannot be preserved on site. - 30 distinctive buildings built in Edo and Tokyo between the early Edo Period to the postwar era have been relocated and restored, and contain



Keio Museum Commons

Keio Museum Commons [KeMCo] functions as a "hub" of Keio's cultural assets, which spans a variety of fields including art, archaeology, literature, history, and medicine, and the educational and research activities behind it. At KeMCo, we aim to create a place where various communities can interact and generate new discoveries

List of organizations: <https://jpsearch.go.jp/organization?from=0>

List of databases: <https://jpsearch.go.jp/database?from=0>



Number of records in each category

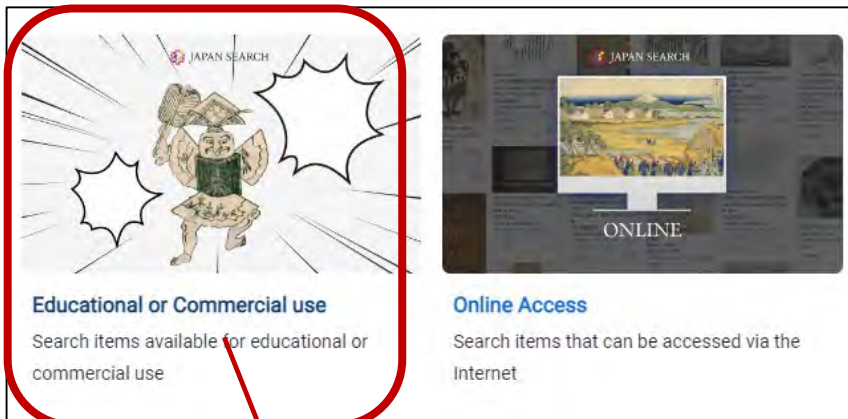
Book/Publication	11,973,051
Natural History/Engineering Science	5,432,442
Humanities	5,050,693
Official Document	4,130,512
Regional Resource	666,376
Art	600,568
Cultural Property	524,824
Animation	128,053
Performing Art	86,296
Movie	82,707
Broadcast Program	82,488
Game	52,128
Dataset	24,439
Media Art	16,455
Map	3,349

Secondary Use of Content Found via Japan Search

Top Page

Card shows list of permitted educational and commercial uses.

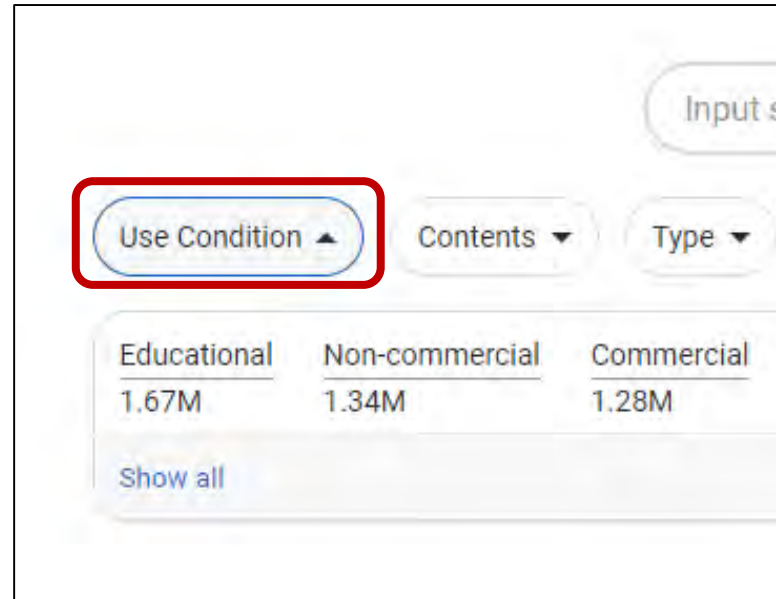
(CC0, PDM, CC BY, CC BY-SA)



Click on a card to see a list of the corresponding contents.

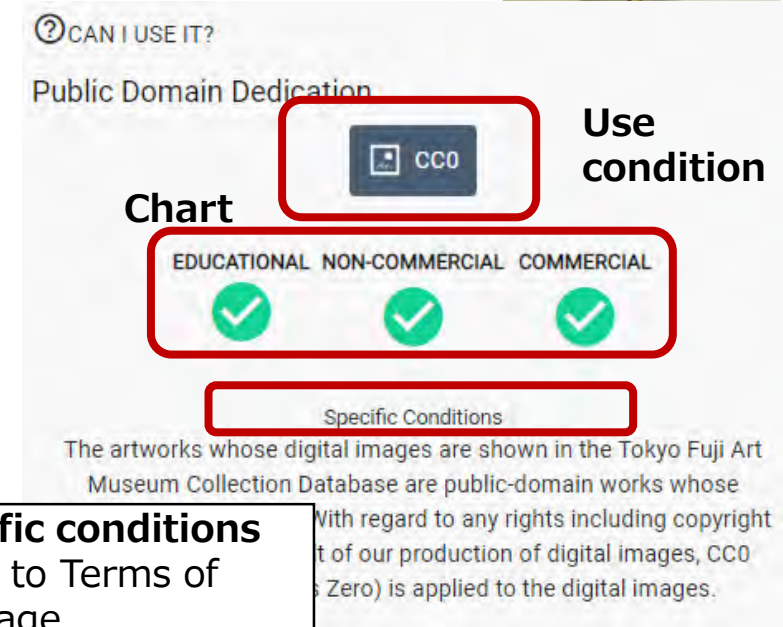
Searching by use conditions

Search results can be filtered per use conditions.



Chart

Use conditions also shown with individual content.



Specific conditions linked to Terms of Use page

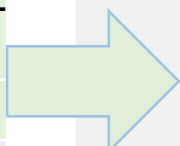


Use Conditions for Content

15 Different Rights Statements

Public Domain Tool	CC0 PDM
Creative Commons	CC BY
	CC BY-SA
	CC BY-ND
	CC BY-NC
	CC BY-NC-SA
Rights Statements	CC BY-NC-ND
	UNDER COPYRIGHT
	UNDER COPYRIGHT-EDUCATIONAL USE PERMITTED
Original	NO COPYRIGHT-CONTRACTUAL RESTRICTIONS
	NO COPYRIGHT-OTHER KNOWN LEGAL RESTRICTIONS
-	COPYRIGHT NOT EVALUATED
-	COPYRIGHT UNDETERMINED-ORPHAN WORK in JAPAN
-	OTHERS

The screenshot shows a search result for '短刀' (tantō) on the Japan Search website. The page includes a search bar at the top, a navigation menu, and a main content area. The item is identified as a '短刀' (tantō) from the '東京国立博物館' (National Museum of Tokyo). The date is '2020/08/04' and the creator is '栗田口吉光(名物 厚藤四郎) 鎌倉時代・13世紀'. The license is 'CC BY', which is highlighted with a green checkmark. Below the license, there are three categories: 'EDUCATIONAL', 'NON-COMMERCIAL', and 'COMMERCIAL', all with green checkmarks. A link to 'About license' is provided. The page also features a 'Cultural Property' and 'Art' tag, and a 'Open in Source Archives' button.

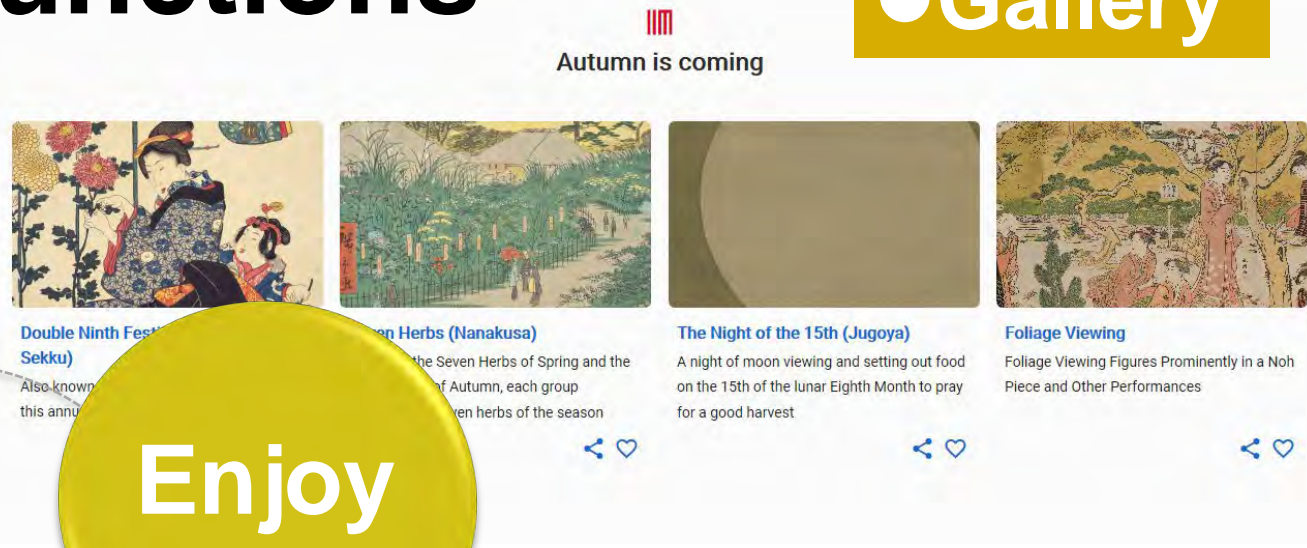
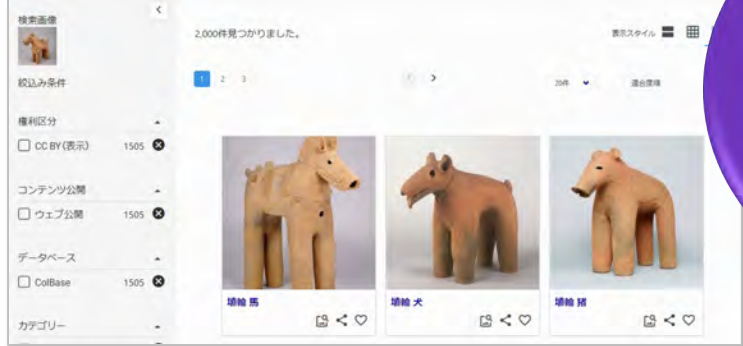
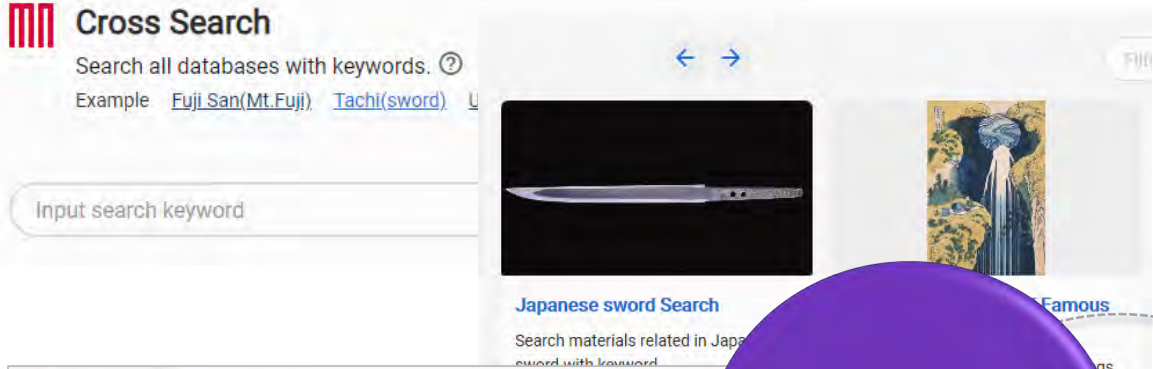


2 Functions

●Cross Search

Main functions

●Gallery

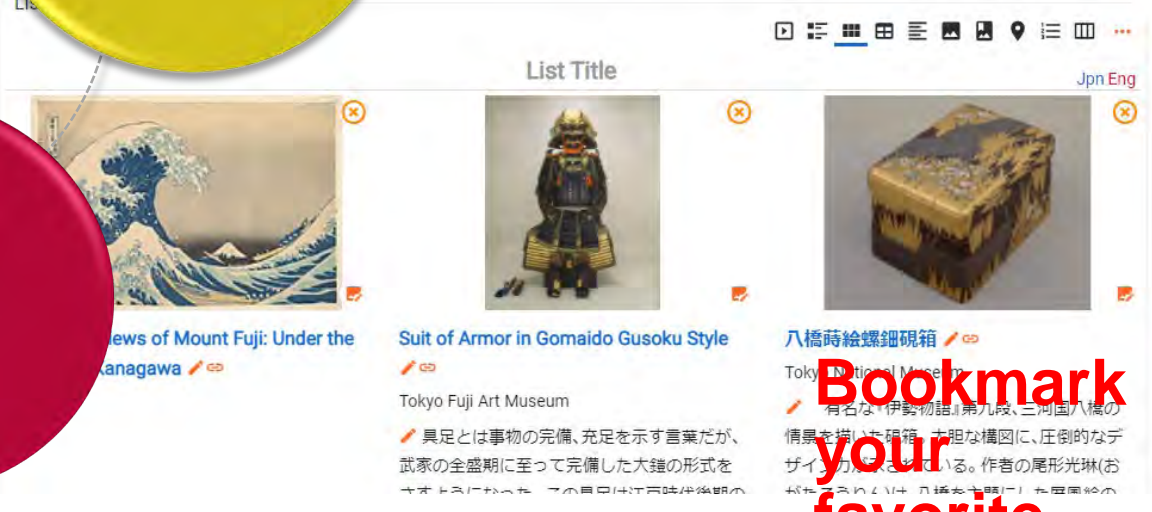
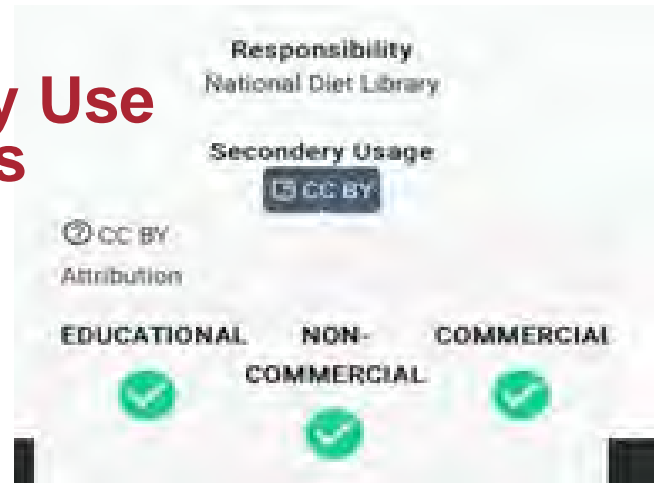


Search

Enjoy

Use

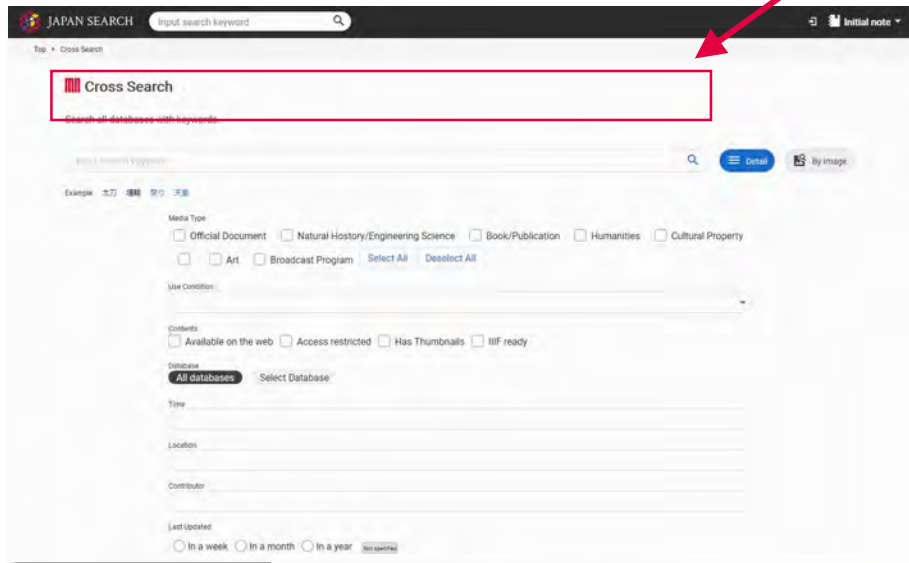
Secondary Use Conditions



Bookmark your favorite content

●My Note and My Gallery

Cross Search



- Search keywords are automatically translated
- To help keyword search, the JPS system generates romanized versions of aggregated metadata

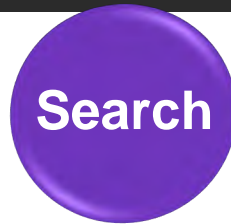


Image Search



← →

Japanese sword Search
Search materials related in Japanese sword with keyword.


Meisho-e (Paintings of Famous Places) Search
Preset search for Meisho-e (Paintings of Famous Places). Input keywords such as name of artist, subject of paintings and name of places.

Designed Search




Example of cross search result (keyword 「鷹」 :hawk)


60,032 hit 1 / 3,002 page




Waka Kaishi by Takatsukasa Norihira
鹿司致平 AC17
Provider: 新選文庫
Aggregator: Keio University
Keio Object Hub
CC BY



Inro (Medicine Case) with Design of Hawk and Pine Tree in Maki-e Lacquer
芝山, Shibayama 明治時代・19世紀, Meiji Period (19th c.)
Provider: Tokyo Fuji Art Museum
Aggregator: The Japanese Council of Art Museums
Tokyo Fuji Art Museum Collection Database
CC0



Mirror with crossed-falcon-feathers motif on paulownia crest pattern
AC16
Provider: Keio Museum Commons
Aggregator: Keio University
Keio Object Hub
CC BY



Infant Hawk
位相阿弥
Provider: Keio Museum Commons
Aggregator: Keio University
Keio Object Hub
CC BY




Figure of Hawk, Painted Earthenware
唐 (8世紀)
Provider: Tokyo Fuji Art Museum
Aggregator: The Japanese Council of Art Museums
Tokyo Fuji Art Museum Collection Database
CC0







Figure of Hawk, Painted Earthenware
唐 (8世紀)
Provider: Tokyo Fuji Art Museum
Aggregator: The Japanese Council of Art Museums
Tokyo Fuji Art Museum Collection Database
CC0




鷹山水図屏風
雪村岡継筆 室町時代・16世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




鷹狩図
仕古広尚筆 江戸時代・19世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




牙彫鷹器物
金田基次郎作 明治25年(1892)
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




桜花に鷹
朝野北斎筆 江戸時代・19世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




自在鷹器物
明珍清壽作 江戸時代・18～19世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




松仁鷹図屏風
筆者不詳 安土桃山～江戸時代・16～17世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




八松双鷹図
山本梅漁筆 江戸時代・享和5年(1852)
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




桐壺鷹羽蝶紋苳繪筆筒
Provider: Kyoto National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY




松鷹図
雪村岡継筆 室町時代・16世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY



鷹見泉石像
薄辺寧山筆 江戸時代・天保8年(1837)
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY



振袖 浅葱縮緬地松竹梅鷹御所車模様
江戸時代・19世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY

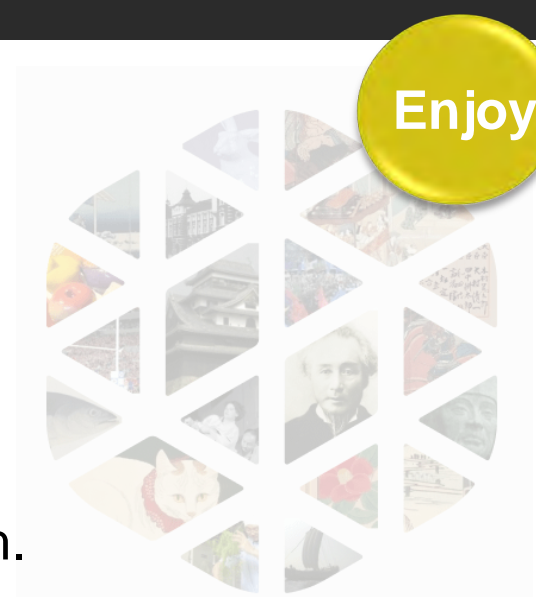



振袖 白縮緬地梅樹樹立鷹模様
江戸時代・18世紀
Provider: Tokyo National Museum
Aggregator: National Institutes for Cultural Heritage
ColBase
CC BY







Gallery

Enjoy


- Introducing content by subject matter
 - ✓ more than **430** subjects
 - ✓ IIF Support
 - ✓ partners are able to edit and publish galleries of content on Japan Search.



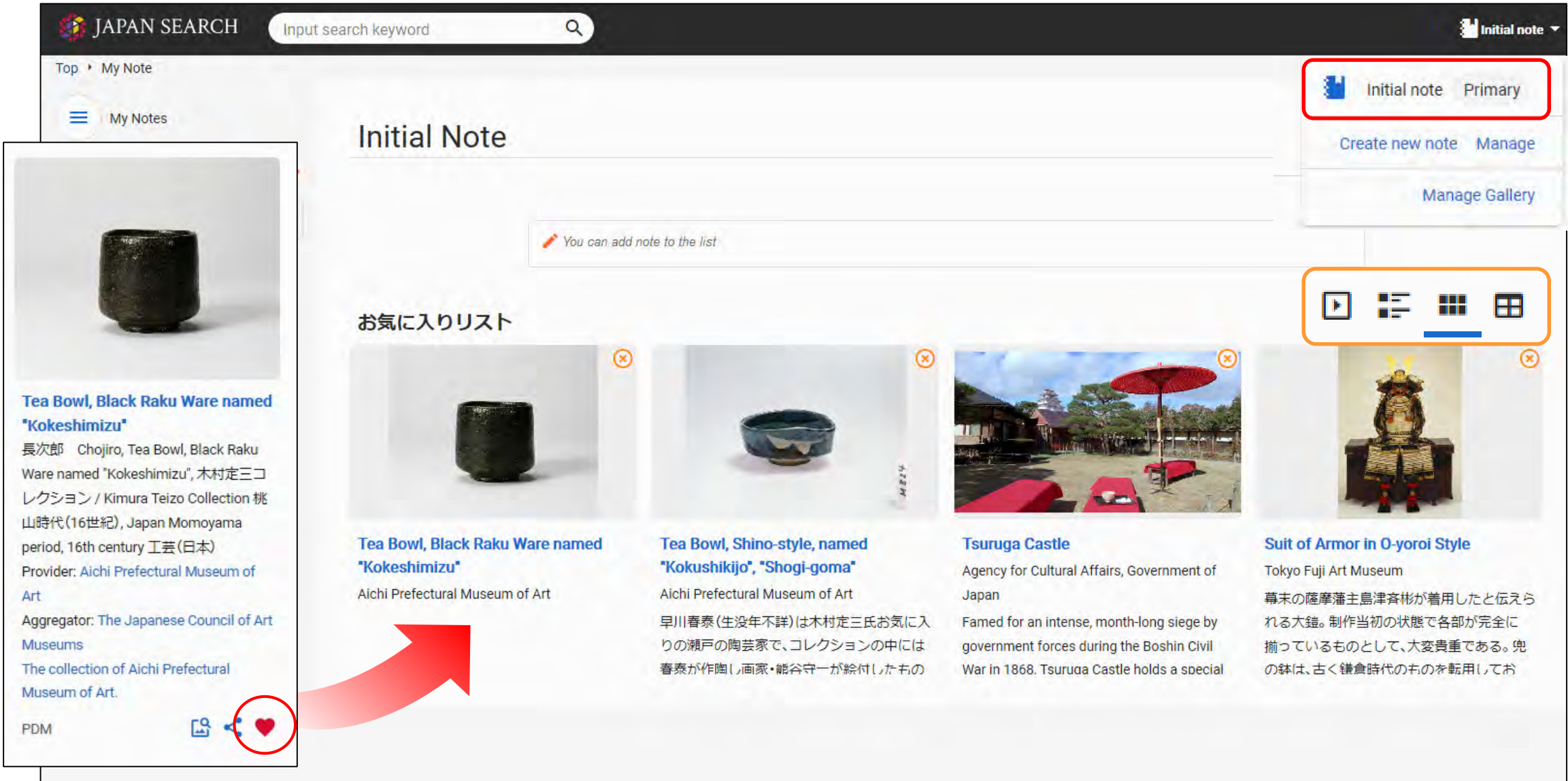

Search by era


Nara period 648 - 781	Heian period 782 - 1184	Kamakura period 1185 - 1333	Nanbokuchō period 1334 - 1393		
				 Horyu-ji Temple	

My Note

- ✓ Click the  icon to add an item to your list of favorites
- ✓ A bookmark to record items

Use




JAPAN SEARCH Input search keyword  Initial note


Top > My Note




My Notes


Initial Note


 You can add note to the list

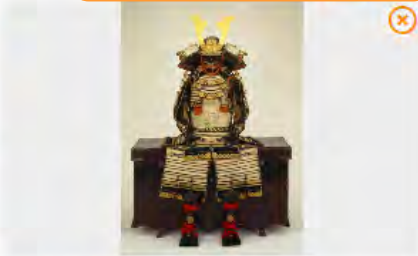
お気に入りリスト

- 


Tea Bowl, Black Raku Ware named "Kokeshimizu"
長次郎 Chojiro, Tea Bowl, Black Raku Ware named "Kokeshimizu", 木村定三コレクション / Kimura Teizo Collection 桃山時代(16世紀), Japan Momoyama period, 16th century 工芸(日本)
Provider: Aichi Prefectural Museum of Art
Aggregator: The Japanese Council of Art Museums
The collection of Aichi Prefectural Museum of Art.
PDM  
- 

Tea Bowl, Black Raku Ware named "Kokeshimizu"
Aichi Prefectural Museum of Art
- 

Tea Bowl, Shino-style, named "Kokushikijo", "Shogi-goma"
Aichi Prefectural Museum of Art
早川春泰(生没年不詳)は木村定三氏お気に入りの瀬戸の陶芸家で、コレクションの中には春泰が作陶し画家・能谷守一が絵付したもの
- 

Tsuruga Castle
Agency for Cultural Affairs, Government of Japan
Famed for an intense, month-long siege by government forces during the Boshin Civil War in 1868. Tsuruga Castle holds a special
- 

Suit of Armor in O-yoroi Style
Tokyo Fuji Art Museum
幕末の薩摩藩主島津斉彬が着用したと伝えられる大鎧。制作当初の状態が完全に揃っているものとして、大変貴重である。兜の鉢は、古く鎌倉時代のものを転用してお



My Gallery

- ✓ Allows users to curate content
- ✓ Collaborative projects
- ✓ Anyone can use without registering!



Curation Education Event

Online Collaborations!

Share online

Gallery Number
538241158671

Expired at
2021/12/25 23:59:59 JST

URL
<https://jpsearch.go.jp/mygallery/online/?wid=538241158671>

Embed content in other websites

JAPAN SEARCH Input search keyword Initial note

Top > My Gallery > Gallery > Tea Ceremony

Tea Ceremony

Outline
ドラッグで並び替え

Tea Ceremony

Initial note Primary

Create new note Manage

Manage Gallery

Summary

List

Tea Ceremony Jp En

Tea Bowl, Black Raku Ware named "Kokeshimizu" Aichi Prefectural Museum of Art

Nanshu-ji temple NHK Archives
堺の豪商の子として早くから茶の湯に親しんだ千利休は、南宗寺で修行したと伝えられています。「茶の湯」の文化は、戦国武将たちのたしな

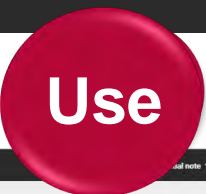
「茶の湯日々#広間薄茶の図」「茶の湯日々草」「目録他」東京都立中央図書館

Participants

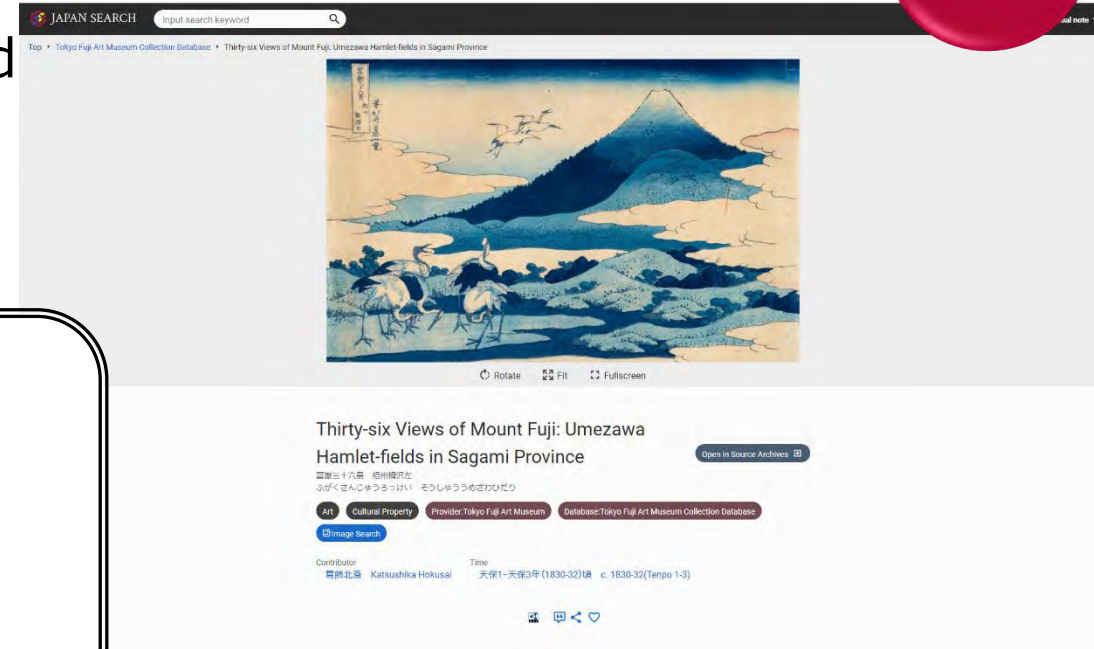
Lisa

John

API (SPARQL Endpoint)



- Aggregated metadata are converted to a standard schema (Japan Search RDF Schema)
- Provides metadata to users as Linked Open Data



For developers <https://jpsearch.go.jp/static/developer/en.html>

- JPS-RDF Schema

SPARQL API (<https://jpsearch.go.jp/api/sparql-explain/>)

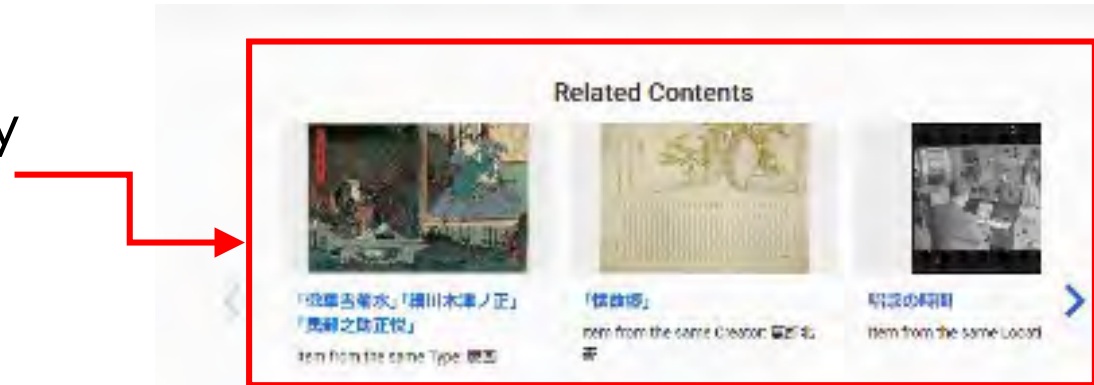
EasySPARQL API (<https://jpsearch.go.jp/api/sparql-explain/#sec4>)

- An Overview of the JPS-RDF Schema

(<https://jpsearch.go.jp/api/introduction/>)

Using the JPS Schema

- Content related to the subject matter by time, location, individual, or organization automatically appears in search results.
- Cross search in Europeana and Gallica.

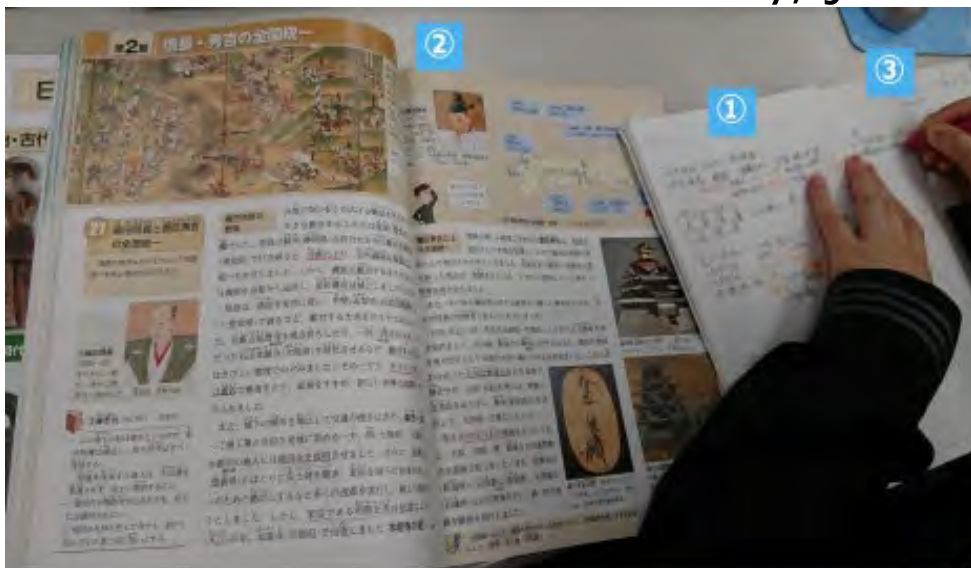


3 Using Japan Search

Example # 1

Curation in the Classroom

for elementary, junior-high, and high school students



7 Steps of Classroom Curation

- ① Conventional class style
- ⇒ ② Based on textbooks
- ⇒ ③ Set their own questions
- ⇒ ④ Structuring the question ⇒ ⑤ Curation
- ⇒ ⑥ Discussion ⇒ ⑦ Presentation



大井 将生 (東京大学大学院情報学環・学際情報学府渡邊英徳研究室) 「ジャパンサーチ活用機能の利用事例報告」
(<https://jpsearch.go.jp/static/pdf/event/useevent2021/2.pdf>)

Example # 2

Curation Event for Children

As part of the Children's Tour Day at Kasumigaseki Online Event

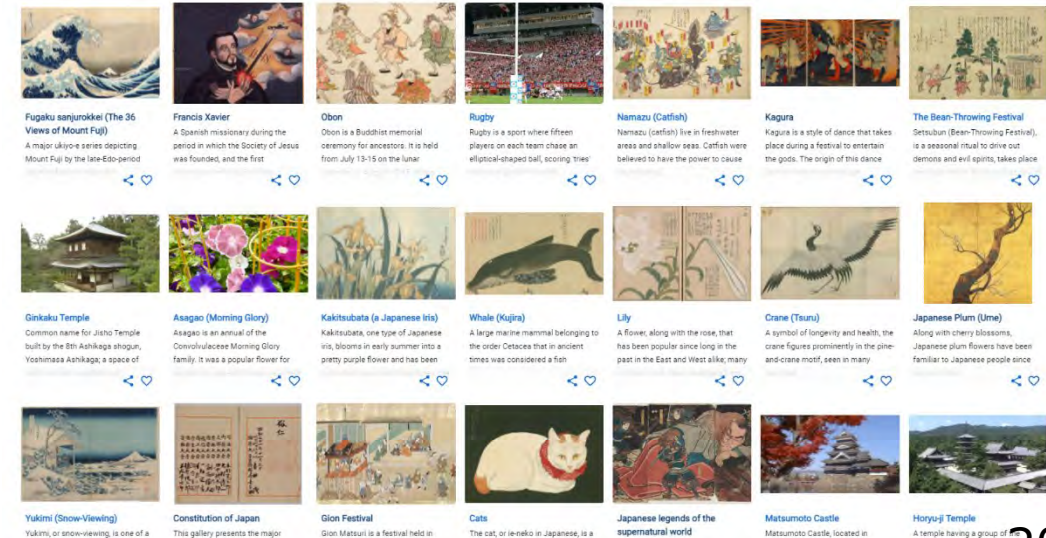
Comments from children

- ✔ It was the first time for me to create an electronic exhibit, so it was interesting. I especially liked the part about deciding on a subject and creating it. (Elementary school student)
- ✔ It was easy to create an electronic exhibition. (Elementary school student)



Comments from parents

- ✔ It was impressive that the children seemed to be happy collecting material on subjects that interested them and creating their own original galleries. They were all proudly working on them with smiles on their faces.
- ✔ I felt that the program fully utilized the advantages of online and digital content, and was not just a substitute for the real experience, but surpassed it.



Example # 3

For Partners

Creating a Gallery on Japan Search

- ✓ to promote on-site exhibition
- ✓ to increase access to the original site
- ✓ to introduce the collection to a wider audience



Soga Shōhaku: The Ultimate Eccentric

Among the works exhibited at the Aichi Prefectural Museum of Art's



東京大学学内広報コラム デジタル万華鏡

東京大学『学内広報』では、1522号(2019年5月発行)から、東京大学デジ



斎場御嶽

世界遺産に登録されている沖縄県南城市の斎場御嶽。その隠れた歴史を紹介します。



Hokusai, Hiroshige, Yoshida, and Hasui: Landscape of Journey in Japanese Woodblock Prints

東京富士美術館で2022年4月2日から



For more information:
<https://jpsearch.go.jp/about>



JAPAN SEARCH OFFICIAL (@jpsearch_go)



JAPAN SEARCH Official YouTube Channel

<https://www.youtube.com/channel/UCSK72iSEQMzEcu8BWLEFzPQ>



Japan Search Facebook

<https://www.facebook.com/jpsearchgo/>

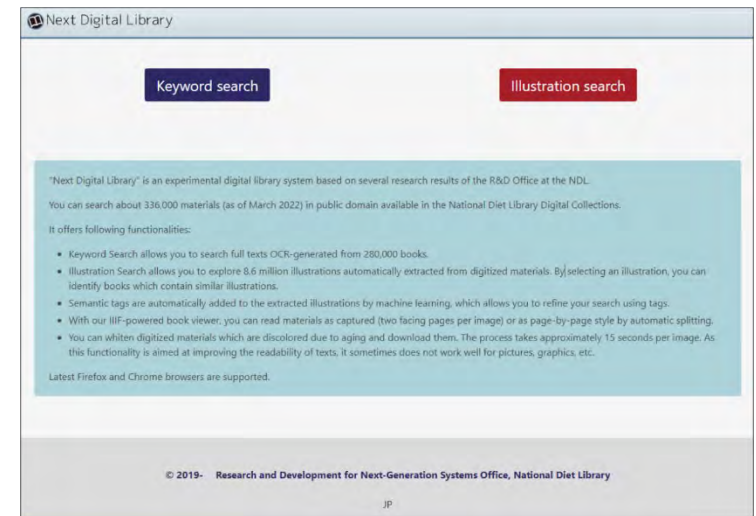


JAPAN SEARCH Instagram

https://www.instagram.com/japansearch_go/

Extra: Recent Progress at the Next Digital Library

- **The Next Digital Library:**
an experimental digital library developed by the same technical team (R&D Office) as Japan Search
- In March 2022, **a large amount of OCR full-text data** created in FY2021 was added, making 280,000 public domain books searchable.
- Please visit the **NDL Lab** website for details on OCR projects in FY2021.



<https://lab.ndl.go.jp/dl/>



<https://lab.ndl.go.jp/>