

# Attempt at Matching 18,000 Japanese AAT terms on Digital Archiving Platform “Japan Search”

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# What is Japan Search?

## 1. National platform

Managed and operated by the National Diet Library of Japan.

## 2. Highly reliable

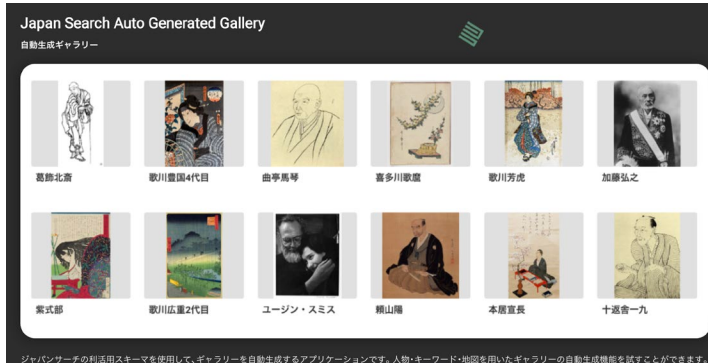
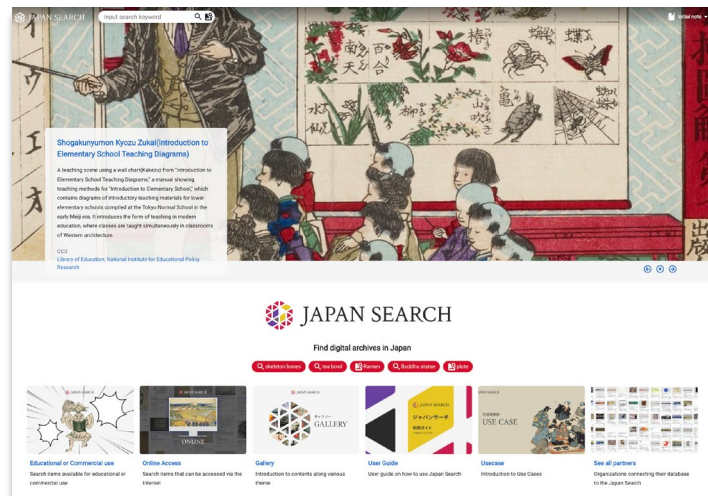
Collaborates with various organizations in Japan, based on policies established by relevant ministries and working-level councils of digital archives

## 3. Japanese Digital Resources

Provides integrated access to Japan's cultural and academic digital resources.

## 4. Aggregate metadata

Gathers metadata from digital resources in a wide range of fields, including books, publications, official documents, humanities, and the arts.



# Metadata Linkage and Utilization of Japan Search

152 Organizations connecting their database to the Japan Search



# Data Volume

# of Databases

260

# of Organizations

152

# of Metadata

30,706,873

Number of records by each area

|                                     |            |
|-------------------------------------|------------|
| Animation                           | 172,856    |
| Movie                               | 196,281    |
| Game                                | 52,940     |
| Official Document                   | 4,382,900  |
| Natural History/Engineering Science | 6,850,552  |
| Book/Publication                    | 14,480,040 |
| Humanities                          | 5,801,393  |
| Regional Resource                   | 1,054,941  |
| Map                                 | 60,922     |
| Dataset                             | 22,944     |
| Art                                 | 704,190    |
| Performing Art                      | 251,989    |
| Cultural Property                   | 996,621    |
| Broadcast Program                   | 83,482     |
| Media Art                           | 80,520     |

Some data in these classifications is inaccurate.

Field : Media Art × Reset

Use Condition ▼

Contents ▼

Type ▼

Database ▼

Field ▼

80,520 hit



Miura shinshichi related postcards

作成者:田崎慎治, 宛名:三浦新七 作成日:  
1906/08/01 作成地:ポートセイド(エジプト),  
宛先:ミュンヘン・シェリング・シュトラッセ



Miura shinshichi related postcards

Is this Media Art?

# Matching Japanese AAT Terms

## Method:

- Used SPARQL Endpoint for full-text search query
- Searched 18,000 Japanese AAT terms in Japan Search (Labels used only)
- Target "Arts and Architecture" class of Japan Search (RDF type)

|                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                    |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Description of < <a href="https://jpsearch.go.jp/data/tfam_art_db-6157">https://jpsearch.go.jp/data/tfam_art_db-6157</a> >  |                                                                                                                                                                                                                                                                                                                                    |                                                                     |
| rdf:type                                                                                                                                                                                                       | type:版画 (版画)                                                                                                                                                                                                                                                                                                                       |                                                                     |
| rdfs:label                                                                                                                                                                                                     | 富嶽三十六景 東海道金谷ノ不二                                                                                                                                                                                                                                                                                                                    |                                                                     |
| schema:name                                                                                                                                                                                                    | Thirty-six Views of Mount Fuji: Mt. Fuji from Kanaya on the Tokaido @en<br>"ふがくさんじゅうろっけい とうかいどうかなやのふじ"@ja-kana<br>"富嶽三十六景 東海道金谷ノ不二"@ja                                                                                                                                                                                             |                                                                     |
| schema:creator                                                                                                                                                                                                 | chname:葛飾北斎 (葛飾北斎)                                                                                                                                                                                                                                                                                                                 |                                                                     |
| schema:spatial                                                                                                                                                                                                 | place:日本 (日本)                                                                                                                                                                                                                                                                                                                      |                                                                     |
| schema:temporal                                                                                                                                                                                                | time:1830-1832 (1830~1832年)                                                                                                                                                                                                                                                                                                        |                                                                     |
| schema:dateCreated                                                                                                                                                                                             | "1830-1832"                                                                                                                                                                                                                                                                                                                        |                                                                     |
| schema:description                                                                                                                                                                                             | "material technique: Color woodblock print on paper"<br>"size: 23.6 x 36.3 cm"<br>"「箱根八里は馬でも越すが越すに越されぬ大井川」と詠われた東海道最大の難所である大井川。金谷は現在の静岡県島田市に位置する。江戸時代、架橋、渡船が禁じられていた大井川では川越しの人足や馬の背に荷駄や人を乗せる徒渡しが行われていた。まるで、海のように波打つ川を、金谷宿と島田宿の双方から徒渡して往きかう旅人や荷駄が描かれている。向こう岸には堤防が波のうねりと呼応するような形で描かれている。"<br>"分類: 版画"<br>"員数: 1"<br>形質・技法: 木版多色刷 横大判錦絵 |                                                                     |
| schema:image                                                                                                                                                                                                   | < <a href="https://www.fujibi.or.jp/assets/images/collection/thumb_c/thumb_c_06157.jpg">https://www.fujibi.or.jp/assets/images/collection/thumb_c/thumb_c_06157.jpg</a> >                                                                                                                                                          |                                                                     |
| jps:agential                                                                                                                                                                                                   | jps:relationType                                                                                                                                                                                                                                                                                                                   | role:制作 (制作)                                                        |
|                                                                                                                                                                                                                | jps:value                                                                                                                                                                                                                                                                                                                          | chname:葛飾北斎 (葛飾北斎)                                                  |
|                                                                                                                                                                                                                | schema:description                                                                                                                                                                                                                                                                                                                 | "artist: Katsushika Hokusai"<br>作家名: 葛飾北斎                           |
| jps:spatial                                                                                                                                                                                                    | jps:relationType                                                                                                                                                                                                                                                                                                                   | role:制作 (制作)                                                        |
|                                                                                                                                                                                                                | jps:value                                                                                                                                                                                                                                                                                                                          | place:日本 (日本)<br>(fetched via geo props of place:日本)                |
|                                                                                                                                                                                                                | schema:latitude                                                                                                                                                                                                                                                                                                                    | 35                                                                  |
|                                                                                                                                                                                                                | schema:longitude                                                                                                                                                                                                                                                                                                                   | 136                                                                 |
|                                                                                                                                                                                                                | jps:within                                                                                                                                                                                                                                                                                                                         | < <a href="http://geohash.org/xn...">http://geohash.org/xn...</a> > |
|                                                                                                                                                                                                                | schema:geoCoveredBy                                                                                                                                                                                                                                                                                                                | < <a href="http://geohash.org/xn...">http://geohash.org/xn...</a> > |
| jps:temporal                                                                                                                                                                                                   | schema:description                                                                                                                                                                                                                                                                                                                 | 国籍: 日本                                                              |
|                                                                                                                                                                                                                | jps:relationType                                                                                                                                                                                                                                                                                                                   | role:制作 (制作)                                                        |
|                                                                                                                                                                                                                | jps:value                                                                                                                                                                                                                                                                                                                          | time:1830-1832 (1830~1832年)                                         |

# Japan Search RDF Schema

## 25 Basic description properties

|                      |                      |
|----------------------|----------------------|
| rdf:type             |                      |
| rdfs:label           | schema:inLanguage    |
| schema:name          | schema:image         |
| schema:contributor   | schema:abstract      |
| schema:creator       | schema:description   |
| schema:publisher     | schema:isPartOf      |
| schema:temporal      | schema:hasPart       |
| schema:dateCreated   | schema:relatedLink   |
| schema:datePublished | schema:exampleOfWork |
| schema:spatial       | schema:workPerformed |
| schema:about         |                      |
| schema:genre         |                      |
| schema:category      |                      |
| schema:identifier    |                      |
| schema:isbn          |                      |
| schema:issn          |                      |

## Structured description properties

jps:agential  
jps:temporal  
jps:spatial  
jps:partOf  
jps:relatedLink

## Access information properties

jps:accessInfo

## Source information properties

jps:sourceInfo

# Art and Architecture class on Japan Search

- 建造物・建築 (Built Environment)
- 建築 (Architecture)
- 石碑 (Stone Monument)
- 構成物 (Part and Fragment)
- 考古・民族 (Antiquity and Ethnographic Material)
- 民族資料 (Ethnographic Material)
- 考古 (Archaeology Material)
- 芸術・美術 (Art Objects)
- 彫刻 (Carving and Sculpture)
- 装飾・工芸 (Decorative and Utilitarian Work)
- 金工・武器 (Metalwork and Weapon)
- 金工 (Metalwork)
- 刀剣 (Sword)
- 馬具 (Equestrian Equipment)
- 武器 (Weapon)
- 陶磁 (Ceramic)
- 工芸 (Craft)
- 木工 (Woodwork)
- 竹工芸 (Bamboo Craft)
- 面 (Mask)
- 楽器類 (Musical Instrument and Related Equipment)
- 楽器 (Musical Instrument)
- 染織 (Textile)
- 漆工 (Lacquerware)
- 宝石 (Jewelry)
- 書跡 (Calligraph)
- 絵画等 (Drawing, Painting, Print, and Graphic Art)
- 写真 (Photography)
- 絵画 (Painting)
- 版画 (Print)
- 素描 (Drawing)
- 水彩 (Water Color)
- 屏風 (Screen)
- ポスター (Poster)
- デザイン (Design)
- メディア芸術 (Media Art)
- インスタレーション (Installation)
- パフォーマンス (Performance)
- 上演 (Theatrical Performance)
- 演奏 (Musical Performance)
- パフォーマンスアート (Performance Art)
- 映画 (Movie)
- アニメーション (Animation)

# Search Results

- Total matches: 793,073 records  
(Including multiple matches from the same URI)
- Unique resources: 96,387 records (URIs)
- Types of matched terms: 4,365 words

## Characteristics:

- Most resources matched in the description field.
- Some resources use the same kanji characters but with different meanings or concepts.

# Top20 Keywords

No.4 and No.10 terms counts also includes the meaning of print size.

大判                  大判  
Obans coin and Oban print use  
the same letters but have different  
meanings.



Large-format print (大判印刷)



Obans Coin (大判)

| Rank | Japanese | AAT Labels                                  | Count |
|------|----------|---------------------------------------------|-------|
| 1    | 漢字       | Chinese scripts                             | 5000  |
| 2    | 地域       | tracts (land areas)                         | 5000  |
| 3    | 州        | cantons                                     | 4000  |
| 4    | 小判       | kobans (coins)                              | 4000  |
| 5    | 技術       | technique (concept)                         | 3000  |
| 6    | 空間       | space (general physical property)           | 3000  |
| 7    | 軸        | stems (object components)                   | 3000  |
| 8    | 図書館      | libraries (institutions)                    | 3000  |
| 9    | 層        | courses                                     | 3000  |
| 10   | 大判       | obans (coins)                               | 3000  |
| 11   | 地区       | divisions (political administrative bodies) | 3000  |
| 12   | 中判       | chuban (Japanese prints)                    | 3000  |
| 13   | 破風       | gables (architectural elements)             | 3000  |
| 14   | 柄        | handles (components)                        | 3000  |
| 15   | 卵        | ova                                         | 3000  |
| 16   | パステル     | pastels (visual works)                      | 2940  |
| 17   | アニメーション  | animated cartoons                           | 2868  |
| 18   | 容器       | Containers                                  | 2655  |
| 19   | 盆        | trays                                       | 2463  |
| 20   | 月        | months                                      | 2000  |

# Conclusion and Future Challenges

- Successfully matched many AAT terms with "Japan Search" resources in this project
- Detailed analysis needed with limited search targets (classes/properties) due to full-text search
- Aim to promote Japanese and English annotations using AAT for "Japan Search" data
- Advocate for AAT data usage not only in "Japan Search" but also in museum collection systems
- Increase accuracy  
Re-check Japanese representations in AAT Japanese labels