

Webinar: Linked Open Bibliographies: Exposing, Linking, Reusing



Linked Open Japanese National Bibliography

The New NDL Search and Web NDL Authorities

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Presentation topics:

1. Japanese National Bibliography and NDL Collections
2. Linked Open Data at Web NDL Authorities
3. Conclusion



1. Japanese National Bibliography and NDL Collections

NDL Collections

Physical materials

Domestic publications
Foreign publications in Japanese language

Non-Japanese foreign publications,
old Japanese books, rare materials,
doctoral dissertations, etc.

Digital resources

E-books, e-journals
acquired by the NDL

Japanese National Bibliography

1. Japanese National Bibliography and NDL Collections

Bibliographic data

	FY2023	created	cumulative
Books (Japanese)		122,744	5,636,375
Magazines (Japanese)		1,696	179,547
Newspapers (Japanese)		138	29,126
Video recordings		4,744	187,929
Sound recordings		8,592	698,143
Cartographic materials		4,162	308,980
Notated music		2,162	21,481

Authority data

	FY2023	created	cumulative
Persons		17,949	1,009,166
Families		29	2,766
Corporate bodies		3,406	234,957
Places		513	36,467
Uniform titles		82	5,560
Works		158	633
Topical terms		2,963	145,920
Genre/Form terms		0	9

1. Japanese National Bibliography and NDL Collections

Bibliographic and authority data created by the NDL

- ✓ Available for anyone
- ✓ At no charge, whether the purpose of use is commercial or non-commercial



On the use of NDL bibliographic data (incl. authority data), please refer to:

- Site Policy <https://www.ndl.go.jp/en/sitepolicy/index.html>
- Using Bibliographic Data
<https://www.ndl.go.jp/en/use/metadata/index.html>

2. Linked Open Data at Web NDL Authorities

Web NDL Authorities

国立国会図書館典拠データ検索・提供サービス

<https://id.ndl.go.jp/auth/ndla>

by keyword | by classification | by authority ID

Enter your search keyword

All Name Topical Name Genre/Form Term

Web NDL Authorities is a service that allows you to search and download authority data created by the National Diet Library, Japan.

Search Keyword Example

 [与謝野晶子](#)  [Genji monogatari](#)  [Internet](#)  [Manga](#)

You can also search for bibliographic records of the NDL Search via Web NDL Authorities.

- [About Web NDL Authorities](#)
- [How to Use Web NDL Authorities](#) (link to the National Diet Library Website)

Number of Authority Data Records (As of 2024-11-01)

- (1) Name Authority
 - personal name (1,019,669)
 - family name (2,793)
 - corporate body name (236,761)
 - geographic name (36,752)
 - uniform title (5,623)
 - work (699)
- (2) Topical Term (147,274)
- (3) Genre/Form Term (9)

Enables **searching** and **downloading** authority data created by the NDL.

JNB data for physical materials frequently links some authority data.

Domestic publications
Foreign publications in Japanese

2. Linked Open Data at Web NDL Authorities

Web NDL Authorities

国立国会図書館典拠データ検索・提供サービス

鳥山, 明, 1955-2024

ID	00123429
Type of Authority skos:inScheme	Personal Names
Name / Title xl:prefLabel	鳥山, 明, 1955-2024
Katakana Transcription of Name / Title ndl:transcription@ja-Kana	トリヤマ, アキラ, 1955-2024
Roman Transliteration of Name / Title ndl:transcription@ja-Latn	Toriyama, Akira, 1955-2024
Variant Name(s) / Title(s) xl:altLabel	トリヤマ, アキラ とりやま, あきら

Online Services at the NDL

You can search NDL bibliographic records for the following headings:

Author
Subject

Integrated and relaunched January 2024



<https://ndlsearch.ndl.go.jp/en/>

20 results per page | List | Title (descend) | Group by title

Teckna Manga! / Akira Toriyama, Akira Sakuma ; [översättning, Michelle Jernberg]. Svensk udg., 1:a uppl.
Paper 図書 児童書
Carlsen Comics | c2003. <Y16-B3>
Author Heading (ID) 00123429 00106250

Sandland / av Akira Toriyama ; översättning, Simon Lundström. (Manga)
Paper 図書 児童書
Bonnier Carlsen | 2005. <Y16-B158>

Authorities | Links from detailed bibliographic data

National Diet Library | Other Libraries in Japan

Download bibliographic data

2. Linked Open Data at Web NDL Authorities

Web NDL Authorities

国立国会図書館典拠データ検索・提供サービス

小俣ラポー, 日登美

ID	032747360
Type of Authority <small>skos:inScheme</small>	Personal Names
Name / Title <small>xl:prefLabel</small>	小俣ラポー, 日登美
Katakana Transcription of Name / Title <small>ndl:transcription@ja-Kana</small>	オマタ ラポー, ヒトミ
Roman Transliteration of Name / Title <small>ndl:transcription@ja-Latn</small>	Omata Rapo, Hitomi
Variant Name(s) / Title(s) <small>xl:altLabel</small>	Omata Rappo, Hitomi
Field of Activity <small>rda:fieldOfActivityOfThePerson</small>	キリスト教史
Biographical Information	大学教員
Related Links <small>skos:exactMatch</small>	0000-0002-5022-2256 (ORCID) ; 90835810 (KAKEN) ; NDL 032747360 (VIAF)

ORCID

Connecting research and researchers

KAKEN Researcher

Grants-in-Aid for Scientific Research Database

Japanese Gov't's Grants-in-Aid for Scientific Research Database by the National Institute of Informatics

VIAF

Virtual International Authority File

2. Linked Open Data at Web NDL Authorities

Web NDL Authorities

国立国会図書館典拠データ検索・提供サービス

紫式部, 平安中期

Personal Name

ID	00270993
Type of Authority skos:inScheme	Personal Names
Name / Title xl:prefLabel	紫式部, 平安中期
Katakana Transcription of Name / Title ndl:transcription@ja-Kana	ムラサキ シキブ, ヘイアン チュウキ
Roman Transliteration of Name / Title ndl:transcription@ja-Latn	Murasaki Shikibu, Heian Chuki
Variant Name(s) / Title(s) xl:altLabel	Murasaki Shikibu, Heian Chuki Murasaki Shikibu, Heian Chuki Murasaki Shikibu, Heian Chuki
Biographical Information rda:biographicalInformation	女

Related Links:
523091(KOKUSHO)



Union Catalogue Database of Japanese Texts

The search portal for the world's largest database of premodern Japanese texts by the National Institute of Japanese Literature

源氏物語

Work

ID	00633493
Type of Authority skos:inScheme	Works
Name / Title xl:prefLabel	源氏物語
Katakana Transcription of Name / Title ndl:transcription@ja-Kana	ゲンジ モノガタリ
Roman Transliteration of Name / Title ndl:transcription@ja-Latn	Genji monogatari
Variant Name(s) / Title(s) xl:altLabel	Genji monogatari
Creator(s) dct:creator	紫式部, 平安中期

Related Links:
2357(KOKUSHO)

2. Linked Open Data at Web NDL Authorities

- Using **URIs** assigned to all authority data
 - ✓ to make a link to search results
 - ✓ to get the detailed information in RDF/XML, etc.

```
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-
xmlns:rdag1="http://RDVocab.info/ElementsGr1/" xmlns:rda="http://RDVocab.info/ElementsGr2/" xmlns:rdaa="ht
xmlns:dct="http://purl.org/dc/terms/"
  <skos:Concept rdf:about="http://id.ndl.go.jp/auth/ndlna/00270993"
    <foaf:primaryTopic>
      <foaf:Person rdf:about="http://id.ndl.go.jp/auth/entity/00270993">
        <foaf:name>紫式部</foaf:name>
        <rda:biographicalInformation>女流文学者</rda:biographicalInformation>
      </foaf:Person>
    </foaf:primaryTopic>
    <dct:modified>2024-03-08T13:44:36</dct:modified>
    <dct:created>1993-06-25</dct:created>
  </skos:Concept>
  <xl:prefLabel>
    <rdf:Description>
      <xl:literalForm>紫式部, 平安中期</xl:literalForm>
      <ndl:transcription xml:lang="ja-Latn">Murasaki Shikibu, Heian Chuki</ndl:transcription>
      <ndl:transcription xml:lang="ja-Kana">ムラサキ シキブ, ハイアン チュウキ</ndl:transcription>
    </rdf:Description>
  </xl:prefLabel>
  <rdfs:label>紫式部, 平安中期</rdfs:label>
  <xl:altLabel>
    <rdf:Description>
      <xl:literalForm>Мурасаки Сикибу</xl:literalForm>
      <ndl:transcription xml:lang="ja-Latn">Murasaki Sikibu</ndl:transcription>
    </rdf:Description>
  </xl:altLabel>
```

<https://id.ndl.go.jp/auth/ndlna/00270993.rdf>

- Individual **Data Download**:

Other formats

[RDF/XML format](#),
[RDF/Turtle format](#),
[JSON-LD format](#)

- Bulk **Data Download**:
RDF/XML, TXT format
(Subject headings (NDLSH),
Genre/Form Terms (NDLGFT) only)

※ Name authority data in MARC 21
format is available on
JAPAN/MARC(A)

https://www.ndl.go.jp/jp/data/data_service/jnb_product.html#jma

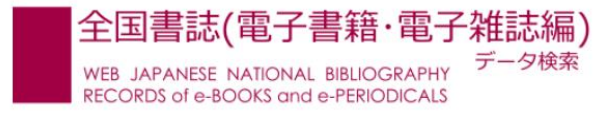
3. Conclusion



specific search pages:



Web Japanese National Bibliography



Web JNB Records of e-books and e-periodicals

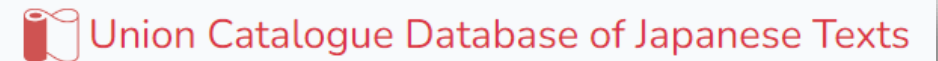
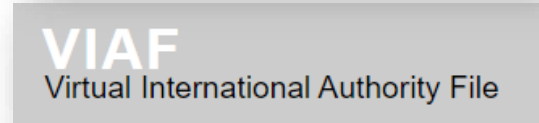


Web NDL Catalog



BIB Records of e-books and e-periodicals Published in Japan

Web NDL Authorities
国立国会図書館典拠データ検索・提供サービス



NDL Search and Web NDL Authorities have **links** to each other.

Web NDL Authorities has **links** to various external DB. These **links** are based on **identifiers** recorded in bibliographic and authority data.

…and more!!

3. Conclusion

田中, 喜代志	Tanaka, Kiyoshi
田中, 清	Tanaka, Kiyoshi
田中, 清司	Tanaka, Kiyoshi
田中, 清志	Tanaka, Kiyoshi
田中, 潔	Tanaka, Kiyoshi

Japanese names sometimes have the same characters but different pronunciations/different characters but the same pronunciation.

If bibliographic and authority data have **URI**, it is much easier to show relationships with other data than to do it using characters + pronunciations.

The NDL continues trying to provide various kinds of **links** based on **identifiers**.



Thank you for your attention!

NDL Website Home >
Making and Providing Bibliographic Data
<https://www.ndl.go.jp/en/data/index.html>

