Linked Open Japanese National Bibliography

The New NDL Search and Web NDL Authorities

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MURAKAMI Kazue
National Diet Library, Japan
kazue-m@ndl.go.jp

国立国会図書館
National Diet Library, Japan

Presentation topics:

1. Japanese National Bibliography and NDL Collections

2. Linked Open Data at Web NDL Authorities

3. Conclusion

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1. Japanese National Bibliography and NDL Collections

NDL Collections

Physical materials

Digital resources

Domestic publications
Foreign publications in Japanese language

E-books, e-journals acquired by the NDL

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

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

https://www.ndl.go.jp/jp/data/basic_policy/statistics/index.html

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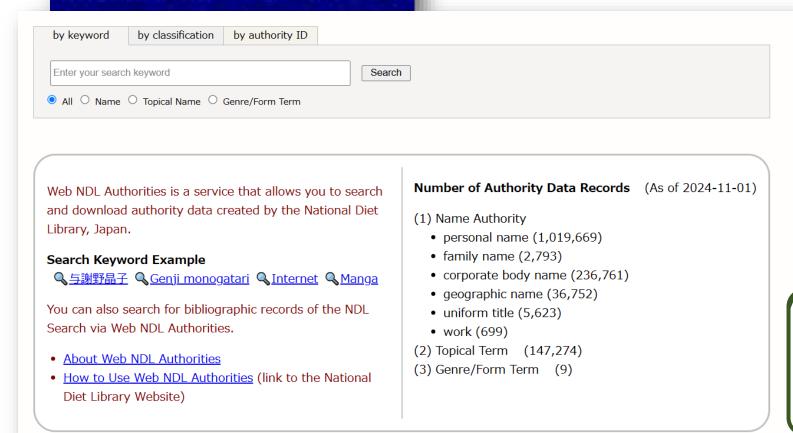- Site Policy   https://www.ndl.go.jp/en/sitepolicy/index.html
- Using Bibliographic Data
           https://www.ndl.go.jp/en/use/metadata/index.html

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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   [Search]

● 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)
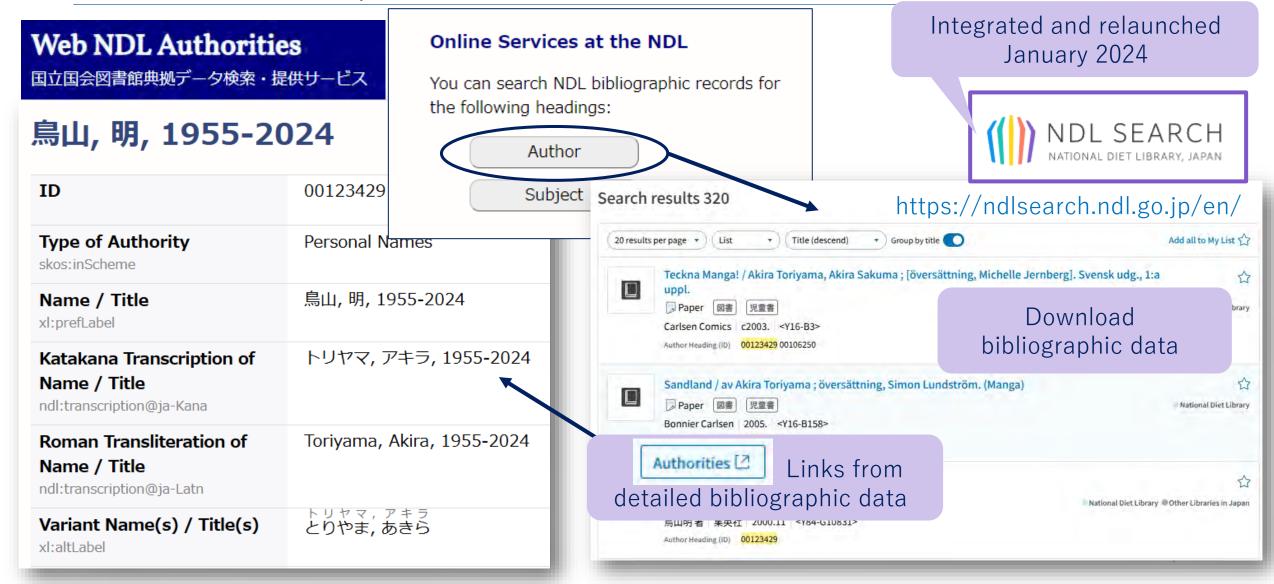
Enables searching and downloading authority data created by the NDL.

JNB data for physical materials frequently links some authority data.

Domestic publications
Foreign publications in Japanese

2. Linked Open Data at Web NDL Authorities

Integrated and relaunched January 2024

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

Download bibliographic data

Links from detailed 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 skos:inScheme	Personal Names
Name / Title xl:prefLabel	小俣ラポー, 日登美
Katakana Transcription of Name / Title ndl:transcription@ja-Kana	オマタ ラポー, ヒトミ
Roman Transliteration of Name / Title ndl:transcription@ja-Latn	Omata Rapo, Hitomi
Variant Name(s) / Title(s) xl:altLabel	Omata Rappo, Hitomi
Field of Activity rda:fieldOfActivityOfThePerson	キリスト教史
Biographical Information	大学教員
Related Links skos:exactMatch	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 Govt'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	Мурасаки Сикибу: Zi shi bu; Murasaki Šiki... Si...
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 monoga...
Creator(s) dct:creator	紫式部, 平安中...

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:rdagl="http://RDVocab.info/ElementsGr1/" xmlns:rda="http://RDVocab.info/ElementsGr2/" xmlns:rdaa="htt
 xmlns:dct="http://purl.or/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>
  ▼<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, ヘイアン 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

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
NATIONAL DIET LIBRARY, JAPAN

specific search pages:

全国書誌データ検索
WEB JAPANESE NATIONAL BIBLIOGRAPHY
Web Japanese National Bibliography

全国書誌(電子書籍・電子雑誌編) データ検索
WEB JAPANESE NATIONAL BIBLIOGRAPHY RECORDS of e-BOOKS and e-PERIODICALS
Web JNB Records of e-books and e-periodicals

国立国会図書館 蔵書目録データ検索
WEB NDL CATALOG
Web NDL Catalog

国内の電子書籍・電子雑誌 書誌データ検索
BIBLIOGRAPHIC RECORDS of e-BOOKS and e-PERIODICALS PUBLISHED in JAPAN
BIB Records of e-books and e-periodicals Published in Japan

ORCiD
Connecting research and researchers

KAKEN Researcher
Grants-in-Aid for Scientific Research Database

VIAF
Virtual International Authority File

Union Catalogue Database of Japanese Texts

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.

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National Diet Library, Japan

Thank you for your attention!

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

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National Diet Library, Japan