The Use of Digital Object Identifiers in the National Diet Library Digital Collections

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The National Diet Library (NDL)

Preserve collections

Legal Deposit System

Provide

Japanese publications
(Books, Journals, etc.)

Users
Main topic of this presentation

The NDL’s DOI assignment
Overview

1. Role of the NDL in the operation of the Japan Link Center
2. Assignment of DOI’s to the NDL Digital Collections
3. Access log analysis of the DOI assigned NDL contents
4. Issues and future plans
5. Conclusion
1. Role of the NDL in the operation of the Japan Link Center
• The only Japanese RA for DOI
• Since 2012
• Assigned approximately 2.5 million JaLC DOI’s
JaLC governing body

Japan Science and Technology Agency

National Institute of Informatics

National Institute for Materials Science

National Diet Library
Connecting Japan  
～Lasting Access～  

Japan Link Center - Strategy 2017-2022

• Promote open use of DOI and metadata.
• Develop an environment for registering DOI which while retaining international coordination makes full use of a diversity of Japanese academic resources, academic environment, and language.
• Build an environment for assigning IDs to a variety of resources needed in academia.
• Promote the use of research data and contribute to implementing Open Science.
• Contribute to fostering communities.
Why the NDL participates in the JaLC

• Expand the range of materials to which DOI’s are assigned
What the NDL does in the JaLC

• Formulate business plans and registration policies
• Promote the use of DOI’s
• Assign DOI’s to “the National Diet Library Digital Collections”
2. Assignment of DOI’s to the NDL Digital Collections
The NDL Digital Collections
<table>
<thead>
<tr>
<th>Material Types</th>
<th>Number of contents in the NDL Digital Collections*</th>
<th>Number of contents assigned DOI’s*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Materials digitized by the NDL</td>
<td></td>
<td></td>
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<tr>
<td>Books**</td>
<td>2,660,000</td>
<td>235,000</td>
</tr>
<tr>
<td>Periodicals**</td>
<td>2,250,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Rare Books and Old Materials</td>
<td>90,000</td>
<td>90,000</td>
</tr>
<tr>
<td>Doctoral Dissertations</td>
<td>140,000</td>
<td>140,000</td>
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<tr>
<td>Others</td>
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<td>(2) Online publications collected by the NDL**</td>
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<tr>
<td></td>
<td>1,030,000</td>
<td>6,000</td>
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<tr>
<td>Total</td>
<td>3,690,000</td>
<td>241,000</td>
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</table>

* The figures in this table are expressed as round numbers.
** We assign DOI’s to items published by the NDL.
Features of assigning DOI’s by the NDL

Rare Books and Old Materials

Doctoral Dissertations
# Rare Books and Old Materials

## Identifying the materials

### Yama no sachi

Edited by SEKIJUKAN Shukoku, Illustrations by KATSUMA Ryosui (Ryusui), Published in 1765

<table>
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<tr>
<th></th>
<th>NDL’s collection A</th>
<th>NDL’s collection B</th>
<th>Museum of Fine Arts Boston’s collection</th>
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Doctoral Dissertations
Cooperation with universities in assigning DOI’s

https://doi.org/10.11501/3063585

‘multiple resolution’ system

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<tr>
<td>国立国会図書館/National Diet Library</td>
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<tr>
<td>機関リポジトリ/Institutional Repository</td>
<td>2017/05/10</td>
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University’s website
The NDL Digital Collections
Details of DOI’s

https://doi.org/10.11501/9369444

3. Access log analysis of the DOI assigned NDL contents
Total access to the NDL contents via DOI’s

Dec. 2015 - Jul. 2017

(including access by Bots)

Start of assigning DOI’s
Comparison of the average numbers of accesses per month

The most accessed content through DOI’s during Dec. 2015 – Jul. 2017

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<th>3. Via Journal website URI’s</th>
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<td></td>
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</tbody>
</table>
4. Issues and future plans
• Issue 1: Limited use of DOIs
→ Plan 1: Cooperating with JaLC board members to promote the use of DOIs and enhance the aggregation and reuse of metadata

• Issue 2: Insufficient usage tracking functions in the current JaLC system
→ Plan 2: Sharing the issue with the other JaLC members and give suggestions on system improvements
Good outcome of adopting DOI’s

• Advanced organization-wide communications
• Inspired interest in how to manage digital objects
5. Conclusion
As a national library

The NDL will establish best practices of implementation of international standards as is the case in DOI’s implementations.
Thank you for your attention!
Feel free to ask any questions.

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References


