NDL’s Digital Collection and Service for Information Access

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NDL’s Digital Collection and Service for Information Access

1 Introduction
2 Construction of Digital Collection
3 Access to Digital Collection
4 Great East Japan Earthquake Archive
5 Provision of Bibliographic data
1 Introduction

Mission and Objectives 2012-2016


Our Mission

The National Diet Library extensively collects and preserves publications and other materials/information from inside and outside the country as a knowledge base and cultural infrastructure; assists the Diet and provides library services to the executive and judicial branches and the public; supports the creativity of the nation and contributes to the development of democracy.
1 Introduction

Objectives 2012-2016

Objective 1: Support to the Diet
Objective 2: Acquisition and Preservation
Objective 3: Information Access
Objective 4: Collaboration and Cooperation
Objective 5: Archives of the Great East Japan Earthquake
Objective 6: Administration
NDL’s Digital Collection and Service for Information Access

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## 2 Construction of Digital Collection

Digitization of the NDL’s collection

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998</td>
<td>Began with the rare books and old materials</td>
</tr>
<tr>
<td>2000</td>
<td>“Rare Books Image Database”</td>
</tr>
<tr>
<td>2002</td>
<td>“Digital Library from the Meiji Era”</td>
</tr>
<tr>
<td>2009</td>
<td>The Copyright Act was amended without permission of the rights holders</td>
</tr>
</tbody>
</table>

The Budget (12.7 billion yen)
## 2 Construction of Digital Collection

### Current state of digitization of the NDL’s collection

<table>
<thead>
<tr>
<th>Category</th>
<th>In Library (thousand)</th>
<th>Internet (thousand)</th>
<th>Total (thousand)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rare Books &amp; Old Materials</td>
<td>20</td>
<td>70</td>
<td>90</td>
</tr>
<tr>
<td>Japanese Books</td>
<td>550</td>
<td>340</td>
<td>890</td>
</tr>
<tr>
<td>Japanese Periodicals</td>
<td>1,045</td>
<td>5</td>
<td>1,050</td>
</tr>
<tr>
<td>Doctoral Dissertations</td>
<td>125</td>
<td>15</td>
<td>140</td>
</tr>
<tr>
<td>Official Gazettes</td>
<td></td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,780</strong></td>
<td><strong>470</strong></td>
<td><strong>2,250</strong></td>
</tr>
</tbody>
</table>
2 Construction of Digital Collection

Web archiving

2002.11 WARP: the Web Archiving Project
    with permission of copyright holders

2009.7 National Diet Library Law amended

↓

2010.4 Public sector websites
    without permission
    for long-term preservation
2 Construction of Digital Collection

Transition of the accumulated amount of the harvested data

- Accumulated amount of the harvested data (GB)
- Accumulated total of the harvested data
2 Construction of Digital Collection

Collection of digital books and periodicals

2012.6 National Diet Library Law amended
   → obliged publishers to deposit their digital
(2013.7) publications with the NDL
2013.4 Ministerial Ordinance on Degrees amended
   → doctoral dissertations must be published through the Internet
   NDL collects them as digital materials.
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3 Access to Digital Collection

Provision of digitized collection
  Copyright clearance
  470 thousand materials on the Internet
Archiving websites
  7,466 websites
  231TB of data volume
3 Access to Digital Collection

NDL Digitized Contents

http://dl.ndl.go.jp/?__lang=en
3 Access to Digital Collection

WARP

http://warp.da.ndl.go.jp/

Publications collected from the Internet (Internet Resources)

http://dl.ndl.go.jp/?__lang=en#internet
3 Access to Digital Collection

NDL Search

http://iss.ndl.go.jp/?locale=en

Integrated search service

73 million document data

205 databases

NDL, academic research institutions, public libraries, special libraries, archives, museums and other organizations
3 Access to Digital Collection

Function: NDL Search
  Multilingual translation function
    English, Chinese, Korean
  RSS feeds
  API provided
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4 Great East Japan Earthquake Archive

The Great East Japan Earthquake on March 11, 2011

NDL Great East Japan Earthquake Archive Project

‘Hinagiku’ acronym

Hybrid Infrastructure for National Archive of the Great Japan Earthquake and Innovative Knowledge Utilization
4 Great East Japan Earthquake Archive

Basic Concept of ‘Hinagiku’

1. To fulfill the responsibility of national institutions to collect, preserve and provide access to records related to the Great East Japan Earthquake

2. To coordinate with public and private organizations in collecting and preserving records related to the Great East Japan Earthquake

3. To share records domestically and internationally, and pass them down to future generations
Content of ‘Hinagiku’

Target: subject
the Earthquake and its damage
the affected areas before & after the disaster
support activity both by public & private sectors
disaster planning before & after the disaster
the nuclear hazard caused by the disaster
earthquakes and tsunami in the past
domestic and overseas attitudes to the disaster
4 Great East Japan Earthquake Archive

Content of ‘Hinagiku’

Target: format

Books, journals, newspapers etc.
Reports, research papers, news
Websites of public & private organizations
Pictures, videos and sound (interviews etc.)
Fact data (observed data, geodetic data etc.)
4 Great East Japan Earthquake Archive

Utilization of ‘Hinagiku’
- Released in March 2013
- User-friendly interface
  - Map display
  - Time line display

Data supply problem of ‘Hinagiku’
- much personal information
- data inappropriate for public access
4 Great East Japan Earthquake Archive

‘Hinagiku’ available on the Net

http://kn.ndl.go.jp/?language=en
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Traditional service

“Japanese National Bibliography (JNB)”

≈2007 printed version

2002≈2011 html version

JAPAN/MARC

1981≈ MARC for JNB

NDL-OPAC Online Public Catalogue of NDL
5  Provision of Bibliographic data

New service
NDL-OPAC
Download service
of JNB data
of newly added (in process) JNB data
Download format
MARC21 format
Text format
5  Provision of Bibliographic data

New service

NDL Search
  Provision of bibliographic data of NDL holdings
Provision of JNB data
Part of Online Resources of JNB (in future)
RSS feed (including JNB)
Automatic data provision through API
5 Provision of Bibliographic data

New service

Web NDL Authorities
Name Authority data
NDL Subject Headings (NDLSH) data

http://id.ndl.go.jp/auth/ndla
5  Provision of Bibliographic data

Web NDL Authorities: Number of the records

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Name</td>
<td>790,176</td>
</tr>
<tr>
<td>Family Name</td>
<td>2,180</td>
</tr>
<tr>
<td>Corporate Name</td>
<td>184,955</td>
</tr>
<tr>
<td>Uniform Title</td>
<td>3,989</td>
</tr>
<tr>
<td>Geographic Name</td>
<td>27,476</td>
</tr>
<tr>
<td>NDLSH Topical Term (Incl. Topical + Subdivision)</td>
<td>101,919</td>
</tr>
<tr>
<td>NDLSH Subdivision</td>
<td>323</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,111,018</strong></td>
</tr>
</tbody>
</table>

as of March 2013
5 Provision of Bibliographic data

Web NDL Authorities: Features

  URI for each of the headings
  Download of each datum in RDF
  Download of all NDLSH data
  Search using the SPARQL
  Links to VIAF, LCSH and Wikipedia
5 Provision of Bibliographic data

International Provision of data

OCLC: Bibliographic data

2010～ JAPAN/MARC (M) 4.5 million records

2013 JAPAN/MARC (S) 150 thousand records

2013 Japanese Periodicals Index 10.9 million records (in future)

Updated every month
5 Provision of Bibliographic data

International Provision of data

VIAF : Authority data

2012 Participation

Provided one million authority data

Updated every month

Linked from Web NDL Authorities
NDL’s Digital Collection and Service for Information Access

Thank you for your attention!