The Possibility of Networked Electronic Theses in Japan
- before & after April, 2013 -

Satoshi Nakayama (University of Tsukuba Library)
Takayuki Manaka (University of Tsukuba Library)
Makoto Shuto (Ministry of Education, Culture, Sports, Science and Technology (MEXT))

2013/09/25 ETD 2013 Hong Kong
1. Number of Universities, Doctoral Theses, and Institutional Repositories

2. Open Access Initiative on Doctoral Theses by Government

3. Activities of the IR Community as Infrastructure

4. Advantages in the formation of Networked Electronic Theses in Japan

5. Effects on Open Access and Expansion of the IR Community in Japan
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### Universities in Japan

<table>
<thead>
<tr>
<th>Type</th>
<th># of Universities</th>
<th>Doctoral Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>National</td>
<td>86</td>
<td>77</td>
</tr>
<tr>
<td>Public</td>
<td>92</td>
<td>56</td>
</tr>
<tr>
<td>Private</td>
<td>605</td>
<td>303</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>783</strong></td>
<td><strong>436</strong></td>
</tr>
</tbody>
</table>

Number of Universities and those with doctoral programs (2012)

Institutional Repositories in Japan

Changes in Number of Organizations (from FY2007)²)

Organizations having an IR³)

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007/03</td>
<td>57</td>
</tr>
<tr>
<td>2008/03</td>
<td>102</td>
</tr>
<tr>
<td>2013/03</td>
<td>351</td>
</tr>
</tbody>
</table>

Institutional Repositories in Japan

Content growth (Full text)

2008/03
191,433

2013/03
1,136,508

4) http://irdb.nii.ac.jp/analysis/index_e.php
Institutional Repositories in Japan

Theses or Dissertations (% of Total Contents)

2008/03
16,628 (8.7%)

2013/03
48,371 (4.3%)
Changes in IRs in Japan

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of IRs</th>
<th>Number of All Contents</th>
<th>Number of ETD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008/03</td>
<td>102</td>
<td>191,433</td>
<td>16,628</td>
</tr>
<tr>
<td>2013/03</td>
<td>351</td>
<td>1,136,508</td>
<td>48,371</td>
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15,000 theses/year
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Key Point of Revised Degree Regulations

A person who has been conferred a doctor’s degree shall publicise the entire thesis within one year.

A person who has been conferred a doctor’s degree shall publicise the entire thesis via the Internet within one year.
Open Access Initiative on Doctoral Theses by Government

Before 2013/04
Entire thesis (Print) in each University Library and NDL

Doctoral degree graduate

University

Library

National Diet Library (NDL)
Open Access Initiative on Doctoral Theses by Government

After 2013/04

Entire thesis (ETD) in each University Library and NDL

Doctoral degree graduate

University

Library

metadata

via the Internet

Full text

metadata

metadata

metadata

Full text

metadata

Full text

metadata

metadata

National Institute of Informatics (NII)

National Diet Library (NDL)

junii2
Open Access Initiative on Doctoral Theses by Government

“via the Internet” means…

15,000 theses/year

= via IRs
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Activities of the IR Community as Infrastructure

The Largest Community in Japan

Digital Repository Federation (DRF)

DRF Home page\(^5\)) and DRF Monthly\(^6\))

Activities of the IR Community as Infrastructure

Workshops and Training Courses for IR Managers

Workshop
- National WS: 9 times
- Regional WS: 19 times
- Technical WS: 8 times
- Subject WS: 4 times, etc.

Training Course
- IR construction
- How to gather contents
- Copyright treatment
- Metadata
- Contents registration
- Presentation demo, etc.

Support Information about ETD by DRF-WG

- Points of revised degree regulation
- To-do list for organizations
- To-do list for libraries and IRs
- FAQ, etc.
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Advantages in the formation of Networked Electronic Theses in Japan

Metadata Harvesting by NII

11) http://www.nii.ac.jp/irp/archive/system/junii2.html
12) http://jairo.nii.ac.jp/
13) http://ci.nii.ac.jp/
Advantages in the formation of Networked Electronic Theses in Japan

junii2 version up (ver.3)

<table>
<thead>
<tr>
<th>junii2 metadata Element</th>
<th>Description</th>
<th>ETD-MS metadata element</th>
</tr>
</thead>
<tbody>
<tr>
<td>grantid</td>
<td>degree id number</td>
<td>thesis.degree.level</td>
</tr>
<tr>
<td>dateofgranted</td>
<td>date degree granted</td>
<td>-</td>
</tr>
<tr>
<td>dregreenname</td>
<td>degree level (=doctorate)</td>
<td>thesis.degree.name</td>
</tr>
<tr>
<td></td>
<td>degree discipline</td>
<td>thesis.degree.discipline</td>
</tr>
<tr>
<td>grantor</td>
<td>grantor(=organization name)</td>
<td>thesis.degree.grantor</td>
</tr>
</tbody>
</table>

junii2 (ver.3) and ETD-MS (ver.1.1)\(^{14}\)

14) http://www.ndltd.org/standards/metadata/etd-ms-v1.1.html
Advantages in the formation of Networked Electronic Theses in Japan

Networked Electronic Theses

Harvesting

IRs

Users

Doctoral thesis

metadata

metadata

metadata

metadata

metadata

NDLTD

National Portal & Database

Japanese Institutional Repositories Online

CiNii Articles

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Need to Construct More IRs

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Organizations having an IR

351 (2013/03)
Effects on Open Access and Expansion of the IR Community in Japan

JAIRO Cloud

Example of shared IR system\textsuperscript{15)16)}

15) https://community.repo.nii.ac.jp/
16) http://weko.at.nii.ac.jp/
In the Future

Revised Degree Regulation

More IRs, More Managers, More Communities

Awareness of Researchers about Open Access

Power to Strengthen Open Access
Effects on Open Access and Expansion of the IR Community in Japan

National Movement toward OA

JST\textsuperscript{17})'s Policy on OA (2013/04)
- Promote OA
- Use IRs
- Cooperation with JSPS and NII

NII\textsuperscript{18}) JSPS\textsuperscript{19})

17) Japan Science and Technology Agency (JST) http://www.jst.go.jp/
18) National Institute of Informatics (NII) http://www.nii.ac.jp/
19) Japan Society for the Promotion of Science (JSPS) http://www.jsps.go.jp/
Thank you!!

Satoshi Nakayama
gon@tulips.tsukuba.ac.jp