<table>
<thead>
<tr>
<th>項目</th>
<th>内容</th>
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<tbody>
<tr>
<td>Title</td>
<td>京都大学学術情報リポジトリ KURENAI</td>
</tr>
<tr>
<td>Author(s)</td>
<td>ONISHI, Masato</td>
</tr>
<tr>
<td>Citation</td>
<td>(2010)</td>
</tr>
<tr>
<td>Issue Date</td>
<td>2010-12-03</td>
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<td>URL</td>
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<tr>
<td>Rights</td>
<td>© 2010 Kyoto University Library Network</td>
</tr>
<tr>
<td>Type</td>
<td>Presentation</td>
</tr>
<tr>
<td>Textversion</td>
<td>author</td>
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</table>

京都大学
Kyoto University Research Information Repository: KURENAI

Overview

- Introduction of Kyoto University
- Current status of IRs in Japan
- History of KURENAI
- Special contents
- Collecting contents
- Collaboration with other services
- Public relations
- Usage analytics
Introduction of Kyoto University - History

- 1897 Founded as Kyoto Imperial University.
- 1899 Kyoto Imperial University Library
- 1947 Renamed Kyoto University.
- 2004 Partially privatized as national university corporation.
- 2005 Kyoto University Library Network

Introduction of Kyoto University - Organizations

- Graduate Schools (17)
- Faculties (10)
- Research Institutes (14)
- Centers (27)
- Organizations (6) Library Network (2005-)
- Kyoto University Library

(as of 2010)
Introduction of Kyoto University - Campus

YOSHIDA (main)

KATSURA

INU YAMA (Primate Research Institute)

YOSHIDA <-> KATSURA : 16 km
YOSHIDA <-> UJI : 18 km

KUMATORI
(Reactor Research Institute)

UJI

OTSU
(Center for Ecological Research)

Introduction of Kyoto University - Statistics

★ University Staff
  ➢ Teaching Staff 2,868
  ➢ Non-teaching Staff 2,556
  ➢ Total 5,424

★ Students
  ➢ Undergraduates 13,473
  ➢ Graduates 9,314
  ➢ Total 22,787 (as of May 1, 2010)
Development of number of IRs in JAPAN

Dec. 2006 28IRs

Jun. 2010 183IRs

6 times!

Number of full-text items deposited in IRs in Japan

Oct-2007 737,643

April-2007 33,784

Source Data: NII Institutional Repositories Database Content Analysis
Number of items deposited in Japan IRs

NII Institutional Repositories Database Contents Analysis
[2010/10/31: Number of records ALL: 1,035,582, Full text 737,643]

<table>
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<tr>
<th>content types</th>
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<td>Thesis or Dissertation</td>
<td>49,743</td>
<td>54.4%</td>
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<tr>
<td>Departmental Bulletin Paper</td>
<td>455,162</td>
<td>86.6%</td>
</tr>
<tr>
<td>Conference Paper</td>
<td>59,206</td>
<td>18.6%</td>
</tr>
<tr>
<td>Presentation</td>
<td>8,801</td>
<td>32.5%</td>
</tr>
<tr>
<td>Book</td>
<td>18,660</td>
<td>47.3%</td>
</tr>
<tr>
<td>Technical Report</td>
<td>6,079</td>
<td>85.1%</td>
</tr>
<tr>
<td>Research Paper</td>
<td>17,396</td>
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</tr>
<tr>
<td>Article</td>
<td>39,499</td>
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<tr>
<td>Preprint</td>
<td>337</td>
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<tr>
<td>Learning Material</td>
<td>5,225</td>
<td>36.5%</td>
</tr>
<tr>
<td>Data or Dataset</td>
<td>13,587</td>
<td>99.0%</td>
</tr>
<tr>
<td>Software</td>
<td>8</td>
<td>25.0%</td>
</tr>
<tr>
<td>Others</td>
<td>121,068</td>
<td>92.3%</td>
</tr>
<tr>
<td><strong>SUM</strong></td>
<td><strong>1,035,582</strong></td>
<td><strong>71.2%</strong></td>
</tr>
</tbody>
</table>

Source Data: NII Institutional Repositories Database Content Analysis

History of KURENAI: 2006-2008

- 2006-2008
  - Selected a repository system “DSpace” [Mar 2006]
  - Test launched [Jun 2006]
  - Released officially [Oct 2006]
  - Presented the first seminar for IR [Dec 2006]
  - Developed the operation guidelines [Jan 2007]
  - Instituted a procedure for collecting dissertations (engineering) [Apr 2007]
  - Provided metadata to NII [Jun 2007]
  - Over 10,000 contents [Sept 2007]
  - Second seminar for IR [Oct 2007]
  - Collaborated with Kyoto University Press [Dec 2007]
  - Published the “IPS Cell” paper on KURENAI [Feb 2008]
  - Over 20,000 contents [Jul 2008]
  - Accessible from CiNii [Oct 2008]
  - Published “MANGA Kyoto University” on KURENAI [Oct 2008]
  - Published the “Nobel Prize in Physics 2008” paper on KURENAI [Oct 2008]
History of KURENAI: 2009-2010

★ 2009-2010

- Over 600,000 full-text downloads in 2008 [Jan 2009]
- Over 30,000 contents [Mar 2009]
- "Ranking Web of World Repositories" the 1st place in Japan, 24th place in the world [Jul 2009]
- Over 40,000 contents [Aug 2009]
- Retrospective digitization of 1,000 doctoral dissertations [Aug 2009]
- The 3rd SPARC Japan Seminar 2009 / DRFtech Kyoto [Sept 2009]
- Started collecting "Press release papers" [Sept 2009]
- Started "KURENAI update!" [Dec 2009]
- Relaunched KURENAI user interface [Jan 2010]
- Registered dissertation abstracts systematically [Jan 2010]
- Over 50,000 contents / Over 800,000 full-text downloads in 2009 [Feb 2010]
- Over 60,000 contents [Mar 2010]
- Over 70,000 contents [May 2010]
- Over 50,000 contents / Over 800,000 full-text downloads in 2009 [Feb 2010]
Number of full-text items deposited in KURENAI

Source Data: NII Institutional Repositories Database Content Analysis

Number of items deposited in KURENAI

NII Institutional Repositories Database Contents Analysis
[2010/10/31: Number of records ALL: 97,170, Full text 84,368]

<table>
<thead>
<tr>
<th>content types</th>
<th>Number of records</th>
<th>Ratio of full text</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>Thesis or Dissertation</td>
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<td>54.8%</td>
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<tr>
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<tr>
<td>Presentation</td>
<td>108</td>
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</tr>
<tr>
<td>Book</td>
<td>110</td>
<td>99.9%</td>
</tr>
<tr>
<td>Technical Report</td>
<td>1</td>
<td>100.0%</td>
</tr>
<tr>
<td>Research Paper</td>
<td>855</td>
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<tr>
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<tr>
<td>Preprint</td>
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<tr>
<td>Learning Material</td>
<td>8</td>
<td>100.0%</td>
</tr>
<tr>
<td>Data or Dataset</td>
<td>2</td>
<td>100.0%</td>
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<tr>
<td>Software</td>
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<td>Others</td>
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<td>100.0%</td>
</tr>
<tr>
<td>SUM</td>
<td>97,170</td>
<td>86.8%</td>
</tr>
</tbody>
</table>

Source Data: NII Institutional Repositories Database Content Analysis
Special Contents - Collaboration with Publisher

★ Collaborate with Kyoto University Press 京都大學學術出版會 in 2008

Special Contents - Famous Articles

★ The Nobel Prize in Physics 2008

- Dr. Toshihide Maskawa 益川敏英 (Professor Emeritus at Kyoto University)
- Dr. Makoto Kobayashi 小林誠 (Professor Emeritus at the High Energy Accelerator Research Organization)
- Their ‘Kobayashi-Maskawa Theory’ (1973)

★ iPS Cell

- Prof. Shinya Yamanaka 山中伸弥 and his team succeeded, for the first time in the world, in generating iPS cells derived from mouse cells in 2006.
- The generation of human iPS cells in 2007
Special Contents - MANGA Kyoto University

- Kyoto University and Kyoto Seika University MANGA Project
- Use MANGA to explain the research done at Kyoto University
  
  [link]

  - Japanese version
  - English version
  - Chinese version
  - Korean version

Collaborate with Graduate School of Engineering “Research DB”

1. Extract journal articles by KU authors from Web of Science every year
2. Check the records by laboratories
3. Request for permission
4. Check the publisher’s copyright policies in SHERPA/RoMEO and SCPJ*
5. Get publisher version from EJ, or author’s final version from author

* SCPJ (Society Copyright Policies in Japan)
  [link]
Collecting contents - Journal Articles

★ Newly published journal articles by KU researchers
   1. Extract journal articles by KU authors from Scopus every week
   2. Check the publisher’s copyright policies in SHERPA/RoMEO and SCPJ
   3. Request for permission
   4. Get publisher version from EJ, or author’s final version from author

★ High-impact papers
   1. Collect papers on press releases in collaboration with university's publicity office
   2. After deposit, add a link to University website

quickness and effective promotion

Collecting contents - Departmental Bulletin Papers

1. Library executes an agreement with the editor
2. Digitization
   ▶ Back issue: digitize print journal on library’s budget
   ▶ Current issue: collect electronic files from publisher
3. Copyright
   ▶ comprehensive permission
   ▶ individual permission

KURENAI as digital publisher
Collecting contents - Dissertations

★ Retrospective digitization project in 2007-2009
1. 35,000 doctoral dissertations
2. Authors with contact information: 3,373
3. Request for permission
4. Respondents: 1,300
5. Digitization: 1,000

★ Retrospective digitization project in 2010
- Collaborate with Alumni association of Department of Geosystem Engineering
- project under way

dissemination and reuse
Collecting contents - Dissertations

★ A procedure of comprehensive deposit to **KURENAI**
  - doctoral dissertations (engineering) [Apr 2007 - ]

- **Graduate Students**
  - application
  - electronic ver. / print ver.

- **Department**
  - collecting

- **Library**
  - repository

Collaboration with other services

★ Register "**KURENAI**" on IRs directories
  - Open Archive Initiative (OAI)
    - 2006-
    - http://www.openarchives.org/
  - NII(National Institute of Informatics) Current IRs in Japan
    - 2006-
  - Registry of Open Access Repositories (ROAR)
    - 2006/10-
    - http://roar.eprints.org/781/
  - Directory of Open Access Repositories (OpenDOAR)
    - 2007/06-
    - http://www.opendoar.org
Collaboration with other services

- Provide metadata to service providers
- Accessible through search engine

Data provider

Google

KURENAI

Crawling

Crosswalk

Service provider

AIRway

CINii

JAIRø

OAI-PMH

Jumi2

OAI-PMH

OAI-ORE

KURENAI

SCI-IJS

WorldCat

OAIster

Crosswalk/measure

To get the detail of the each IRs

Narrow Search by content types

Organizations

Narrow Search by organizations
CiNii: NII Scholarly and Academic Information Navigator

Metadata integration of bibliographic databases

Identification Integration linking

National Institute of Informatics
Universities
Japan Science and Technology Agency
National Diet Library
Related institutions
Publisher

JSTAGE
Journal@rchive
Full text link

Journal Article Index database
Other

Public relations

* Attend IR events & make brochure, poster

Public relations

* Interview authors
* KURENAI update! (blog)
* Twitter
### Usage Analytics - Download Statistics (2008-2009)

![Graph showing download statistics from 2008 to 2009](image)

### Usage Analytics - Download Ranking 2009

<table>
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<tr>
<th>No</th>
<th>Type</th>
<th>Author</th>
<th>Title</th>
<th>Journal Title etc</th>
<th>Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Book</td>
<td>三重大学 - 京都機械大学マンガプロジェクト</td>
<td>MANGA Kyoto University</td>
<td></td>
<td>6,836</td>
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<tr>
<td>2</td>
<td>Bulletin</td>
<td>稲津, 隆弘</td>
<td>未来社会の技術動向 - バイブロッドの現状及今後</td>
<td>第42回神農学会第19回学会</td>
<td>2,533</td>
</tr>
<tr>
<td>3</td>
<td>Book</td>
<td>根本時代の出雲文学資料班</td>
<td>龍宮石刻資料選注</td>
<td>京都大学人文学術研究所</td>
<td>2,298</td>
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<td>5</td>
<td>Bulletin</td>
<td>向田, 萌子</td>
<td>人工関節全置換術(THR)術後の股関節脱臼について</td>
<td>京都大学医学部紀要</td>
<td>2,054</td>
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<td>6</td>
<td>Dissertation</td>
<td>川原村, 敏幸</td>
<td>ミストCVD法とその酸化亜鉛薄膜成長への応用に関する研究</td>
<td>博士(工学), 2008</td>
<td>1,819</td>
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<td>Book</td>
<td>藤松, 隆司</td>
<td>華苑記: 西洋近代思想史と明治日本 - 共同研究</td>
<td>吹雪書房, 1999</td>
<td>1,718</td>
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<td>8</td>
<td>Book</td>
<td>向田, 隆夫</td>
<td>「立花長」の研究: 中国コミットメントの興隆と衰退</td>
<td>京都大学出版会, 1997</td>
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<td>9</td>
<td>Conference</td>
<td>京都大学科学技術プログラム東アジア世界の人文情報学研究教育拠点</td>
<td>日中教育文化研究国際シンポジウム報告書</td>
<td>京都大学人文学術研究所, 2004</td>
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<td>Bulletin</td>
<td>根本, 隆司</td>
<td>朝の世界 (第17回健康科学公財団研究</td>
<td>京都大学医学部保健学科紀要, 健康科学, 1, 39-45</td>
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### Usage Analytics - Countries and regions

#### User’s source access countries for all repositories (2009)

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>ARRIDE</th>
<th>CRF</th>
<th>HUSCAP</th>
<th>KURENAI</th>
<th>QIR</th>
<th>Tulips-R</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Japan</td>
<td>Japan</td>
<td>Japan</td>
<td>Japan</td>
<td>Japan</td>
<td>Japan</td>
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</tr>
<tr>
<td>China</td>
<td>India</td>
<td>China</td>
<td>U.S</td>
<td>China</td>
<td>China</td>
<td>China</td>
<td>China</td>
</tr>
<tr>
<td>India</td>
<td>China</td>
<td>India</td>
<td>India</td>
<td>India</td>
<td>India</td>
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<td>India</td>
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<tr>
<td>U.K</td>
<td>Ukraine</td>
<td>Germany</td>
<td>U.K</td>
<td>Germany</td>
<td>Korea</td>
<td>Germany</td>
<td>Korea</td>
</tr>
<tr>
<td>France</td>
<td>Germany</td>
<td>Taiwan</td>
<td>Indonesia</td>
<td>Korea</td>
<td>Taiwan</td>
<td>France</td>
<td>France</td>
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<td>Malaysia</td>
<td>Iran</td>
<td>Korea</td>
<td>France</td>
<td>France</td>
<td>Germany</td>
<td>Korea</td>
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<td>Thailand</td>
<td>Saudi Arabia</td>
<td>France</td>
<td>Korea</td>
<td>Iran</td>
<td>France</td>
<td>Taiwan</td>
<td></td>
</tr>
<tr>
<td>Philippines</td>
<td>Canada</td>
<td>Canada</td>
<td>Taiwan</td>
<td>Taiwan</td>
<td>Iran</td>
<td>Indonesia</td>
<td></td>
</tr>
</tbody>
</table>

---

### Usage Analytics - Countries and regions

#### User’s source access regions for all repositories (excluding Japan) [2009]

<table>
<thead>
<tr>
<th>Region</th>
<th>ARRIDE</th>
<th>CRF</th>
<th>HUSCAP</th>
<th>KURENAI</th>
<th>QIR</th>
<th>Tulips-R</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia (without Japan)</td>
<td>9,382</td>
<td>5,591</td>
<td>62,063</td>
<td>158,504</td>
<td>54,873</td>
<td>21,305</td>
<td>311,718</td>
</tr>
<tr>
<td>Europe</td>
<td>3,818</td>
<td>3,175</td>
<td>40,815</td>
<td>66,012</td>
<td>28,422</td>
<td>8,583</td>
<td>150,825</td>
</tr>
<tr>
<td>North America</td>
<td>3,282</td>
<td>3,550</td>
<td>30,586</td>
<td>58,720</td>
<td>21,968</td>
<td>10,054</td>
<td>128,160</td>
</tr>
<tr>
<td>South America</td>
<td>356</td>
<td>540</td>
<td>5,950</td>
<td>7,651</td>
<td>3,324</td>
<td>770</td>
<td>18,591</td>
</tr>
<tr>
<td>Africa</td>
<td>934</td>
<td>676</td>
<td>5,387</td>
<td>15,715</td>
<td>5,766</td>
<td>1,543</td>
<td>30,021</td>
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<tr>
<td>Oceania</td>
<td>466</td>
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<td>3,108</td>
<td>6,179</td>
<td>2,801</td>
<td>642</td>
<td>13,551</td>
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<tr>
<td>Unknown</td>
<td>34</td>
<td>39</td>
<td>4,509</td>
<td>1,769</td>
<td>849</td>
<td>140</td>
<td>7,340</td>
</tr>
</tbody>
</table>

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Usage Analytics - Access path

Non-Japanese users access path to IRs (Average) [2009]

<table>
<thead>
<tr>
<th></th>
<th>Direct access</th>
<th>Through metadata page</th>
<th>Through search-engines</th>
<th>Through other pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARRIDE</td>
<td>9.3</td>
<td>3.9</td>
<td>9.0</td>
<td>36.8</td>
</tr>
<tr>
<td>CRF</td>
<td>5.1</td>
<td>0.8</td>
<td>44.6</td>
<td>0.5</td>
</tr>
<tr>
<td>HUSCAP</td>
<td>1.1</td>
<td>1.6</td>
<td>5.5</td>
<td>0.2</td>
</tr>
<tr>
<td>KURENAI</td>
<td>1.8</td>
<td>1.6</td>
<td>8.8</td>
<td>0.3</td>
</tr>
<tr>
<td>QIR</td>
<td>3.4</td>
<td>1.6</td>
<td>22.7</td>
<td>0.4</td>
</tr>
<tr>
<td>Tulips-R</td>
<td>2.1</td>
<td>0.4</td>
<td>10.8</td>
<td>5.5</td>
</tr>
</tbody>
</table>


Usage Analytics - Discipline

The relationship between articles’ fields and the number of access: KURENAI [2009]

<table>
<thead>
<tr>
<th></th>
<th>Non-Japanese Total</th>
<th>Asia</th>
<th>Europe</th>
<th>North America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Humanities</td>
<td>Avg.</td>
<td>41.0</td>
<td>24.4</td>
<td>7.9</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>Avg.</td>
<td>35.1</td>
<td>7.8</td>
<td>9.6</td>
</tr>
<tr>
<td>Science, Technology and Medicine</td>
<td>Avg.</td>
<td>9.0</td>
<td>4.4</td>
<td>2.1</td>
</tr>
<tr>
<td>Others</td>
<td>Avg.</td>
<td>46.5</td>
<td>22.7</td>
<td>12.2</td>
</tr>
</tbody>
</table>

京大の論文を世界へ発信！
http://repository.kulib.kyoto-u.ac.jp/