

# Institutional Repositories in Japan: an overview

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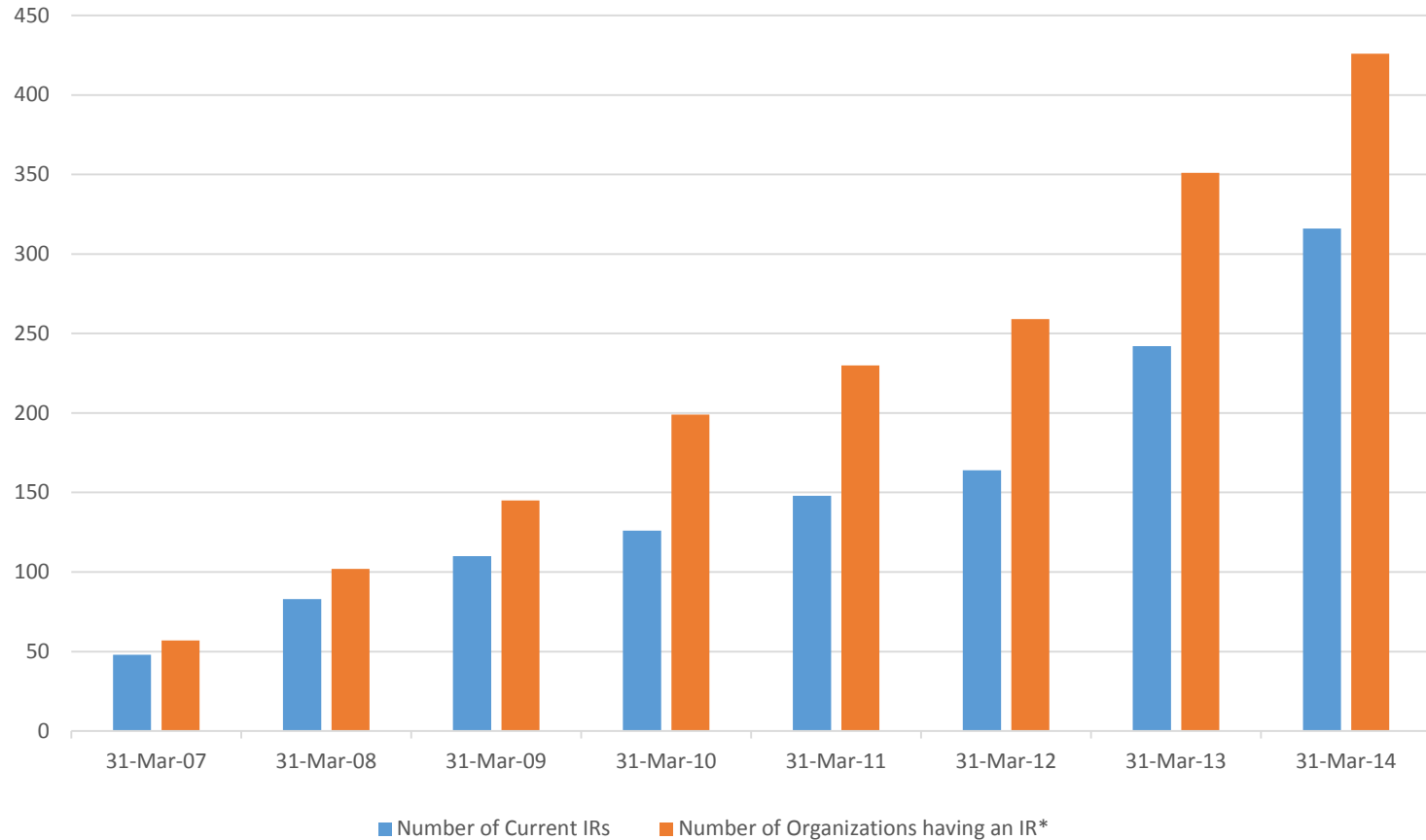
France/Japan Joint Meeting on Open Access  
Jan. 28, 2015

@French Embassy in Tokyo, Japan

# Agenda

- Current status of IRs in Japan
- MEXT's open access mandate for PhD theses
- Support program of National Institute of Informatics (NII)
- Digital Repository Federation (DRF) and Institutional Repository Promotion Committee
- Conclusion

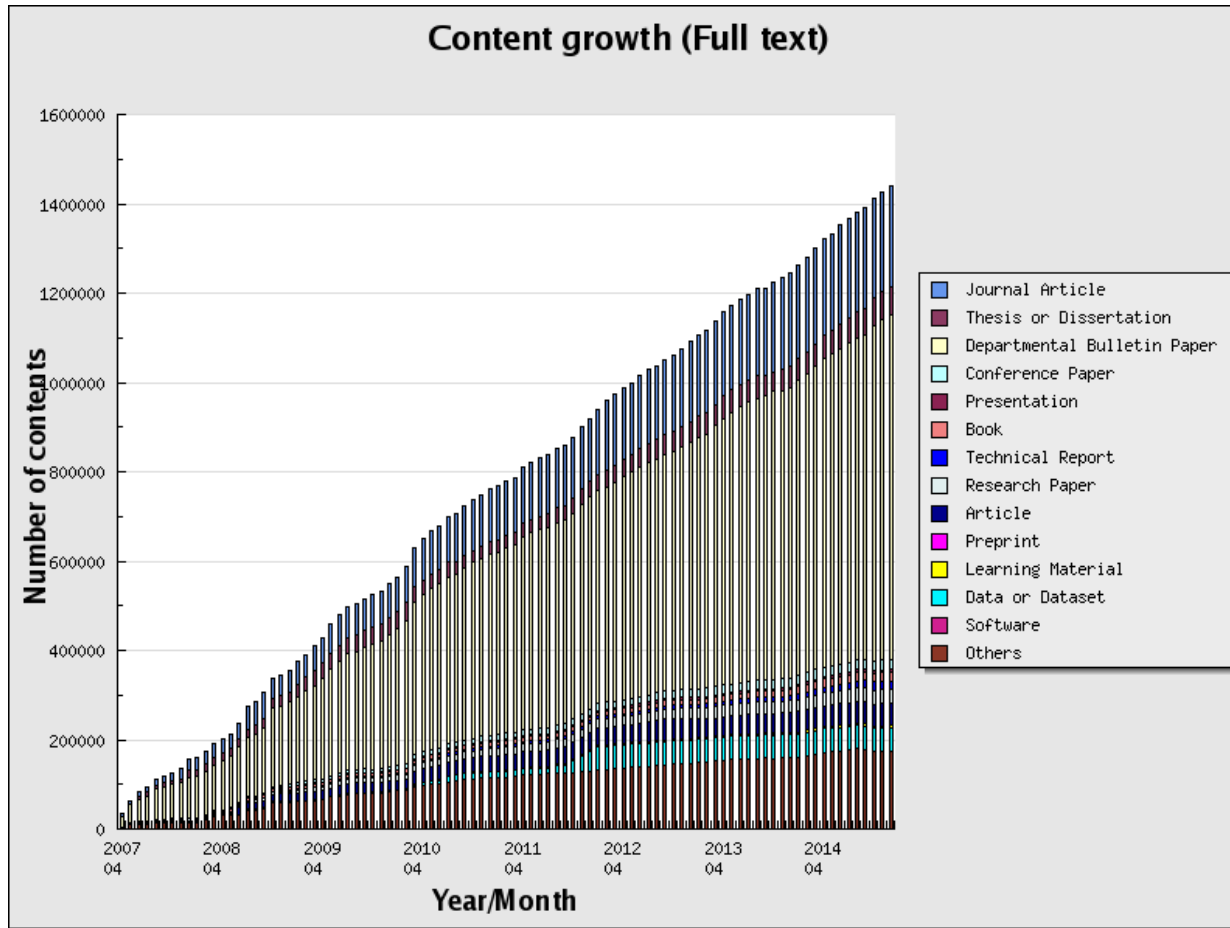
# Growth in the number of IRs in Japan



**Currently: 388**  
**(as of Jan. 2015)**

Source: NII Institutional Repositories Program  
[http://www.nii.ac.jp/irp/en/archive/statistic/irp\\_2014\\_statistic.html](http://www.nii.ac.jp/irp/en/archive/statistic/irp_2014_statistic.html)

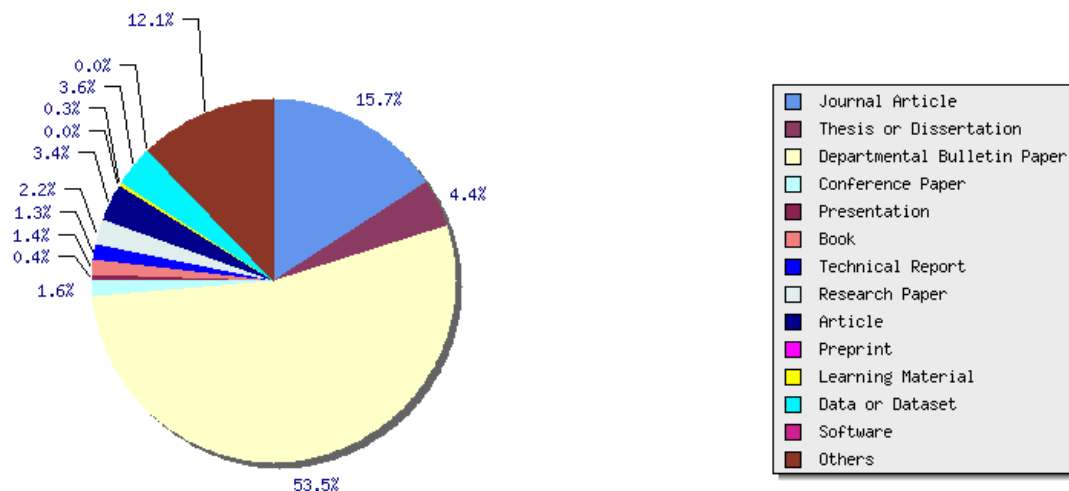
# Content growth



Source: NII Institutional Repositories Database Contents Analysis  
[http://irdb.nii.ac.jp/analysis/index\\_e.php](http://irdb.nii.ac.jp/analysis/index_e.php)

# Breakdown of content by resource type (ratio)

<a href="#">Journal Article</a>	226,641 (15.7%)
<a href="#">Thesis or Dissertation</a>	62,714 (4.4%)
<a href="#">Departmental Bulletin Paper</a>	770,761 (53.5%)
<a href="#">Conference Paper</a>	22,807 (1.6%)
<a href="#">Presentation</a>	5,619 (0.4%)
<a href="#">Book</a>	19,603 (1.4%)
<a href="#">Technical Report</a>	18,744 (1.3%)
<a href="#">Research Paper</a>	32,240 (2.2%)
<a href="#">Article</a>	49,368 (3.4%)
<a href="#">Preprint</a>	378 (0.0%)
<a href="#">Learning Material</a>	4,053 (0.3%)
<a href="#">Data or Dataset</a>	52,418 (3.6%)
<a href="#">Software</a>	29 (0.0%)
<a href="#">Others</a>	174,836 (12.1%)
SUM	1,440,211



Source: NII Institutional Repositories Database Contents Analysis  
[http://irdb.nii.ac.jp/analysis/index\\_e.php](http://irdb.nii.ac.jp/analysis/index_e.php)

# Characteristics of IR Content in Japan

- More than half are “Kiyo Ronbun (department bulletin papers)”
  - “Kiyo (Department bulletin)”
    - Most authors are the department faculty members
    - Edited and published by the department faculty
    - Cost to publish is covered by the department
    - Not for sale and small circulation
    - Peer review is sometimes loose and articles in it are not so highly regarded (especially in natural sciences)
- Journal articles’ deposit rate is generally low
  - No green OA mandate
- PhD theses begin to increase due to MEXT<sup>†</sup>’s mandate
  - † Ministry of Education, Culture, Sports, Science & Technology

# MEXT's open access mandate for PhD theses

- MEXT revised the decree and mandated open access to doctoral dissertations in March 2013
- The decree requires to publicize the entire thesis on the Internet within one year unless there is a special reason
- Theses are made publicly available through IRs of PhD awarding institutions
- National Diet Library (NDL) will harvest them from IRs (after Feb. 2015) and preserve them in electronic format

# Support program of National Institute of Informatics (NII)(1)

- NII played a pivotal role in the growth of IRs entrusting various projects to selected institutions (2004-2012)
- IR construction projects
  - 2004 The experimental project "Implementation of IR software" with 6 university libraries
  - 2005 The pilot project "introduction and operation of IR" commissioned to 19 university libraries
  - The full-fledged project: Construction and operation of IR. 57 university libraries in 2006, 70 in 2007



# Support program of National Institute of Informatics (NII)(2)

- SCPJ (Society Copyright Policies in Japan)
  - Japanese counterpart of the SHERPA/RoMEO
- ROAT (Repository Output Assessment Tool)
  - Standardized counting mechanism for downloads
- JAIRO<sup>†</sup> (Japanese Institutional Repositories Online)
  - A portal to Japanese IRs similar to the OAlster
- JAIRO<sup>†</sup> Cloud (2012- ) †pronounced as “gyro”
  - A SaaS type IR cloud service
  - Utilized by many small institutions which lack budget and skills to build a repository on their own
  - 60% of IRs in Japan are now on the JAIRO Cloud

The screenshot shows the English version of the NII Institutional Repositories Program homepage. The main heading is "NII Institutional Repositories Program". Below it is a navigation menu with links for HOME, News, About Us, Current IRs, Projects, Events, Documents, and Contact. The "About Us" section features an image of birds and text explaining the program's goal: "Universities and NII jointly work for various scholarly contents to realize the next generation scholarly content infrastructure. Institutional repositories are to serve for acquiring, organizing, preserving, and disseminating such scholarly information. They are a set of services by academic institutions for their academic communities to manage and publish digital contents they create." Other sections include "Current IRs", "Projects", "Contact", and "Events". A "News" section lists several announcements, such as "2014/03/26 JAIRO Cloud has been awarded the Commendation of Merit, Stanford Prize for Innovation in Research Libraries (SPIRI) 2014." and "2013/11/01 NII services will be stopped due to system maintenance." There is also a "Documents" section with links to "Statistics", "Brochures", "Reports", and "juni2 metadata format (Schema)".

The screenshot shows the Japanese version of the JAIRO Cloud homepage. The main heading is "JAIRO Cloud". Below it is a navigation menu with links for トップページ (Home), サービスにつ (About Services), ニュース (News), ドキュメント (Documents), コミュニティ (Community), リンク (Links), and よくあるご質問 (FAQ). The "What's New" section is highlighted, featuring several announcements:

- JAIRO Cloudの今後の運用モデルと利用料金に関...**: JAIRO Cloudの今後の運用モデルと利用料金に関する説明・懇談会概要. JAIRO Cloudに関して標記の説明・懇談会を二部構成で開催いたします。第1部は、主にJAIRO Cloudへの参加を検討している機関を対象に、機関...
- ご連絡が遅れ、申し訳ございません。2014年11月2...**: ご連絡が遅れ、申し訳ございません。2014年11月21日にリリースしましたWEKO ver2.1.7に関しまして、2014年12月末に全JAIRO Cloud機関への反映が完了いたしましたことをお知らせいたします。
- JAIRO Cloudは正常に稼働しています。**: JAIRO Cloudは正常に稼働しています。
- 国立情報学研究所の法定停電に伴い、以下のとおり、JAI...**: 国立情報学研究所の法定停電に伴い、以下のとおり、JAIRO Cloudサービスを一時停止いたします。以下の期間は、JAIRO CloudサイトのWebページが表示されなくなります。 ※ パブリッククラウドへのシステム移行が完...
- JAIRO Cloudの一部の環境(各機関のリポジトリ...**: JAIRO Cloudの一部の環境(各機関のリポジトリ、JAIRO Cloudコ...

On the right side, there is a "サービス概要" (Service Overview) section with the text: "国立情報学研究所(NII)は、平成24年度よりJAIRO Cloud(共用リポジトリサービス)を運用開始します。当面は機関リポジトリを新たに構築する機関を対象として、NII開発の機関リポジトリソフトウェアWEKOをベースに構築したシステム環境を提供します。システムの心配は不要になり、コンテンツ登録に集中できます。申請は随時受付中です。"

Below that, there is a "JAIRO Cloud導入機関数" (JAIRO Cloud Introduction Institution Count) section with the text: "公開中/公開準備中/申請中の機関を合わせ" and a large "240機関" (240 Institutions) graphic. A small note says: "のみならずにお使いいただいております。(2015/1/5現在)". At the bottom right, there is a celebratory graphic that says "祝! JAIRO Cloud 200機関達成!" (Congratulations! JAIRO Cloud 200 Institution Achievement!).

## NII Institutional Repositories Program homepage

## JAIRO Cloud homepage (in Japanese)

# Digital Repository Federation (DRF)

- Launched as one of the projects supported by NII
- A membership organization which consists of some 150 IRs in Japan
- A member of the Confederation of Open Access Repositories (COAR)
- Promotes OA and IRs with grassroots effort
- Activities are now limited, because NII's financial support for DRF ended in 2012

# Institutional Repository Promotion Committee

- Established in 2013 under the cooperation between NII and university libraries
- Committee members consist of university library staff and some researchers
  - Many of them are also core members of DRF
- 3 working groups
  1. Content
  2. International cooperation
  3. Technical issues
- The committee and DRF, complementing with each other, begin to lead Japanese IRs

# Conclusion

- IRs in Japan grew significantly from 2004 and the number exceeds 300 in 2014 (388 as of Jan. 2015)
- MEXT mandated open access to PhD theses through IRs in March 2013
- NII played a pivotal role in the growth of IRs with support for various projects and provision of JAIRO Cloud
- DRF is a membership organization of Japanese IRs and promotes open access with grassroots effort
- IR Promotion Committee was established in 2013 and begins to lead Japanese IR activities

Merci beaucoup!