

Institutional Repositories in JAPAN

2013/3/21 @CJM/NCC joint program

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NII Institutional Repositories Program

1 *Funding*

CSI-commissioned Program

*CSI: Cyber Science Infrastructure

2 *Interoperability*

Portal services

3 *Community*

Training support etc.

4 *System*

JAIRO Cloud with WEKO

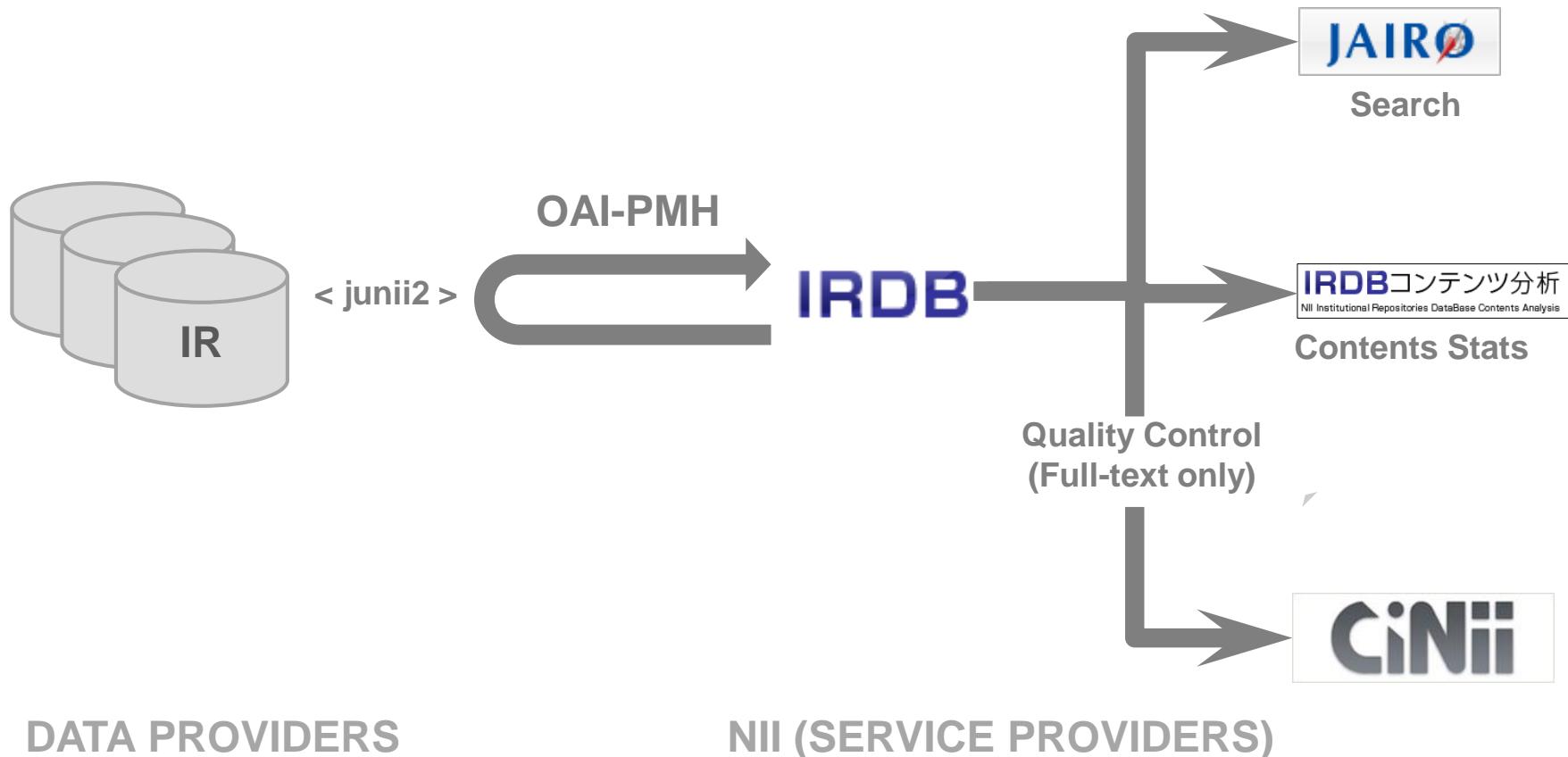
CSI-commissioned Program

- ▶ **1st Period(FY2005-2007), 2nd Period(FY2008-2009)**
 - ▶ Area I : Expanding IRs and creating contents
 - ▶ Area II: Building new services through collaboration among IRs
- ▶ **3rd Period(FY2010-2012)**
 - ▶ Area I : Content creation for new IRs
 - ▶ Area II : Research and development
 - ▶ Area III: Support for community activities

Number of commissioned organizations/projects

Area	1st Period			2nd Period			3rd Period	
	2005	2006	2007	2008	2009	2010	2011	2012
I	19	57	70	68	74	24	31	34
II	2	22	14	21	21	8	8	7
III	-	-	-	-	-	5	4	4

System interoperability



Community formation

CSI Conference etc.

2013/6/6-7 @NII



Human Resources

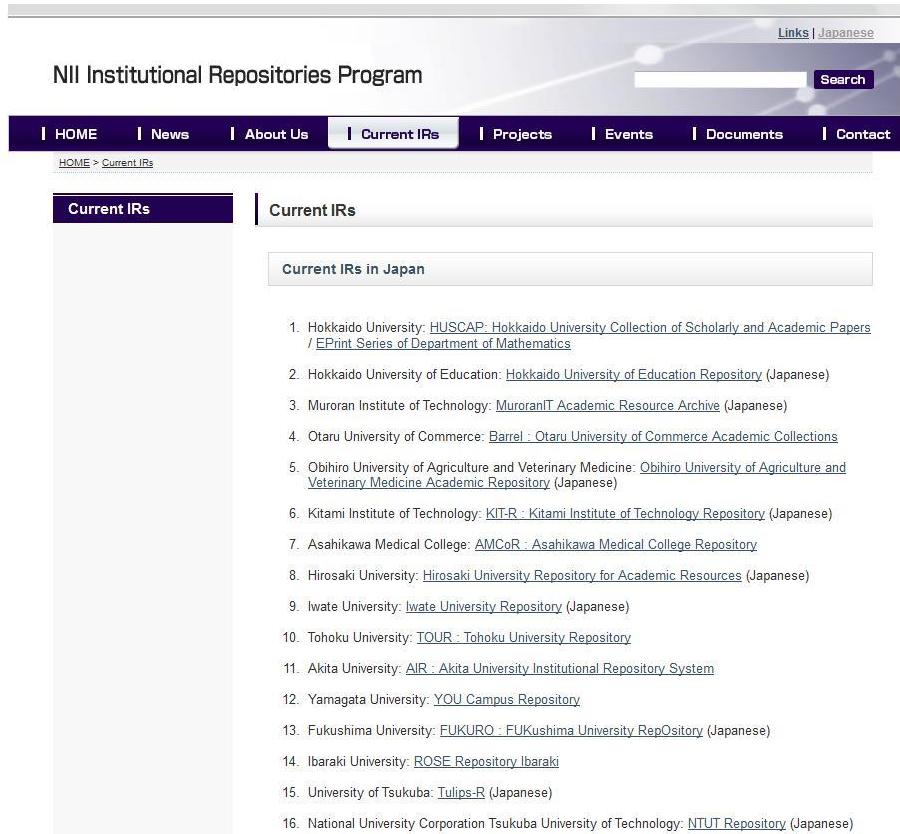
Support for the training of new personnel
in charge of IRs conducted by DRF (Digital
Repository Federation) - CSI Area III

+ Seminar for JAIRO Cloud users



<http://www.nii.ac.jp/irp/event/>

List of Domestic IRs



The screenshot shows the homepage of the NII Institutional Repositories Program. At the top, there is a search bar with a 'Search' button and links for 'Links' and 'Japanese'. Below the search bar is a navigation menu with links to 'HOME', 'News', 'About Us', 'Current IRs' (which is highlighted in blue), 'Projects', 'Events', 'Documents', and 'Contact'. A breadcrumb trail indicates the user is at 'HOME > Current IRs'. The main content area is titled 'Current IRs' and contains a sub-section titled 'Current IRs in Japan'. A numbered list of 16 academic repositories is provided:

1. Hokkaido University: [HUSCAP : Hokkaido University Collection of Scholarly and Academic Papers / EPnrt Series of Department of Mathematics](#)
2. Hokkaido University of Education: [Hokkaido University of Education Repository](#) (Japanese)
3. Muroran Institute of Technology: [MuroranIT Academic Resource Archive](#) (Japanese)
4. Otaru University of Commerce: [Barrel : Otaru University of Commerce Academic Collections](#)
5. Obihiro University of Agriculture and Veterinary Medicine: [Obihiro University of Agriculture and Veterinary Medicine Academic Repository](#) (Japanese)
6. Kitami Institute of Technology: [KIT-R : Kitami Institute of Technology Repository](#) (Japanese)
7. Asahikawa Medical College: [AMCoR : Asahikawa Medical College Repository](#)
8. Hirosaki University: [Hirosaki University Repository for Academic Resources](#) (Japanese)
9. Iwate University: [Iwate University Repository](#) (Japanese)
10. Tohoku University: [TOUR : Tohoku University Repository](#)
11. Akita University: [AIR : Akita University Institutional Repository System](#)
12. Yamagata University: [YOU Campus Repository](#)
13. Fukushima University: [FUKURO : FUKushima University RepOsitory](#) (Japanese)
14. Ibaraki University: [ROSE Repository Ibaraki](#)
15. University of Tsukuba: [Tulips-R](#) (Japanese)
16. National University Corporation Tsukuba University of Technology: [NTUT Repository](#) (Japanese)

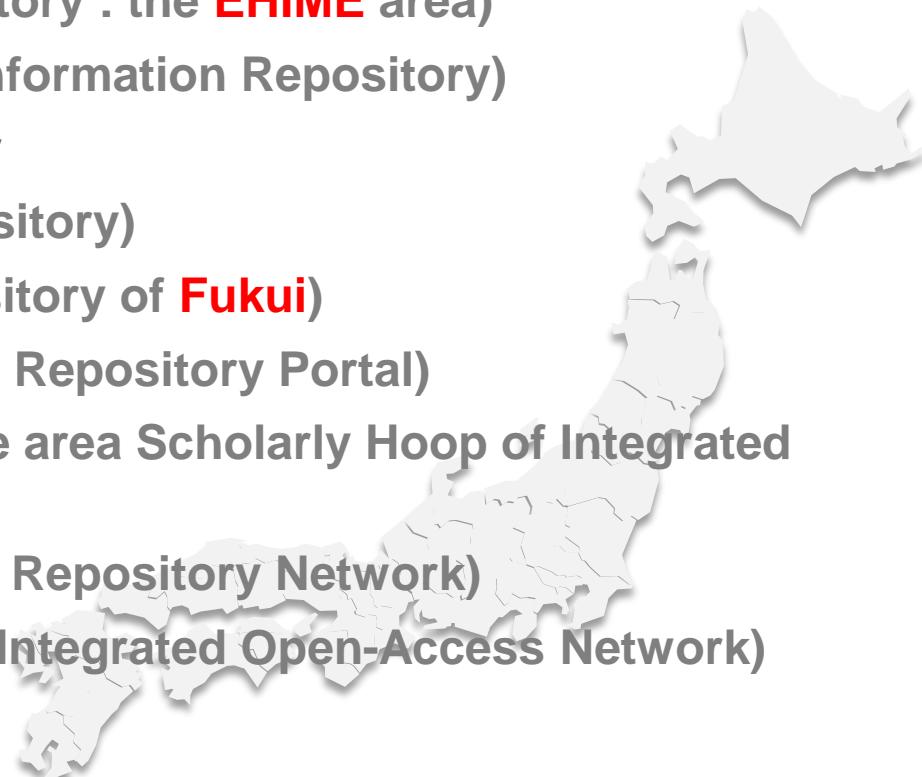
<http://www.nii.ac.jp/irp/en/list/>

218 IRs

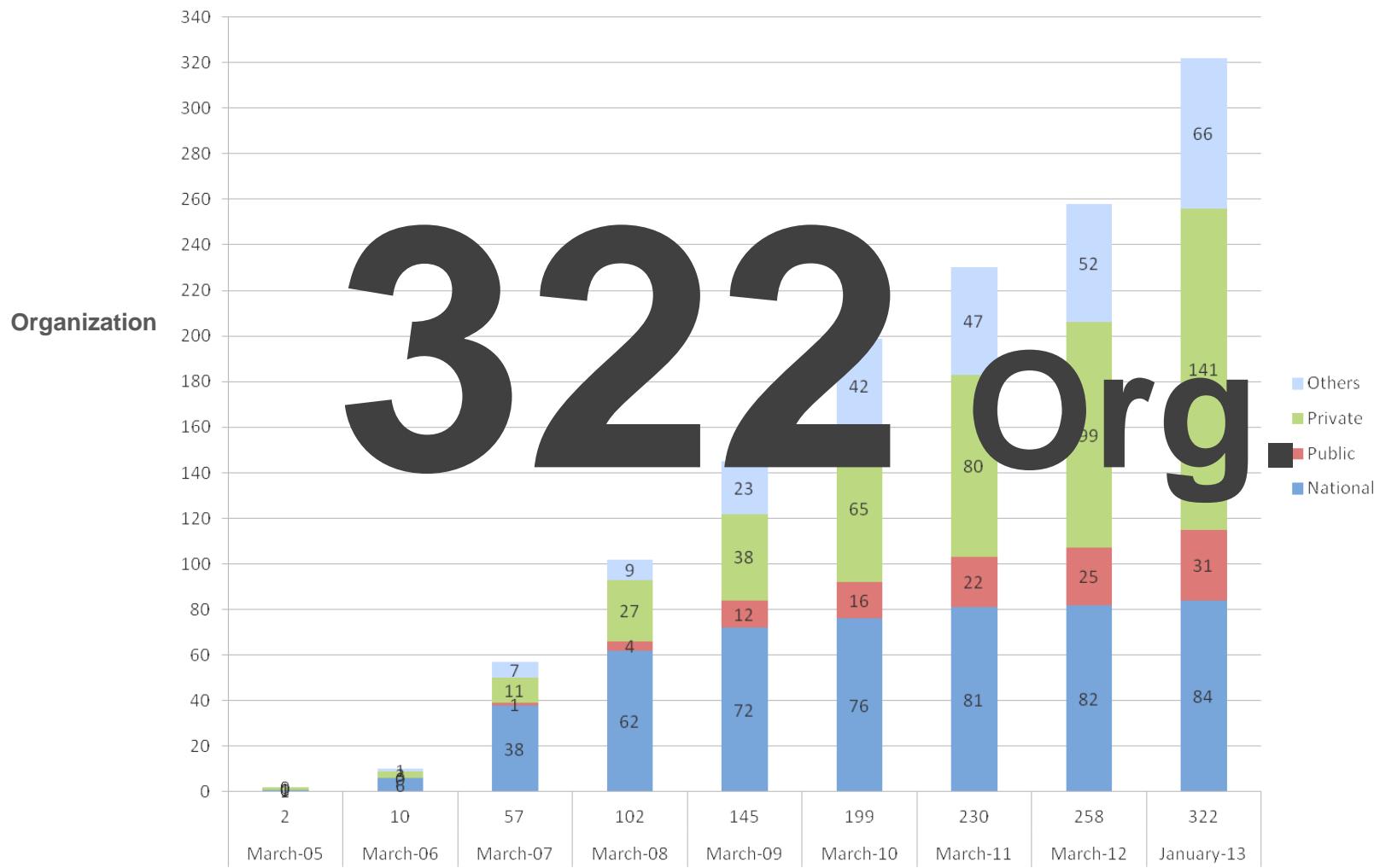
NII list (2013/1)

Regional Shared Repositories

1. YOU-Campus Repository (**Yamagata**)
2. AKAGI (Academic Knowledge Archives of **Gunma** Institutes)
3. SUCRA (**Saitama** United Cyber Repository of Academic Resources)
4. IYOKAN (Institutional Repository : the **EHIME** area)
5. O-AIR (**Okayama** Academic Information Repository)
6. **Hirosaki** Regional Repository
7. NiRR (**Niigata** Regional Repository)
8. CRFUKUI (Community Repository of **Fukui**)
9. HARP (**Hiroshima** Associated Repository Portal)
10. YSHIN (**Yamaguchi** prefecture area Scholarly Hoop of Integrated Navigator)
11. KARN (**Kagoshima** Academic Repository Network)
12. ORION (**Okinawa** Repository Integrated Open-Access Network)
and more...

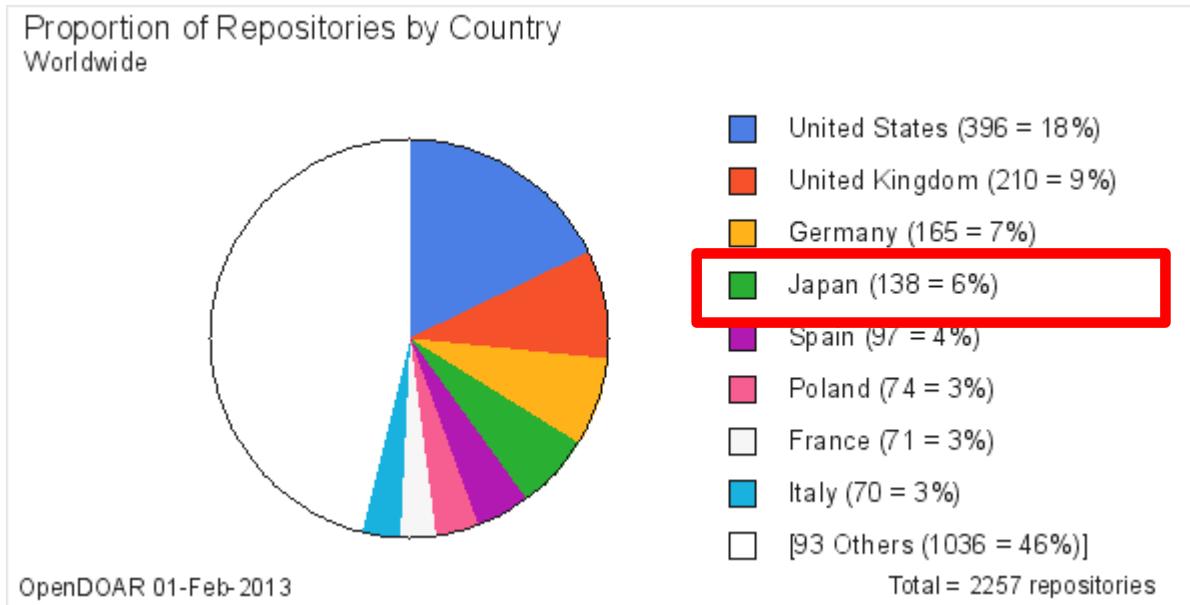


Number of organizations with IR



International Comparison

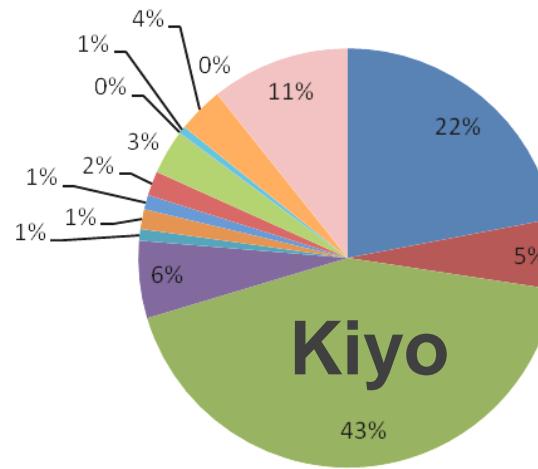
▶ Japan is in the **4th** with 138 IRs



Open DOAR: Directory of Open Access Repositories
<http://www.opendoar.org/> (2013/02/01)

Number of Contents

1 mil.
full-texts



- Journal Article
- Departmental Bulletin Paper
- Presentation
- Technical Report
- Article
- Learning Material
- Software
- Thesis or Dissertation
- Conference Paper
- Book
- Research Paper
- Preprint
- Data or Dataset
- Others

http://irdb.nii.ac.jp/analysis/index_e.php (Last accessed: 2013/02/01)

Ratio of full-texts

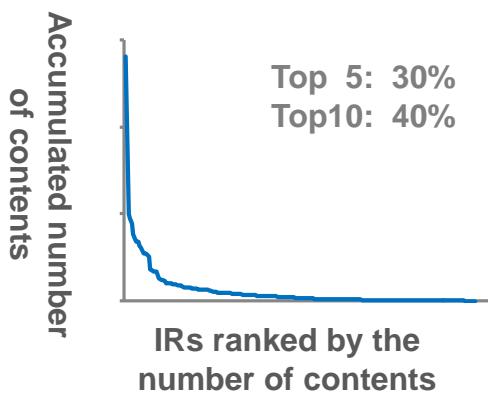
74%

Content Types	Number of Records	Ratio of Full-text
Journal Article	327,322	55.4%
Thesis or Dissertation	80,841	58.5%
Departmental Bulletin Paper	639,107	88.3%
Conference Paper	88,700	19.7%
Presentation	13,353	34.8%
Book	22,735	51.0%
Technical Report	16,531	48.0%
Research Paper	27,941	90.6%
Article	51,010	79.7%
Preprint	352	91.2%
Learning Material	8,433	37.3%
Data or Dataset	52,659	99.5%
Software	31	80.6%
Others	159,456	93.2%
SUM	1,433,459	74.2%

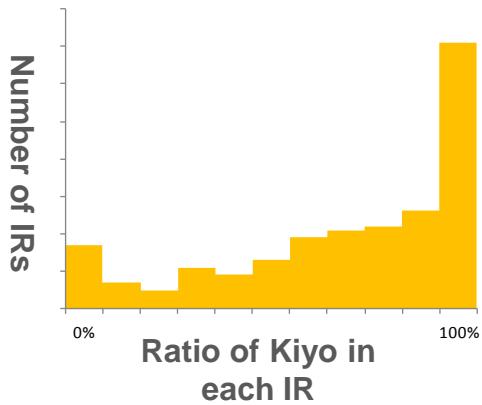
http://irdb.nii.ac.jp/analysis/index_e.php (Last accessed: 2013/02/01)

Current Trends

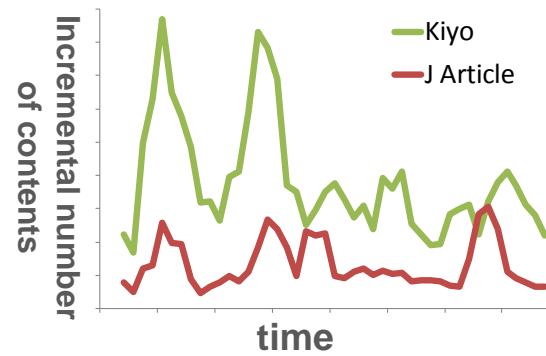
Expanded E-publication platform



Long-tail
Distribution



Limited Content
types



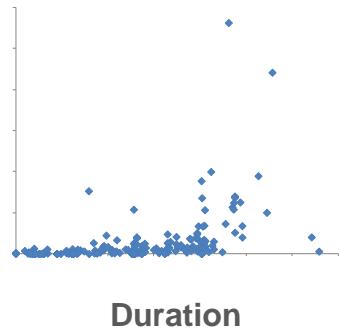
Sustainable
Deposit

Current Trends

Weak Correlations between number of contents and...

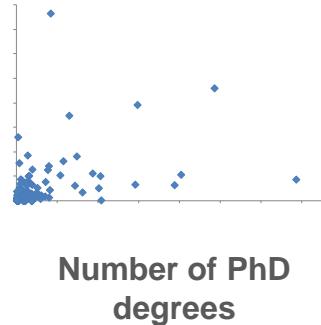
Duration of operation

Contents



Education/
Research activity

Contents



University Size

Large >>> >>> Small

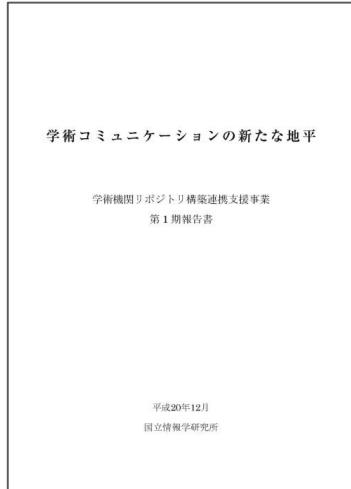
Number of Contents	A	B	C	D
1,000	0	7	38	26
2,000	0	7	8	7
3,000	1	6	7	5
4,000	1	2	5	6
5,000	0	1	2	2
6,000	2	3	5	1
7,000	2	4	0	0
8,000	1	1	2	1
9,000	3	1	0	0
10,000	2	1	0	0
Over 10,000	17	2	4	0

IR activities vary from university to university

Reports in English

▶ Phase 1 Report

“New Horizons in Academic and Scholarly Communication”



http://www.nii.ac.jp/irp/en/archive/pdf/CSI_Phase1_Report.pdf

▶ Phase 2 Report

“The Changing World of Academic and Scientific Information Distribution: Advances in Institutional Repositories”



http://www.nii.ac.jp/irp/en/archive/pdf/CSI_Phase2_Report.pdf

▶ Phase 3 Report will be released in 2013

Implementation Rate of IRs in JAPAN

- ▶ Almost all national universities have their own IRs, while the implementation rate of other public/private universities hovers at

20-30%.

What is JAIRO Cloud?

▶ Outline

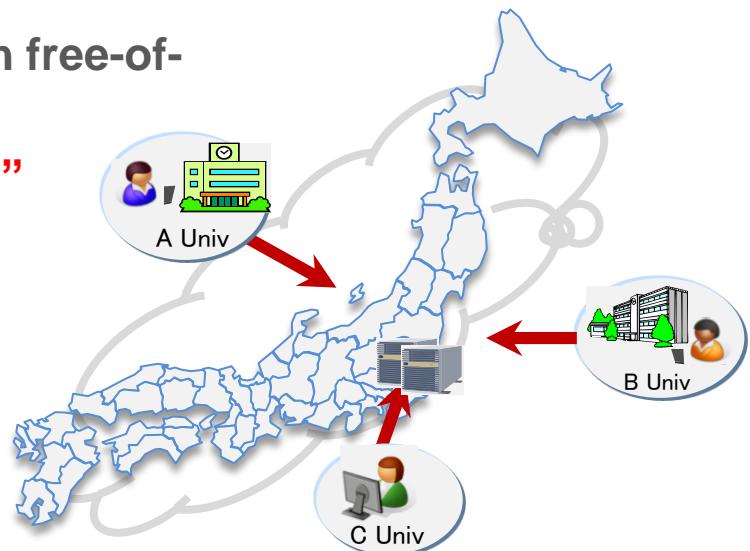
- ▶ Limited resources and less technical knowledge hamper implementation of IR especially in small universities.
- ▶ JAIRO Cloud provides a shared instance of IR system on the virtual server hosted by NII **since April 2012**.

▶ Service Architecture

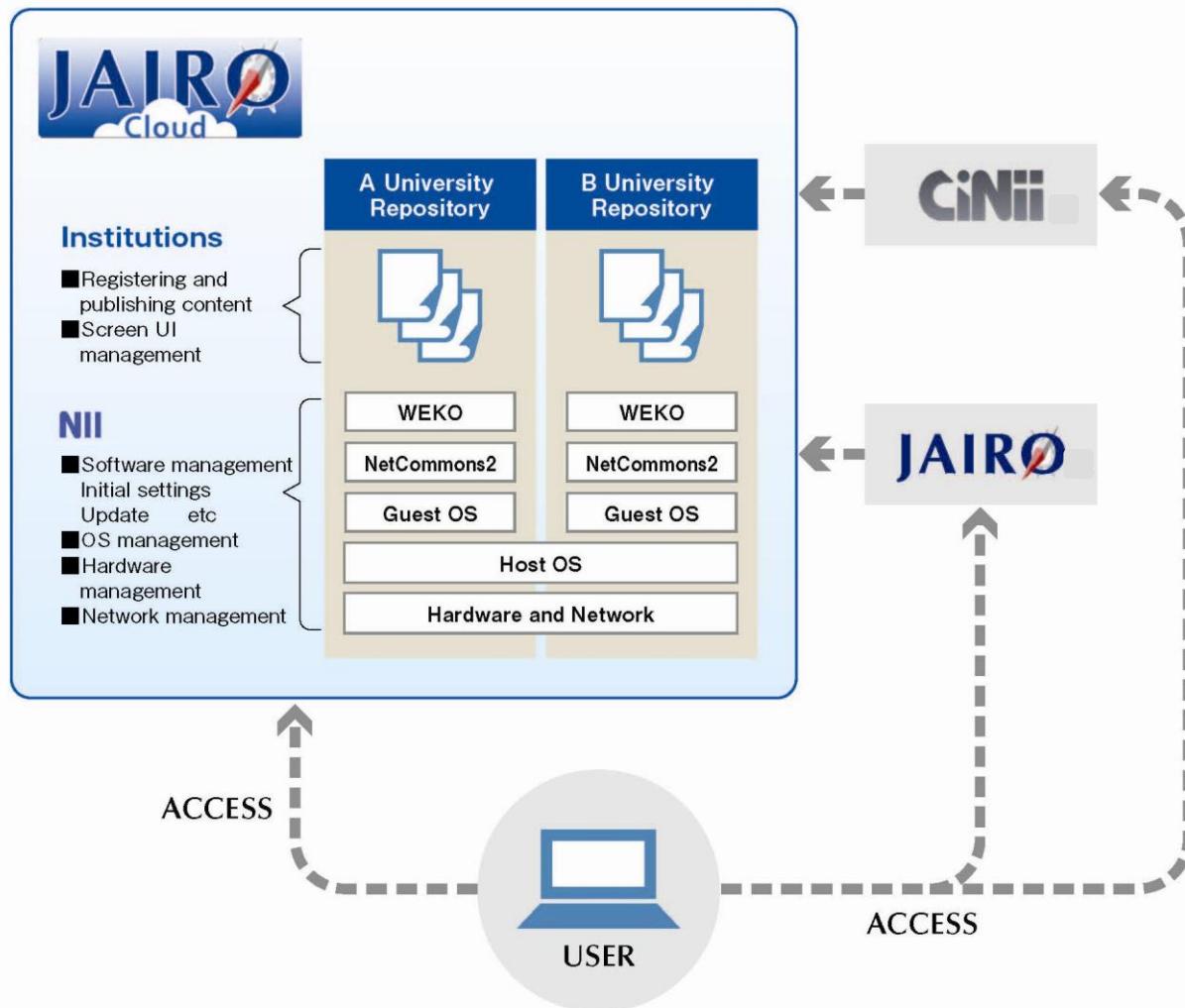
- ▶ NII offers easy-to-navigate IR platform with free-of-charge in initial stage.
- ▶ An easy-to-use **repository module “WEKO”** developed by NII, is used in the service.

▶ Target

- ▶ **More 200 IRs** by the 2017 fiscal year



Service Architecture



“JAIRO Cloud” Community

新規登録 | ログイン

検索

JAIRO Cloud Japanese Institutional Repositories Online Cloud

トップページ サービスについて ニュース ドキュメント **コミュニティ** リンク お問合せ

Community コミュニティ

トップページ > コミュニティ

フォーラム (参加機関用)を利用する前に

- 参加機関向けの、操作方法等に関するフォーラムです（投稿には、ログインが必要です）。
- 過去のフォーラムやFAQに類似の質問がないかご確認ください。
- 質問は1件ごとにスレッドを作成してください。

フォーラム (参加機関用)

ユーザサポート(報記事一覧)

フラット表示へ

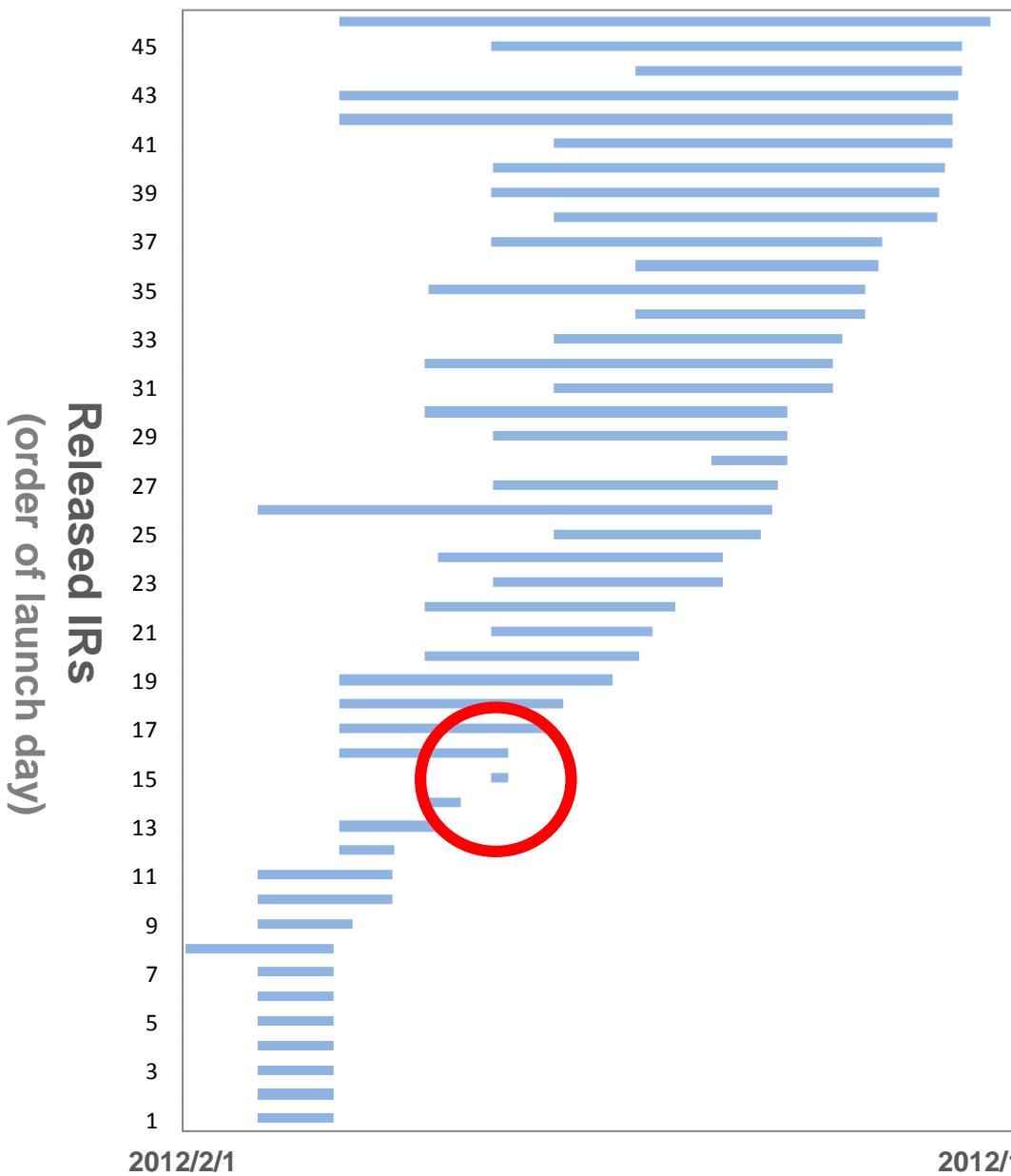
1	2	3	4	次▶ 20件 ▾
<p>● 各種外部サイトのハーベストについて(2件)new</p> <p>● コンテンツ個別登録におけるメタデータのプルダウン項目登録について(2件)new</p> <p>● 一括登録の際のファイル名について(1件)new</p> <p>● コンテンツ登録中にエラー、デボジット応答と確認(7件)new</p> <p>● 画面表示関係とダブルコード関係(1件)new</p> <p>● SCWの新規フィルターでエラー(6件)</p> <p>● ユーザ情報メントナースについて(1件)</p> <p>● フォーラムの公開について(8件)</p> <p>● 「データ取得に失敗しました」と出るリンクエラー(2件)</p> <p>● 教員業績システムとの連携について(2件)</p> <p>● nboプレスリリース(5件)</p> <p>● スマホからのPDF利用について(2件)</p> <p>● SCWの1フィルタで複数アイテムタイプの指定(2件)</p> <p>● 日次形式での表紙画像掲示について(3件)</p> <p>● 【展開】サンプルフィルターによるメタデータ複数登録に関する...(0件)</p> <p>● ソリー編集について(4件)</p> <p>● WEKOのトップについて(1件)</p> <p>● 画面の軸について(2件)</p>				
東洋大学	2012/10/09 (0票)	聖隸クリストファー大学図書館	2012/10/12 (0票)	
麻布大学学術情報センター	2012/10/12 (0票)	和光大学図書館	2012/10/10 (0票)	
流通科学大学附属図書館	2012/10/10 (0票)	和光大学図書館	2012/10/01 (0票)	
麻布大学学術情報センター	2012/10/10 (0票)	NII富崎	2012/09/25 (0票)	
熊本学園大学雑誌係リボ担当	2012/10/03 (0票)	Seijo University Library	2012/10/04 (0票)	
JAIRO Cloudサポート事務局	2012/09/26 (0票)	日本赤十字社	2012/10/02 (0票)	
和光大学図書館	2012/10/01 (0票)	流通科学大学附属図書館	2012/09/27 (0票)	
JAIRO Cloudサポート事務局	2012/09/21 (0票)	日本赤十字社	2012/09/13 (0票)	
八戸大学図書館	2012/09/06 (0票)	八戸大学図書館	2012/09/04 (0票)	

Message-board QA & Discussion



Movie Manual!

<https://community.repo.nii.ac.jp/>



Days from setup to release

Min. **7** days
(Avg. 101 days)

Participation situation

91 Org.

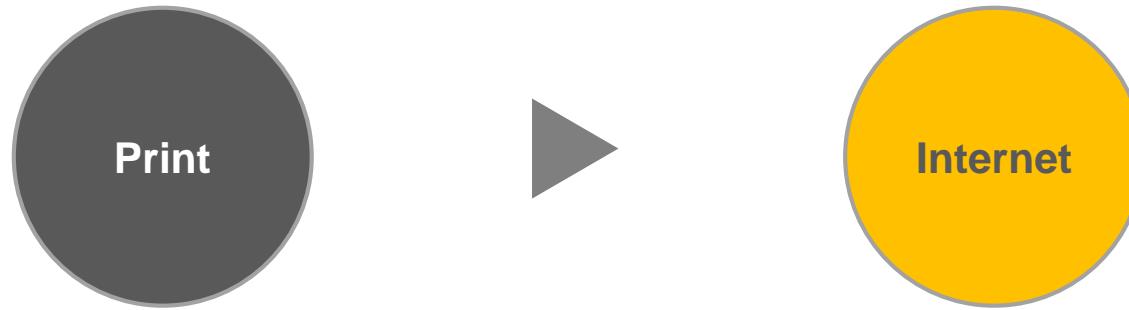


Total	Types of Institutions					Publicly-released
	National	Public	Private	2-Year	Others	
91	3	8	67	8	5	51

As of 2013.2.28 (applications are being accepted anytime)

Mandatory OA for ETDs

Partial amendment of regulation for doctoral degree (2013.4.1-)



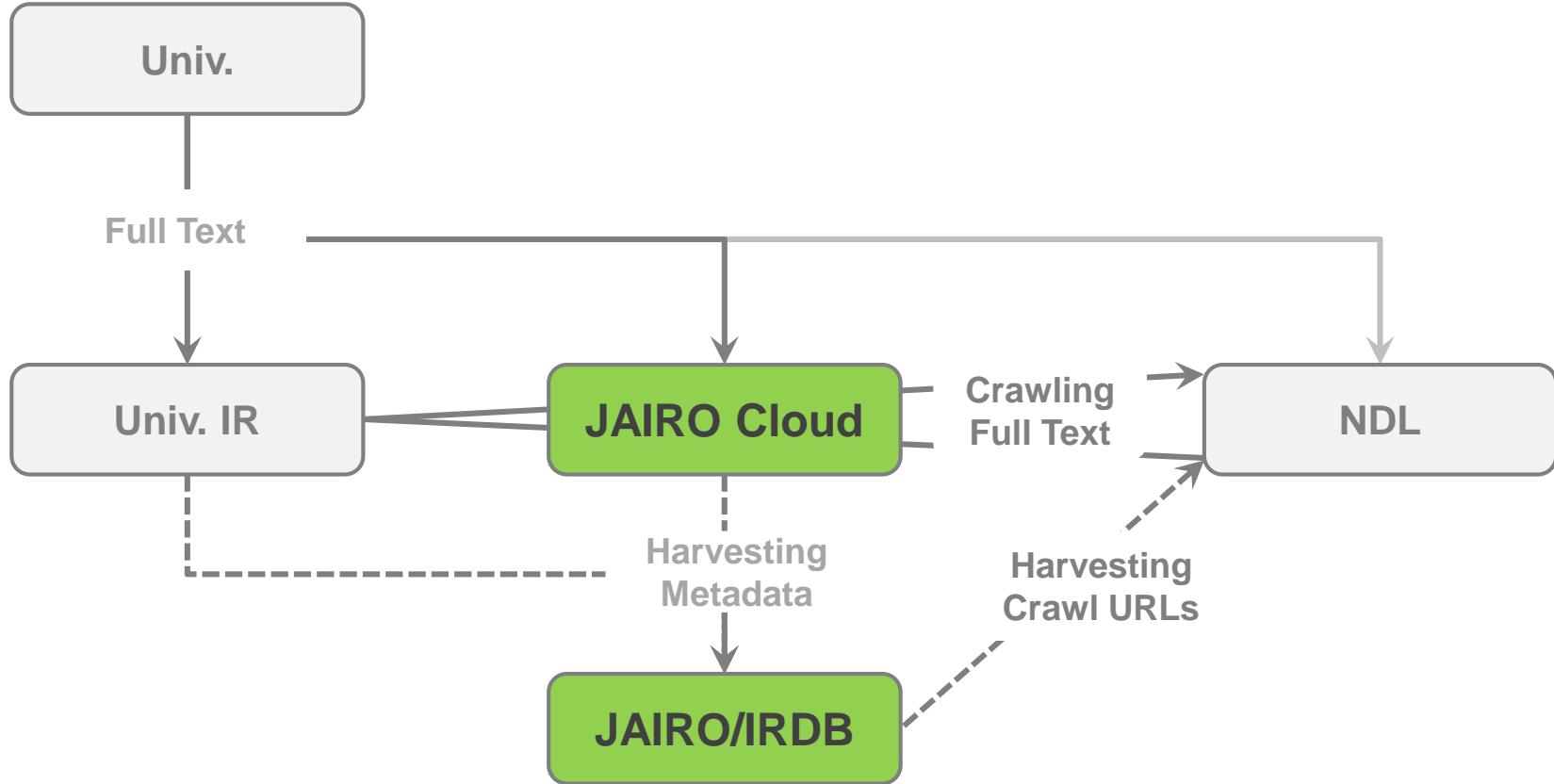
- ▶ **Contents:** Summary and Full-text (15,000/year)
- ▶ **Media:** Univ. IRs / JAIRO Cloud, otherwise NDL
- ▶ **Search:** NDL Search, JAIRO etc
- ▶ **Archive:** Univ. and NDL (collection of full-texts)
- ▶ **Exceptions:** Patent, privacy and so on...

For details, see the next presentation by NDL

ETDs data flow

IR Infrastructure
(JAIRO Cloud)

Crawling by NDL
(Revised junii~)



Near Future

1. Further growth with JAIRO Cloud (Enhanced WEKO)
2. Expanded E-publication platform
 - Kiyo, ETD and more...
 - Not only for Univ. but...
3. Steadily “Planting the Green Seeds”

Thank you!



ir@nii.ac.jp

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National Institute of Informatics

<http://www.nii.ac.jp/irp/en/>