

A usage-centered approach to the promotion of institutional repositories

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IR INITIATIVE AND SCHOLARLY COMMUNICATION IN JAPAN

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Today's contents

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- What does DRF want to do?
- DRF's basic strategies for IR sustainability
- Four usage-centered approaches:
 - Public relations tactics for IR awareness & visibility
 - IR cures ILL : IRs to replace ILL/DD for domestic scholarly communication in Japan
 - AIRway: seamless integration of licensed and open access online resources
 - ROAT: Repository Output Assessment Tools to standardize download statistics
- Future prospects

What is DRF (Digital Repository Federation) ?

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Formed as a collaborative initiative by librarians in Japan in 2006 with financial supports of Cyber Science Infrastructure (**CSI**) of the National Institute of Informatics (**NII**) to support digital repository projects

Membership of **86** libraries of universities and research institutions as of November 2008

Aiming at promoting IR in Japan by forming **an IR community** for the improvement of scholarly communication in Japan

Activities include communication(Wiki, Mailing List, Workshops, Int'l conference etc) and **Project Clusters** carried out and coordinated by core members

Usage leads to Sustainability

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Among its basic ideas is:

that **the enhancement of usage of IR should lead to the sustainability of IR**

**When things are not used,
they are forgotten,
they are neglected,
they are unsupported,
they are unfunded,
they are unstaffed, and finally
they will be gone**

Advocacy alone does not appeal!!

**You have to show that it is being used, and that therefore
it is useful**

Upload just in time

-Examples of PR Tactics by Kyoto-

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Case 1:

- Prof. YAMANAKA, *CELL* vol.131 no.5
- Induction of Pluripotent Stem Cells from Adult Human Fibroblasts by Defined Factors (**an article on iPS cells**)

Case 2:

- **2 Nobel Prize-Winning physicists' articles (Publisher Version)**
- Professors emeritus of Kyoto , Toshihide Masukawa and of KEK, Makoto Kobayashi, who once worked in Kyoto
- CP-Violation in the Renormalizable Theory of Weak Interaction, *Theory of Theoretical Physics* 1973 49-2 p.652-657

KURENAI(Kyoto's IR) Top 30 accesses from domains outside JP

アクセス	タイプ	掲載誌等
430	Kiyo	The Review of Physical Chemistry of Japan; 22(1), 4-8
325	Kiyo	東南アジア研究; 38(4), 481-511
296	Article	Cell; 131(5), 861-872 Professor Yamanaka's article on iPS cell
293	Kiyo	The Review of Physical Chemistry of Japan; 47(1), 12-24
259	Kiyo	The Review of Physical Chemistry of Japan; 49(2), 59-69
255	Research Report	京都大学大学院経済学研究科Working Paper; 73
238	Thesis	
226	Kiyo	東南アジア研究; 29(4), 468-485
221	Kiyo	東南アジア研究; 33(3), 303-316
213	Kiyo	The Review of Physical Chemistry of Japan; 44(2), 93-97
212	Kiyo	東南アジア研究; 38(3), 271-446
208	Kiyo	東南アジア研究; 30(4), 401-419
205	Kiyo	東南アジア研究; 22(2), 197-213
204	Kiyo	The Review of Physical Chemistry of Japan; 49(2), 120-122
200	Conference Paper	Proceedings of the International Symposium on SEASTAR2000 and Bio-logging Science (The 5th SEASTAR2000 Workshop); 52-63
195	Thesis	
185	Kiyo	The Review of Physical Chemistry of Japan; 44(1), 11-24
183	Kiyo	京都大学医療技術短期大学部紀要; 19, 1-9
174	Book	
171	Kiyo	京都大学医学部保健学科紀要: 健康科学; 2, 89-106
169	Kiyo	The Review of Physical Chemistry of Japan; 44(1), 1-10
166	Research Report	藤月会論集; 16
165	Kiyo	東南アジア研究; 22(3), 307-315
164	Kiyo	京都大学大学院経済学研究科Working Paper; 71
161	Thesis	
160	Kiyo	京都大学文学部哲学研究室紀要: PROSPECTUS; 9, 69-84
153	Thesis	SPARC DR Meeting 2008
152	Thesis	

2008/12/15

Google Custom Search

Search

お知らせ

最新記事の詳細

月別一覧

図書館機構 益川敏英京都大学名誉教授のノーベル物理学賞受賞論文を公開しました

投稿者: 投稿日時: 2008-10-09 16:06:00 (1813 ヒット)



2008年10月7日、益川敏英京都大
京都大学の知的成果を社会に発信
受賞論文を登録し、公開いたしま

Kyoto University Library News announcing the archive of Nobel-Prize Winners' article

■Makoto KOBAYASHI, Toshihide MASKAWA. CP-Violation in the Renormalizable Theory of Weak Interaction. Progress of Theoretical Physics. 1973, 49-2, p. 652-657.

<http://repository.kulib.kyoto-u.ac.jp/dspace/handle/2433/66179>

本論文を執筆された当時、小林・益川両先生は本学理学部に在籍しておられ、また益川先生は長く本学で教鞭を取られました。

ノーベル賞に輝いた京都大学の知的成果をどうぞご覧ください。

今回の論文公開につきましては、掲載誌である"Progress of Theoretical Physics"編集委員会/事務局(理論物理学刊行会/京都大学基礎物理学研究所/日本物理学会)より格別のご配慮をいただきました。

●Progress of Theoretical Physics

<http://www2.yukawa.kyoto-u.ac.jp/~ptpwww/index-i.html>

Done

SPARC DR Meeting 2008

スタート

2 Firefox

[内島秀樹] 郵便...

E¥

文書1.doc - Micr...

あ般

2008/12/15

18:36

Novel-Prize Winners' article (Publisher's version)
By Maskawa & Kobayashi(1973)

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Progress of Theoretical Physics, Vol. 49, No. 2, February 1973

CP-Violation in the Renormalizable Theory of Weak Interaction

Makoto KOBAYASHI and Toshihide MASKAWA

Department of Physics, Kyoto University, Kyoto

(Received September 1, 1972)

In a framework of the renormalizable theory of weak interaction, problems of CP-violation are studied. It is concluded that no realistic models of CP-violation exist in the quartet scheme without introducing any other new fields. Some possible models of CP-violation are also discussed.

When we apply the renormalizable theory of weak interaction¹⁾ to the hadron

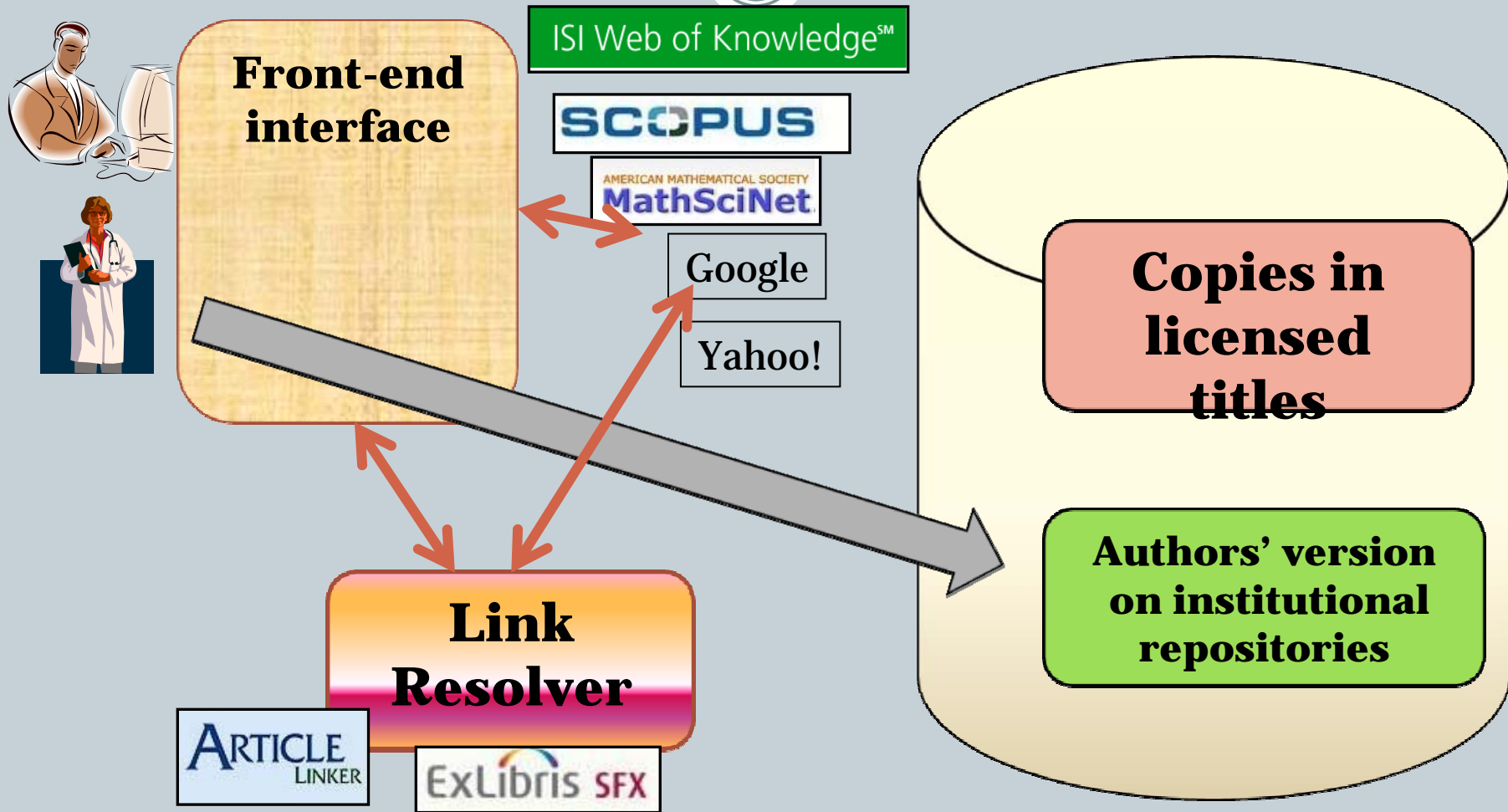
AIRway : the idea

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- AIRway helps resolve OpenURLs of OA documents on IR, thereby seamlessly incorporating repository content into users' search experience
- Link resolvers have come to be commonly used in research libraries, almost unbeknownst to campus users, so the AIRway server can help them improve their function of offering appropriate copies to the benefit of users
- Users will be automatically led to some copy of the document they want

From the end user's point of view

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A sample of the search result by SFX from Tsukuba University

S·F·X SFX Services for this record 11

Source: Food chemistry [0308-8146] KISHIMURA yr:2006 vol:97 iss:1 pg:65

Basic

Full text

Author version Full text available via **AIRWay**

Year: 2006 Volume: 97 Issue: 1 Start Page: 65 GO

Full text available via **Elsevier SD Elsevier**

Year: 2006 Volume: 97 Issue: 1 Start Page: 65 GO

Available from 1976 volume: 1 issue: 1

Full text available via **Elsevier SD Freedom Collection**

Year: 2006 Volume: 97 Issue: 1 Start Page: 65 GO

Available from 1976 volume: 1 issue: 1

Holding information

Holdings in **北海道内大学図書館相互利用サービス館OPAC**

札幌医科大学附属図書館(Sapmed) GO

Holdings in **NII Webcat Plus** GO

Holdings in **NACSIS Webcat** GO

Holdings in **NDL-OPAC Search for General Materials** GO

Holdings in **WebOPAC** GO

Holdings in **国立がんセンターOPAC** GO

ILL

Request document via **Local Document Delivery System** GO

Citation information

This journal in **ulrichsweb.com** GO

Advanced

Link to OA content in IR

Link to a content in Science Direct

A sample of search result by OCLC WorldCat Link manager from Hokkaido University

Hokkaido University Library E-Journals

■ 新着情報 ■ 蔵書検索(OPAC) ■ ヘルプ ■ お問い合わせ先 ■ E-Journals Top ■ Library Top

select language ▼

検索中の論文:
著者名 KISHIMURA,
論文タイトル
ジャーナルタイトル Food Chemistry
Volume 97 Issue 1 出版日 2006 ページ: 65

Link to a content in Science Direct

from Elsevier ScienceDirect

Food Chemistry

ISSN: 0308-8146
more info

論文ヘリンク このタイトルヘリンク

フルテキスト: 1995 - 2008

論文ヘリンク via Crossref

他の所蔵情報を調べる: Food Chemistry

北大蔵書検索 (OPAC) Hokkaido University 北大OPAC

全国蔵書検索 (NACSIS Webcat)

この雑誌のインパクトファクターを調べる: Food Chemistry

Check Impact Factor In Journal Citation Reports

This article is available in Hokkaido University Collection of Scholarly and Academic Papers (著者版)

この著者名で検索する: KISHIMURA

Google Scholar

他のリンク

Bibliographic Software (Endnote, Procite)に書誌情報をエクスポートする

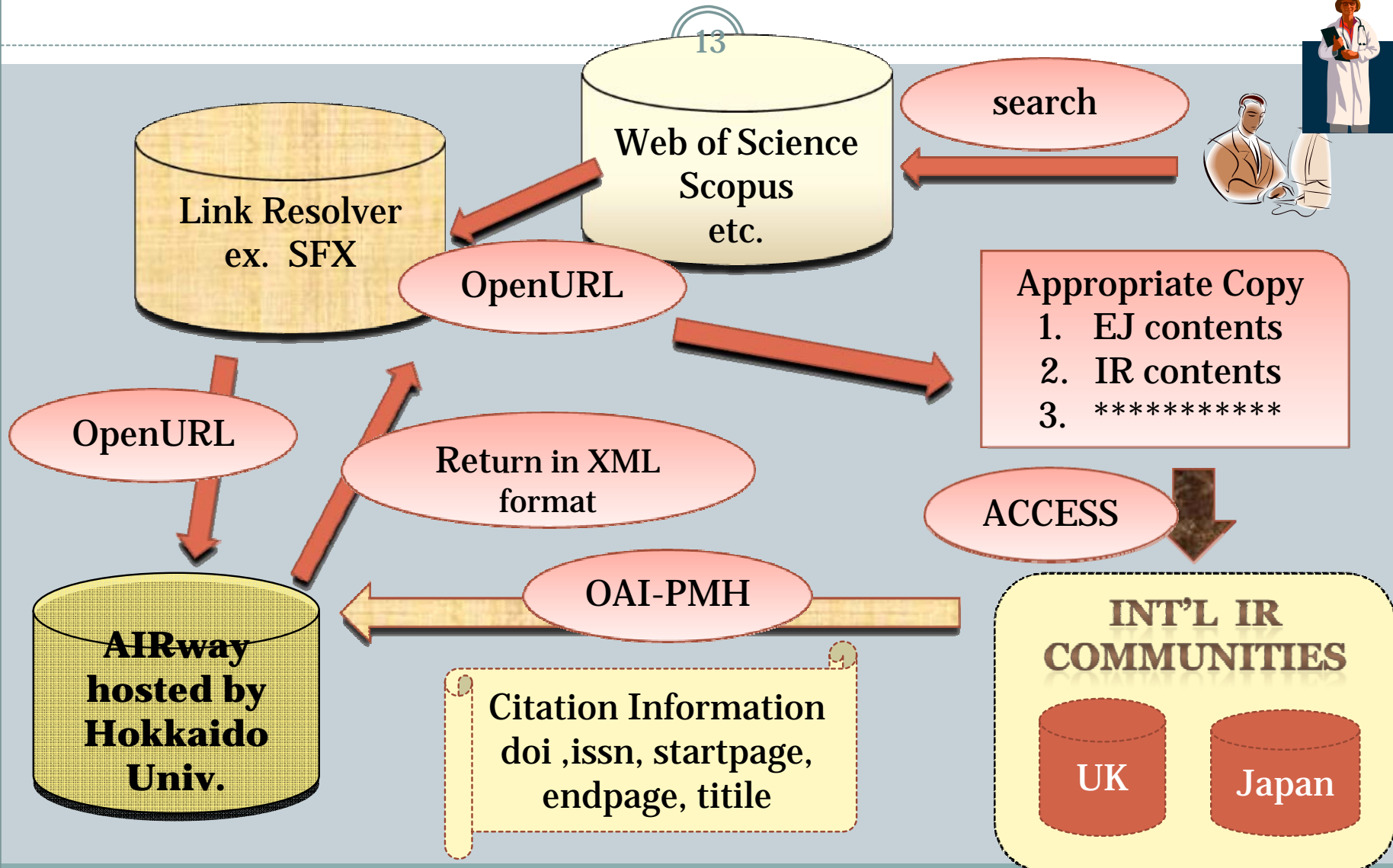
Refworksに書誌情報をエクスポートする

Link to OA content in IR

タイトル or ISSN Food Chemistry Pubmed Identifier (PMID)

アスタリスク (*) を使うと部分一致検索ができます Search

The outline of AIRway system



IRs replace ILL

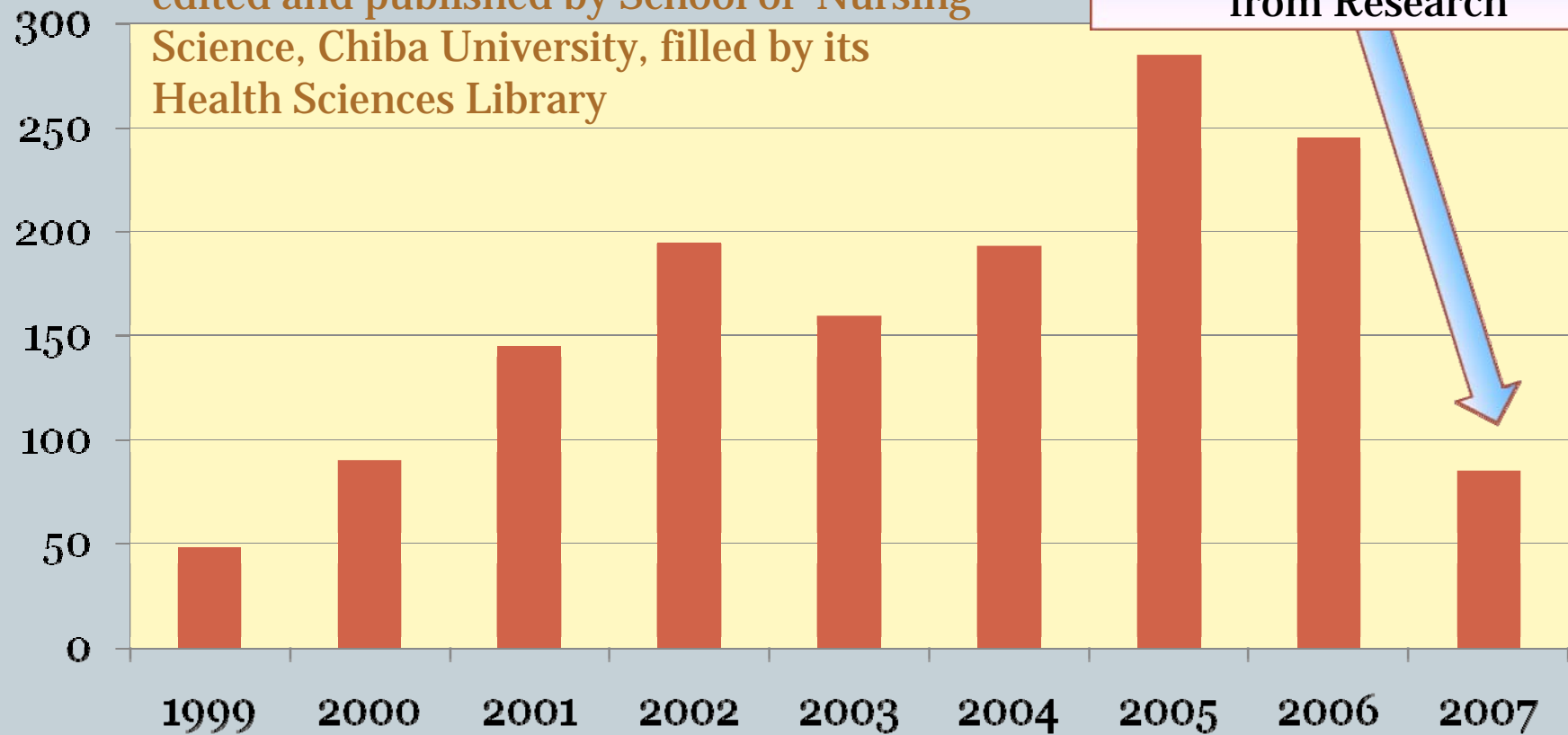
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- **A Japan-specific situation, maybe**
- ILL requests for photocopies of articles published in major international journals have decreased sharply in the past 7-8 years in Japan, as a result of “big deals” with major journal publishers
 - 660,000(2000) ⇒ 410,000(2007)
- On the other hand, those for domestic journals published in Japanese have increased!
 - 270,000(2000) ⇒ 520,000(2006)
- ILL of non-returnables is labor-intensive and unrewarding, so this increase is unhealthy
- Findings:
 - Requests are mainly for articles in self-published journals, bulletins, reports etc from universities, research institutes, departments and laboratories
 - Precursory examples show institutional repositories help
- **Why not make it pervasive?**

An instructive example

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The numbers of requests for articles in a journal edited and published by School of Nursing Science, Chiba University, filled by its Health Sciences Library

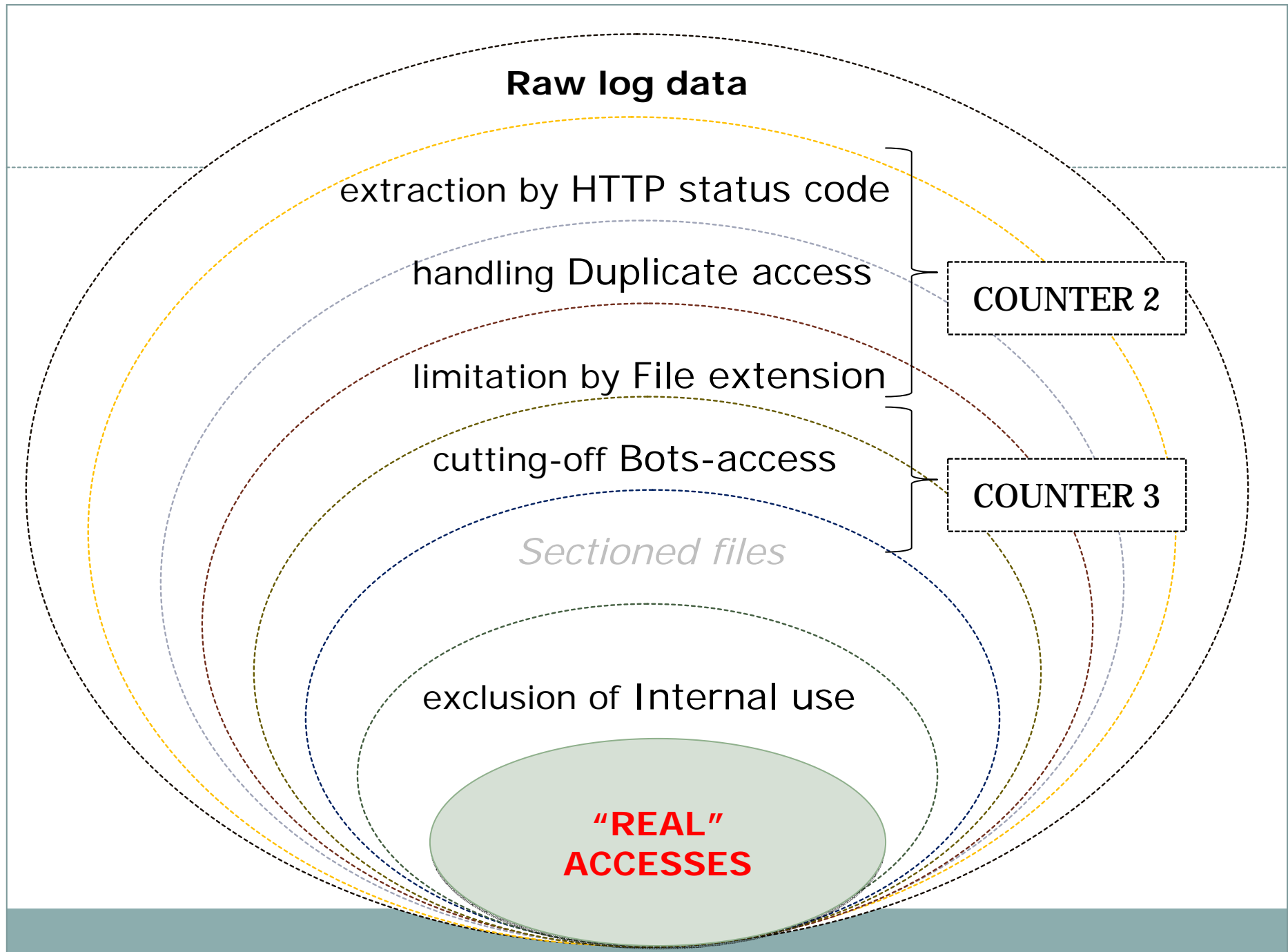


Drop due to increasing contents in CURATOR, Chiba University Repository of the Outcome from Research

Standardized statistics of downloads from repositories

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- Core of usage-centered approach
- Rigor in stats warrants the credibility IR, hence need for standardization
- Method for distillation of access logs: complying with “COUNTER Code of Practice”;
 - HTTP status code; only 200 and 304 is extracted,
 - Duplicate access within 10 seconds for HTML and 30 seconds for PDF,
 - File extension; e.g. only files having “.pdf”, “.htm” and “.html”,
 - Bots-access; cutting-off access from known and unknown robots, crawler etc.,
 - Internal use for development and maintenance, additional item to COUNTER Code
- IR managers can obtain accurate and appropriate access logs to analyze the usage of IR scholarly contents with this standardized method across any IR platform.



Effects of Filtering: samples from Hokkaido and Kyoto of DRF community

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IR & Access Period		HUSCAP (2008.5-7)	KURENAI (2007.3-2008.8)
Original Access Log		3,800,814	16,216,116
Selection by HTTP status codes		3,711,417	15,592,769
Elimination of crawling by robots	Google, Yahoo!, MSN	2,771,190	10,149,059
	Other robots	2,463,002	7,939,328
Selection only by PDF Format		134,973	582,061
Elimination of Duplicated Accesses		123,801	486,042
Accesses identifiable by Domain Name (Reliable Log)		81,458	326,623

Access analysis by Top Domain

	HUSCAP		KURENAI	
JP domain	46,541	57.1%	205,765	63.0%
Other domain (country)	34,917	42.9%	120,858	37.0%
Total	81,458		326,623	

KURENAI ···Indonesia, India, Germany
Malasi, Australia
HUSCAP ···India, Germany, UK, Italia,
Brazil

Access analysis by referrer



	HUSCAP		KURENAI	
No referrer	28,005	22.6%	105,453	21.7%
Inside IR system	33,930	27.4%	111,985	23.0%
Search Engines	60,726	49.1%	265,784	54.7%
(Google)	54,629	44.1%	235,599	48.5%
Other referrers	1,140	0.9%	2,820	0.6%
合計	123,801		486,042	

Our future plans

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- DRF is more than the four project I presented, so stay tuned for their results
- DRF Project Cluster & Community Activities will continue in cooperation with NII & Learned Societies in Japan
- Analyze the usage of institutional repositories within DRF community in order to evaluate and prove the benefits of IR from the viewpoint of the contents usage by the end-users on the Internet
- International Collaboration with IR communities like DRIVER II for the development of OA
- 2nd DRF International Conference in Tokyo (DRFIC2009)

- **Thank you for your attention!**

- **Hideki Uchijima**

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- **DRF** <http://drf.lib.hokudai.ac.jp/>