新時代圖書館
規劃與發展趨勢國際論壇
International Forum on Library in the New Era: Trends of Planning and Development

Responding to the Radical, New Library Landscape

Peter Sidorko

10 September 2013

But first: Trends in Higher Education

Key Trends in Higher Education

- **Openness**: content, data, and resources, along with transparency and ease of access to data and information.
- **Massively open online courses** as alternatives and supplements to traditional university courses.
- Graduates need **skills** acquired from informal learning experiences.
- **New sources of data** for personalizing the learning experience and for performance measurement.
- **Changing role of educators** due to the vast resources that are accessible to students.
- **New learning/teaching styles** to include online learning, hybrid learning, and collaborative models.

Horizon Report: 2013 Higher Education Edition, http://www.nmc.org/pdf/2013-horizon-report-HE.pdf

Transformational Change in the Information Landscape

1. Collection Size Rapidly Losing Importance
2. Traditional Library Metrics Fail to Capture Value to Academic Mission
3. Rising Journal Costs Inspiring Calls for Alternative Publishing Models
4. Viable Alternatives to the Library Now Boast Fastest Growth and Easiest Access
5. Demand Declining for Traditional Library Services
6. New Patron Demands Stretch Budget and Organizational Culture

From: University Leadership Council, *Redefining the Academic Library: Managing the Migration to Digital Information Services,* Washington, D.C.: Education Advisory Board, 2011.

Transformational Change in the Information Landscape

Implicit in each of these 6 changes is the impact and role of ***technology***!

1 Collection size

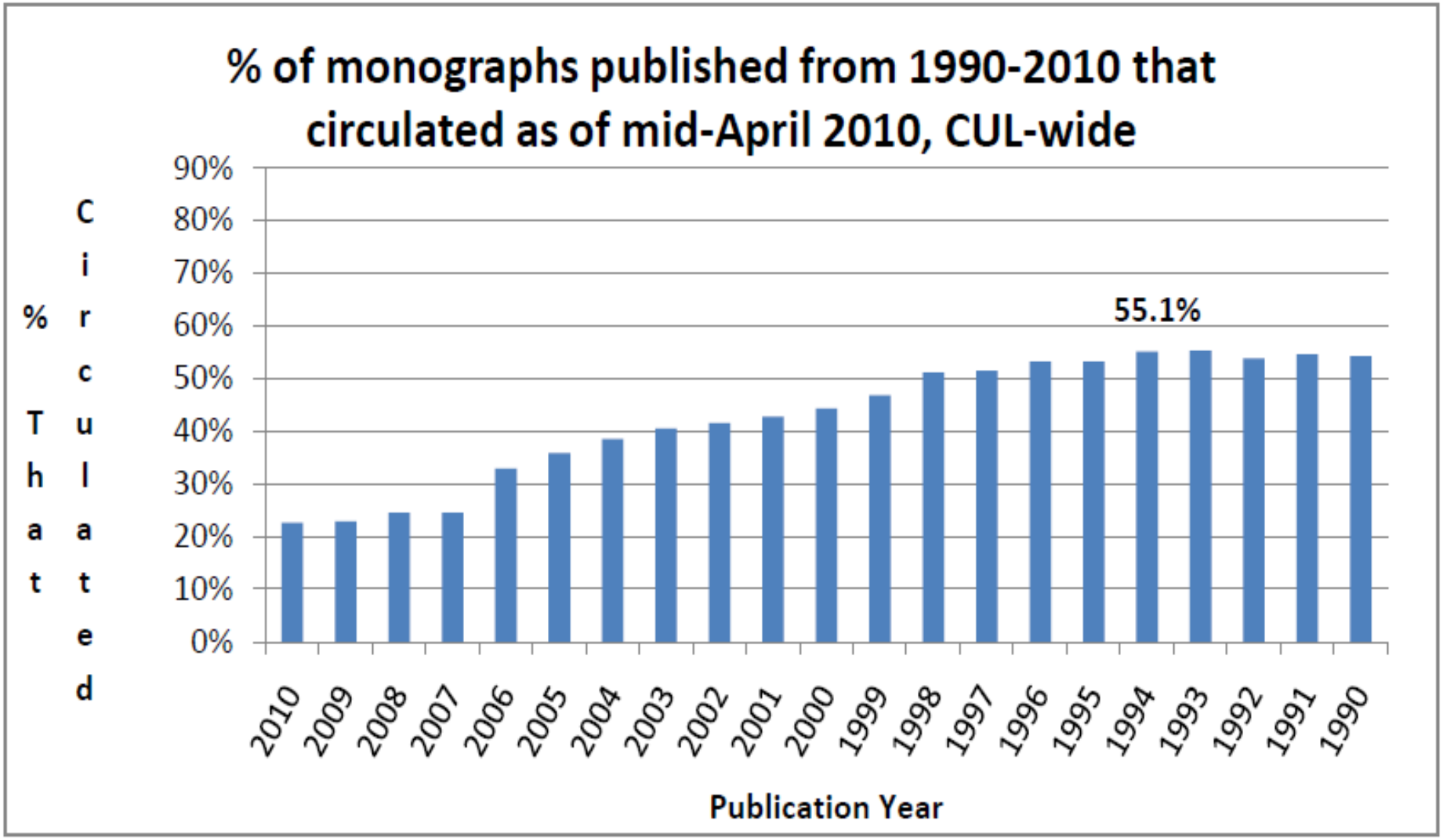
- … the Harvard libraries can no longer harbor delusions of being a completely comprehensive collection … Harvard will need to embrace a model that ensures *access to—not necessarily ownership* of—*scholarly materials …*”

From: *Report of the Task Force on University Libraries*, Harvard University, Nov 2009.
http://www.provost.harvard.edu/reports/Library_Task_Force_Report.pdf

Cornell University Library Study, 2010

Approximately 45% of print monographs in the CUL collection published since 1990 have circulated at least once to date; approximately 55% of these books have never circulated.

Report of the Collection Development Executive Committee Task Force on Print Collection Usage Cornell University Library . Submitted to the Collection Development Executive Committee October 22, 2010 (revised November 22, 2010). http://staffweb.library.cornell.edu/system/files/CollectionUsageTF_ReportFinal11-22-10.pdf



Report of the Collection Development Executive Committee Task Force on Print Collection Usage Cornell University Library . Submitted to the Collection Development Executive Committee October 22, 2010 (revised November 22, 2010). http://staffweb.library.cornell.edu/system/files/CollectionUsageTF_ReportFinal11-22-10.pdf

2 New world, new metrics

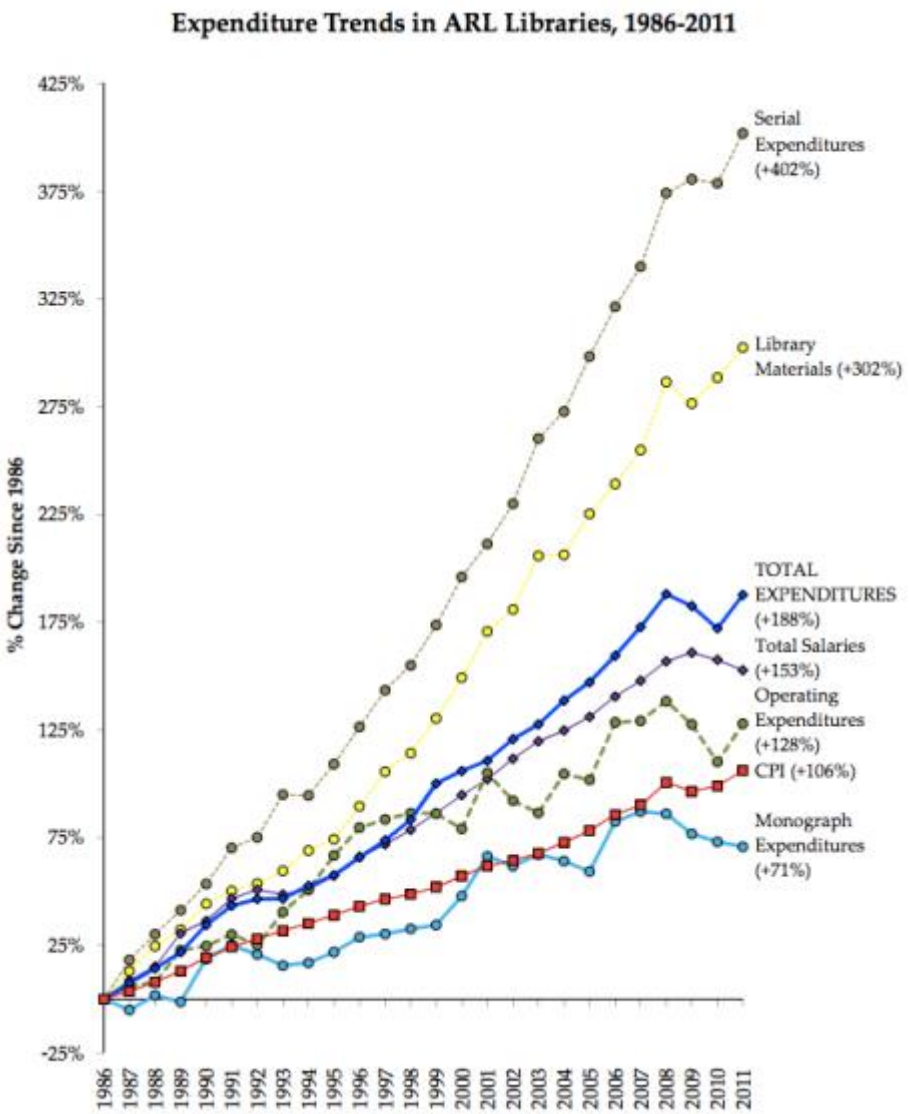
Traditional metrics

- Volumes held
- Current serial titles
- Total expenditure
- Gate count
- Loans
- Reference enquiries
- Presentations

Desired metrics

- Impact on student enrolment, retention and success
- Impact on learning
- Contribution to faculty research output
- Altmetrics for faculty
- Support for grants
- Support faculty teaching

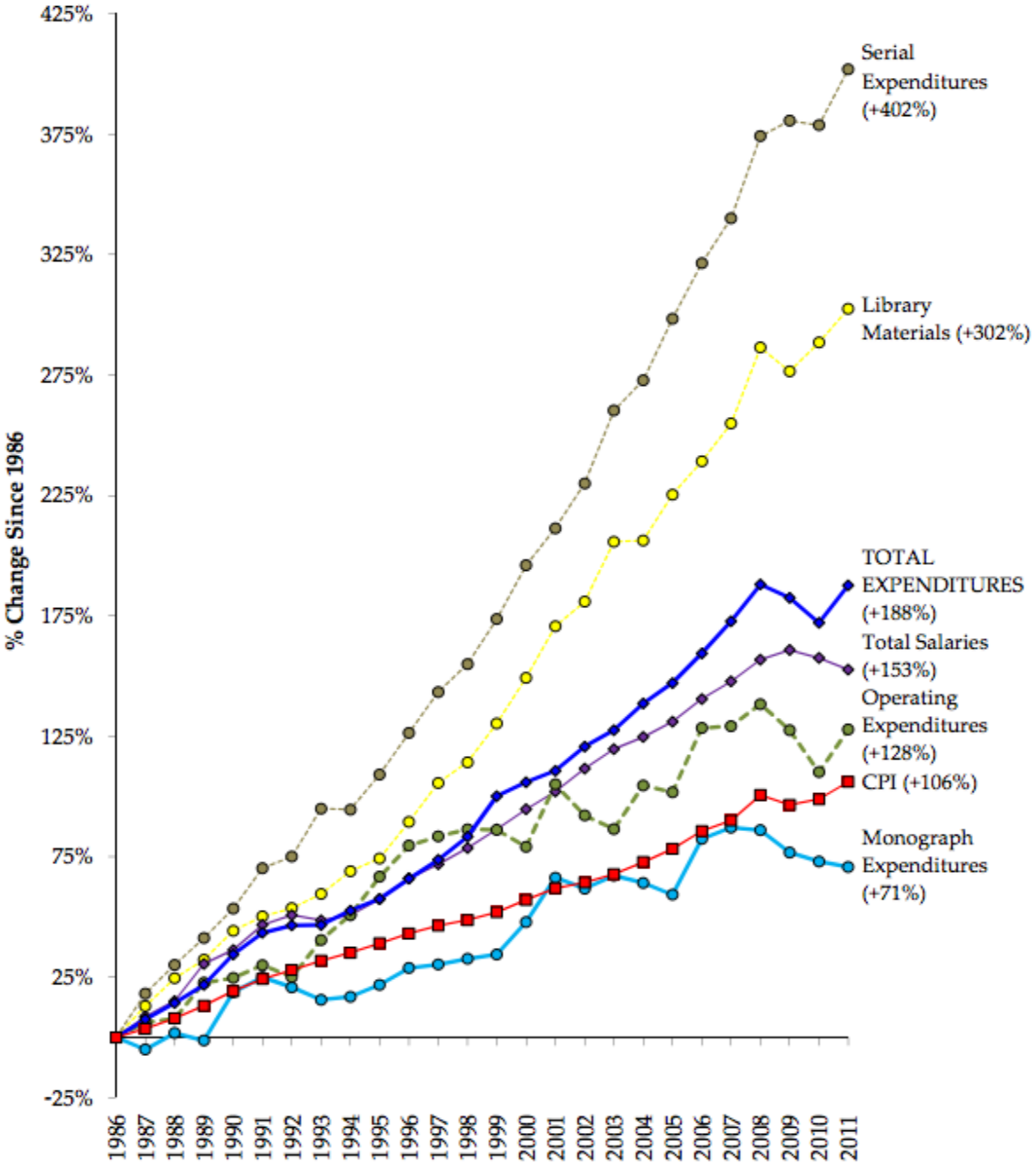
3 Rising Journal Costs and Open Access

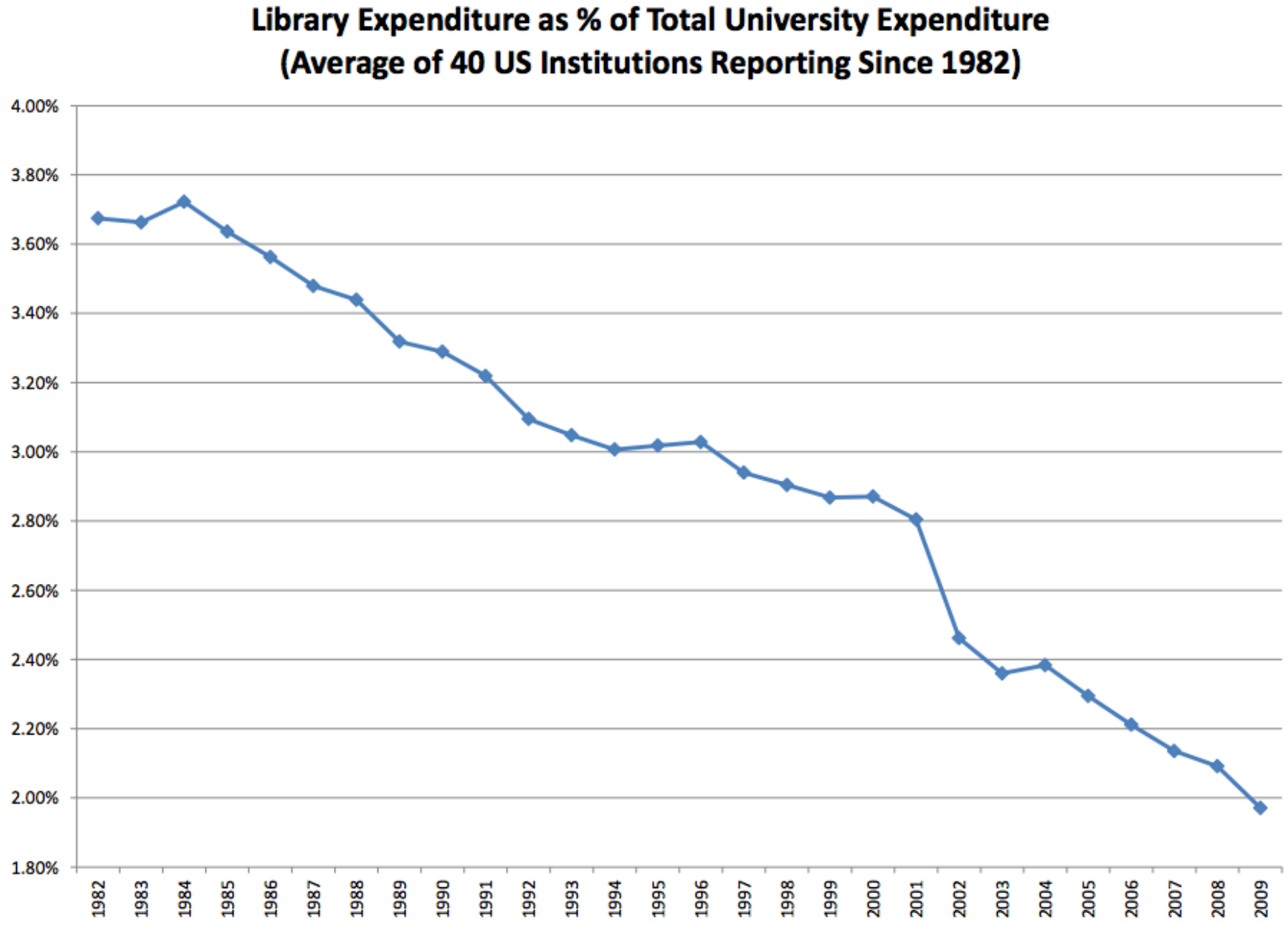


DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

OpenDOAR

Expenditure Trends in ARL Libraries, 1986-2011




Library Expenditure as % of Total University Expenditure
(Average of 40 US Institutions Reporting Since 1982)
4.00%
3.80%
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3.00%
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2.60%
2.40%
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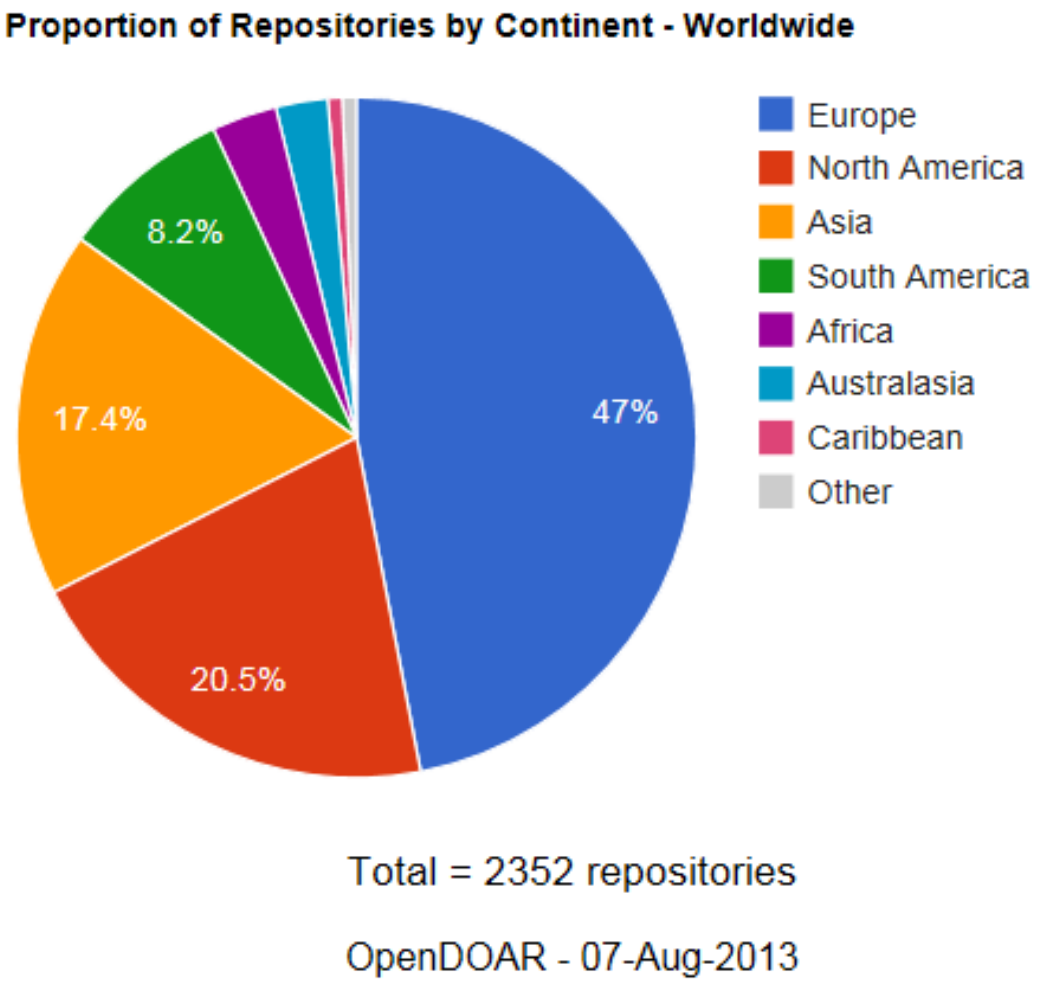
*Open*DOAR



From : The Directory of Open Access Repositories – *Open*DOAR, http://www.opendoar.org/index.html

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

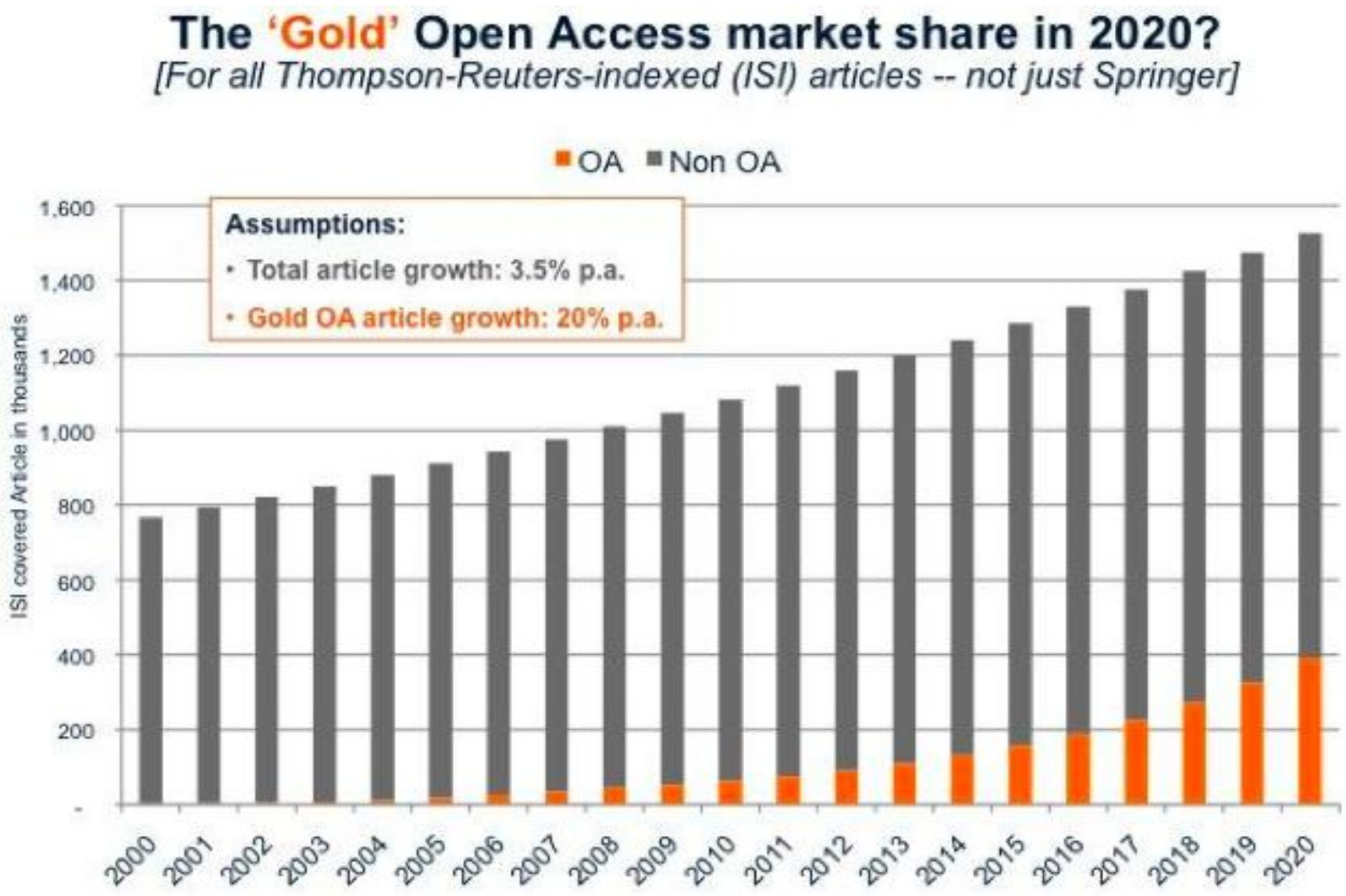
9947 journals

5103 journals searchable at article level

120 Countries

1162516 articles

From: http://www.doaj.org/



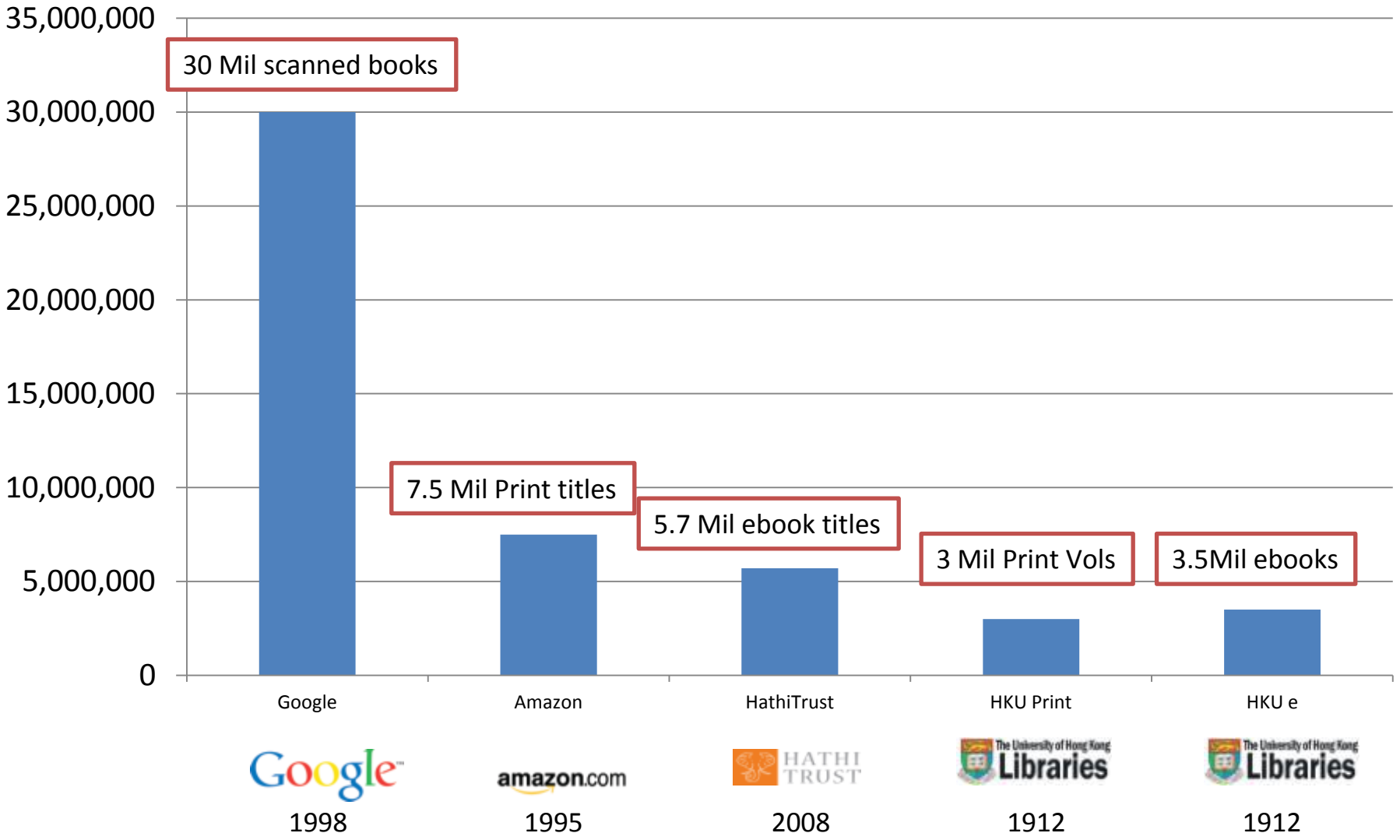
Projections of Gold OA Growth for ISI-indexed journal articles (data from Springer publishers). Growth will reach 27% of all journal articles by 2020.

http://www.richardpoynder.co.uk/Open_Access_By_Numbers.pdf

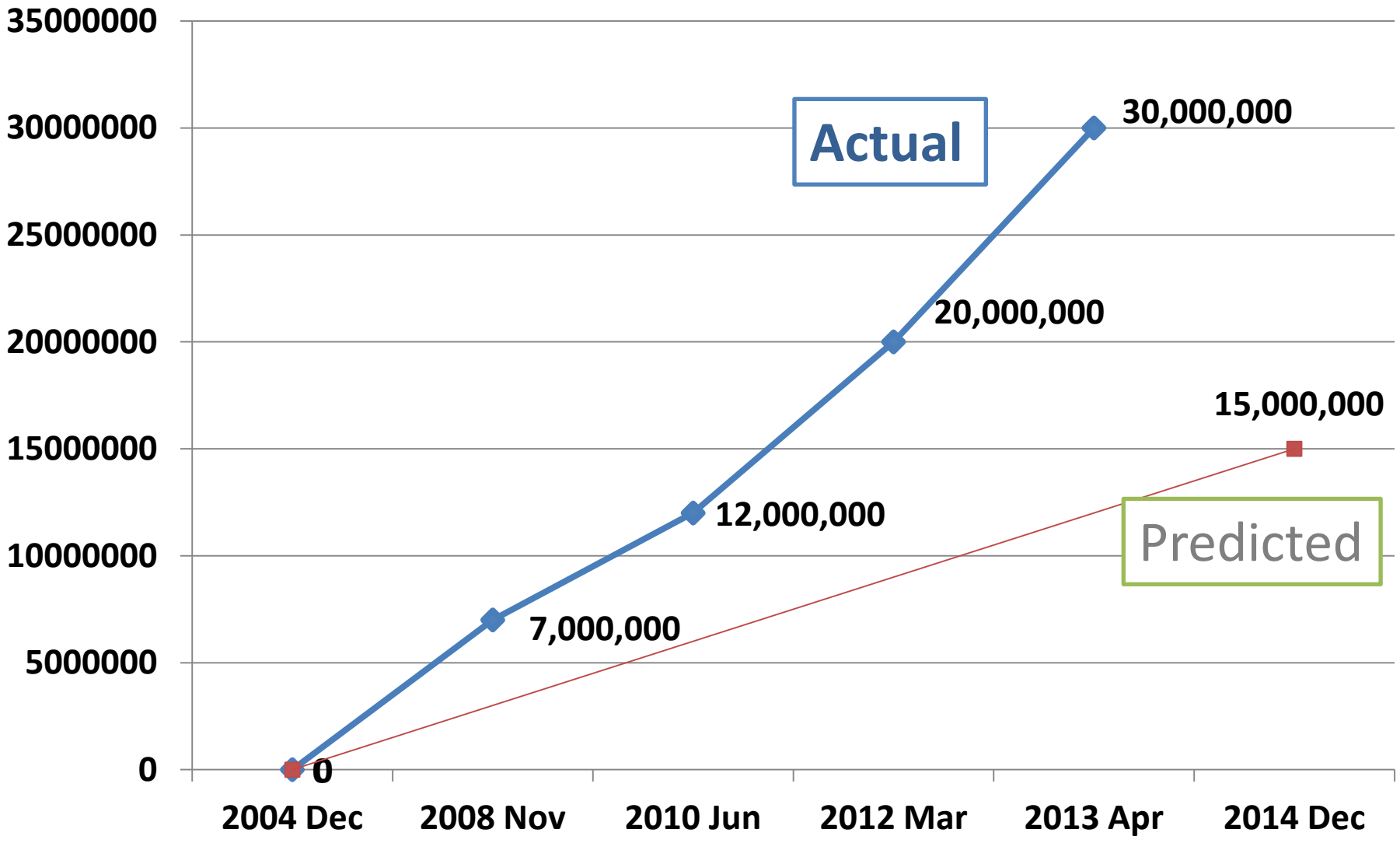
4 Viable Alternatives: Faster Growth, Easier Access

"… Google plans to digitize and make available through its Google Books service approximately *15 million volumes within a decade"* (December 2004 press release).

Growth and access!

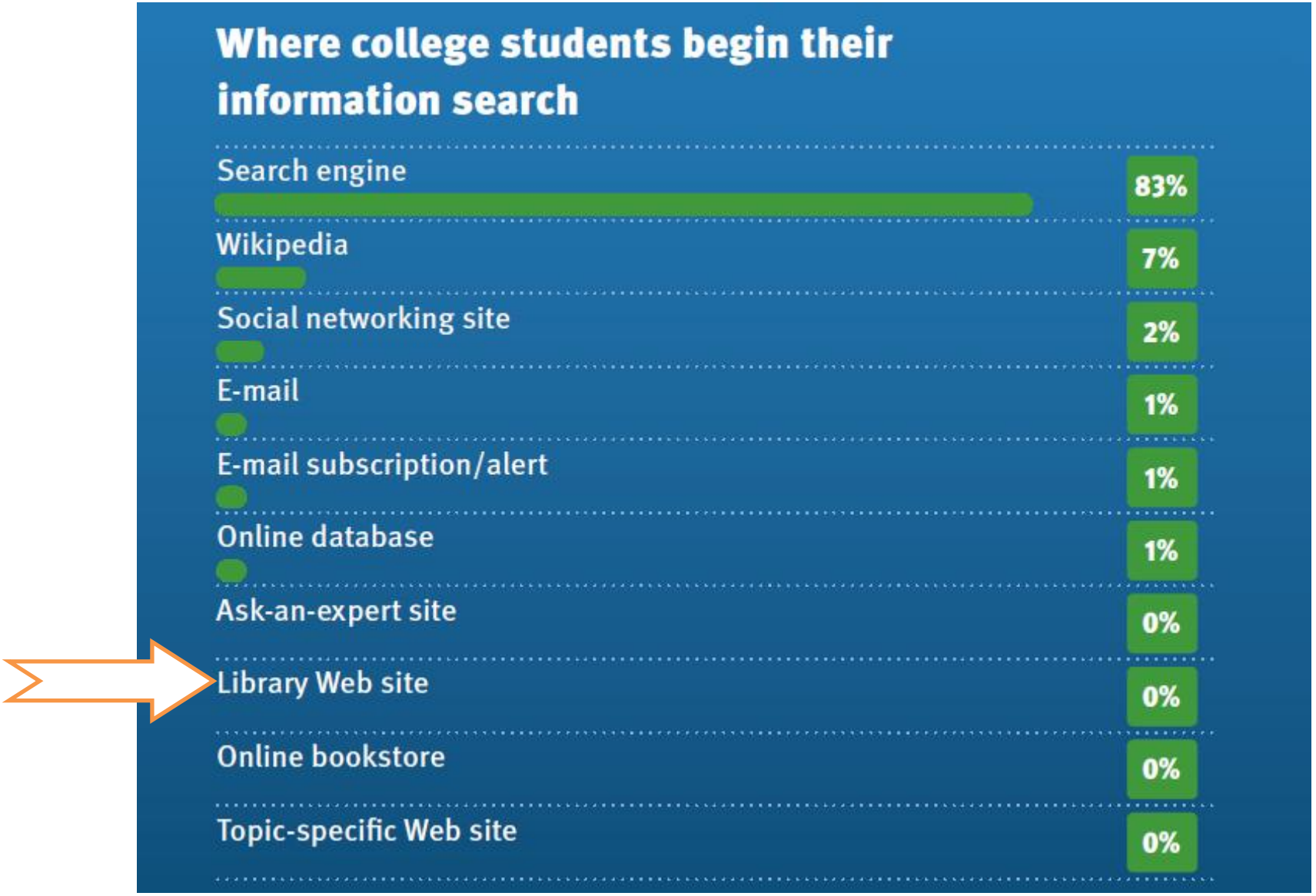


Growth in Google Books



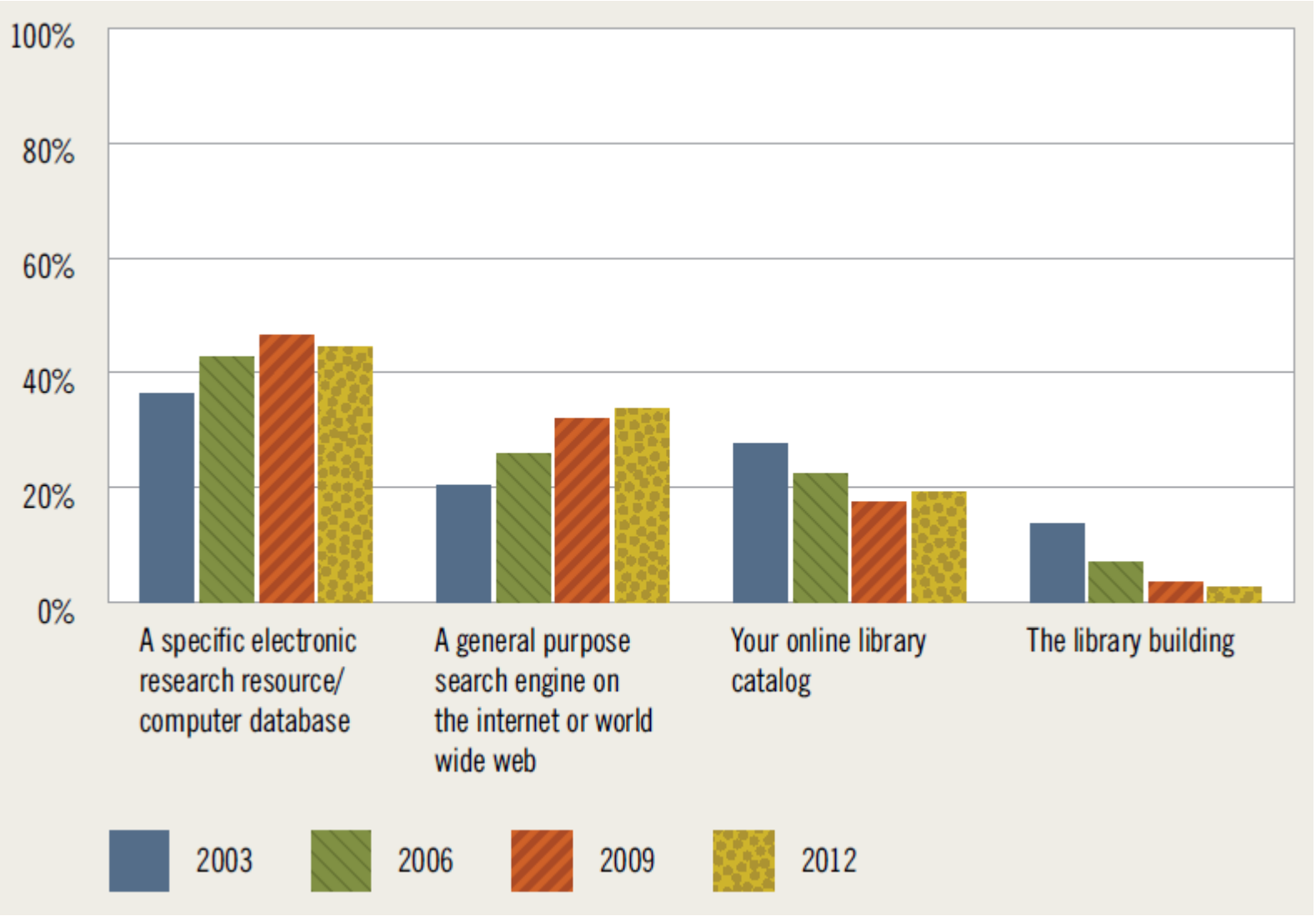
5 Declining Demand for Traditional Library Services

- Research support
- Reference
- Lending services
- Interlending
- Acquisitions
- Cataloguing and processing
- …



OCLC, *Perceptions of Libraries, 2010: Context and Community, A report to the OCLC Membership*, 2010. http://www.oclc.org/reports/2010perceptions.en.html

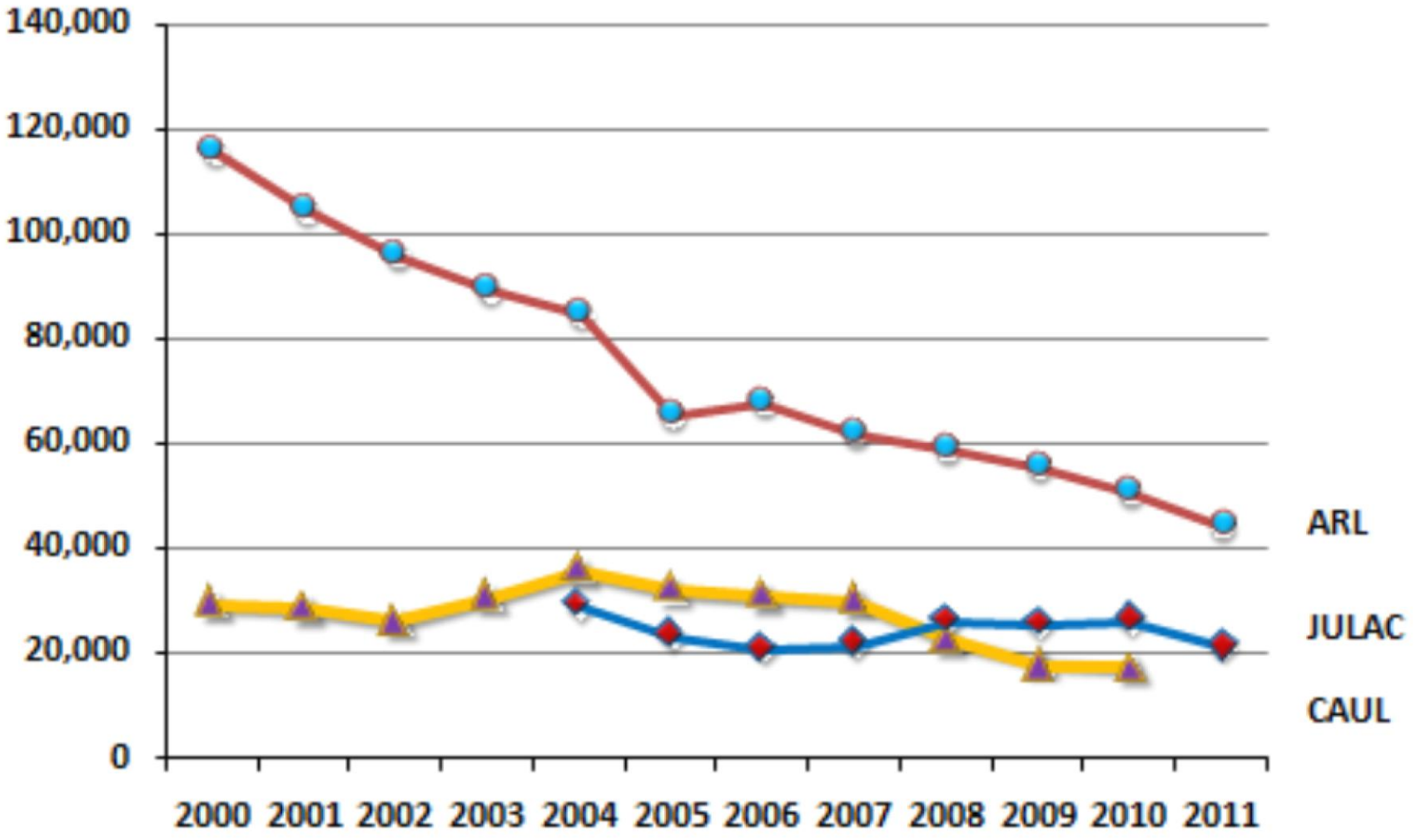
Where do faculty begin their research?



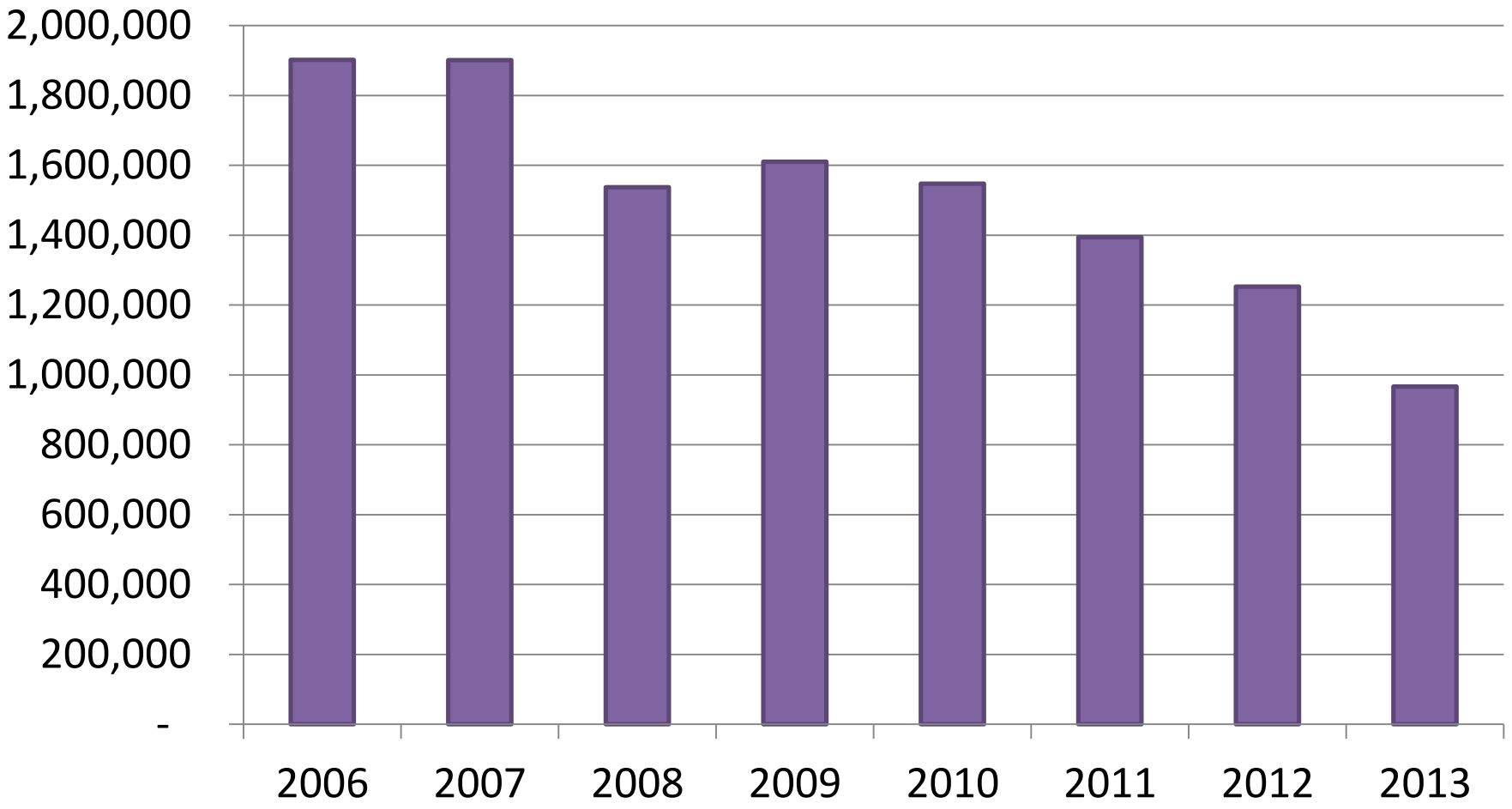
From: Ithaka S+R US Faculty Survey 2012,

Reference Transactions

Australia: CAUL; North America: ARL; Hong Kong: JULAC

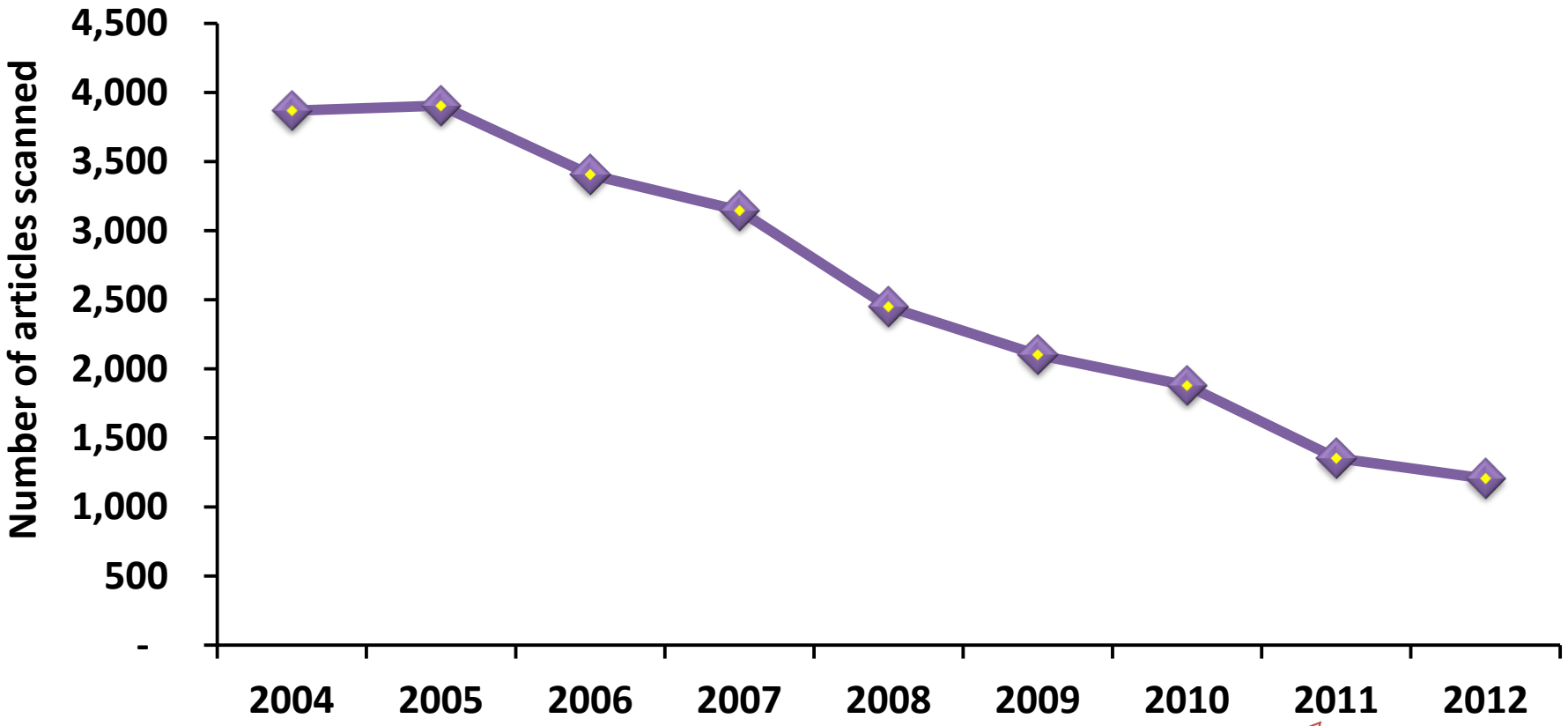


Use of *Print* Materials: HKU



HKU Remote storage usage

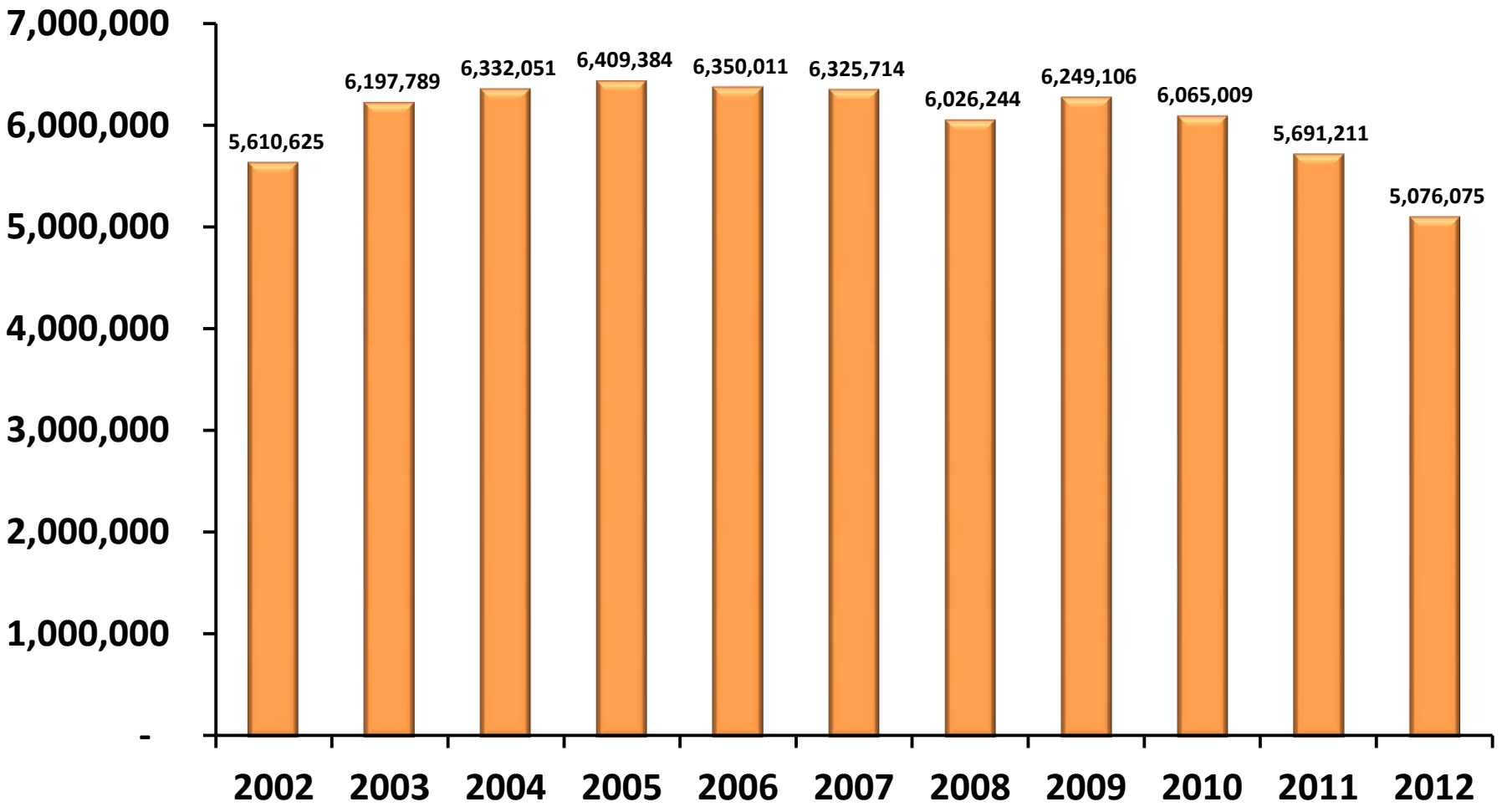
Articles Delivered



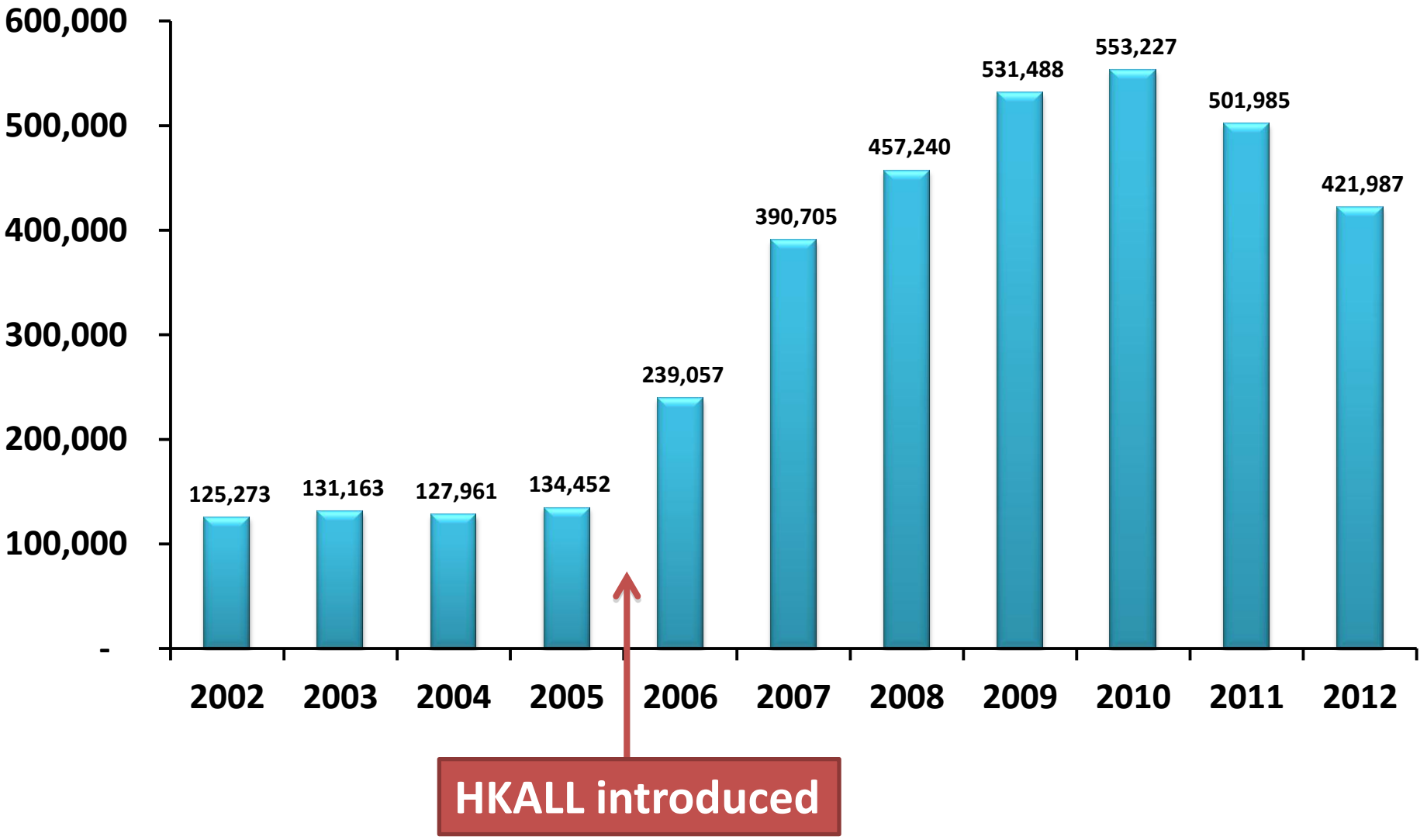
Down 68.8% in 9 years

JULAC
香港特別行政區大學圖書館長聯席會
Joint University Librarians Advisory Committee

Hong Kong JULAC Libraries
Total Circulation Transactions



Hong Kong JULAC Libraries Interlibrary Loans



6 New Patron Demands Stretch Budget and Organizational Culture

- Collaborative physical spaces for Undergraduates
- Browsable collections for humanities
- Electronic resources for STM
- Mobile applications
- Expanding special collections
- Digitising special collections
- Etc…

(some) Implications for Libraries

1. Collections and collection building
2. Library spaces
3. Librarian's new roles and skills
4. Collaborative networks

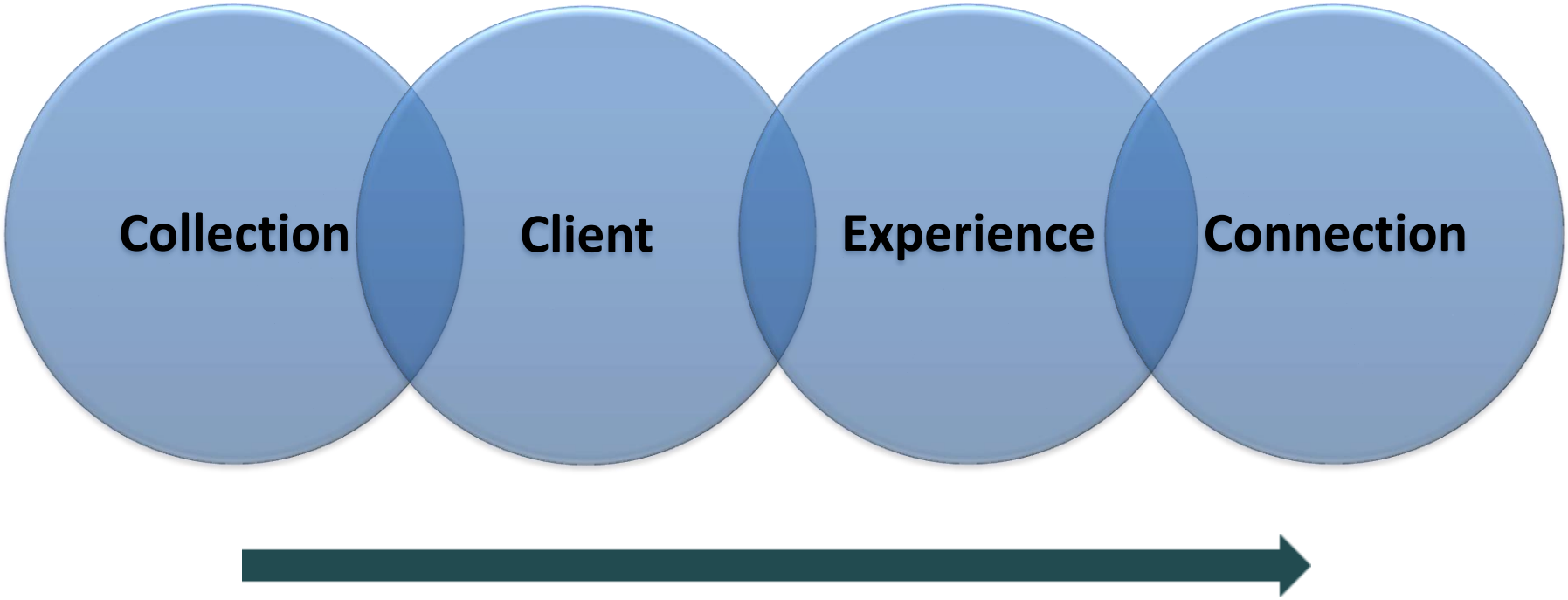
Collections and collection building

Key issues

- User driven collections
- Article rentals
- Unbundling of journals down to article level
- PPV
- Ad-supported content
- “Spotify”cation of scholarly resources
- New content types:
  - raw data
  - peer reviews

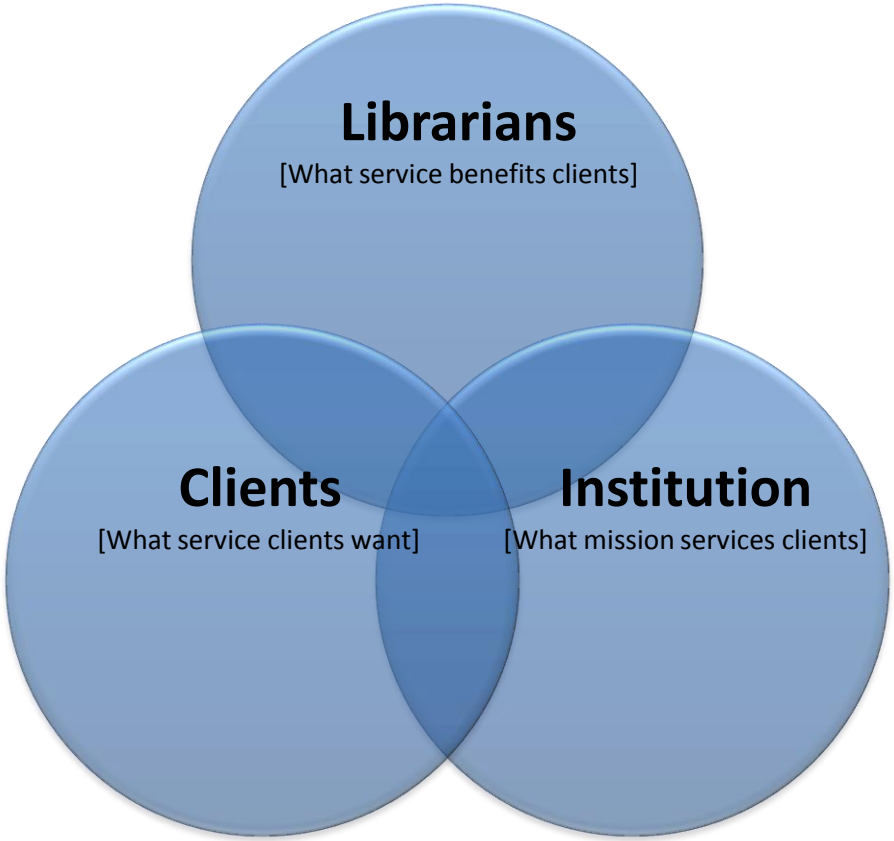
Library spaces

The evolution of the Library as place



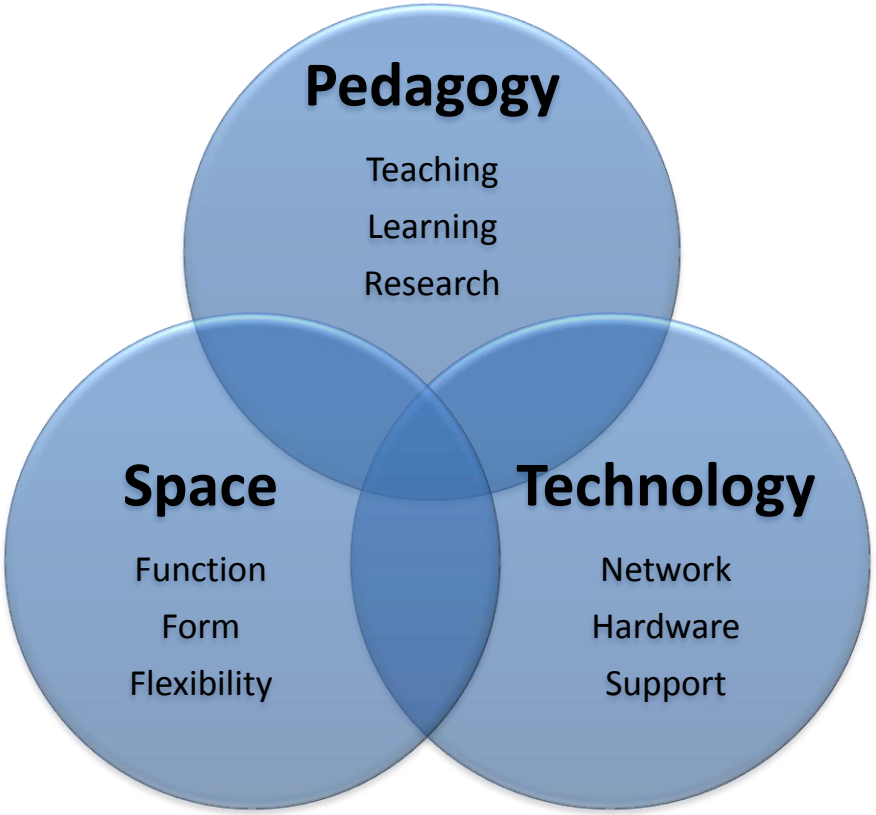
Freeman, G. T. (2005) The Library as place: Changes in learning, patterns, collections, technology and use. In *Library as place: rethinking roles, rethinking space.* Washington, CLIR.

Who informs Library as place?



Bennett, S. (2007) Designing for uncertainty. *Journal of Academic Librarianship, 33* (2), 165-179.

What informs Library as place?



Radcliffe D. (2008) Designing next generation places of learning: Collaboration at the pedagogy-space-technology nexus. *The University of Queensland.*

Library as Place

- Content, technology and services are seamlessly integrated
- Flexible - technology, furniture, services, etc
- Allow users to self-navigate easily
- Zoning for group/collaborative and individual users
- Environmentally friendly
- Equality of access
- 24 x 7
- Shared

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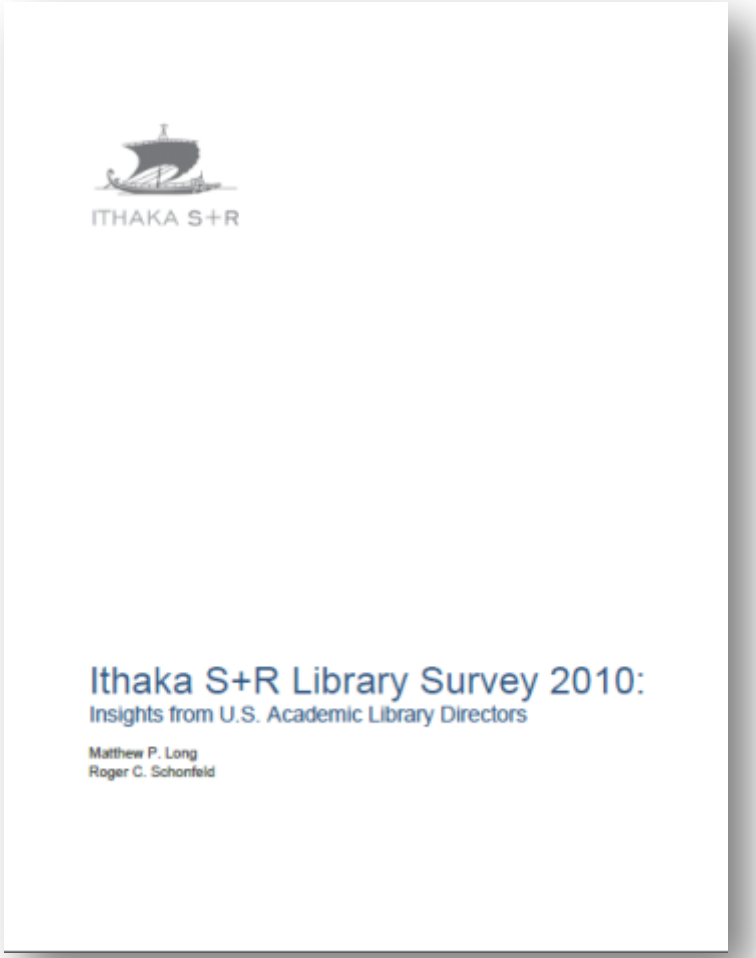
CETL Required Programme

Introduction to Teaching and Learning @ HKU

10 Sept 2013 (Tue) 9:30am - 3:30pm
Multi-purpose Zone, 3/F, HKU Main Library

Librarian’s new roles and skills

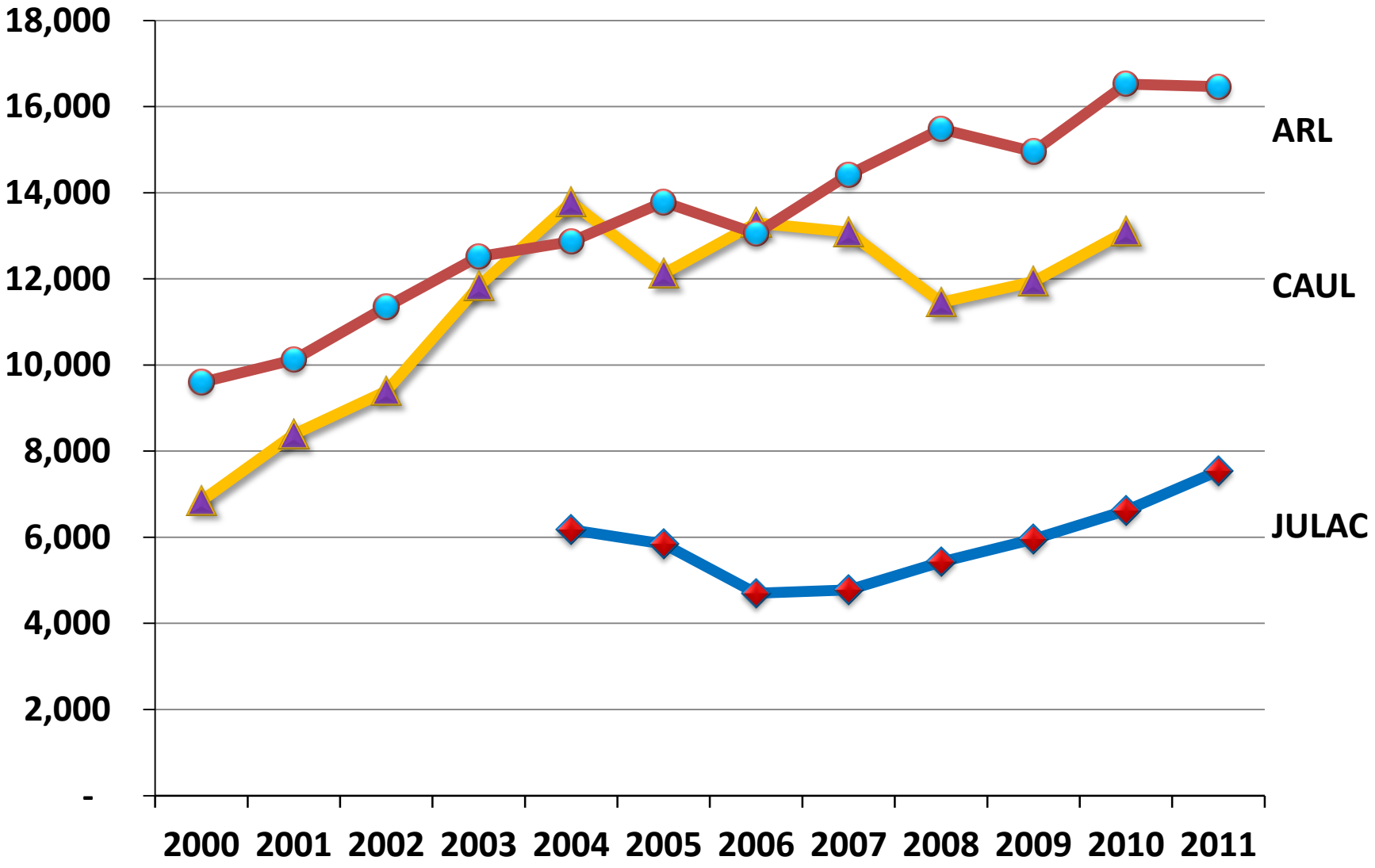
Ithaka *Library* Survey 2010



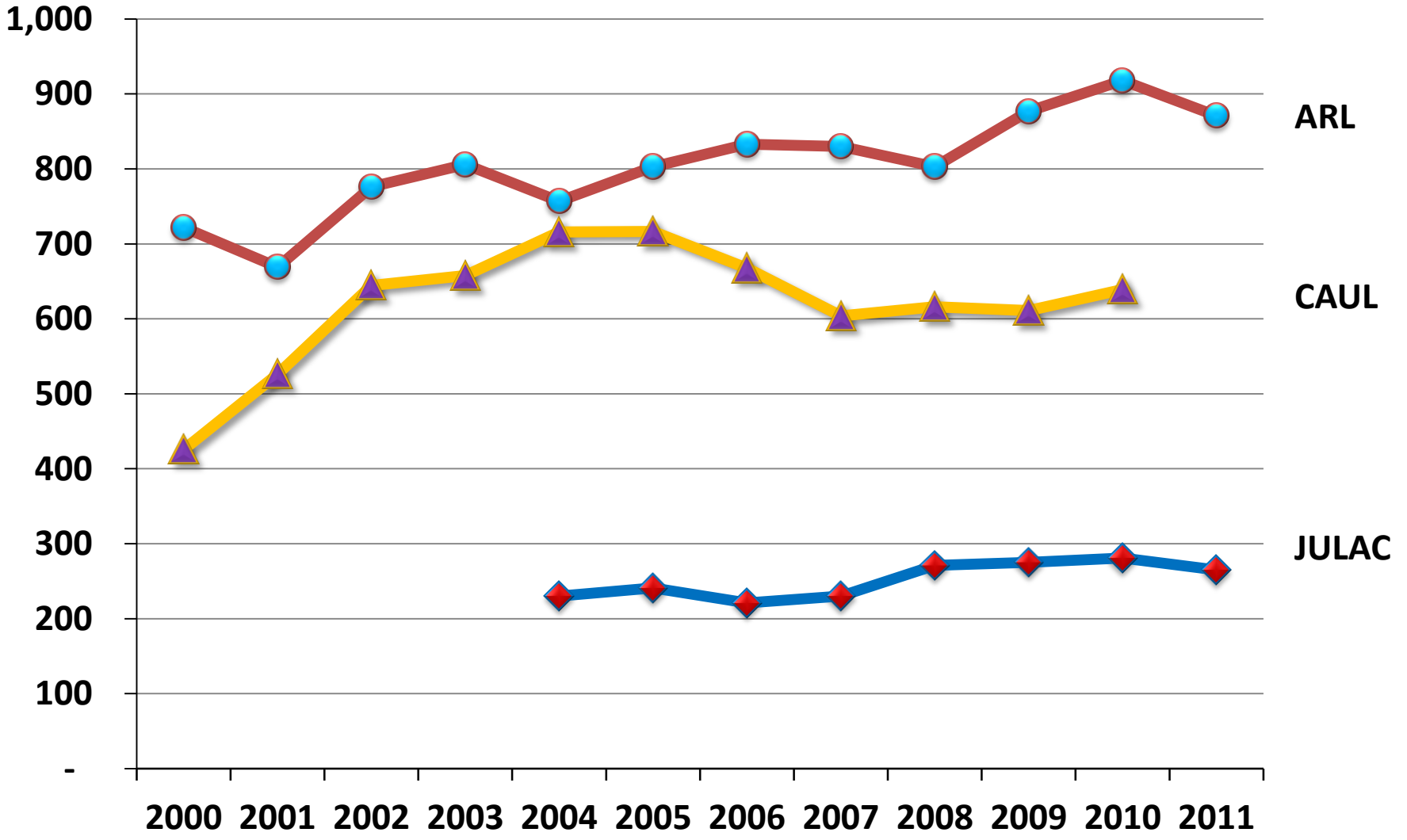
- Priority for teaching and research support but less for acquisition
- **Growth in information literacy and support for classroom instruction**

http://www.ithaka.org/ithaka-s-r/research/ithaka-s-r-library-survey-2010/insights-from-us-academic-library-directors.pdf

Participants in Group Presentations (Median)



Number of Group Presentations (Median)



A Slice of Research Life: Information Support for Research in the United States

- **Grant** Opportunities
- Managing **Intellectual Property** and Exploiting **Commercial Value**
- Finding **Collaborators** and Increasing **Visibility**
- **Management** and **Storage** of Documents and Data Sets
- Improving Information **Retrieval and Management Skills**

http://www.oclc.org/research/news/2010-06-16.htm

A Slice of Research Life: Information Support for Research in the United States

- **Managing Citations**
- **Where to Publish** or **Alternative** Forms of Dissemination
- Support for **Promotion** and **Tenure**
- **Managing** Pre-prints, Publications, and Post-prints

http://www.oclc.org/research/news/2010-06-16.htm

Get in the flow …

Collaborative networks

- “Civilization exists within the context of … irresolvable tension born of compromise. To reap the benefits of a civilized existence, we need to curb certain natural tendencies. **Library consortial activities … embody and reveal *several irresolvable tensions***.“
    - Peters, Thomas A. “Consortia and their discontents.” *Journal of Academic Librarianship*, 29:2 111-114, March 2003

Typical obstacles to collaboration

- "rivalry and competition, mistrust and jealousy, politics and personalities, different institutional priorities and indifferent institutional administrators, unequal development and parochialism … negative attitudes, such as skepticism, fear of loss, reluctance to take risks, and the **pervasive lack of tradition of cooperation**"
  - Fe Angela M. Verzosa, The future of library cooperation in Southeast Asia, p.7, *2004 Asian Library and Information Conference (ALIC)*, 21 -24 November, 2004. Bangkok, Thailand

Collaboration Networks

- Librarians
- Libraries
- Faculty
- Curriculum designers
- Students
- Museums
- Student support services
- Teaching support units
- Learning technologists
- Pedagogical units
- Publishers
- Community
- Technology vendors

TE PŌKAI TARA
UNIVERSITIES
NEW ZEALAND
ICOLC
International Coalition
of Library Consortia
SOLINET
Solutions for Innovative Networks!
C·A·U·L
Council of
Australian University Librarians
MCLS
MIDWEST
COLLABORATIVE
for LIBRARY
SERVICES
LYRASIS
Advancing Knowledge
CAVAL
Linking Leading Libraries
CONSAL
CONGRESS OF SOUTHEAST ASIAN LIBRARIANS
JULAC
香港特別行政區大學圖書館長聯席會
Joint University Librarians Advisory Committee
OCLC™
RLUK
Research Libraries UK
IFLA
INFORMATION
for live
ARL
Association of Research Libraries
Thai Library Collaboration Network (TLCN)

navigation
- Main Page
- Browse categories
- Community portal
- Random page
- Recent changes
- Help

search
Go Search

toolbox
- What links here
- Related changes
- Special pages
- Printable version
- Permanent link

Alphabetical List of Library Consortia

Contents [hide]
1 Consortia of Consortia
2 Library Consortia
2.1 Library Consortia - A
2.2 Library Consortia - B
2.3 Library Consortia - C
2.4 Library Consortia - D
2.5 Library Consortia - E
2.6 Library Consortia - F
2.7 Library Consortia - G
2.8 Library Consortia - H
2.9 Library Consortia - I
2.10 Library Consortia - J
2.11 Library Consortia - K
2.12 Library Consortia - L
2.13 Library Consortia - M
2.14 Library Consortia - N
2.15 Library Consortia - O
2.16 Library Consortia - P
2.17 Library Consortia - Q
2.18 Library Consortia - R
2.19 Library Consortia - S
2.20 Library Consortia - T
2.21 Library Consortia - U
2.22 Library Consortia - V
2.23 Library Consortia - W
2.24 Library Consortia - X
2.25 Library Consortia - Y
2.26 Library Consortia - Z

Consortia of Consortia [edit]

- USA Consortia Directory from Libweb.
- ICOLC International Coalition of Library Consortia

Library Consortia [edit]

This list is in progress

Library Consortia - A [edit]

- Academic Business Library Directors (ABDL)
- Academic Libraries of Indiana (ALI)
- Adventist Library Information Cooperative (ALICE)
- The Alberta Library (TAL)
- Alerta a Conocimiento
- Alliance for Innovation in Science & Technology Information (AISTI)
- American International Consortium for Academic Libraries (AMICAL)
- Anadolu Üniversite Kütüphaneleri Konsorsiyumu (ANKOS) in English: Anatolian University Libraries Consortium
- Arizona Health Information Network (AZHIN)
- Arizona University Libraries Consortium (AULC)
- ARKlink Consortium of Arkansas Academic Libraries
- Association of Southeastern Research Libraries (ASERL)

Library Consortia - B [edit]

- Base de Datos Unificada (BDU)
- Bayern-Konsortium
- Biblioteca Electrónica de Ciencia y Tecnología de la República Argentina (BE-MINCYT)
- Bibliothèque interuniversitaire de la Communauté française de Belgique (BICfB)
- Consortium of University and Research Libraries (BIBSAM-Sweden)
- Boston Library Consortium (BLC)
- Botswana Libraries Consortium (BCL)

The power of collaboration

OCLC The world's libraries. Connected.™

Member Update

The latest news and events from the OCLC cooperative

WorldCat database reaches 2 billion holdings

University of Alberta adds 2 billionth holding to world's most comprehensive online library catalog

WorldCat, the most comprehensive online database of resources available through libraries around the world, has reached another major milestone with the addition of its 2 billionth holding.

On Saturday, May 4, at 2:58 a.m. (MDT), the holding symbol for the University of Alberta Libraries, in Edmonton, was set through an automated process to the WorldCat record for the e-book, *Evaluation of the City of Lakes Family Health Team Patient Portal Pilot Project: Final Report*, published in 2012 by the Centre for Rural and Northern Health Research. It was the 2 billionth holding set in WorldCat. The e-book catalog record was created by the Canadian Electronic Book Library, an e-book provider in Canada, and was enhanced through OCLC's automated authority control processing system.

Successful collaborative efforts have:

- Benefit for all the participants
- Well defined relationships
- Common goals
- Commitment of the organizations leaders
- Comprehensive planning, including:
  - development of joint strategies and
  - measures of success i.e. benefits to the user
  - mutual risk
- Shared resources or jointly contracted
- Distributed benefits – more is accomplished jointly than could be individually

Successful collaborative efforts have:

- A recognised need
- Positive attitudes
- Communication
- Resources
- A plan with vision, mission and goals
- Technology (some times)

Technology is changing the information landscape but it now also enables “deeper” collaboration than was previously possible.

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FULL-TEXT | CATALOG

Search words about or within the items | All Fields | Search

Advanced full-text search | Search tips

Full view only

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Radical collaboration

"The future health of the research library will be increasingly defined by new and energetic relationships and combinations, and the radicalization of working relationships among research libraries, between libraries and the communities they serve, and in new entrepreneurial partnerships"

– Neal, J.G. Advancing from Kumbaya to radical collaboration: redefining the future research library, in *Transforming Research Libraries for the Global Knowledge Society* (B.I. Dewey (ed.), Oxford: Chandos, 2010 (p. 13).

LIBRARYJOURNAL

Google™ Custom Search Search

Cornell, Columbia Libraries Integrate Infrastructure

By Meredith Schwartz on January 30, 2013 1 Comment

2CUL also plans to review policies, practices, workflows, and job responsibilities at each institution, with an eye toward reconciling them as much as possible (some workflows will be similar enough to support work sharing); drafting best practices and guidelines; and adopting a new organizational structure and culture.

Kenney, Cornell's Carl A. Kroch University Librarian, "Eventually, both units will operate as part of one whole."

departments, thanks to a three year, $350,000 grant from the Andrew W. Mellon Foundation. Said Anne R. Kenney, Cornell's Carl A. Kroch University Librarian, "Eventually, both units will operate as part of one whole."

Today, approximately 20 percent of library staff at both Columbia and Cornell is devoted to technical services work. That number may shift in the future as new priorities emerge out of the collaboration efforts, but Kenney emphasized, "the integration is not intended to reduce staff, but rather to engage them in addressing unmet challenges and new approaches." Xin Li, co-director for the 2CUL Project,

"OCLC's cloud-based library management services enable libraries to ***share infrastructure costs and resources as well as to collaborate in new ways***"

Intota™

OCLC WorldShare™

Possible areas for *deep collaboration*

- Collection building – distributed collection profiles
- Acquisition processes
- Cataloguing
- Preservation and conservation
- Binding
- Reference
- Storage
- Administration
- ….

New collaborative networks created by librarians for clients: The Rise of the CRIS (Current Research Information System)

IR → CRIS

- …a database or other information system storing data on current research by organizations and people, usually through some kind of project activity, financed by a funding programme
- for researchers: easy access to relevant information
- for research managers and administrators: easy measurement and analysis of research activity and easy access to comparative information
- for research councils: optimisation of the funding process
- for entrepreneurs and technology transfer organizations: easy retrieval of novel ideas and technology and identifying competitors
- for the media and public: easy access to information … to allow easily-assimilated presentation of research results in appropriate contexts
  - From Wikipedia

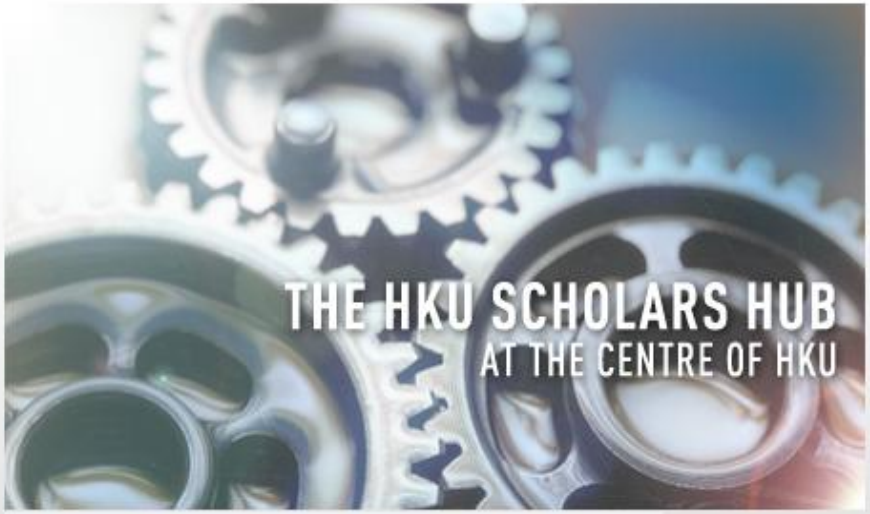
The University of Hong Kong

The HKU Scholars Hub 香港大學學術庫

HELP

· HKU LOGIN
· GUEST LOGIN

HKU100 CENTENARY



The HKU Scholars Hub is the institutional repository of The University of Hong Kong. As a key vehicle of HKU's Knowledge Exchange Initiative, The Hub strives to make HKU authors and their research very visible, with the goal of increasing all forms of collaboration.

Do you want to see your publications in the Hub?

Please CONTACT US

QUICK SEARCH OF THE HUB

Search the author, title, abstract and series fields.

> search

FEATURED SCHOLAR

Professor Wang, M

· Professor

Research Interests:

· Composite materials
· Materials/systems for controlled release of drugs/biomolecules
· Surface engineering
· Nanotechnology
· Biomechanics

+ MORE

HUB NEWS

Mar 2013: Membership in professional societies added to ResearcherPages.

Mar 2013: Affiliations for coauthors shown when known. An example

Feb 2013: Grant data added to publication records when known. An example

Jan 2013: Web service for extracting Hub data. Interested? Write!

More

RELEVANT LINKS

· HKU's Top 1%
· HKU Authors: OA Publishing
· Usage Stats & Downloads
· HKU most cited articles in Scopus
· HKU research on Web of Science
· HKU Research & Scholarship
· HKU Libraries OA Policy
· HK Open Access Committee
· Open Access Tracking Project

HKU ResearcherPage: Wang, Min

Profile

- Contact Information

Publications

- Conference Papers (286)
- Book Chapters (11)
- Books (2)
- Articles (107)

Networks of Collaboration

- Visualized
- Tabulated

Achievements

- Media Contact Directory
- Professional Qualifications
- Professional Societies
- HKU Committee Appointments
- Community Service
- Supervision of Research Postgraduate Students
- Honours, Awards & Prizes
- Editorship

Grants

- Principal Investigator
- Co-Investigator

Bibliometrics

- External Metrics
  - Monthly Increases
- Internal Metrics
  - Monthly Increases

Contact Information

Tel: 2859 7903

Office: HW 723

Dept: Dept of Mechanical Engg

Faculty: Faculty of Engineering

Professor Wang, Min R
王敏

- **Professor**

Research Interests: (click to check for cognate researchers)

- Composite materials
- Materials/systems for controlled release of drugs/biomolecules
- Surface engineering
- Nanotechnology
- Biomechanics
- In vitro and in vivo evaluation of biomaterials
- Biomedical materials (in various forms: single phase or composite, dense or porous, bulk or coating, particulate or fibrous, single crystals)
- Engineering ceramics
- Processing, structural characterisation and mechanical testing of materials (ceramic, metals, polymers, and composites).
- Tissue engineering

My URLs:

- Personal Page
- Biography

Also Cited As:

Wang, M

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SEARCH RESULTS

Refine your search

Departments

- Dept of Chemistry (1)
- Dept of Electrical & Electron... (1)
- Dept of Mechanical Engg (1)
- Dept of Pharmacology & Pharmacy (1)
- Engineering Faculty (1)

Faculties

- Faculty of Engineering (2)
- Faculty of Science (1)
- Li Ka Shing Faculty of Medicine (1)

Search in ResearcherPage Profiles

for crisrp.interests:"Nanotechnology"

> Search

Add filters:

Use filters to refine the search results.

Title/Name | Contains | > Add

RESULTS 1-4 OF 4 (SEARCH TIME: 0.0010 SECONDS).

1

HKU RPid	Academic Name	Chinese Name	Department
rp01604	**Tien, NC**	田之楠	**Dept of Electrical & Electronic Engg; Engineering Faculty**
rp00697	**Fung, YS**	馮應昇	**Dept of Chemistry**
rp01540	**Kwok, PCL**	郭智獵	**Dept of Pharmacology & Pharmacy**
rp00185	**Wang, M**	王敏	**Dept of Mechanical Engg**

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HKU Researcher

Professor Wang, Min
Professor
Dept:Dept of Mechanical Engg

Degree of Separation

- [x] *Co-authors* 2
- [ ] *Co-author Affiliations* 2
- [ ] *Co-investigators* 2
- [ ] *Keywords in grants* 2
- [ ] *Keywords in publications* 2
- [ ] *Grants disciplines* 2

- [ ] Show external researchers

Nodes equally positioned

So, KF
Wu, W
Tipoe, GL
To, MKT
Ip, MSM
Chan, GCF
Chau, CH
Wong, KKY
CH
Lung, MAKY
Shum, DKY
Leung, FKL
Shum, HC
Luk, KDK
Yeung, KWK
Wang, L
Yang, D
Wang, Min
Chiu, PKY
Zhou, W
Lu, WW
Hu, Y
Chow, SP
Cheung, KMC
Ip, WY
Ngan, AHW
Chan, D
Yip, PSF
Pan, H
Kao, RYT
Yan, CH
Chan, BP
Leung, YL

Chiu, PKY

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External Metrics

ResearcherID		*Scopus*	
Author ID:	C-1584-2009	***Author ID:***	15749714100
Document Count:	121	***Document Count:***	172
Times Cited:	685	***Total Citations:***	2506
Co-authors:	Collaboration Network	***h-Index:***	28
h-Index:	17	***Co-authors:***	147

406 publications indexed in the Hub. Of these:

Web of Science:	77 are found in WoS, with 1887 citations
PubMed:	30 are found in PubMed, with 36 citations
CiteULike:	14 are found in CiteULike, of which 2 bookmarked.

ResearcherPage Statistics: Wang, Min

View Count
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Item View Count
Item Download Count

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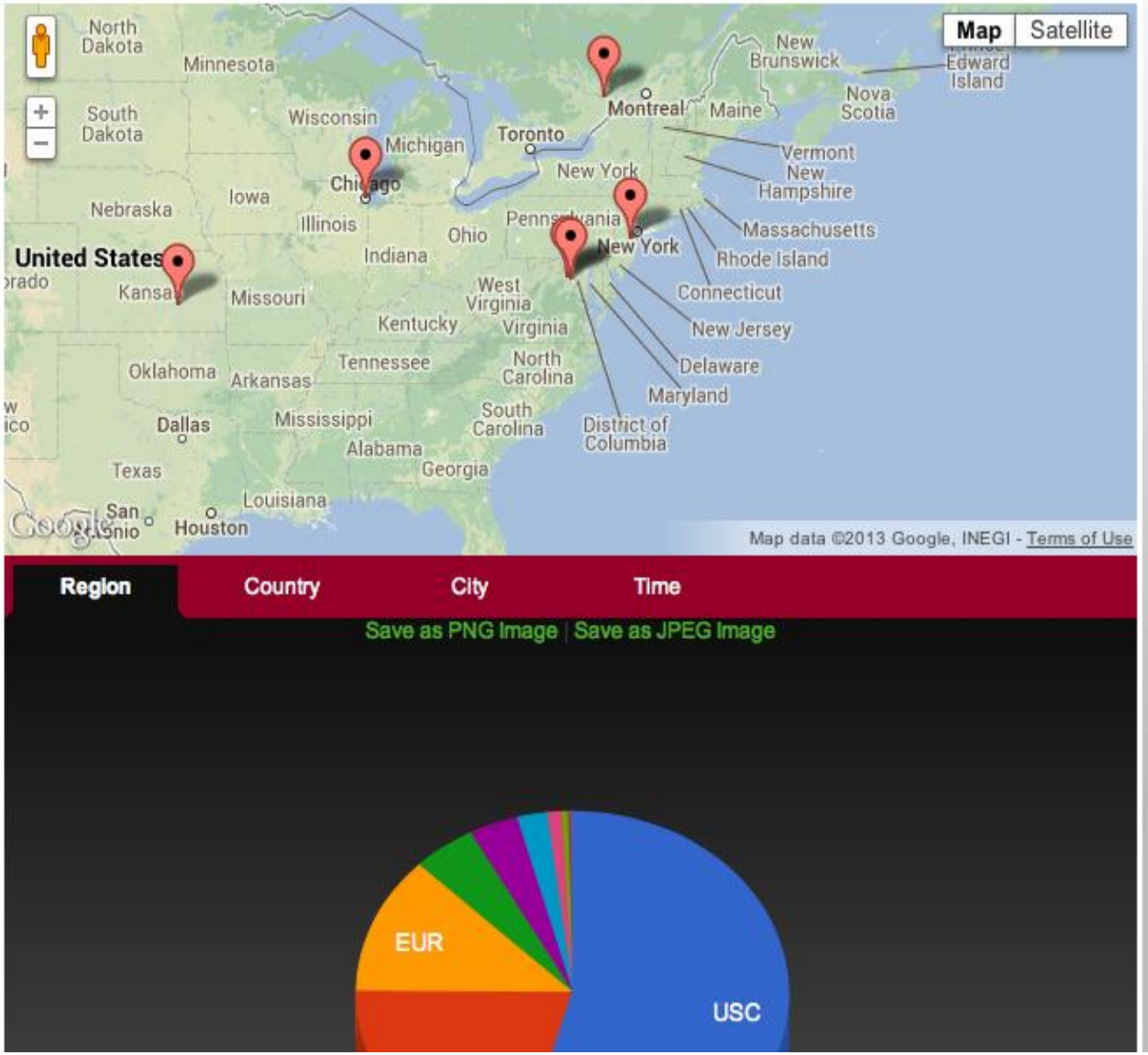
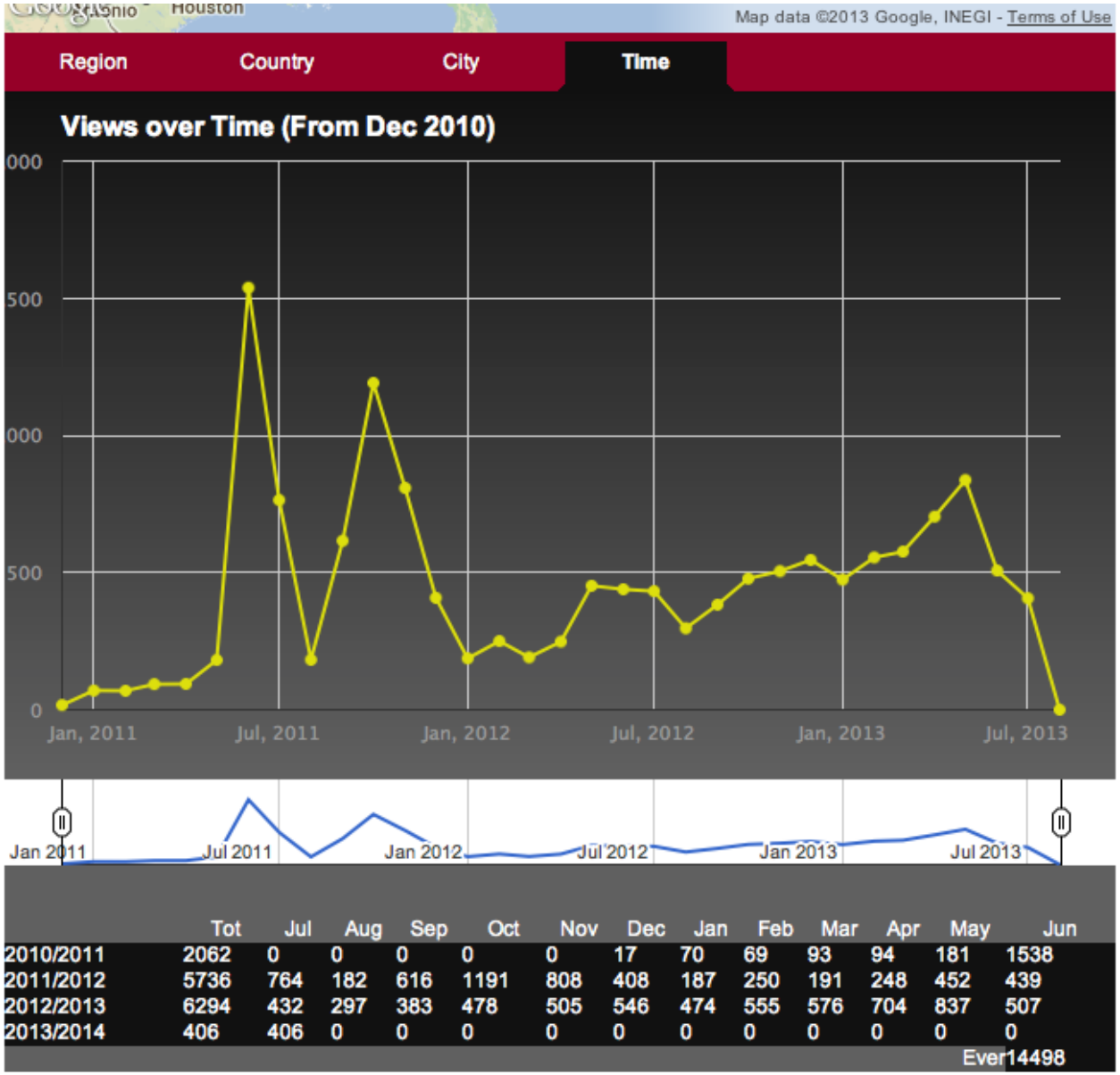
- @ Monthly

Setup RSS Feeds

- Daily
- Weekly
- Monthly

RESEARCHERPAGE VIEW COUNT (FROM DEC 2010)





	Tot	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2010/2011	2062	0	0	0	0	0	17	70	69	93	94	181	1538
2011/2012	5736	764	182	616	1191	808	408	187	250	191	248	452	439
2012/2013	6294	432	297	383	478	505	546	474	555	576	704	837	507
2013/2014	406	406	0	0	0	0	0	0	0	0	0	0	0
												Ever	14498

Concluding thoughts

- New collections and collection methods
- New, innovative and collaborative uses of library spaces
- New roles, skills and attitudes for librarians
- Collaboration is the single most important key to a successful, sustainable future.

Thank you !