e-Journal Archiving: Changing Landscape

Lars Bjørnshauge, Director
European Library Relations, SPARC Europe & Managing Director, DOAJ

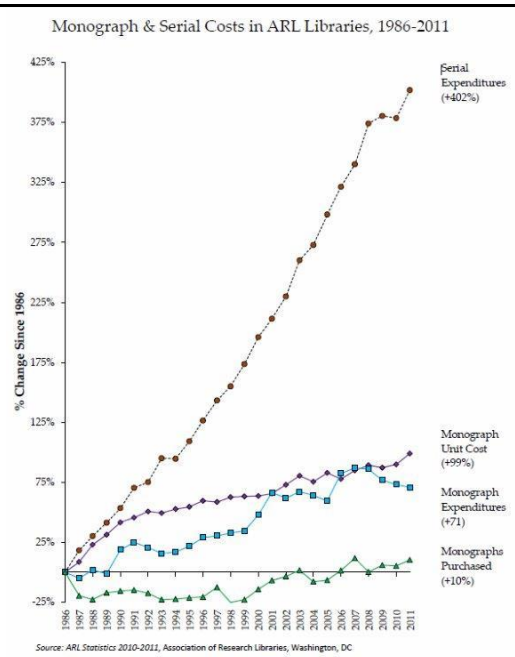
Mark Jordan, Head of Library Systems,
Simon Fraser University Library & Public Knowledge Project (PKP)

Bernie Reilly, President, Center for Research Libraries

Oya Y. Rieger, Associate University Librarian
Digital Scholarship & Preservation Services
Cornell University Library

CNI Fall 2014 Membership Meeting

December 8, 2014



Life of eJournals

- Subscription cancellations and modifications
- Moving from hybrid subscription to digital only
- Changes in publishers' business or service models

digital preservation aims to ensure the usability, authenticity, discoverability, and accessibility of content

- How do we factor in preservation status in our selection & collection building efforts?
- How much do we know about Portico, Lockss, Clockss, etc. and our roles in the success of these operation?
- What does "perpetual access" mean?

- **2CUL Study, Spring 2011**
  - Only 13%-26% of e-journal titles preserved by LOCKSS or Portico
- **Keepers Registry Study, Fall 2012**
  - Only 23-27% of e-journals with ISSNs preserved by any of 7 preservation agencies

Scale - Estimate

- 200,000 e-serial titles
  - 121,000 titles in Cornell
- 113,000 ISSNs assigned
  - 22,000 preserved
    - 13% preserved in Lockss or Portico

Cornell University Search Cornell

Dashboard › CUL Public Wiki › ... › Strategies for Expanding E-Journal Preservation Browse Log In Search

Strategies for Expanding E-Journal Preservation

Tools

1 Added by Oya Yildirim Rieger, last edited by Oya Yildirim Rieger on Sep 09, 2014 (view change)

2CUL Project Team

- **Principle Investigators:** Oya Rieger (Cornell), Bob Wolven (Columbia)
- **Project Lead:** Joyce McDonough, Director, Continuing and E-Resource Management, Columbia
- **E-Journal Preservation Librarian:** Shannon Regan
- **Project Advisory Team:** Robert Wolven and Oya Rieger (the Co-Principal Investigators), Joyce McDonough (Director of Continuing and Electronic Resources Management at Columbia), Bill Kara (Director, E-Resources, Serials and Post-Cataloging Services, Cornell), Janet Gertz (Director of Preservation at Columbia), Breck Witte (Director of Library Information Technology at Columbia), Kizer Walker (Director of Collection Development, Cornell).

Project Goals

Funded by the Mellon Foundation, the project aims to identify priority content from the perspective of the research library community and make significant progress towards increasing the number and extent of e-journal archiving by major preservation programs. Ultimate goal is to develop and test methods to facilitate the continued expansion of e-journal preservation through ongoing assessment of priorities and documented practices to encourage and expand community engagement. Additional Information:

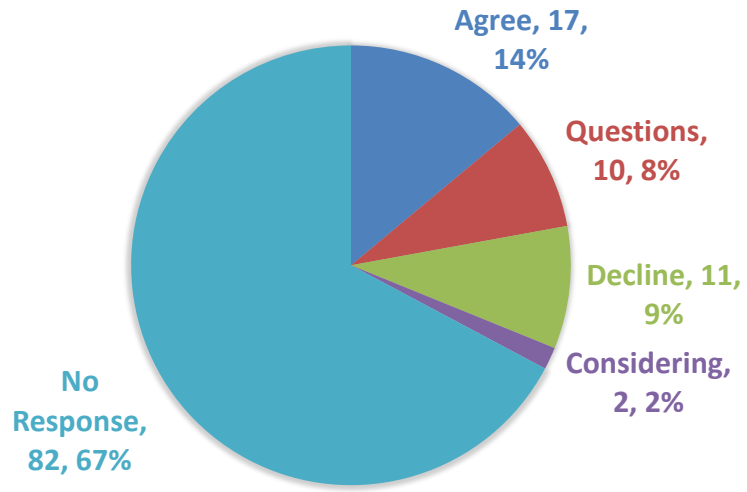
Related Papers & Presentations

- Cornell University Library & Columbia University Library.Final Report of the 2CUL LOCKSS Assessment Team Report. Completed:March 2011; Public Release: October 2011
- Oya Y. Rieger & Bob Wolven. Preservation Status of E-Resources: A Potential Crisis in Electronic Journal Preservation. CNI Fall'11 Forum. Washington, DC. (video recording)
- Oya Y. Rieger & Bob Wolven. Strategies for Expanding e-Journal Preservation. CNI Fall'13 Forum. Washington, DC.
- 2CUL Initiative Home Page: http://2cul.org/

Part 2: Mellon-Funded Project Objectives

- Establish preservation priorities
- Contact aggregators and publishers
- Promote:
  - models for distributed action
  - model license language
  - standard means of recording access rights for preserved titles

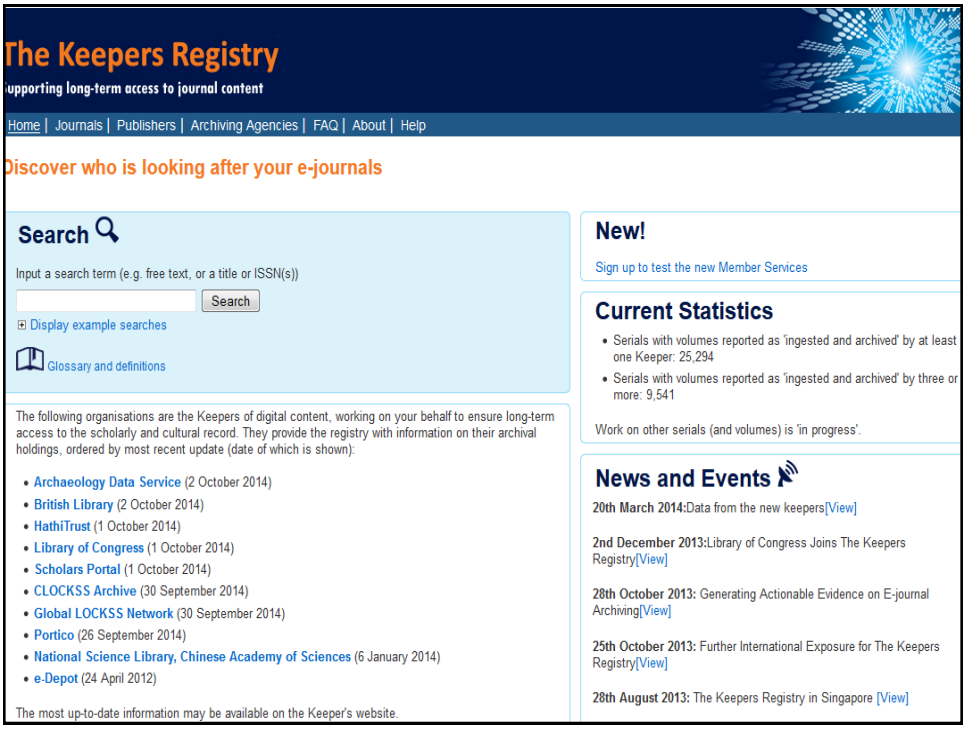
Request to Publishers of Journals with no Preservation Arrangement



** Very Preliminary Findings **

Perspectives from Publishers & Aggregators

- What counts as preservation?
- Who will pay for preservation costs?
- I am taking care of it
- Do not have archival rights
- Worried about unauthorized access
- Others?



The Keepers Registry

upporting long-term access to journal content

Home | Journals | Publishers | Archiving Agencies | FAQ | About | Help

Discover who is looking after your e-journals

Search

Input a search term (e.g. free text, or a title or ISSN(s))

Search

Display example searches

Glossary and definitions

The following organisations are the Keepers of digital content, working on your behalf to ensure long-term access to the scholarly and cultural record. They provide the registry with information on their archival holdings, ordered by most recent update (date of which is shown):

- Archaeology Data Service (2 October 2014)
- British Library (2 October 2014)
- HathiTrust (1 October 2014)
- Library of Congress (1 October 2014)
- Scholars Portal (1 October 2014)
- CLOCKSS Archive (30 September 2014)
- Global LOCKSS Network (30 September 2014)
- Portico (26 September 2014)
- National Science Library, Chinese Academy of Sciences (6 January 2014)
- e-Depot (24 April 2012)

The most up-to-date information may be available on the Keeper's website.

and more...
Repositories
Archive-It

New!

Sign up to test the new Member Services

Current Statistics

- Serials with volumes reported as 'ingested and archived' by at least one Keeper: 25,294
- Serials with volumes reported as 'ingested and archived' by three or more: 9,541

Work on other serials (and volumes) is 'in progress'.

News and Events

20th March 2014: Data from the new keepers[View]

2nd December 2013: Library of Congress Joins The Keepers Registry[View]

28th October 2013: Generating Actionable Evidence on E-journal Archiving[View]

25th October 2013: Further International Exposure for The Keepers Registry[View]

28th August 2013: The Keepers Registry in Singapore [View]

The Keepers Registry

upporting long-term access to journal content

Home | Journals | Publishers | Archiving Agencies | FAQ | About | Help

Discover who is looking after your e-journals

Search

Input a search term (e.g. free text, or a title or ISSN(s))

Search

Display example searches

Glossary and definitions

The following organisations are the Keepers of digital content, working on your behalf to ensure long-term access to the scholarly and cultural record. They provide the registry with information on their archival holdings, ordered by most recent update (date of which is shown):

- Archaeology Data Service (2 October 2014)
- British Library (2 October 2014)
- HathiTrust (1 October 2014)
- Library of Congress (1 October 2014)
- Scholars Portal (1 October 2014)
- CLOCKSS Archive (30 September 2014)
- Global LOCKSS Network (30 September 2014)
- Portico (26 September 2014)
- National Science Library, Chinese Academy of Sciences (6 January 2014)
- e-Depot (24 April 2012)

The most up-to-date information may be available on the Keeper's website.

and more...
Repositories
Archive-It
Publishers?

New!

Sign up to test the new Member Services

Current Statistics

- Serials with volumes reported as 'ingested and archived' by at least one Keeper: 25,294
- Serials with volumes reported as 'ingested and archived' by three or more: 9,541

Work on other serials (and volumes) is 'in progress'.

News and Events

20th March 2014: Data from the new keepers[View]

2nd December 2013: Library of Congress Joins The Keepers Registry[View]

28th October 2013: Generating Actionable Evidence on E-journal Archiving[View]

25th October 2013: Further International Exposure for The Keepers Registry[View]

28th August 2013: The Keepers Registry in Singapore [View]

What have we learned so far from the Center for Research Library's Trusted Repository Audit and Certification (TRAC)?

CNI Project Briefing
December 8, 2014

Bernard F. Reilly
CRL

15

Three Things Are Important:

CRL

16

Three Things Are Important:

Optics

Three Things Are Important:

The Process

Three Things Are Important:

Realism

CRL

19

Next Steps:

CRL

20

Next Steps:

More transparency

CRL

21

22

PAPR | PRINT ARCHIVES PRESERVATION REGISTRY

Directory | Archived Titles | Statistics

Programs | Facilities | Archiving Institutions

Enter search terms Search

CLOCKSS

View Archived Titles Download Archived Holdings

Program Description

CLOCKSS (Controlled LOCKSS) is a not for profit joint venture between the world's leading scholarly publishers and research libraries whose mission is to build a sustainable, geographically distributed dark archive with which to ensure the long-term survival of Web-based scholarly publications for the benefit of the greater global research community.

Review Profile Link:

Program Details

Program URL:
http://www.clockss.org/
Organization URL:
Members List:
Country: USA

Operating Details

MOU URL:
Archive Type: Digital
Status: Operational
Format Archived: Not specified
Selection:
Retention Period: Not specified
Ownership: Not specified

Archive Category	Completeness Validation	Condition Validation	Member Access	Nonmember Access

CRL

23

Center *for* Research Libraries
GLOBAL RESOURCES NETWORK

International Coalition on Newspapers
ICON

International Coalition on Newspapers (ICON)

Strategies to preserve and improve access to newspapers worldwide.

Search the ICON database Enter search term

The **ICON database** is the most comprehensive source of information about significant newspaper collections in print, digital and micro formats. The large and growing database is designed to inform library decisions on the development, management and preservation of newspaper collections.

Current statistics: 40,504,821 issues from 171,890 publications dating from 1649–2012.
See more ICON statistics and visualizations.

Funding and support for the ICON database has come from the Center for Research Libraries, the National Endowment for the Humanities (NEH), the Institute of Museum and Library Services (IMLS), and the Andrew W. Mellon Foundation.

More information

ICON digitization initiatives
ICON's directory of digitization efforts around the globe.

ICON Reports and Assessments
Critical analysis of news publication, dissemination, and preservation initiatives

- News: Mellon Foundation Funds CRL Archive Analysis
- Assessment: Online Availability of African Newspapers
- Survey: Access to news databases
- Analysis: Preserving News in the Digital Environment

CRL

24

eDesiderata

Informed Investment in Electronic Resources

Center for Research Libraries
GLOBAL RESOURCES NETWORK

You are logged-in as Bernard Reilly
your account | logout

Dashboard | Resources A-Z | Providers A-Z | meDesiderata | About eDesiderata

This page's internal path and permalink is:
/node/377

+ Add Resource + Add Provider
Editor & Admin Dashboard

← Back to listings

Gale

View | Edit | Revisions

Overview | Details | CRL Analysis & Profile | Resources

Mission Statement

Cengage's mission, as described on the company's website (2014), is to be "the most respected and innovative source of teaching, learning, and research solutions for the academic, schools, professional and library markets worldwide." The website also indicates that the firm is devoted to producing courseware, textbooks, databases, and tools that promote research and learning at the K-12, postsecondary, and adult levels.

History

Cengage Learning Inc. was formed in 2007, through the divestment of Thomson Learning by Canadian information publisher the Thomson Corporation. At that time, the Thomson Corporation was in need of capital to finance its buyout of Reuters Group plc. Thomson sold Thomson Learning for $7.75 billion to Apax Partners LLP (a private equity investment group) and Omer Capital Partners (which also manages the Ontario Municipal Employees Retirement System fund).

Cengage subsequently acquired a number of other properties in the educational publishing field: Houghton Mifflin's College Division, High Beam Research, Gatlin Education Services (now known as ed2go), and PAL Publications, and in August 2011, the National Geographic Society's School Publishing Unit.

Cengage Learning also inherited some well known publishing brands from Thomson. These include:

- Heinle, a language textbook publisher
- Wadsworth, publishers of books and digital content for the humanities and behavioral and social sciences
- Delmar Learning with products and services for adults in the areas of health care, technology, and career

Want to learn more about this Provider?

I recommend that CRL prioritize this provider for additional analysis and research.

yes | no

Update Provider Details

Do you have corrections or updates to suggest regarding this provider?

Submit Corrections

CRL

25

Next Steps:

Analysis

CRL

26

Home » Collections » Topic Guides » Government Publications And Information Us

share:

TOPIC GUIDE

Government Publications and Information—U.S.

VIEW EDIT REVISIONS WORKFLOW CLONE

Landscape | CRL Collections | Related Resources

Governments, like other large organizations, collect, produce, and distribute information. They generate statistical, demographic, economic, and geospatial information, and publish documents such as laws, regulations, executive orders, and other public records of legislative, judicial, and executive decisions and activities.

In the print era, the United States government agencies published most of their documents and data through the **Government Printing Office**.

Libraries acquired those materials, stored, organized, and preserved them, and promoted access by cataloging and indexing them and providing guidance on their use to researchers. Many U.S. research libraries serve as regional and selective federal depositories, maintaining and continuing to add to collections of government print and microform publications. CRL preserves government publications that are not widely available elsewhere, especially U.S. state agency publications prior to 1950.

Libraries also purchase access to government documents and data aggregated and republished by **commercial publishers** like ProQuest, LexisNexis, and others . . .

In the digital era, government agencies expose documents, data, and information directly to the web, and "open government" data initiatives have been embraced in the U.S. at the local, state, and federal levels. As a result, more actors are involved in the production and distribution of government information, leading to greater complexities and contingencies in the supply chain.

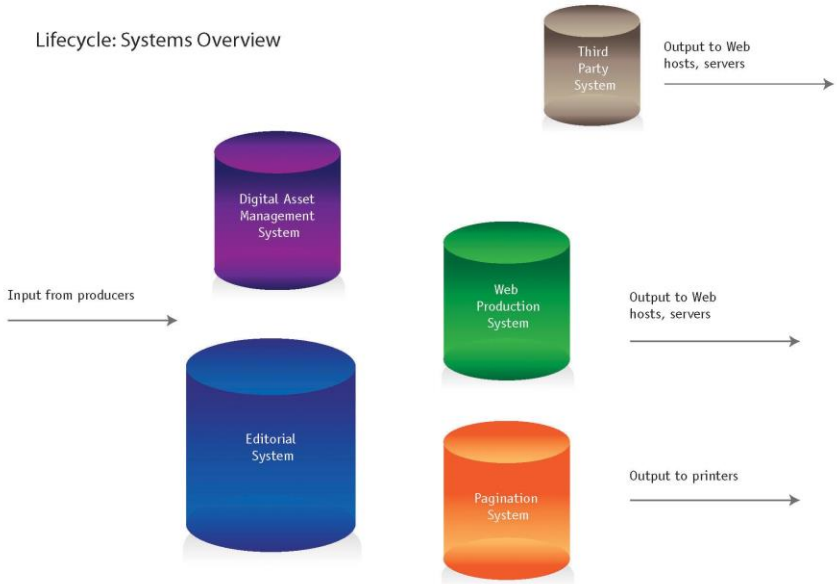
These actors include **organizations responsible for the technologies that enable production and distribution** of government information in electronic form: organizations that produce the software agencies use for creating digital documents and content . . .

And **makers of the cloud-based applications and platforms**, like Google Maps, YouTube, and FaceBook, that enable the storage, display, manipulation, and analysis of government-produced content, and its interoperability with related documents and information from other sources . . .

In addition, a **growing number of commercial entities** mine, re-aggregate, and provide access to government-produced information in the digital era, building new services and products around data generated and exposed by federal, state, and local agencies.

27

Lifecycle: Systems Overview



CRL

28

Next Steps:

Engagement

CRL

29

2CUL Study

- Cornell
  - 18% of our 8,279 OA e-journal titles in the catalog have identifiable preservation strategies
  - 2011 study by Michael Seadle
    - 8% LOCKSS & CLOCKSS
    - 5% Portico

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

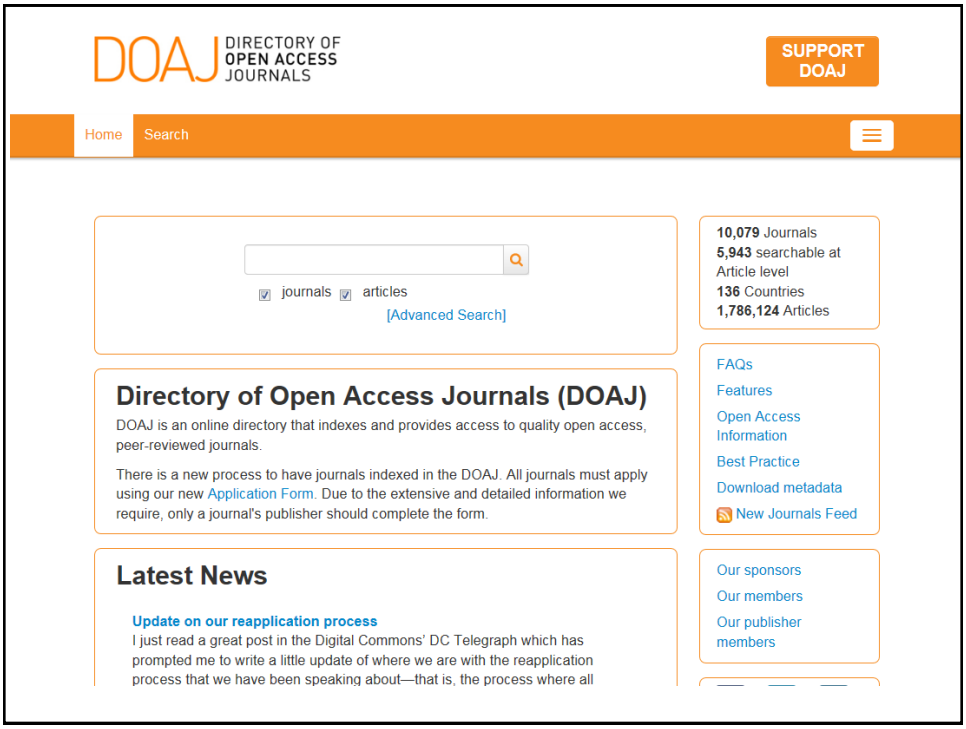
DOAJ Efforts in Increasing Awareness of OA Publishers on Preservation Matters

(Remote) Presentation for the CNI 2014 meeting, December 2014

Lars Bjørnshauge, DOAJ

www.doaj.org

Lars Bjørnshauge



DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Brief Background

- Launched in May 2003 at Lund University, Sweden with 300 journals
- Since January 2014 operated by IS4OA
  - non-for-profit company registered in the UK

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Home | News | About IS4OA | Who we are | Contact us

INFRASTRUCTURE SERVICES FOR OPEN ACCESS

www.is4oa.org

Founded by
Caroline Sutton,
Alma Swan &
Lars Bjørnshauge

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

The challenges

- Bringing DOAJ up to date and respond to demands and expectations
- Help OA-publishers to enter the mainstream of scholarly publishing
- Involve the community in the operations of the DOAJ
- Develop sustainable funding

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Tighter criteria

- We have worked with OASPA, COPE & WAME and agreed on principles of transparency and best practice in scholarly publishing
- The new DOAJ criteria are very much inspired by the above principles.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

The new criteria!

- Much more information is required regarding:
  - The editorial process
  - The peer-review process
  - Rights (reader rights, reuse rights, remixing rights etc.)
  - Persistent identifiers
  - Discoverability
  - Archiving

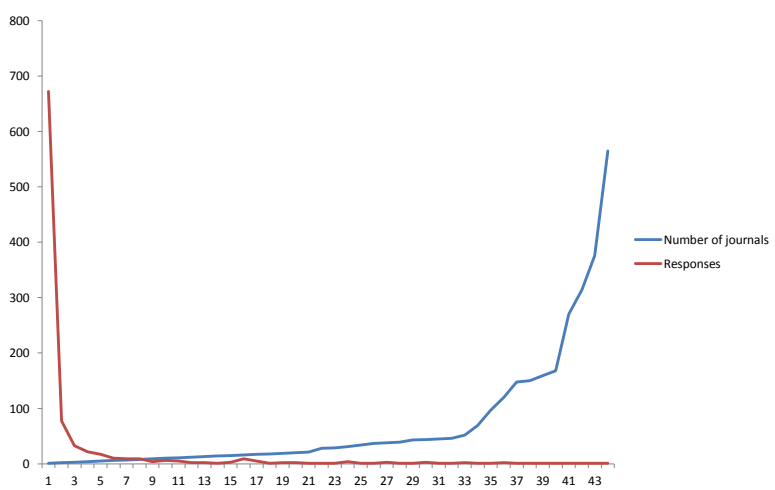
DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

DOAJ – A diverse collection

- Rather few OA-publishers with 50 or more journals
- Thousands of publishers publishing 1-2 journals
- Several not for profit aggregaters in place:
  - PKP (Public Knowledge Project – OJS)
  - SciELO (Latin America)
  - Redalyc (Latin America)
  - INASP JOL (Journals on Line)
- But still thousands of ”homeless” journals

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

The long tail



DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Preservation

Does your organisation or your journal(s) have an arrangement for LPTA or partake in any LPTA program? Would you be interested in DOAJ providing/facilitating a fee-based LPTA service?

Answer Options	Response Percent	Response Count
Yes (Add the name in box below)	13,8%	127
No - I'm not interested	41,3%	381
I am interested. Tell me more!	49,3%	455
LPTA scheme name:		97

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

The challenge related to preservation

- Many, many journals
  - lack the financial & technical resources to go beyond just publishing the content.
  - haven´t adressed the preservation issue yet, but would like to do so, provided smart and cheap solutions are available.
- Preservation of OA-journals (as well as provision of persistent identifiers and standardized copyright information) is a significant problem.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

So – what are we doing?

- The new criteria and archiving/preservation:
- Journals now have to provide information about:
  - Whether the journal has an archiving arrangement
  - If, yes: with which organisation &
  - specify the URL providing this information

  - Answering No, does not disqualify the journal from being listed

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Archiving/Preservation

- From the new application form - http://doaj.org/application/new

23) What digital archiving policy does the journal use? *

- [ ] No policy in place
- [ ] LOCKSS
- [ ] CLOCKSS
- [ ] Portico
- [ ] PMC/Europe PMC/PMC Canada
- [ ] A national library
- [ ] Other

Select all that apply. Institutional archives and publishers' own online archives are not valid

24) Enter the URL where this information can be found *

This field is optional if you have only selected "No policy in place" above

25) Does the journal allow anyone to crawl the full-text of the journal? *

- ( ) Yes
- ( ) No

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Archiving/Preservation

23) What digital archiving policy does the journal use? *

- [ ] No policy in place
- [ ] LOCKSS
- [ ] CLOCKSS
- [ ] Portico
- [ ] PMC/Europe PMC/PMC Canada
- [ ] A national library
- [ ] Other

Select all that apply. Institutional archives and publishers' own online archives are not valid

24) Enter the URL where this information can be found *

This field is optional if you have only selected "No policy in place" above

25) Does the journal allow anyone to crawl the full-text of the journal? *

- ( ) Yes
- ( ) No

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

- Archiving arrangement – a qualifier for the DOAJ SEAL

A note about the qualifiers for the DOAJ Seal

DOAJ promotes best practice in Open Access publishing. To that end, we are introducing the DOAJ Seal for Open Access journals.

The qualifiers for the Seal will highlight features related to the openness, indexability and discoverability of the journal and, as such, have nothing to do with **the scholarly quality of the papers published in the journal**.

To qualify for the Seal the journal must:

1. have an archival arrangement in place with an external party. (scroll to digital archiving policy question) If 'No policy in place' is selected, the journal will not qualify for the Seal.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

A lot is going on!

- CLOCKSS - +/- 1000 DOAJ listed journals are in the CLOCKSS programme
- PKP:
  - Private LOCKSS Network
  - Agreement with CrossRef will cater for archiving
- Still a lot of small OA-publishers who need help.
- We help the publishers to adress the archiving issue – that is an important step in the right direction.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Summing up!

- Journals are now required to provide information about archival arrangements
- This information will be publicly available
- This is a considerable motivator for journals to move forward on the archiving issue
- Archiving is not a requirement of being listed – for the moment!
- But it will probably be a requirement for the next revision of the criteria – due 2016.

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

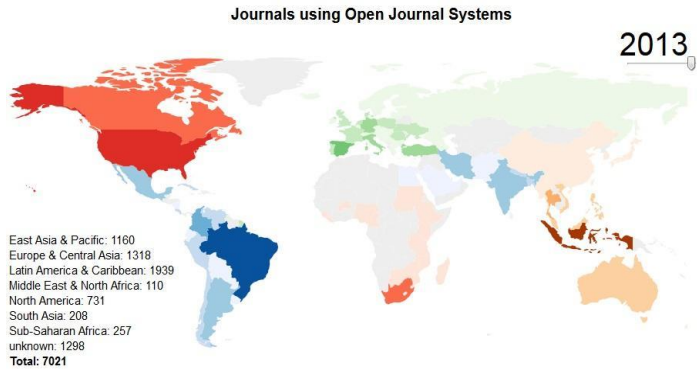
Thank you for your attention!

Lars Bjørnshauge
lars@doaj.org

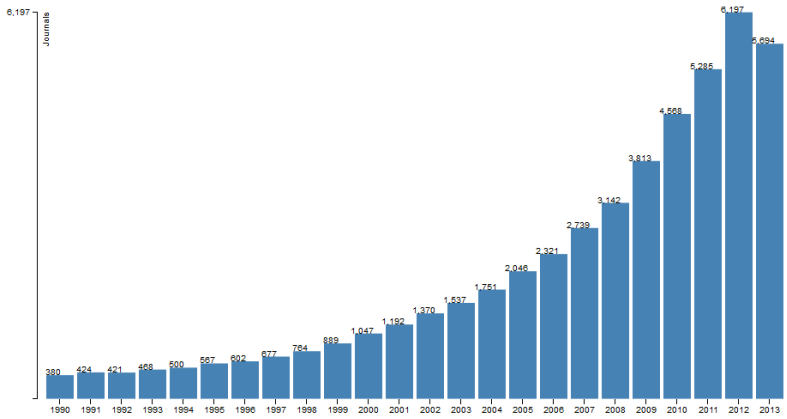
The Public Knowledge Project Private LOCKSS Network

Mark Jordan, Head of Library Systems,
Simon Fraser University Library & Public Knowledge Project (PKP)

Global Open Journal Systems usage



OJS ournals with 10 or more articles



Background to the network

- Demand for/interest in preservation exists among journal managers
- Some OJS journals exist in the Global LOCKSS Network and in other PLNs
  - IBICT
  - COPPUL
  - ADPNet
- Most OJS journals will never be preserved in the Global LOCKSS Network (GLN)

Why not the GLN?

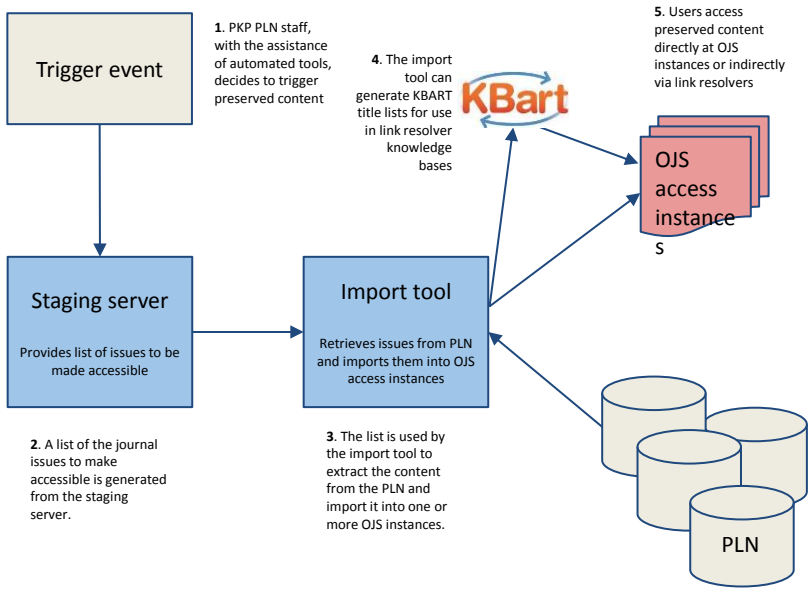
- Currently, the GLN preserves content from 111 OJS titles (812 volumes and 28 OJS instances)
- Many “publishers” to negotiate with
- Quality, consistency, and legitimacy sometimes unclear
- Not top priority for LOCKSS Alliance libraries

Rationale for PKP PLN

- Gap in preservation services for OJS journals
- PKP is starting to develop coordinated services for the OJS community, e.g. CrossRef, Altmetrics
- Several PKP Development partners are members of the LOCKSS Alliance
- A PLN for OJS journals is consistent with LOCKSS' "community" focus

Service model

- Any OJS journal that meets minimum requirements can participate at no cost
- Primary journal contact agrees to sign off on several requirements
- Content is included in PLN automatically
- After "trigger event," content will be made available under the CC-BY license



Journal Manager agrees…

- I have the legal and contractual authority to include this journal's content in a secure preservation network and, if and when necessary, to make the content available in the PKP PLN.
- I agree to allow the PKP-PLN to make post-trigger event content available under the CC-BY (or current equivalent) license.
- I agree to allow the PKP-PLN to include this journal's title and ISSN, and the email address of the Primary Contact, with the preserved journal content.
- I confirm that licensing information pertaining to articles in this journal is accurate at the time of publication.
- I acknowledge these terms may be revised from time to time and I will be required to review and agree to them each time this occurs.
- I agree not to violate any laws and regulations that may be applicable to this network and the content.
- I agree that the PKP-PLN reserves the right, for whatever reason, not to preserve or make content available.

Trigger events

- **Journal-initiated**
  - Event: Primary Journal Contact indicates that the journal content should be triggered for access
  - Response: PLN staff will confirm with the Primary Journal Contact that a trigger event is justified
- **Automated**
  - Event: Journal has gone dark (no response) for two months, and we receive a negative response from email verification to Primary Journal Contact
  - Response: PLN staff will investigate whether the journal is accessible and assess whether or not to trigger the content for access

OJS plugin

- Distinct from existing OJS LOCKSS plugin
- Works specifically with the PKP PLN
- Provides a user interface to journal manager for sign off and for viewing preservation status
- On issue publication, packages content and informs the staging server via SWORD deposit
- Shipped with OJS 2.4.5 in September

Organizational model

- Acceptance by participating PLN nodes
- PLN Advisory Panel - represent the broad range of potential stakeholders and participants in this service
- Light administrative and organizational structure
- Technical and administrative coordination on behalf of PKP by SFU and UBC Libraries
  - PKP PLN coordinator (Bronwen Sprout)
  - PKP PLN primary technical consultant (Mark Jordan)
  - PKP PLN overall lead (Brian Owen)

Charter nodes in the PLN

- Standard Private LOCKSS Network
- Nodes at:
  - University of Alberta
  - University of British Columbia
  - Indiana University
  - University of Pittsburgh
  - University of Victoria, and
  - Simon Fraser University
- Pilot will start with 2 TB storage
- Configuration managed by LOCKSS-O-Matic

Pilot phase

- **Stage 1**: (Sept 2014 – April 2015)
  - release of OJS version 2.4.5
  - test the new features of OJS 2.4.5 relevant to the PLN
  - test the "staging server"
  - finalize organizational components of the PLN
  - participating institutions must identify two or three OJS journals they currently host that will be good candidates to join the PLN
- **Stage 2**: (April – July 2015)
  - extend testing to LOCKSS-O-Matic
  - participating institutions must procure and set up a LOCKSS server

Advisory panel

- Lars Bjornshauge, Directory of Open Access Journals (DOAJ)
- Sioux Cumming, International Network for the Availability of Scientific Publications (INASP)
- Sarah Lippincott, Library Publishing Coalition (LPC)
- Alex Mendonça, SciELO
- Susan Murray, African Journals Online (AJOL)
- Victoria Reich, LOCKSS
- Heather Joseph, SPARC

Launch

Summer 2015: The PKP PLN will be ready to extend preservation service to any interested OJS journal anywhere in the world