

Center for Research Libraries GLOBAL RESOURCES NETWORK

CLOCKSS, LOCKSS and the "Long Tail," Preserving at-risk Publishers

Nicholas Taylor, Victoria Reich Stanford University Libraries

introductions







strong alignment



- LOCKSS Program builds technical solutions, enabling communities to collect, preserve, and ensure access to uncommon/unique collections - the "long tail"
- CRL community
 builds
 unique/uncommon
 collections and
 ensures its long-term
 integrity and
 accessibility for CRL
 affiliated scholars

how many titles?



- count journals meeting industry expectations
 - ISSN, peer review
- estimates differ
 - 60,000 STM Science-Metrix
 - osi-list 9/12/16, 4:28 AM http://www.science-metrix.com/en
 - 35,000 STM Mark Ware report
 - http://www.stm-assoc.org/2015_02_20_STM_Report_2015.pdf
- doesn't count
 - developing country titles
 - humanities/cultural titles
 - many government documents

the long tail defined



- Why the definition matters
 - scopes the problem
 - needed to appropriately focus resources
- "publishers with less than 10 journals"
 - generous definition
 - deflects tool and process optimization
- alternative definition would include
 - subject to government censorship
 - disseminated by immature organizations
 - other criteria?



overcoming the challenges



money

....and determination



challenge: social



- post cancellation access (pca) motivates preservation
 - preserve access to most expensive content
 - open access titles have no pca motivation
- identifying titles
 - shift away from subject specialists
 - collection development skills
 - needed: basic bibliographic knowledge and curiosity

challenge: technical



- Ingest is single biggest cost
 - 3000 titles/publisher = 1 title/publisher
 - big publishers have uniform, automated processes
 - small publishers have idiosyncratic processes
- publishers need sophistication to
 - push content to preservation service
- publishers need fewer resources to
 - put online permission text statement (or CC license)

challenge: business



- publishers
 - contracts
 - fees
- Librarians
 - need rewards and incentives to take action



solution



- drive down costs
 - further alignments with web archiving technology
- share remaining costs as widely as possible
 - partner with cognizant communities

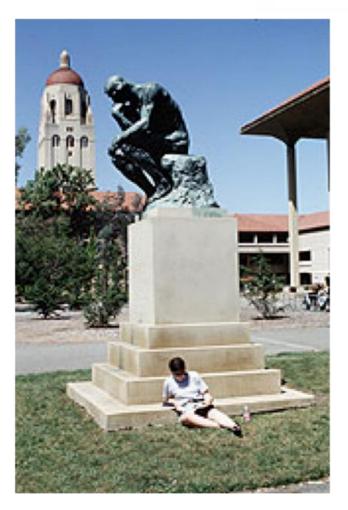
philosophy



Preservation is an active community effort

LOTS OF COPIES KEEP STUFF SAFE

LOTS OF COMMUNITIES KEEP STUFF SAFE



the LOCKSS Program



Communities use LOCKSS open source software to preserve their scholarly and cultural record



TRAC/ISO16363 audit



- 1st ever **perfect score** for Technologies,
 Technical Infrastructure, Security
- documentation linked from dshr.blog.org
 - Introduction http://blog.dshr.org/2014/07/trac-certification-of-clockss-archive.html
 - TRAC Audit: Process http://blog.dshr.org/2014/08/trac-audit-process.html
 - TRAC Audit: Lessons http://blog.dshr.org/2014/08/trac-audit-lessons.html
 - TRAC Audit: Do-It-Yourself Demos http://blog.dshr.org/2014/08/trac-audit-do-it-yourself-demos.html

many LOCKSS networks



- 1000+ of publishers
 - Subscription, open access, etc.
- Ingest techniques
 - OAI/PMH, web crawling, file transfer, API, etc.
- Preserved content types
 - Journals, books, databases, government documents, thesis and dissertations, image collections...
- Each with an organization, business model
- Each with an appropriate access policy

www.clockss.org





CLOCKSS collection developments

ensure the long-term survival and prospect of access to web-based publications* of value for scholarship worldwide

- any and all languages
- full-text and all supplementary materials

*from reputable and ethical publishers

scholarly publication norms (e.g. issns/isbns/DOIs)

CLOCKSS long tail examples



Cart**o**grafare *il presente*

HOME

CHI SIAMO

CARTOTECA

DOSSIER

ATTUALITÀ DAL MONDO

ATLANTE



03/05/2015

La pena di morte nel 2014

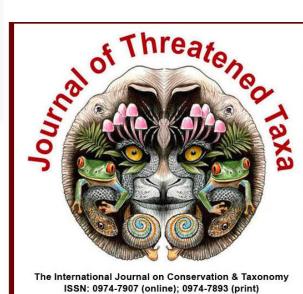
Nieves López Izquierdo

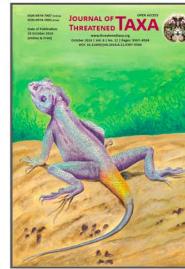
Il rapporto di Amnesty International sulla pena di morte nel mondo nel 2014 rileva due fenomeni in potenziale contrasto. Da un lato, i paesi che hanno eseguito condanne a morte sono stati 22 - lo stesso numero del 2013. Dall'altro, le condanne a morte sono aumentate drasticamente: almeno 2466 a causa soprattutto di Egitto e Nigeria.

Legai Tutto....

Big enough to

- sign a contract
- pay a fee





Brazil's Cariniana





PKP Private LOCKSS Network





U.S. Government Documents

2 Search





LOCKSS > The Community > Global & Private LOCKSS Networks > Digital Federal Depository Library Program

Digital Federal Depository Library Program

The Digital Federal Depository Library Program, or the "USDoos" private LOCKSS network replicates key aspects of the United States Federal Depository System. The content is held in geographically distributed sites and replicated many times. Citizens have oversight and responsibility for the long-term care and maintenance of the content. All these characteristics mean the content will be preserved so that any alteration of the content (either deliberate or accidental) will be detected and repaired. For all documents, preservation in a tampon-evident environment is important, but for government documents, this is essential.

Our current focus is harvesting and preserving collections hosted on the The U.S. Government Printing Office's (GPO) Federal Digital System (FDsys). See also, Digital Federal Depository FAQ

Participating Institutions

- Alaska State Library
- Amherst College
- Arizona State Library, Archives & Public Records [FDLP regional library]
- California State University, Fresno
- George Washington University
- Georgetown University
- Georgia Institute of Technology
- Government Printing Office
- Idaho State University
- Indiana State Library [FDLP regional library]
- Library of Congress
- · Louisiana State University [FDLP regional library]
- · Louisiana Tech University [FDLP regional library]
- Michigan State University
- North Carolina State University
- Northeastern University
 Princeton University
- Rice University
- San Diego State University
- Simon Fraser University
- Stanford University
- University of Alabama [FDLP regional library]



Private LOCKSS
Networks. Communities of all sizes are using Private LOCKSS Networks to proceed the cultural heritage materials. Join one, or build your own!



James Jacobs, Stanford jrjacobs at stanford dot edu



Canadian Government Information





CGI network

From Plnwiki

Canadian Government Information (CGI) LOCKSS network

Contents [hide]

- 1 Participating Institutions
- 2 Governance
- 3 Collection and Access Policy
- 4 Steering Committee
- 5 Related Resources

Participating Institutions

- · Dalhousie University
- McGill University
- · Scholar's Portal
- Simon Fraser University
- · Stanford University
- University of Alberta
- · University of British Columbia
- · University of Calgary
- University of Saskatchewan
- . University of Toronto
- · University of Victoria

[1] Press Release, September 2013

Governance

Canadian Government Information Digital Preservation Network

Governance Policy

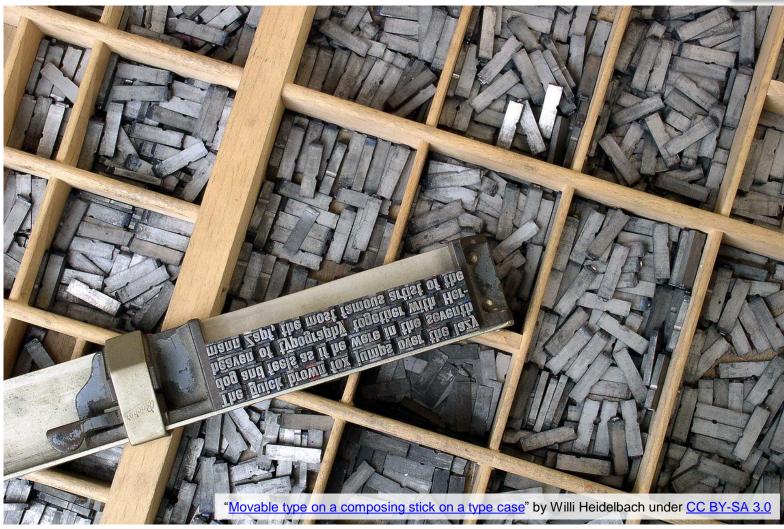
1.0 Introduction and Mission

- 1.1 The Canadian Government Information Digital Preservation Network
 - . The Canadian Government Information Digital Preservation Network (CGI DPN) is a project initiated in October 2012 by library staff at eleven member institutions: University of Alberta, Simon Fraser University, University of British Columbia, University of Calgary, University of Saskatchewan, University of Victoria, McGill University, Dalhousie University, Scholars Portal, University of Toronto, Stanford University. These institutions are the charter members of the CGI DPN Steering Committee.
- 1.2 Mission and Purpose



web publishing





mixed impact for preservation



benefits

- more broadly accessible
- archived content can remain accessible
- archived content still "belongs to" the Web
- amenable to collective action

challenges

- volume
- discovery
- diversity of platforms
- finite window for archiving
- concentrated costs for archiving

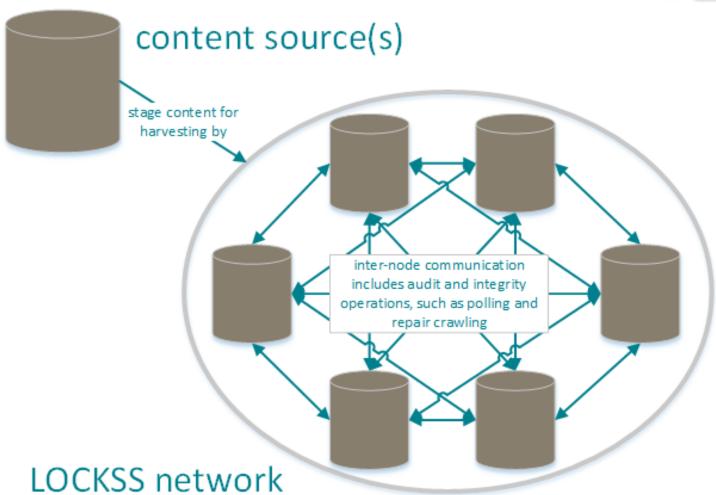
what to collect?



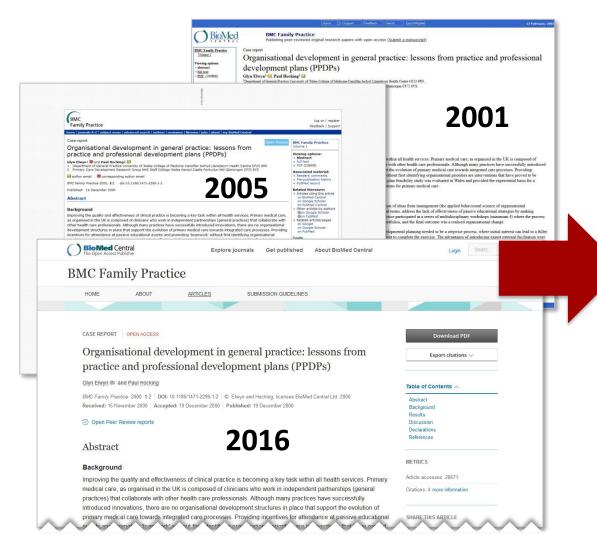


LOCKSS architecture





changing web content





ase report

Organisational development in general practice: lessons from practice and professional development plans (PPDPs)

Glyn Elwyn1 email and Paul Hocking2 email

Department of General Practice University of Wales College of Medicine Canolfan lechyd Llanedevrn Health Centre CF23 9PN

2

Primary Care Development Research Group NHS Staff College Wales Hensol Castle Pontyclun Mid Glamorgan CF72 8YS

BMC Family Practice 2000, 1:2doi:10.1186/1471-2296-1-2 Published: 19 December 2000

Abstract 19 Deci

Background

Improving the quality and effectiveness of clinical practice is becoming a key task within all health services. Primary medical care, as organised in the UK is composed of clinicians who work in independent partnerships (general practices) that collaborate with other health care professionals. Although many practices have successfully introduced innovations, there are no organisational development structures in place that support the evolution of primary medical care towards integrated care processes. Providing incentives for attendance at passive educational events and promoting 'teamwork' without first identifying organisational priorities are interventions that have proved to be ineffective at changing clinical processes. A practice and professional development plan feasibility study was evaluated in Wales and provided the experiential basis for a summary of the lessons learnt on how best to guide organisational development systems for primary medical care.

Results

Practice and professional development plans are hybrids produced by the combination of ideas from management (the applied behavioural science of organisational development) and education (self-directed adult learning theories) and, in conceptual terms, address the lack of effectiveness of passive educational strategies by making interventions relevant to identified system wide needs. In the intervention, each practice participated in a series of multidisciplinary workshops (minimum 4) where the process outcome was the production of a practice development plan and a set of personal portfolios, and the final outcome was a realised organisational change.

It was apparent during the project that organisational admission to a process of developmental planning needed to be a stepwise process, where initial interest can lead to a fuller understanding, which subsequently develops into motivation and ownership, sufficient to complete the exercise. The advantages of introducing expert external facilitation were clear: evaluations of internal group processes were possible, strategic issues could be raised and explored and financial probity ensured. These areas are much more difficult to examine when only internal stakeholders are engaged in a planning process.

Conclusions

It is not possible to introduce practice and professional development plans (organisational development and organisational learning projects) in a publicly funded health care system without first addressing existing educational and management structures. Existing systems are based on educational credits for attendance and emerging accountability frameworks (criteria checklist) for clinical governance. Moving to systems that are less summative and more formative, and based on the philosophies of continual quality improvement, require changes to be made in the relevant support systems in order achieve policy proposals.



aligning with web archiving



Web ARChive file format



compatible technologies

- Heritrix
- OpenWayback
- WarcBase
- WASAPI Data Transfer APIs
- Web Archiving Proxy

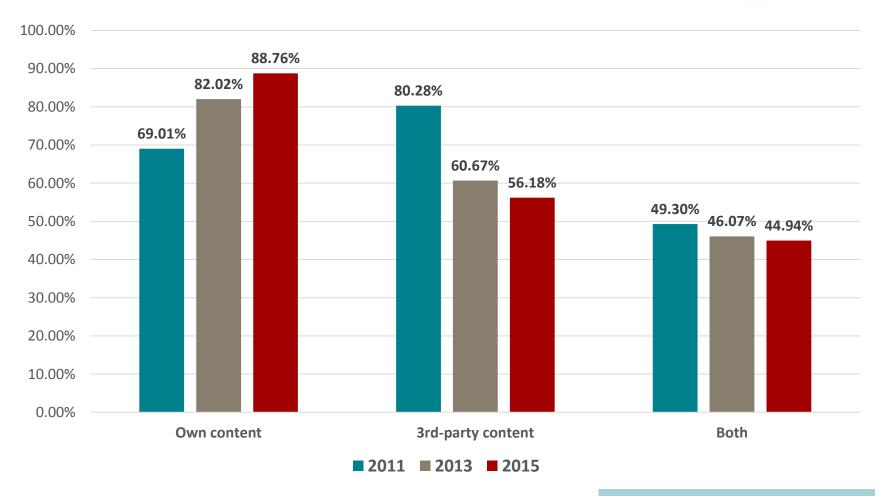
reducing ingest costs



- prepare to evolve w/ the Web
 - web services architecture as flexible foundation
 - collaborate on specifying web archiving APIs
- don't build it all ourselves
 - leverage web-scale open-source software
 - enlist + fortify related technical communities
- de-silo components for external re-use
 - metadata extraction
 - archive access via DOI + OpenURL
 - polling + repair protocol

collective investment in web archiving





NDSA: "2015 NDSA Web Archiving Survey"



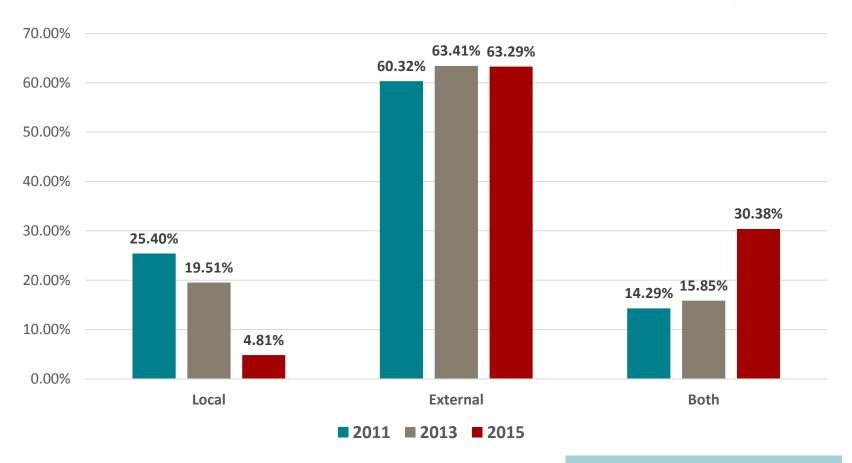
coordinated web content collecting



- better match collective resources + collection development expertise to scale of challenge
- examples of initiatives
 - CDL, Harvard, + UCLA (w/ IMLS funding) <u>Cobweb</u>
 <u>project</u>
 - IIPC Content Development Working Group
 - Ivy+ Art and Architecture Group Collaborative Architecture, Urbanism, and Sustainability Web Archive (<u>CAUSEWAY</u>)
 - Ivy+ Collaborative Web Content Collecting Initiative

reliance on service provider



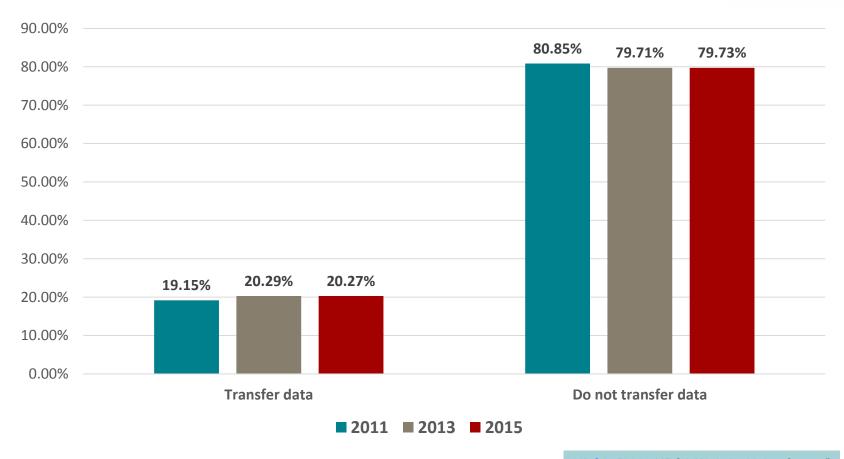


NDSA: "2015 NDSA Web Archiving Survey"



flat data transfer trend





NDSA: "2015 NDSA Web Archiving Survey"



distributed preservation



- ensure diversity of geographic, organizational, technical contexts for preserving archived web
- examples of initiatives
 - Ivy+ Preservation Network
 - ArchiveTeam IA.BAK initiative
 - Internet Archive, Stanford, Rutgers, UNT project to develop web archive data transfer APIs (<u>WASAPI</u>)

questions for the group



- which subject areas that you support have longtail content?
- provided the technical means, would you be interested in collecting that long-tail content?
- who else collaborators, stakeholders shares your interest in collecting that long-tail content?
- what are the opportunities for working together to preserve long-tail content?

Thank You



