LOCKSS-USDOCS:
digital FDLP in practice

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Agenda

- library principles and best practices

- what is lockss?

- lockss-usdocs?

- reflection of lockss based on principles

- [[slides available at slideshare.net/freegovinfo]]

Principles

- Forward democratic ideals
- Serve public interest / public access / public control / public preservation
- Serve the information needs of the community
- Forward the long-term institutional viability of libraries
- Promote and leverage collective action

LOCKSS is ...

- Distributed Digital Preservation System
- Open source peer to peer (P2P) software
- Standards based: OAIS, OpenURL, HTTP, WARC
- content migrator to new formats as required "on the fly" at point of access
- bits and bytes are continually audited and repaired

Private LOCKSS Networks

US Government Documents

www.lockss.org

LOCKSS is funded by...

- LOCKSS alliance library members
- LOCKSS has received funding and in-kind support from:
  - Andrew W. Mellon Foundation
  - National Science Foundation
  - Library of Congress
  - The UK's Joint Information Systems Committee
  - Sun Microsystems
  - HP Labs
  - Intel Research Berkeley
  - Stanford University Libraries and Academic Information Resources
  - Stanford Computer Science Dept.
  - Harvard Computer Science Dept.

LOCKSS Permission Statement

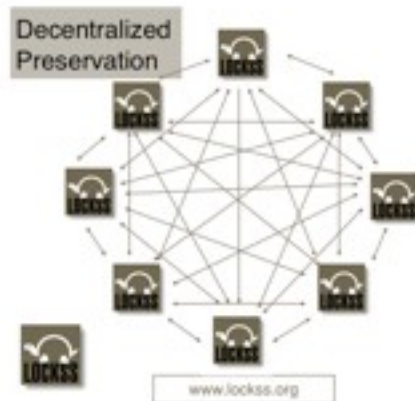**Digital Dissemination of Access Content Packages**

Interest has been expressed by customers and partners in creating their own digital collections of content. This includes building digital collections by accepting digital files and metadata disseminated by GPO's Federal Digital System (FDsys).

GPO will make available Access Content Packages (ACP's) to download and store on local systems. For instance, for Federal depository libraries (FDL's), this may assist in efforts to build digital collections at their libraries.

GPO will continue to maintain responsibility for managing Federal content within scope of the Federal Depository Library Program (FDLP), and providing free and permanent access to this information.

LOCKSS system has permission to collect, preserve, and serve this Archival Unit.

http://www.gpo.gov/fdsys/bulkdata/FR/resources/lockss.html

Decentralized Preservation

www.lockss.org

LOCKSS-USDOCS project

- LOCKSS for US Documents
- Replicates FDLP in the digital environment
- Working toward "digital deposit"
- Tamper evident

Currently preserving

- GPOaccess content (1991 - 2007) harvested from http://bulk.resource.org/gpo.gov/
- FDsys collections

LOCKSS-USDOCS is ...

Federal Register, Code of Federal Regulations, Congressional Record, Congressional Bills, Congressional Reports, US Code, Public & Private laws, Public Papers of the President, historic Supreme Court Decisions, US Statutes at Large, GAO Reports, US Budget ...

and more!!

Participating libraries

- Alaska State Library
- Amherst College
- California State University, Fresno
- Georgia Institute of Technology
- Library of Congress
- Michigan State University
- North Carolina State University
- Northeastern University
- Rice University
- Stanford University

- University of Alabama [FDLP regional]
- University of Alberta
- University of California, Berkeley
- University of Illinois/Chicago
- University of Kentucky [regional]
- University of North Carolina [regional]
- University of Virginia [regional]
- University of Wisconsin-Madison [regional]
- Vanderbilt
- Virginia Tech

Does LOCKSS-USDOCS ...

- ... forward democratic ideals?

- ... serve public interest / public access / public control / public preservation

- ... serve the information needs of the community?

- ... forward the long-term institutional viability of libraries?

- ... promote and leverage collective action?

What's next?

- More participants

- Expand collections

- Make project participant-driven

Further reading

- Preservation for all: LOCKSS-USDOCS and our digital future. James Jacobs and Victoria Reich, Stanford University Libraries. *Documents to the People (DttP)* Volume 38:3 (Fall 2010).
  http://freegovinfo.info/system/files/lockssusdocs-dttp38%283%29.pdf

- Distributed Globally, Collected Locally: LOCKSS for Digital Government Information. Daniel Cornwall and James R. Jacobs. *Against the Grain*, 21(1) February, 2009. p.42-44
  http://freegovinfo.info/system/files/ATG-lockss-p5-7.pdf

- GPOaccess harvest report (1991 – 2007):
  http://bulk.resource.org/gpo.gov/Harvest_Report.html

- A Guide to Distributed Digital Preservation. K. Skinner and M. Schultz, Eds. (Atlanta, GA: Educopia Institute, 2010). http://www.metaarchive.org/GDDP

- Several technical articles on LOCKSS at D-Lib Magazine www.dlib.org

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