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 UNIVERSITY OF MICHIGAN

University of Michigan
School of Information

SI 615
Seminar on Digital Libraries

READINGS and RESOURCES

Week 1: Introduction and Overview of Themes

Required Readings:

Borgman. [2000] *Gutenberg to Global Information Infrastructure*, Chapter 2, pp. 33-52.

Levy. [2003] "Documents and Libraries, in Bishop, et al. *Digital Library Use*, Chapter 2, pp. 25-42.

Resources:

Fox, & Urs. [2002] "Digital Libraries." *Annual Review of Information Science and Technology* 36. Information Today, Inc.

Bearman. [2007] "Digital Libraries." *Annual Review of Information Science and Technology* 41. Information Today, Inc.

Week 2: History and International Perspectives

Required Readings:

Dempsey. [2006] "The (Digital) Library Environment: Ten Years After."
<http://www.ariadne.ac.uk/issue46/dempsey/>

Stephenson. [1996] "Mother Earth Mother Board."
http://www.wired.com/wired/archive/4.12/ffglass.html?topic=&topic_set=

Woldering. [2004] "The European Library: Integrated Access to the National Libraries of Europe."
<http://www.ariadne.ac.uk/issue38/woldering/>

Resources:

Fox. [1993] Digital Library Sourcebook. <http://fox.cs.vt.edu/DLSB.html>

Digital Library Federation. <http://www.diglib.org/>

ERPANET: European Resource Preservation and Access Network.
<http://www.erpanet.org/index.php>

JISC: Joint Information Systems Committee. <http://www.jisc.ac.uk/>

PADI: Preserving Access to Digital Information. <http://www.nla.gov.au/padi/>

Week 3: Martin Luther King Day – No Class

Week 4: Content Landscapes: How Much Information

Required Readings:

Lyman and Varian. [2003] *How much information? 2003.*

<http://www2.sims.berkeley.edu/research/projects/how-much-info-2003/>

OCLC. [2004] "2004 Information Format Trends: Content, Not Containers,"

<http://www.oclc.org/reports/2004format.htm>

O'Toole. [1994] "On the Idea of Uniqueness."

Powell. [2003] "Mapping the JISC IE [Information Environment] Service Landscape."

<http://www.ariadne.ac.uk/issue36/powell/intro-alternative.html>

Resources:

Digital Library Federation. Registry of Digital Masters. <http://www.diglib.org/collections/reg/reg.htm>

Digital Library Federation. DLF Aquifer. <http://www.diglib.org/aquifer/>

JISC Collections: delivering resources online. <http://www.jisc-collections.ac.uk/>

Week 5: Research Agendas

Required Readings:

Anderson and Choudhury. [2003] "A Usability Research Agenda for Digital Libraries."

http://dkc.jhu.edu/usability_1.html

Hedstrom. [2003] *It's About Time: Research Challenges in Digital Archiving and Long-Term Preservation.* [Attached]

Hedstrom. [2002] "The Digital Preservation Research Agenda."

<http://www.clir.org/pubs/abstract/pub107abst.html>

Levy. [1998] "Heroic Measures." <http://www.acm.org/pubs/citations/proceedings/dl/276675/p152-levy/>

Lynch and Garcia-Molina. [1995] "Interoperability, Scaling, and the Digital Libraries Research Agenda." <http://www-diglib.stanford.edu/diglib/pub/reports/iita-dlw/main.html>

Waters and Garrett. [1996] *Preserving Digital Information.* <http://www.rlg.org/ArchTF/>

Resources:

UM Collaboratory Working Groups. http://www.si.umich.edu/UMDL/EU_Grant/home.htm

EU-NSF Working Group on Metadata. Metadata for Digital Libraries: a Research Agenda.

<http://www.ercim.org/publication/ws-proceedings/EU-NSF/metadata.html>

National Science Foundation. Digital Libraries Initiative, Phases One and II. <http://www.dli2.nsf.gov/>

<http://www.dli2.nsf.gov/dlione/>

Week 6: Interface and Metadata Infrastructure

Required Readings:

Borgman. [2000] "Making Digital Libraries Easier to Use," pp. 143-163.

Campbell. [2000] "The Case for Creating a Scholars Portal to the Web."
<http://www.arl.org/newsltr/211/portal.html>

Caplan and Guenther. [2005] "Practical Preservation: the PREMIS Experience."
http://www.loc.gov/standards/premis/caplan_guenther-librarytrends.pdf

Dahlquist, et al. [2005] "Integrating Digital Libraries and Electronic Publishing in the DART Project."
<http://doi.acm.org/10.1145/1065385.1065411>

Lavoie. [2004] *Open Archival Information System: Introductory Guide*.
<http://www.dpconline.org/graphics/reports/index.html>

Lynch. [2000] "Authenticity and Integrity in the Digital Environment."
<http://www.clir.org/pubs/reports/pub92/lynch.html>

McDonough [2006] "METS"

Resources:

National Digital Information Infrastructure Preservation Program.
<http://www.digitalpreservation.gov/index.html>

Flecker. [2000] "Harvard's Library Digital Initiative: Building a First Generation Digital Library Infrastructure." *D-Lib Magazine* 6 (November 2000).
<http://www.dlib.org/dlib/november00/flecker/11flecker.html>

Higgins and Semple. [2006] *OAIS Five-year Review*. <http://www.dcc.ac.uk/events/oais-fyr-2006/>.

PREMIS: Preservation Metadata Maintenance Activity. <http://www.loc.gov/standards/premis/>

METS: Metadata Encoding and Transmission Standard. <http://www.loc.gov/standards/mets/>

Week 7: Representation of Image/ Text in Visual Digital Libraries

Required Readings:

Barney et al. [2005] "Ordering Chaos" doi:10.1093/lc/fqi002 [access through Mirlyn]

Bolter & Grusin. [1996] "Remediation."
<http://muse.jhu.edu/journals/configurations/v004/4.3bolter.html>

Sassoon. [1998] "Photographic Meaning in the Age of Digital Reproduction."
<http://www.sl.nsw.gov.au/lasie/prepdf.htm>

Smith. [2001] *Strategies for Building Digitized Collections*.
<http://www.clir.org/pubs/abstract/pub101abst.html>

Summit on Digital Tools for the Humanities. [2003] <http://www.iath.virginia.edu/dtsummit/>

Resources:

National Archives and Records Administration. [2004] *NARA Guidelines for Digitizing Archival Materials for Electronic Access*. <http://www.archives.gov/research/arc/digitizing-archival-materials.html>

Handout on digital imaging guidelines [on CTools]

SPRING BREAK

Week 8: Cyberinfrastructure

Required Readings:

American Council of Learned Societies. [2006] *Our Cultural Commonwealth*. <http://www.acls.org/cyberinfrastructure/cyber.htm>

Arms et al. [2006] "A Research Library Based on the Historical Collections of the Internet Archive." <http://www.dlib.org/dlib/february06/arms/02arms.html>

Association of Research Libraries. [2006] "Long-term Stewardship of Digital Data Sets in Science and Engineering." <http://www.arl.org/info/frn/other/ottoc.html>

Berman and Brady [2005] "Final Report: NSF SBE-CISE Workshop on Cyberinfrastructure and the Social Sciences," <http://vis.sdsc.edu/sbe/>

Messerschmit. [2003] "Opportunities for Research Libraries in the NSF Cyberinfrastructure Program," <http://www.arl.org/newsltr/229/cyber.html>

National Science Foundation. [2003] *Revolutionizing Science and Engineering Through Cyberinfrastructure*. <http://www.nsf.gov/od/oci/reports/toc.jsp>

NSF Cyberinfrastructure Council. [2006] *NSF's Cyberinfrastructure Vision for 21st Century Discovery*. <http://www.nsf.gov/od/oci/ci-v7.pdf>

Resources:

National Science Foundation. Cyberinfrastructure Office. *Reports and Workshops Relating to Cyberinfrastructure and Its Impacts*. <http://www.nsf.gov/od/oci/reports.jsp>

Data Document Initiative. <http://www.ddalliance.org/index.html>

Economic and Social Data Services. [2005] *Guide to Good Practice: Data Management*. <http://www.esds.ac.uk/support/guides/A4.pdf>

Lord and Macdonald. [2003] *e-Science Curation Report*. http://www.jisc.ac.uk/uploaded_documents/e-ScienceReportFinal.pdf

Week 9: Scholarly Communication and Digital Library Use

Required Readings:

Borgman. [2003] "Designing Digital Libraries for Usability," pp. 117-168.

Campbell. "The Case for Creating a Scholars Portal to the Web."

<http://www.arl.org/newsltr/211/portal.html>

Farb. [2006] "Libraries, licensing and the challenge of stewardship."

http://www.firstmonday.org/issues/issue11_7/farb/index.html

Levy. [1998] "Heroic Measures." <http://www.acm.org/pubs/citations/proceedings/dl/276675/p152-levy/>

Rusbridge. [2005] "Information Life Cycle and Curation." Powerpoint. [Attached]

Waters. [2006] "Managing Digital Assets in Higher Education."

<http://www.arl.org/newsltr/244/assets.html>

Resources:

First Monday. [2006] Openness: Code, Science, and Content. Website.

http://www.firstmonday.org/issues/issue11_7/index.html

Association of Research Libraries. New Models for Scholarly Communication. Website.

<http://www.arl.org/osc/models/index.html>

Create Change. Website. <http://www.createchange.org/>

Week 10: Institutional Repositories and Preservation

Required Readings:

Crow. [2002] "The Case for Institutional Repositories: A SPARC Position Paper."

<http://www.arl.org/sparc/IR/ir.html>.

Green and Gutmann. [2006] "Building Partnerships Among Social Science Researchers, Institution-based Repositories and Domain Specific Data Archives." [preprint]

Lagoze, et al. [2006] "Fedora"

Lavoie and Dempsey. [2004] "Thirteen Ways of Looking at...Digital Preservation."

<http://www.dlib.org/dlib/july04/lavoie/07lavoie.html>

Lynch and Lippincott. [2005] "Institutional Repository Deployment in the United States as of Early 2005."

<http://www.dlib.org/dlib/september05/lynch/09lynch.html>

Keller, Reich, and Herkovic. [2003] "What is a library anymore, anyway?"

http://www.firstmonday.org/issues/issue8_5/keller/index.html

Rusbridge. [2006] "Excuse Me... Some Digital Preservation Fallacies?"

<http://www.ariadne.ac.uk/issue46/rusbridge/>

Rusbridge et al. [2005] "The Digital Curation Centre: A Vision for Digital Curation." [Attached]

Resources:

Lee, et al. [2002] "The State of the Art and Practice in Digital Preservation."
<http://nvl.nist.gov/pub/nistpubs/jres/107/1/cnt107-1.htm>

Lynch. [2003] "Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age."
<http://www.arl.org/newsltr/226/ir.html> .

NEDCC. [2007] "Digital Preservation Readiness Webliography."
<http://www.nedcc.org/resources/leaflets/6Reformatting/08DigitalPreservationReadiness.php>

Research Libraries Group. Digital Repository Certification. Web Page.
http://www.rlg.org/en/page.php?Page_ID=580

Research Libraries Group and National Archives and Records Administration. "Audit Checklist for Certifying Digital Repositories." http://www.rlg.org/en/page.php?Page_ID=20769

Week 11: Case Study of UM Deep Blue and Blue Stream

Required Readings:

Readings list distributed during week 8

Week 12: Sustaining Digital Libraries

Required Readings:

Digital Curation Center. <http://www.dcc.ac.uk/index>

Lynch. [2005] "Where Do We Go from Here? The Next Decade in Digital Libraries."
<http://www.dlib.org/dlib/july05/lynch/07lynch.html>

Lagoze. [2005] "What Is a Digital Library Anymore, Anyway? Beyond Search and Access in the NSDL." <http://www.dlib.org/dlib/november05/lagoze/11lagoze.html>

Research Libraries Group. [2002] *Trusted Digital Repositories*.
<http://www.rlg.org/legacy/longterm/repositories.pdf>

Wheatley. [2004] *Institutional Repositories in the Context of Digital Preservation*.
<http://www.dpconline.org/graphics/reports/index.html>

Resources:

TRAC: Trustworthy Repositories Audit & Certification: Criteria and Checklist.
<http://www.crl.edu/content.asp?l1=13&l2=58&l3=162&l4=91>

DRAMBORA: Digital Repository Audit Method Based on Risk Assessment.
<http://www.repositoryaudit.eu/>

NESTOR: Network of Expertise in Digital Long-term Preservation (Germany)
<http://www.langzeitarchivierung.de/index.php?newlang=eng>