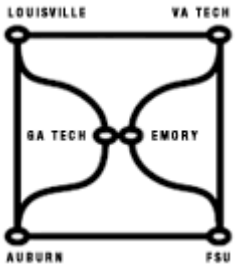

METAARCHIVE

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Building a Collaborative Digital Preservation Network

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http://www.metaarchive.org | http://www.digitalpreservation.gov

CNI Fall Task Force Meeting – Dec. 6-7, 2004 Portland, OR

Presenters:

Martin Halbert, Emory University
Robert H. McDonald, Florida State University
Beth Nicol, Auburn University
Vicky Reich, LOCKSS Program Director
Tyler Walters, Georgia Institute of Technology

Abstract:

This presentation will feature members of the steering committee of The MetaArchive of Southern Digital Culture. They will be discussing plans for their collaborative digital preservation network funded as a partnership by the Library of Congress's National Digital Information Infrastructure and Preservation Program. This partnership, headed by Emory University, is a test-bed implementation of a collaborative digital preservation network by six different academic institutions (Emory University, Georgia Institute of Technology, Virginia Tech, Florida State University, University of Louisville, Auburn University) and the Library of Congress. The program will feature highlights from the early planning stages of this project including timelines and deliverables as well as ideas for future activities that will be generated from work on this exciting collaborative model.

Project Timeline:

Year One	Year Two	Year Three
Sept. 2004	Sept. 2005	Feb. 2007

MetaArchive of Southern Culture NDIIPP Deliverables Timeline

	2004				2005				2006				2007			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Content Conspectus																
Content Harvest																
Cooperative Agreement																
Preservation Network																

Project Deliverables:

1.) Content Conspectus

The Content Conspectus work plan will provide a prioritized conspectus of *at risk* digital content in the area of Southern Culture. The Content Conspectus will consist of an online database which is authenticated to members of the project's Content Committee and will follow the UKOLN RSLP Collection Description Schema (http://www.ukoln.ac.uk/metadata/rslp/schema/).

2.) Content Harvest

During the course of the project the cooperative seeks to aggregate up to 3 terabytes of digital content using the modified LOCKSS software which will be developed during the first 1.5 years of the partnership. The harvested content will accumulate in stages and will not be considered complete until the end of the project.

3.) Cooperative Agreement

This agreement will include a detailed charter document for the MetaArchive Preservation Network. The policies and analysis of this cooperative paradigm will be comprised in such a way that they can be adapted by others to serve as a template for collaborative digital preservation.

4.) Preservation Network

The Preservation Network will be comprised of a distributed framework of modified LOCKSS server nodes that will collectively act to preserve digital content over time. This network, which will function across Internet2, will be a distributed and mutually administered archive of critical digital content that will feature network security provisions as well as fault-tolerance mechanisms.

Project Technology Outcomes:

Key to the success of the MetaArchive Project will be the technical work required to modify the existing capabilities of the LOCKSS (Lots of Copies Keep Stuff Safe – http://www.lockss.org) Software available from the Stanford University Libraries. This software will be modified in a modular fashion that fits with the open-source software license under which LOCKSS is distributed and will thus also be an open-source component of LOCKSS. The modifications to the software will enable the partner libraries to share multi-terabytes of data per institution. Ideally this network will be created using *off the shelf* components which will enable others to re-create this type of network for themselves at a nominal cost.