The ASERL LOCKSS-ETD Initiative: Developing Preservation Strategies for Libraries that Publish E-Scholarship

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The ASERL LOCKSS-ETD Initiative (http://www.aserl.org/projects/lockss-etd-overview.html) is a joint project between the LOCKSS (Lots of Copies Keep Stuff Safe) Program at Stanford University and the Association of Southeastern Research Libraries (ASERL). Participating in the project are the following ASERL Libraries:

Florida State University - http://etds.fsu.edu
Georgia Institute of Technology - http://etd.gatech.edu
University of Kentucky – http://www.uky.edu/ETD
University of Miami – http://www.library.miami.edu/library/dissertations.html
North Carolina State University - http://www.lib.ncsu.edu/etd
University of Tennessee - http://etd.utk.edu
Vanderbilt University - http://etd.library.vanderbilt.edu
Virginia Polytechnic Institute and State University - http://etd.vt.edu

This group is utilizing the latest version of the LOCKSS software to harvest electronic theses and dissertations from each institution using the OAI-PMH. The OAI-PMH is used to create a LOCKSS archival unit for collections such as ETDs which are continually updated. The LOCKSS caches at each institution allow for multiple copies of ETDs in geographically dispersed locations thus offering an additional layer of preservation for each ETD collection as well as a cooperative open-source model for organizations that support E-Scholarship publishing initiatives.

In this presentation there will be two key topics discussed which are both new to the LOCKSS software. This includes document harvesting using OAI-PMH as a Submission Information Package (SIP) for LOCKSS ingest and a new virtual network management interface which enables group management for collaborative projects across the LOCKSS network. The ASERL LOCKSS-ETD Initiative is one such project. For more on the project please see our press release (http://scholar.lib.vt.edu/theses/ETDsASERLLOCKSS20050711PR.pdf).
The images below show different views of the new LOCKSS Virtual Network Management Tool. This tool is a PHP based web services management interface that enables networks created to ingest locally produced digital content to verify the status of their partner sites. The views of this tool are demonstrated using the ASERL ETD Network.