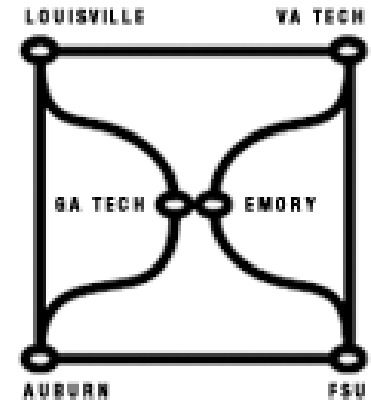


# METAARCHIVE NDIIPP Partnership



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# MetaArchive Project Summary

- Six partner institutions:
  - Emory - Georgia Tech - Florida State
  - Virginia Tech – Auburn - Louisville
- Collaborate w/ LC/NDIIPP – \$1.4M initial effort to develop cooperative for preservation of digital content, 2004-2010
- Origins/Precursors - MetaScholar.org:
  - AmericanSouth.org
    - Harvest metadata from cultural memory insts. pulling into central location to aggregate, index, search, and discover. 50,000 records, +30 archives

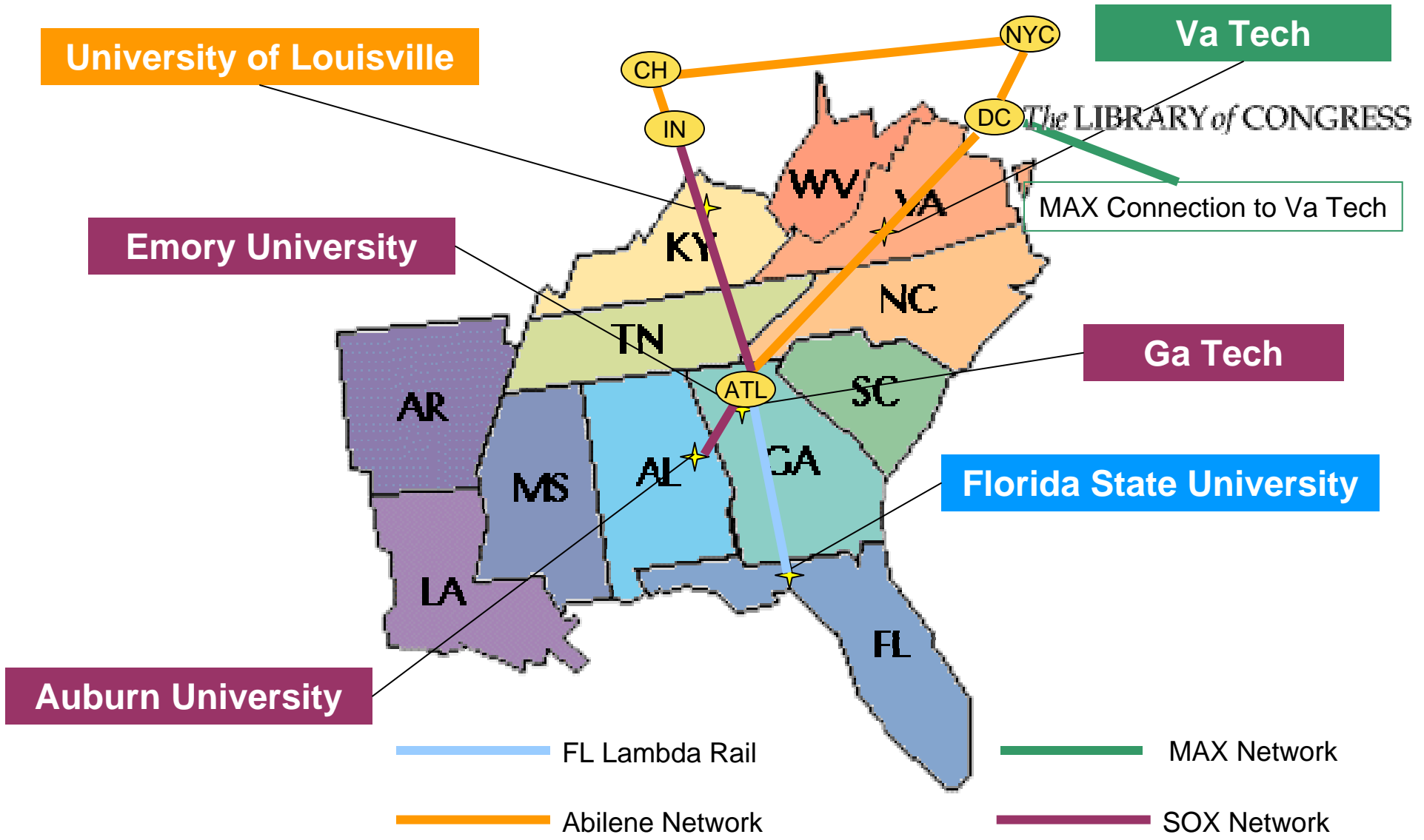
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# MetaArchive Project Goals

- 1) Create a **conspectus** of digital content held by the partner sites
  - 2) **Harvest** a body of most critical content to be preserved (3 terabytes, w/ capability to expand)
  - 3) Develop **model cooperative charter** for collaboration and sustainability
  - 4) LOCKSS-based distributed **preservation network infrastructure**  
Address geographic and institutional heterogeneity needed to safeguard each institution's digital collections
- **Distribution/Communication:** Internet2 Abilene network and local connections of the Southern Crossroads (SoX) network consortium and the Mid-Atlantic Crossroads (MAX) network consortium

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# MetaArchive Deliverables to Date

- **2004-2005**
  - Create Collection Conspectus
  - LOCKSS Customization
  - Network Setup
- **2005-2006**
  - Network Launch/Initial Harvest
  - Charter Cooperative Agreement
- **2006-2007 (projected)**
  - Non-Profit Setup (Educopia Institute)
  - Extend partnership beyond original 7 partner institutions
  - Finish Current Collection Ingest

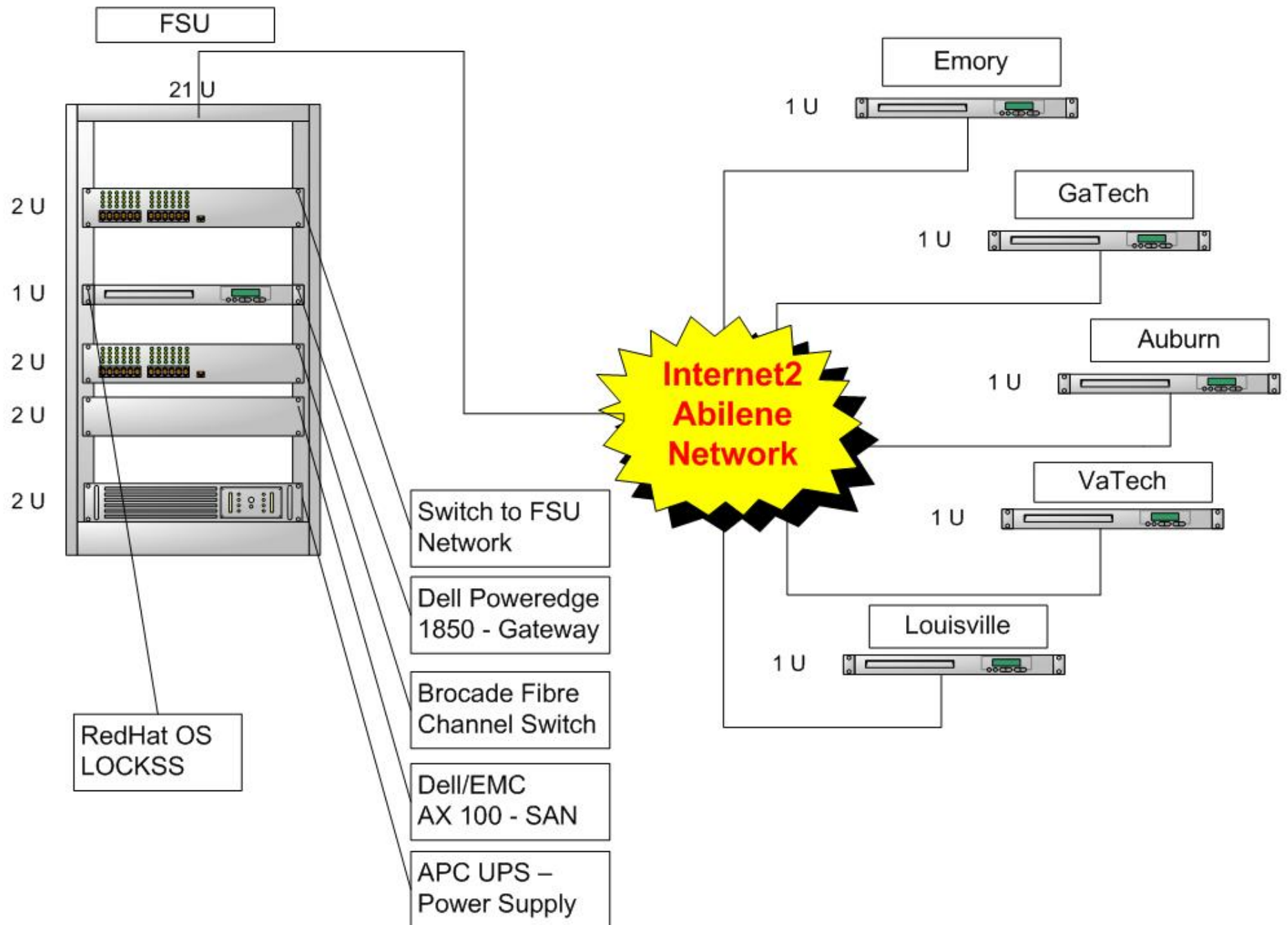


# MetaArchive Technology

- **LOCKSS Scalability**
  - 2.2 Terabytes Storage Space Available
  - Proven Security (SE-Linux) Across Multiple Networks
  - Enterprise Installation
    - RedHat
    - CentOS
- **Database Driven Conspectus**
  - Manages Collections within LOCKSS
  - Network Administrative Management Tool
- **Collaboration Tools**
  - MediaWiki, VideoConference, Teleconference



# MetaArchive Preservation Network



MetaArchive Conspectus Database - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

LibX FSU Keyword Search Florida State University Libraries Clear Scholar

# MetaArchive Conspectus Database

**Conspectus Database – Ties in with LOCKSS Central Plugin Repository**

## Log In Here

Login:

Password:

If you've lost or forgotten your password, click [Here](#).

### Login Attempt Failed

---

## Actions

[View All RDF Data](#)  
[View By Institution](#)  
[View All Valid RDF Data](#)  
[View Selected Collections](#)  
[View Conspectus Schema](#)

---

## View Existing Descriptions

Done www.metaarchive.org



### Georgia Tech ETDs [\[edit\]](#)

<http://etd.gatech.edu/index.html>

**Collection ID:** 32

**Alternate Title:** Georgia Tech Electronic Thesis and Dissertation Collection

**Description:** The Electronic Thesis and Dissertation Collection at Georgia Tech covers Fall 2003 through the present. This program is jointly sponsored by the Graduate Studies and Research Office and the Library and Information Center. Georgia Tech is a member of the Networked Digital Library of Theses and Dissertations and participates in the Open Archives Initiative.

**ESC Heading:** Education

**ESC Heading:** Transportation

**ESC Heading:** Art and Architecture

**ESC Heading:** Law and Politics

**ESC Heading:** Geography

**ESC Heading:**

**ESC Heading:** Business, Agriculture, and Industry

**ESC Heading:** Social Class

**ESC Heading:** Environment

**ESC Heading:** Recreation

**ESC Heading:** History, Manners, and Myth

**LCSH Heading:** Dissertations, Academic -- Georgia -- Atlanta.

**LCSH Heading:** Electronic dissertations -- Georgia -- Atlanta.

**Example Conspectus Entry – GaTech ETDs**

LOCKSS Cache Manager: Cache Manager - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Firefox Help Firefox Support Plug-in FAQ Cataloging Administr... ETD-db: Log In RSLP Collection Des... 2 Florida State Univer...

## LOCKSS ADMIN INTERFACE for METAARCHIVE NETWORK

Status	Status	Last Updated	Institution Name	IP Address	Reverse DNS Entry	Log Page
	September 20, 2005, 12:02 pm	Louisville University			meta-vault.library.louisville.edu	<a href="http://meta-vault.library.l...">http://meta-vault.library.l...</a>
	September 20, 2005, 12:02 pm	Auburn University			meg.lib.auburn.edu	<a href="http://meg.lib.auburn.edu">http://meg.lib.auburn.edu</a>
	September 20, 2005, 12:02 pm	Emory University			ndiip.library.emory.edu	<a href="http://ndiip.library.emory...">http://ndiip.library.emory...</a>
	September 20, 2005, 12:02 pm	Florida State University			clockss.lib.fsu.edu	<a href="http://clockss.lib.fsu.edu:">http://clockss.lib.fsu.edu:</a>
	September 20, 2005, 12:02 pm	Florida State University			clockss2.lib.fsu.edu	<a href="http://clockss2.lib.fsu.edu">http://clockss2.lib.fsu.edu</a>
	September 20, 2005, 12:02 pm	Georgia Institute of Technology			ndiiplockss.library.gatech.edu	<a href="http://ndiiplockss.library.c">http://ndiiplockss.library.c</a>
	September 20, 2005, 12:02 pm	LOCKSS			sul-lockss27.Stanford.EDU	<a href="http://sul-lockss27.stanfo">http://sul-lockss27.stanfo</a>

**Issue Tracker**

[Refresh Archival Units](#)

Refresh Cache:

Status:

For Caches in Network:

MetaArchive (default)

Filter Manager by Group:

All

Filter Manager by Network:

All

**Caches**

[View All Caches](#)

[View Down Caches](#)

[View Up Caches](#)

[View Unknown Caches](#)

[Add New Cache by Field](#)

[Add New Cache From Email](#)

Done

Koala Calendar Configuration Documentation

Current Meeting AV Controls Shared Files

metaarchive - 14:44:08 - Oct 5 02:44

viewo: metaarchive

CAMERA DESKTOP PICTURE

SIZE SHOW SETUP HELP

robert mcdonald

CAM 15 f/s 313 kb/s (CIF)

298 kb/s 1 participant

Leave this meeting

RA1: metaarchive

Listen [Progress Bar]

Talk [Progress Bar]

Minimize Dock Settings Help Quit

Available

- My EVO Buddies
- My EVO Communities
  - Internet2 (USA)
    - Meetings
    - Users
      - Ching LEE
  - Other EVO Communities
    - High Energy Physics
    - Fusion
    - National Education and Research
    - Astronomy
    - International Projects

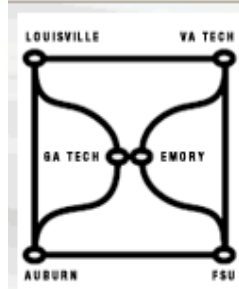
Internet2 (USA) metaarchive EVO Message x

[14:45:55] robert mcdonald the cooperative agreement is in its 6th draft

**EVO Web Collaboration Tools**

Connected to Panda RedIRIS\_ES [vrvs.rediris.es] TCP

14:49:00



article discussion edit history move watch

# Main Page

## Contents [hide]

- 1 MetaArchive of Southern Digital Culture Working Documents
  - 1.1 Conspectus
  - 1.2 Cooperative Agreement Analysis Plan (CAAP)
  - 1.3 Technology Documents
  - 1.4 NEH Grant Rough Draft
  - 1.5 IMLS Technology Training Grant Rough Draft
  - 1.6 Security and Continuity Plan Rough Draft
- 2 Wiki Editing Help

- navigation
- Main Page
  - Community portal
  - Current events
  - Recent changes
  - Random page
  - Help
  - Donations

search

- toolbox
- What links here
  - Related changes
  - Special pages
  - Printable version

## MetaArchive of Southern Digital Culture Working Documents [edit]

Contents of the old wiki can be found [here](#)

## Conspectus [edit]

- ScopeDocument
- DescriptiveSchema
- DescriptiveSchemaElements
- MaterialsDocument
- SubjectsDocument

## Cooperative Agreement Analysis Plan (CAAP) [edit]

**MediaWiki Portal – Document Collaboration**

# Organizational Issues

## “Sustaining the Cooperative”

### Advancing our models:

- **Organizational**
- **Technology**
- **Service**

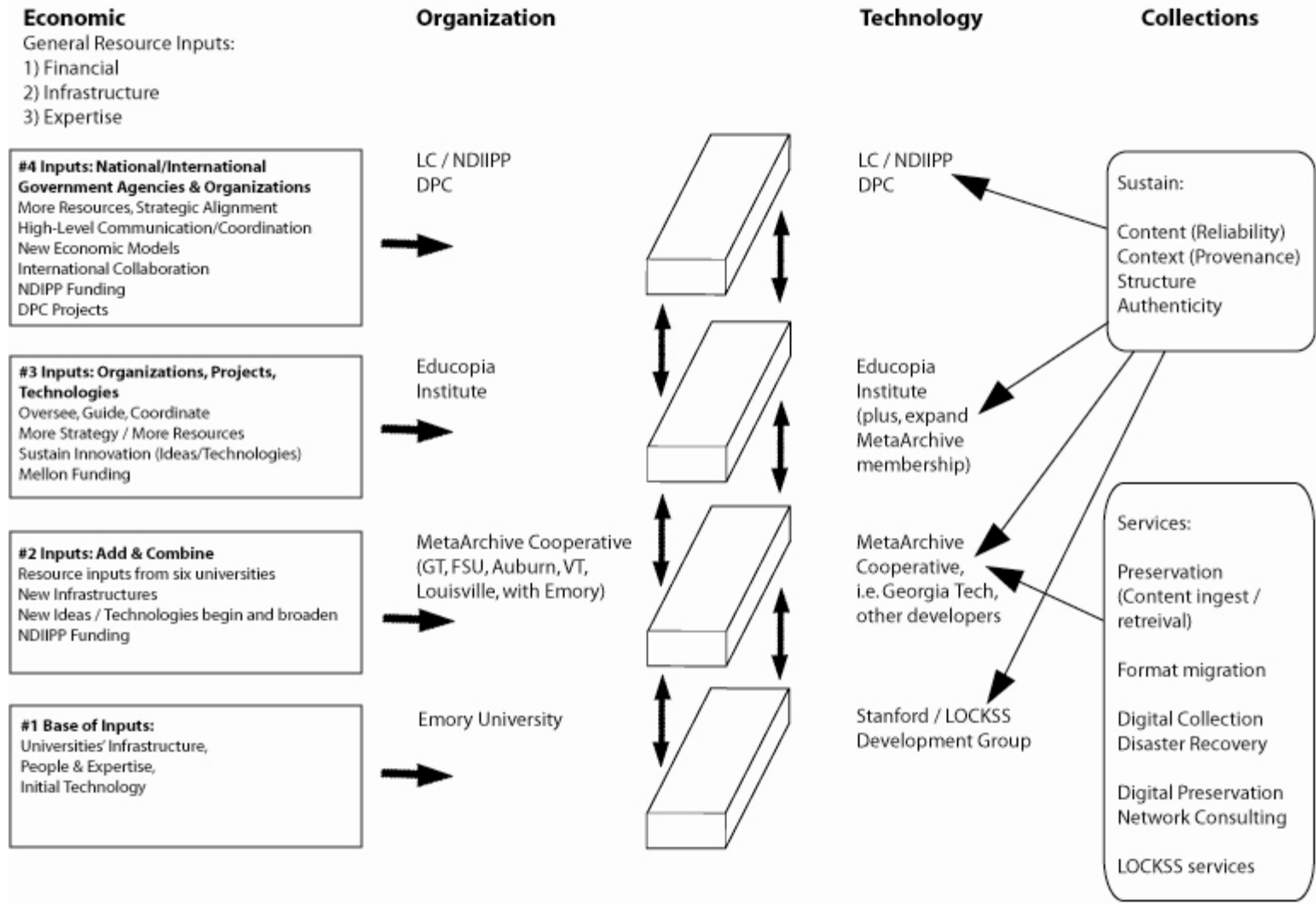
### Organizational Model of Sustainability:

- Individual institutions: **Emory, etc.**
- Consortia-building: **Cooperative Charter**
- Non-profit mgmt. entity: **Educopia Institute**
- National strategic partnerships: **LC/NDIIPP**





# MetaArchive Digital Sustainability Model



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# MetaArchive as Consortia: Cooperative Charter

- Cooperative Charter addresses four areas:
- A) Types of partnerships in the MetaArchive Cooperative:
- **Development Partners** – responsible for developing and testing the preservation network technology and operating a preservation node
- **Preservation Partners** – responsible for operating a preservation node, ingesting collections from partner institutions, and making the node available for testing
- **Contributing Partners** – cultural memory institutions that possess digital content to preserve via the MetaArchive Preservation Network. They contribute fees for this service, do not operate a node
- **Sponsored Partners** – cultural memory institutions that own or possess digital content they wish to preserve, but cannot contribute service fees. A Development Partner sponsors the preservation of their digital content

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# Cooperative Charter

## B). How MetaArchive is organized, governed, and communications

- **Steering Cmte.**
- **Content Cmte.**
- **Preservation Cmte.**
- **Technical Cmte.**

- Partner institution reps can serve terms on the committees, ensuring a broad participation in governance and operations

## C). Cooperative services to members

- **Digital preservation** (network dev./maintenance, content ingest/retrieval)
- **Format migration**
- **Digital collection disaster recovery**
- **Digital preservation network consulting**
- **LOCKSS services**

## D). 1. Technical specs for preservation network

2. Copy of memo of understanding between the six universities

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# MetaArchive and Educopia Institute

- Non-profit management entity – Three issues:
  - 1) Continuing need for financial resources
  - 2) Expose MetaArchive to new digital projects to inform development
  - 3) Economically efficient, catalytic structure to bring these about
- Educopia Institute:
  - Provide oversight to MA Cooperative and other digital projects
  - Low-cost, low overhead conduit for digital library, scholarly communications technology projects
  - Advance cyberinfrastructure needed to drive research, teaching and learning in contemporary digital era
  - NSF (2003) and ACLS (2006) Cyberinfrastructure reports:
  - **Scholarly activity – teaching, research, learning, knowledge transfer via scholarly communications – need rational, strategic cyberinfrastructure**

**EI: Generate DL technology projects to support mission and goals**

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# Nat'l Strategic Partnership: LC/NDIIPP

- **Access to resources, context of a nat'l digital preservation agenda**
  - LC's digital preservation partners and their approaches
  - Expertise within LC itself
  - Funding - \$650,000, 2004-2007 - servers, project staff
  - Driver to develop MA models: Organizational, Technology, Services
- **Facilitate communication on dig. sustainability, gather know-how**
- **Economic models for digital library activity**
  - Consultant, Paul Courant – Univ. of Michigan, participates in meetings and projects regarding economic sustainability issues for digital pres.
- **Align programs and projects with Nat'l/Int'l initiatives**
  - Increasingly important to generating revenues
- **Emerging Nat'l/Int'l approaches to guide funding**
  - UK: JISC and DCC
  - Australian Partnership for Sustainable Repositories [APSR]
  - Netherlands KB E-Depot
  - U.S.: NDIIPP

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# MetaArchive: Organizational Issues

## International Strategy?

- Membership in **Digital Preservation Coalition**
  - Further embed MA's activities in Nat'l/Int'l strategic initiatives

**Summary:** In two years, much work has taken place to grow the MetaArchive Cooperative into a sustainable organization:

- Four levels of organization building:
  - **Institution**
  - **Consortium**
  - **Non-profit Management Entity**
  - **National/International Strategic Partner**

...should result in a dynamic and developing organization that productively addresses distributed digital preservation issues

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# Digital Preservation of Interest

- *LC NDIIPP*  
<http://www.digitalpreservation.gov/>
- *MetaArchive*  
<http://www.metaarchive.org>
- *KB e-Depot*  
<http://eprints.rclis.org/archive/00005795>
- *JISC UK LOCKSS Pilot*  
[http://www.jisc.ac.uk/index.cfm?name=programme\\_lockss](http://www.jisc.ac.uk/index.cfm?name=programme_lockss)
- *Australian Partnership for Sustainable Repositories*  
<http://www.apsr.edu.au/>
- *SDSC/NARA Chronopolis Project*  
<http://globalstor.org/pdf/presentations/Moore-chronopolis.pdf>



# Collaboration Tools of Interest

- *EVO*  
<http://evo.caltech.edu/>
- *VRVS*  
<http://www.vrvs.org/>
- *ConferenceXP*  
<http://research.microsoft.com/conferencexp/>
- *Jabber*  
<http://www.jabber.org/>
- *PHPCollab*  
<http://www.php-collab.com/>
- *MediaWiki*  
<http://www.mediawiki.org>

