Local to Global

community digital preservation collaborations

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Local to Global: community digital preservation collaborations

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Abstract:

InDiPres is an endeavor amongst cultural heritage organizations to collaboratively advocate, educate, establish digital preservation practices, and provide enterprise class preservation platforms. Sustainable high quality preservation strategies should be accessible to all organizations regardless of size and funding but unfortunately a high barrier of entry creates an exclusive clique.
Indiana State University and the MetaArchive Cooperative
Indiana Digital Preservation (InDiPres) : Project Objectives

✓ Raise awareness about digital preservation through workshops and a website.
✓ Implement the InDiPres governance structure
✓ Support meetings of the **InDiPres Ingest Pathways and Workflows Working Group** to prepare the **InDiPres Guidance Document**
✓ Three-year MetaArchive Collaborative Membership Costs
✓ InDiPres Lockss server for the MetaArchive network
✓ Portable hard drives for on site harvesting
✓ Metadata Specialist salary
✓ Staging area for data wrangling and propagation into the network
Member Institutions:

- Indiana State Library (Host)
- Cunningham Memorial Library, Indiana State University [Host]
- American Legion Auxiliary
- Butler University Libraries
- DePauw University Libraries
- Knox County Public Library
- Lebanon Public Library
- The Private Academic Library Network of Indiana (PALNI)
- Rockville Public Library
- Logan Library, Rose Hulman Institute of Technology
- Sisters of Providence of Saint Mary-of-the-Woods, Indiana
- Sullivan County Public Library
- Vigo County Historical Society
- Vigo County Public Library
Lessons in collaboration & Project Management

X Website based on and instructional design platform (Co-Pi)
• Standard webhosting and student intern developer

X Staging server removed from grant due to local procurement procedures.
X Collaboration with an outside partner for hosting fell through
X Staging server based on (Archival Unit of 30GB) on a 90GB windows server 2016)
• Portable - network attached storage (NAS) linux-ish

There. It's fixed.
Necessity is the mother of invention
Data flow: a copy of a copy of a copy of a copy
Collaboration

• Building InDiPres relationship network
• Site visits, communication with membership
• Creating trust and confidence
• Information and guidance on MetaArchive and InDiPres digital preservation
• What to do and how to do it
• Awareness of differences in resources and circumstances
InDiPres Workflow

- Workflows and Project Configuration Decided Upon
- Site Visits and Member Meetings
- Member Collection Appraisal
- Member Data Preparation and Organization

Ongoing Member Collaboration, and Communication with InDiPres

InDiPres Infrastructure Creation via MetaArchive

InDiPres Collection Organization, Metadata Description, and Bagging

Ingest into Server & MetaArchive Network
Metadata Formats and Strategies

• Variation in metadata types and quality
• Ranging from high quality to nonexistent
• Requirement of flexibility
• Information and support when needed
• Perfection is the enemy of the good approach
Levels of Metadata Description

**Item Level Metadata**

**Collection Level Metadata**

**Unique Collection Identification**

**Bag/AU Identifier String**
Unique Identifier, Collection name, number, and date combination for ingest harvesting

**Bagger Profile Metadata**
Location and Contact Information Recorded in Text Document

**MetaArchive InDiPres >Member Organization**
Member collections in parent/child relationship with InDiPres

**MetaArchive InDiPres Metadata**
Record of collection and preservation status

**InDiPres Member Metadata**
Description and technical infrastructure to allow harvest and ingest
AU/Bag Organization and Recovery

- Critical element for data ingest, preservation
- 1:1 Bag- Archival Unit relationship
- One collection Bagged and made into one AU
- Easier loss recovery, specific collection needed restored
- Natural language, collection name in AU identifier
AU-Bag Nested Relationship

MetaArchive Archival Unit - Identified by IDP_Bag#_CollectionName_Date String

Bagged Collection - Same Identification String; Contains

- Collection Data
- Collection Manifest
- Member Profile Metadata
- Checksums

Harvest and Ingest to MetaArchive
InDiPres Accomplishments

• Preservation for under resourced institutions
• Protection of Indiana cultural heritage and history
• Proof of concept, functional system
• Exportable collaborative digital preservation model
September 20, 2017 InDiPres Membership Meeting at Indiana State Library
Welcome to the Cooperative!

Sam Meister

@metaarchive
@samalanmeister
Digital preservation network created and hosted by and for memory organizations
Independent membership organization
MetaArchive History

2004 - Founded as part of NDIIPP funding and activities

2006 - Educopia Institute founded to serve as administrative home for MetaArchive

2007 - MetaArchive becomes initial Affiliated Community

2017 - Celebrates 10 years as membership-based preservation network
Membership Levels

Collaborative: $2,500/year
Preservation: $3,000/year
Sustaining: $5,500/year

Technology fee: ~$2,000/year
OR
Server cost: <$5,500/term

Storage fee: $585/TB/year
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Members

- Auburn University
- Boston College
- Cal Poly San Luis Obispo
- Consorci de Biblioteques Universitaris de Catalunya
- Florida State University
- Isabella Stewart Gardner Museum
- Greene County Public Library
- HBCU Library Alliance
- Indiana State University
- InDiPres
- Ohio University
- Oregon State University
- Penn State University
- Pontificia Universidade Catolica do Rio de Janeiro
- Purdue University
- Rockefeller Archives Center
- University of Louisville
- University of North Texas
- University of South Carolina
- Virginia Tech University
- Williams College
LOTS
OF
COPIES
KEEP
STUFF
SAFE
SuperNode Network
Better support preservation needs of small organizations
Lower barriers to joining and participating in network
Current Network
Supernode Network
Ingest

DRAG

DROP

FILE SYNC

Staging Server

Member Storage Node
Thank you!

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