Disasters at any Scale: The MetaArchive Cooperative’s Community-based approach to Risk Mitigation and Disaster Preparation in the 21st century

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IFLA WLIC 2016
Sunday August 14, 2016
Columbus, Ohio, USA
Hallmarks

Distributed digital preservation

Institutions maintain control over their own content

Preservation as a process, not a push-button exercise

Simplicity in ingest, management
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
- 2014 - Celebrated 10 years of successful preservation network
MetaArchive is a cooperative, not a vendor:

- All hardware and software assets are owned by members
- Membership fees and storage fees go to a central pool of support for members’ co-op activities
Membership

- Auburn University
- Boston College
- Cal Poly San Luis Obispo
- Carnegie Mellon University
- Consorci de Biblioteques Universitaris de Catalunya
- Florida State University
- Isabella Stewart Gardner Museum
- Greene County Public Library
- HBCU Library Alliance
- Indiana State 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
Membership Levels

Collaborative members: $2.5K/year

Preservation members: $3K/year

Sustaining members: $5.5K/year

Server cost: <$5K/term
Storage cost: $585/TB/year
Membership Responsibilities

- Undertake a **3-year** membership term
- Take responsibility for content preparation, evaluation, staging, and ingest testing
- **Monitor** collections to ensure accurate long-term preservation
- Host and maintain a MetaArchive cache (server) or pay in a technology support fee
- Join and contribute to Committees
Philosophy in Practice

- Compatible with any repository system
  - E.g., Dspace, Fedora, Archivalware, ETDdb, CONTENTdm, BePress, Digital Commons, etc
- Member institutions determine their own curatorial practices
- MetaArchive is a community of support to help them make informed decisions
LOCKSS
LOTS
OF
COPIES
KEEP
STUFF
SAFE
MetaArchive Cooperative = Private LOCKSS Network
MetaArchive Practices

Basic processes

“Producer” (OAIS) determines curation practices; brings digital content to MetaArchive
MetaArchive Practices

Basic processes

“Producer” (OAIS) determines curation practices; brings digital content to MetaArchive

Multiple copies of digital content dispersed across geographical, political, and environmental lines
MetaArchive Practices

Basic processes

“Producer” (OAIS) determines curation practices; brings SIPs to MetaArchive

Multiple copies of AIPs dispersed across geographical, political, and environmental lines

Checks and repairs automated across network
Goal:

Develop, implement, modify, and evolve technical infrastructure to support *variety* of digital content from *multiple* institution types.
Member Cache

Plugin: Digital Commons

DIGITAL COMMONS®
Successful, Sustainable Institutional Repositories
Member Cache

Plugin: Digital Commons

Plugin: DSpace

DSpace
Member Cache

Plugin: Digital Commons

Plugin: DSpace

Plugin: Hydra (TBB)

DSpace

hydra
PTFS contractor developers

Plugin: ArchivalWare

Member Cache

MetaArchive staff
Simplify Ingest
BagIt
BagIt:
A hierarchical file packaging format for the exchange of generalized digital content
Current Network
Supernode Network
Thank you!

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