



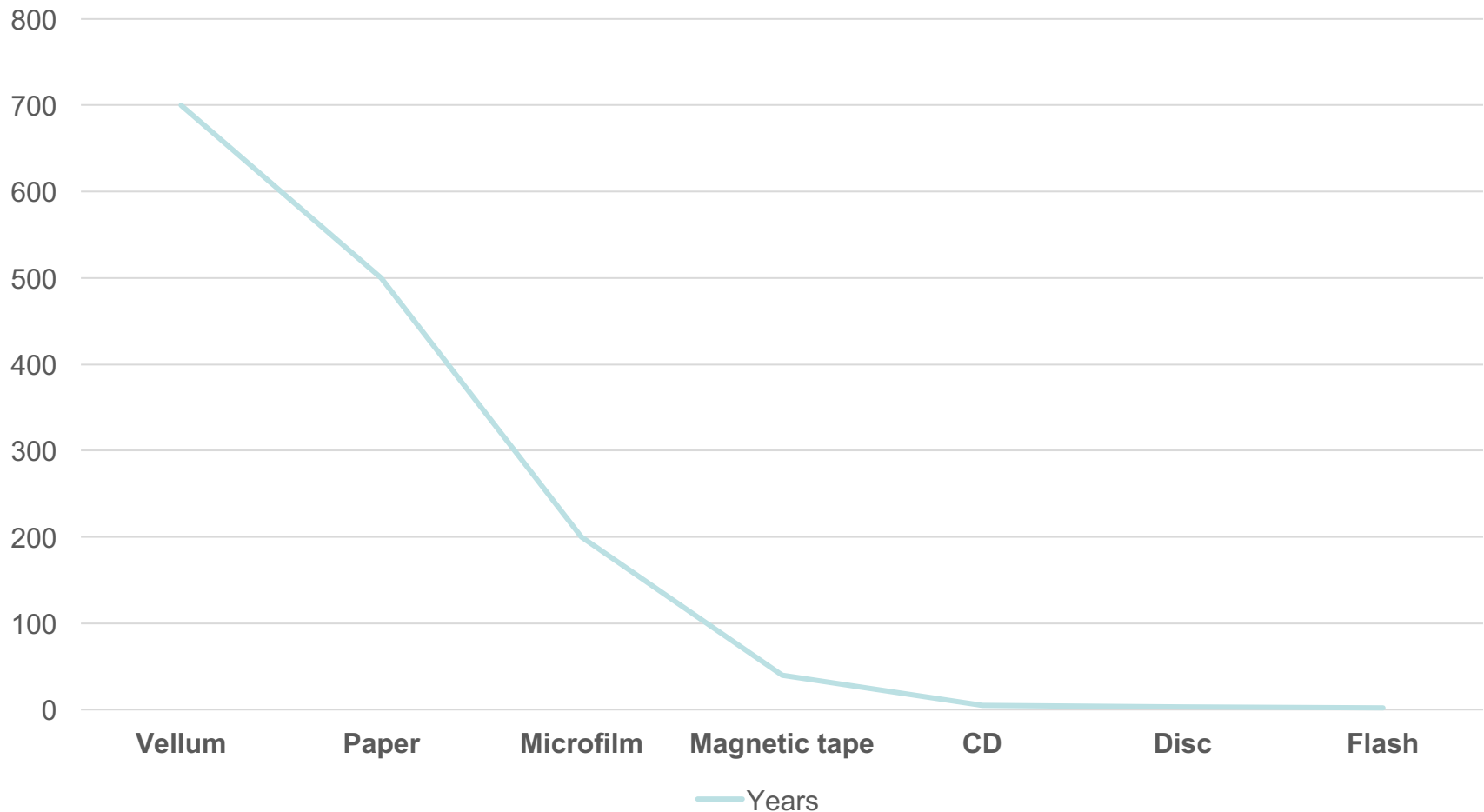
**A webinar for
Texas Digital Library members**

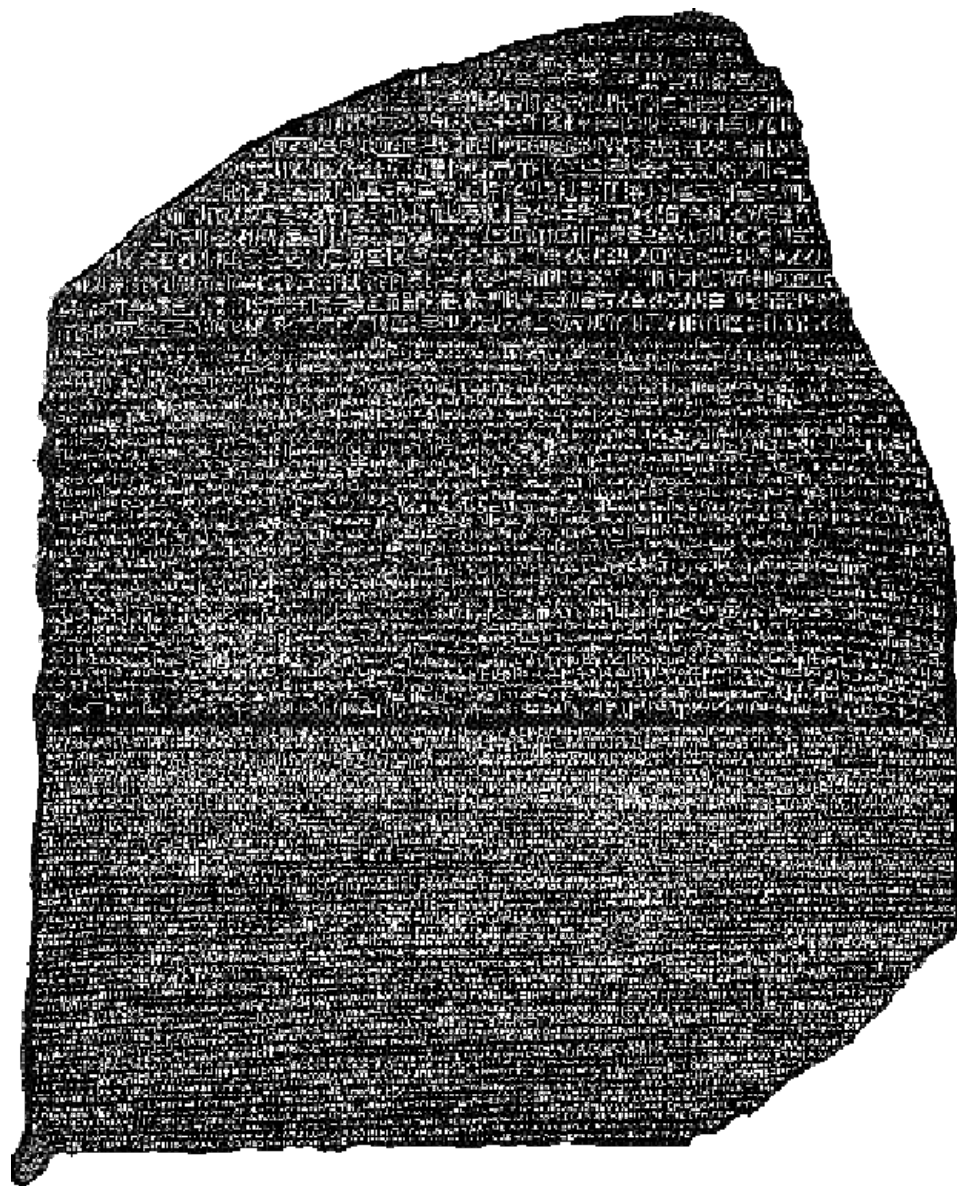
**Mary Molinaro
Executive Director, DPN**

- What is at stake?
- How DPN got started and what we are working on
- What are the next challenges?

Without preservation all
of your activities and
efforts to make content
available are at risk

The newer the media, the more fragile it is....











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day, 35 experienced woodsmen to the search. Two of the men found them this forenoon on Dead stream, following the brook in the direction of reaching a settlement. They reported that they had seen the woods Friday night and the Saturday night they had spent in an open camp. Their only food was of coffee and a little rice.

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KOL

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Knock empowered Lt. Henry O. deputy aviation commission State Policeman George Frantal scout duty along the Connecticut "balcon" of the 4

NORTHEAST
EVE
For Employ



How will we ensure that the digital assets created in our institutions are available to scholars in the future?

We must protect against:

- Natural disasters
- Technological failure
- Institutional failure



Despite our best efforts only a
fraction of what should be
preserved is being preserved

What does a solution look like?

1. Geographically distributed
2. Replication
3. Audit and repair
4. Technological diversity
5. Meet best practices for repositories
6. Succession agreements



DPN started with nothing but a big idea

Membership

- 60 universities came together with financial support
- \$20,000 per year for 3 years to start
- Research and development
- Start an endowment

An Endowed Business Model:

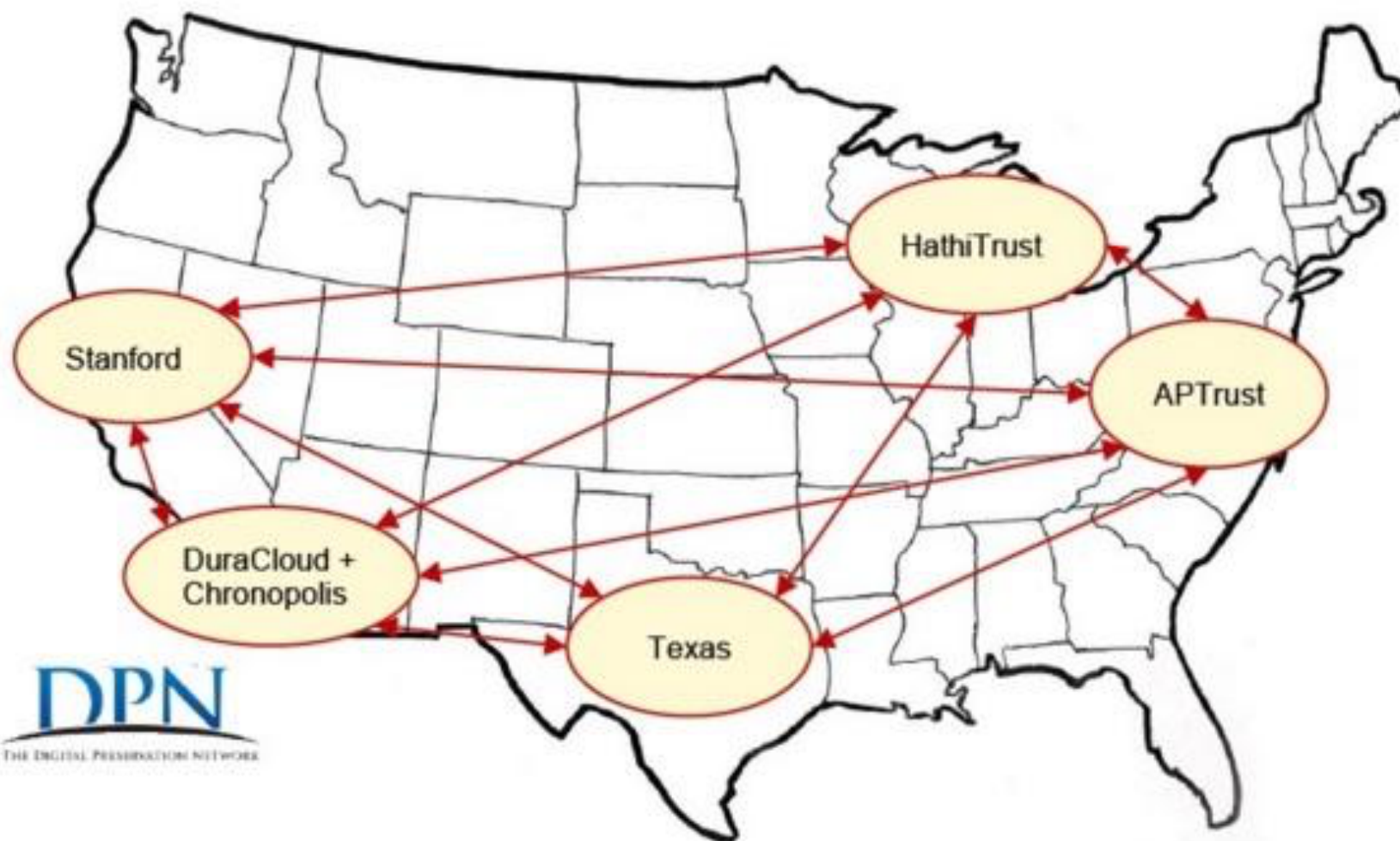
- Pay once
- Content preserved for 20 years
- Funds invested to pay for long-term preservation



Technical design

- DPN Nodes are located in different regions
- Content ingested to one Node
- Content is registered and replicated in 2 other Nodes
- Checked regularly for fixity

DPN Nodes

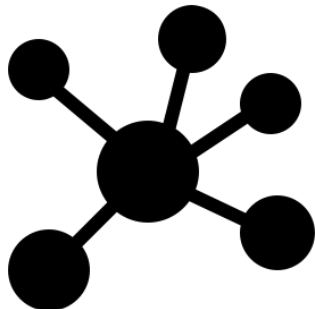


The challenges:

Technical

Legal

Business



Next biggest stumbling block?

How to develop a workflow

Develop a curriculum



Digital Preservation Workflow Curriculum Development

Findings Briefing and Workshop Outline

Submitted By:

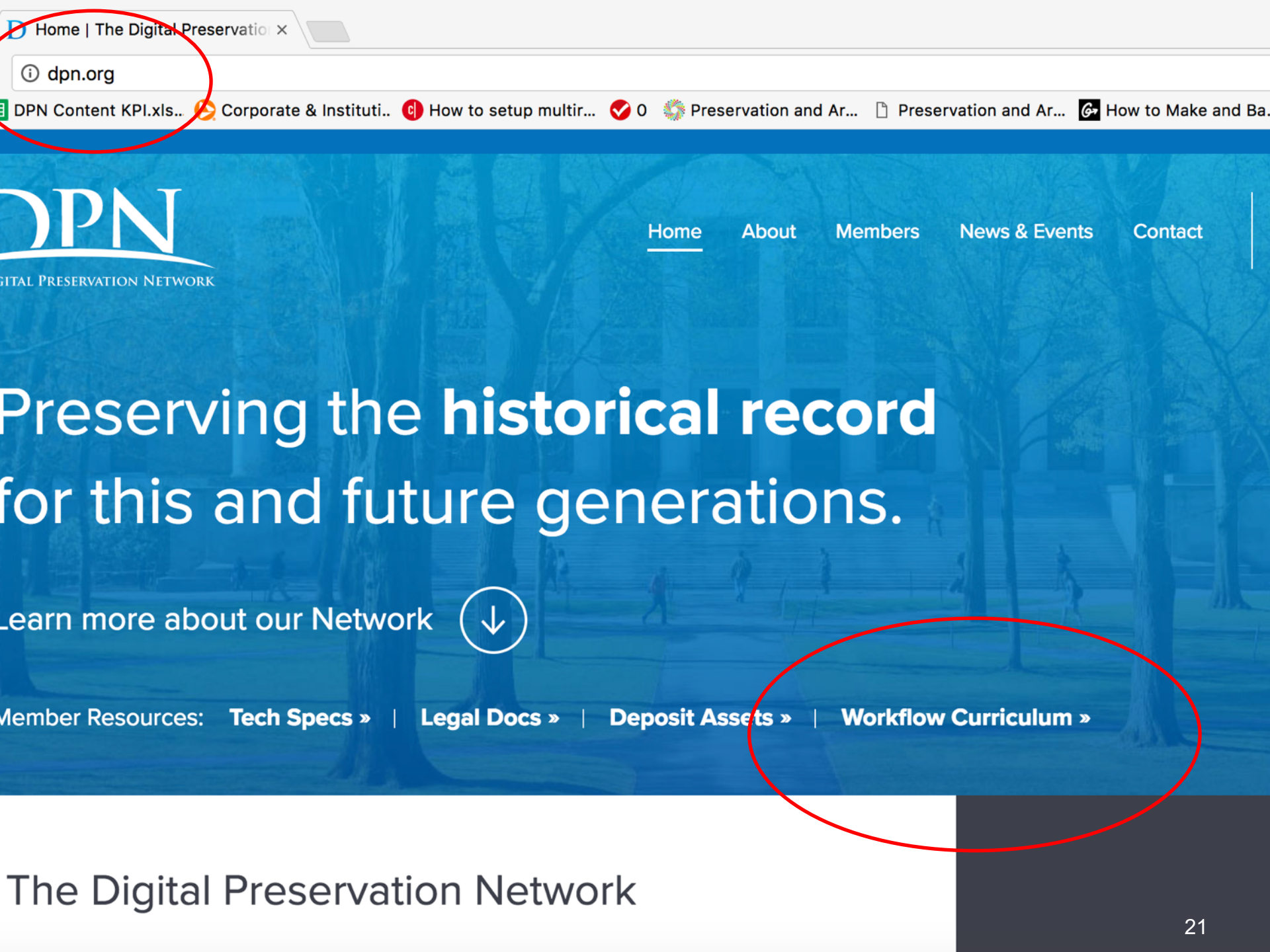


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December 15, 2016



Preserving the historical record for this and future generations.

Learn more about our Network



Member Resources: **Tech Specs »** | **Legal Docs »** | **Deposit Assets »** | **Workflow Curriculum »**

The first challenge was developing distributed dark preservation supported by audit and succession.

Move forward from
building infrastructure
to solving biggest challenges
with digital preservation

5TB-100 TB Collections



5TB-100 TB Collections



100 TB- PB+ Collections



5TB-100 TB Collections

Issues for very large collections

- Size of deposits
- Data movement
- Capacity of partners
- Cost

New DPN Service in 2018

- New DPN solution for audio & moving image collections
- Multi PB capacity
- Low cost for long term preservation



100 TB- PB+ Collections



5TB-100 TB Collections

< 5TB Collections

Issues for small collections

- Lack of technical infrastructure
- No dedicated staff
- Lack of training
- Cost

Solutions for small collections

- Developing tools and hosted solutions
- Helping with workflows
- Training
- Reducing costs

Create

Preserve



Scan documents

Create

Preserve



Image to standards

Create

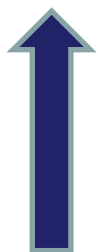
Preserve



Use a naming
convention and add
appropriate
metadata

Create

Preserve



Save master files in
a place where they
are backed up

Create

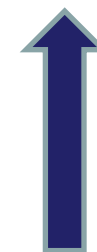
Preserve



Deposit in a
repository as
opposed to just
back ups

Create

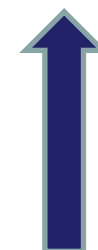
Preserve



Have files in 3
geographic
locations

Create

Preserve



Test the system to
make sure it is
working

What are the other big digital preservation challenges?

- Scalable and automated metadata collection
- Format migration
- Containing costs for massive collections
- Continued focus

Without preservation all
of your activities and
efforts to make content
available are at risk

What will it take for
information to be
sustainable over time?

What will it take to be sustainable?

- Continually examine new technologies and models
- The ability for nodes to come and go
- Members bringing skills and expertise to the table
- A good Board

What will it take to be sustainable?

- Continued engagement
- Creative solutions
- Resources
- Partnerships

Thanks!

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