Digital PRESERVATION

National Digital Information Infrastructure & Preservation Program:

NDIIPP UPDATE

January 24, 2009

Digital Preservation Interest Group, ALA

OVERVIEW

- Background
- Strategy
- Network
- Content
- Architecture
- Policy & Outreach
- Going forward

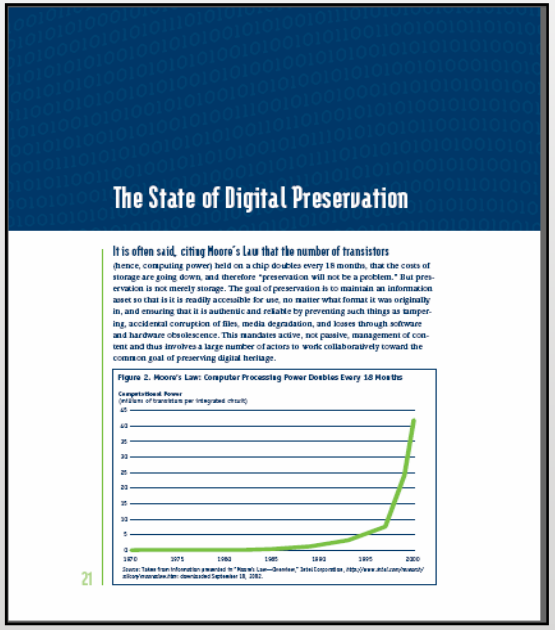
BACKGROUND

- Created by federal legislation (PL 106-554) in December 2000
  - Work with public & private sectors
  - Develop a strategy for collecting and providing long-term preservation and access to digital materials

- NDIIPP plan outlined in *Preserving Our Digital Heritage*

- Build network with matching grants; more than $40 million awarded to date

- National Digital Strategy Advisory Board (NDSAB)


The State of Digital Preservation

It is often said, citing Moore's Law that the number of transistors (hence, computing power) held on a chip doubles every 18 months, that the costs of storage are going down, and therefore "preservation will not be a problem." But preservation is not merely storage. The goal of preservation is to maintain an information asset so that is it is readily accessible for use, no matter what format it was originally in, and ensuring that it is authentic and reliable by preventing such things as tampering, accidental corruption of files, media degradation, and losses through software and hardware obsolescence. This mandates active, not passive, management of content and thus involves a large number of actors to work collaboratively toward the common goal of preserving digital heritage.

Figure 2. Moore's Law: Computer Processing Power Doubles Every 18 Months

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BACKGROUND

NDIIPP MISSION

To ensure access over time to a rich body of digital content through the establishment of a national network of partners committed to selecting, collecting and preserving at-risk digital information

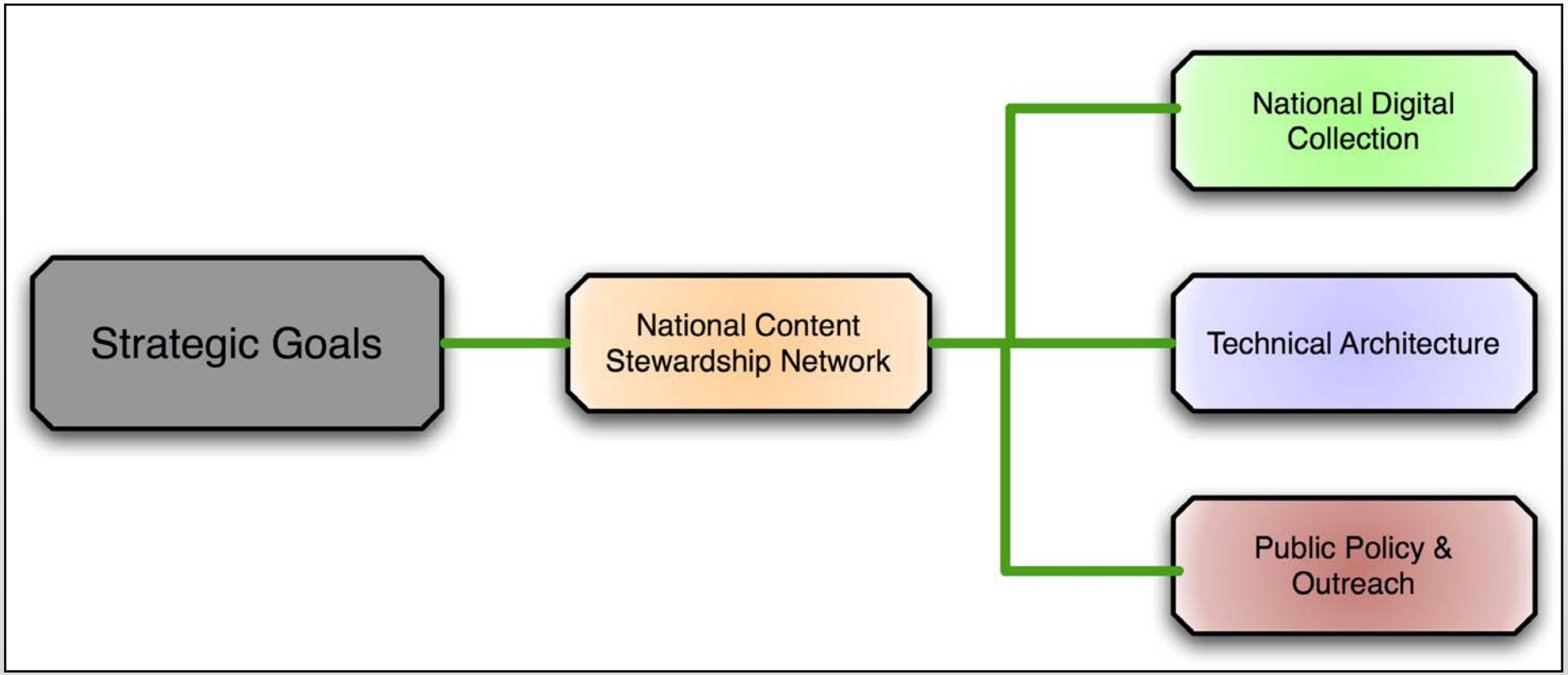
WE ARE

- A Network of People
- An Architecture for Preservation
- Working for Sustainable Access to Digital Content

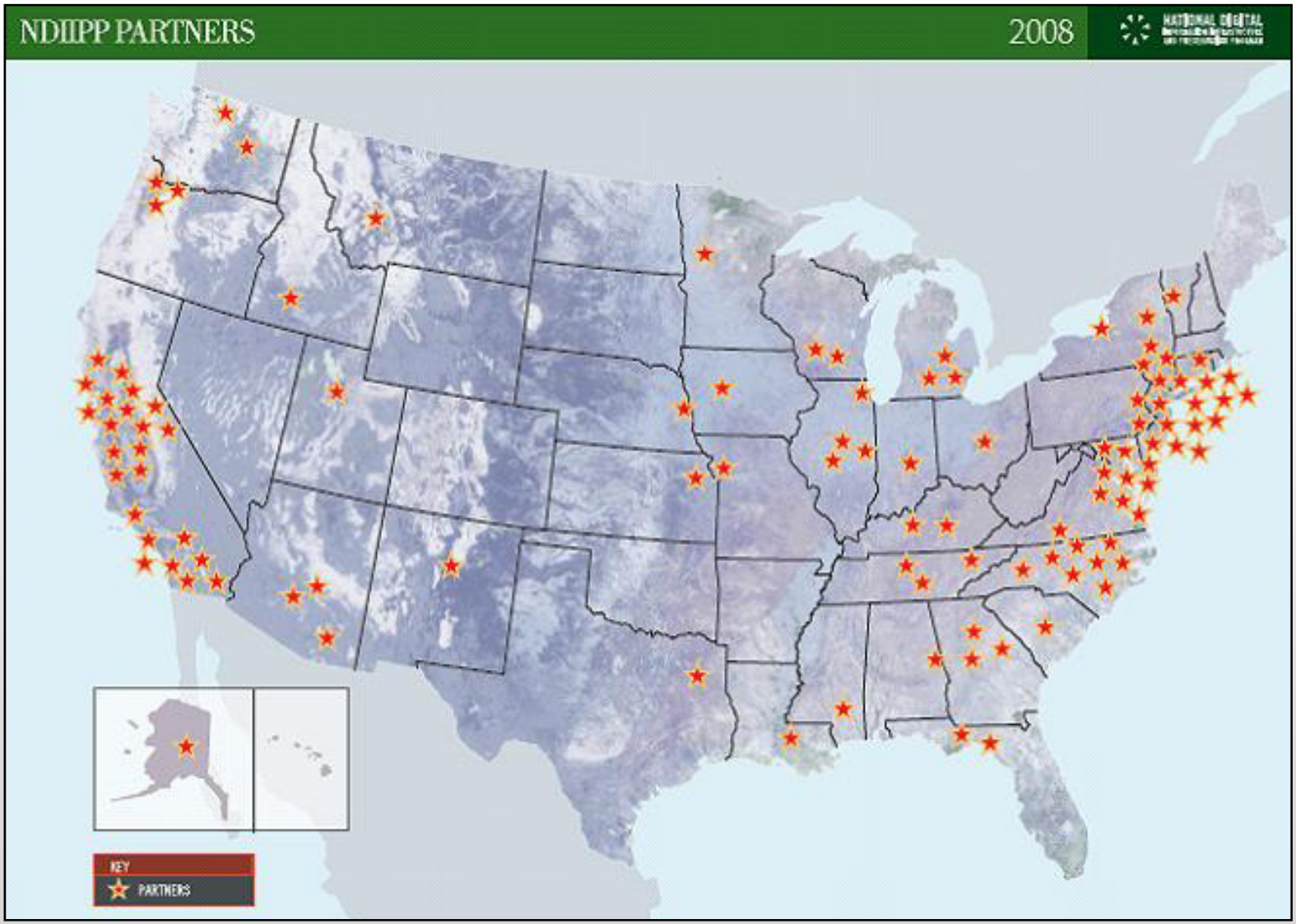
OUR MOTTO

Learn by doing

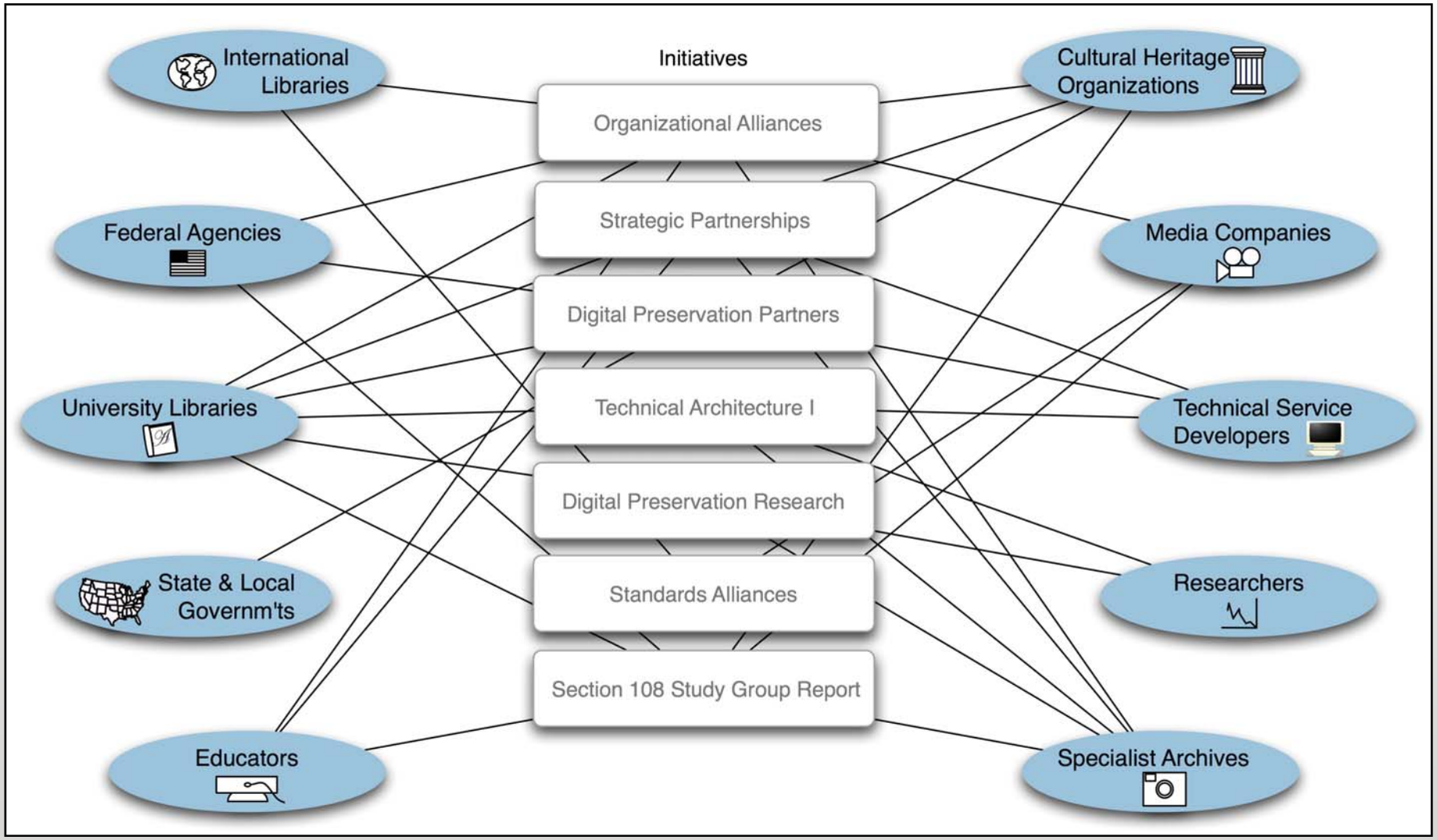
NDIIPP DIGITAL PRESERVATION STRATEGY



NETWORK: U.S. PARTNERS

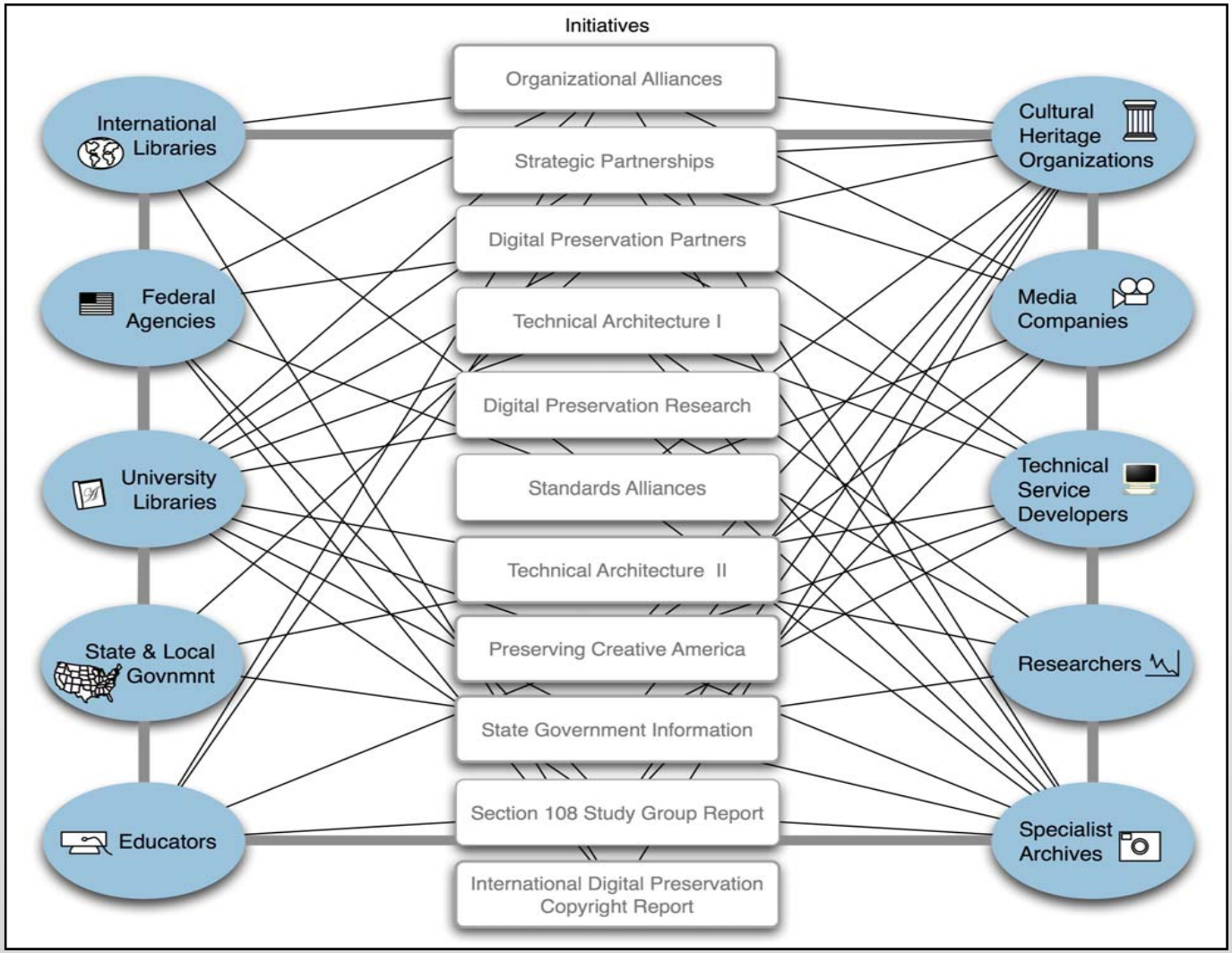


NETWORK: PARTNER COMMUNITIES 2004

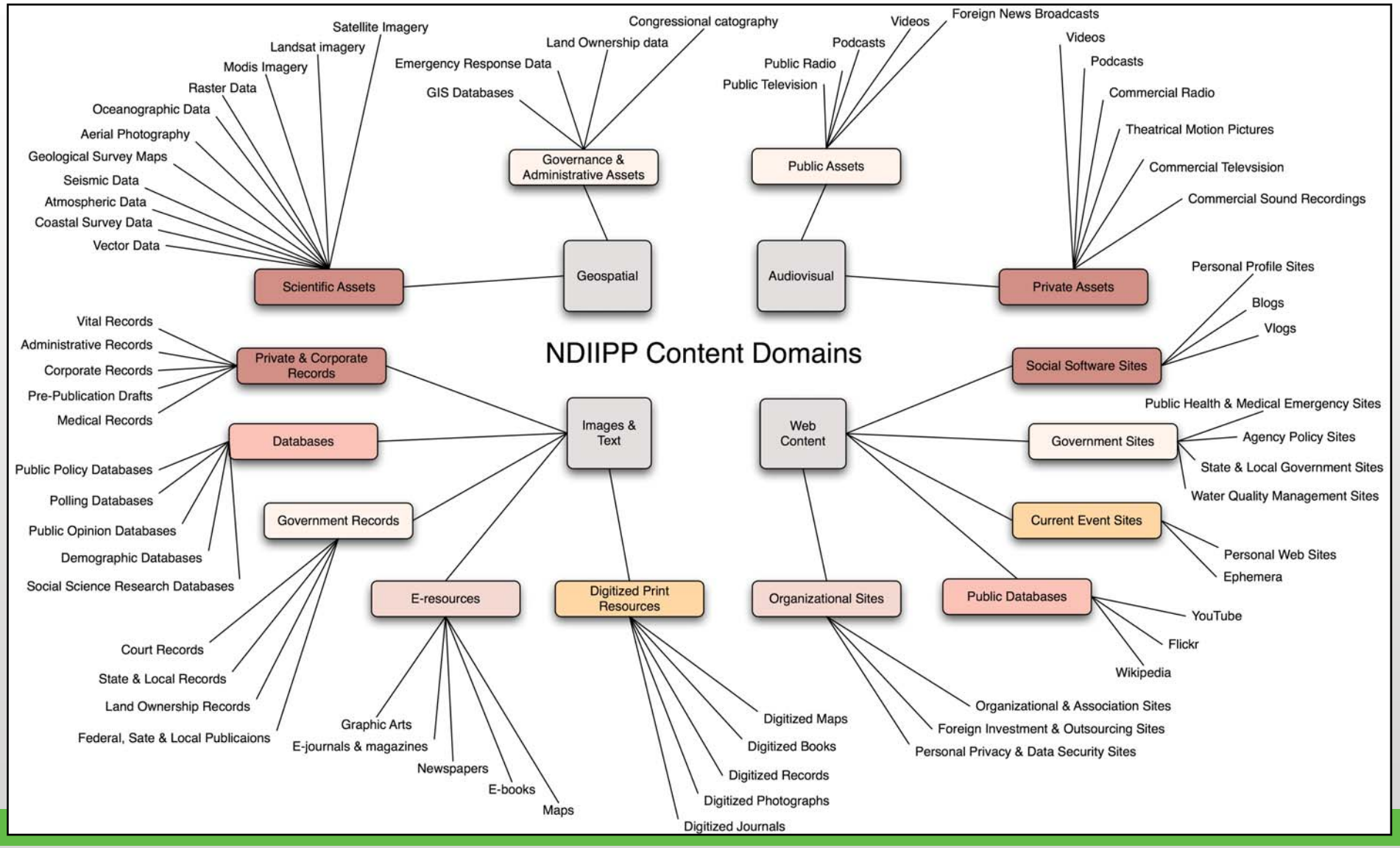


NETWORK: PARTNER COMMUNITIES 2008

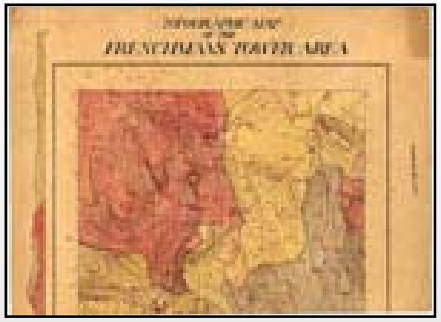
- Natural networks form over time
- Partners reengage in new projects
- Experience is shared across content domains

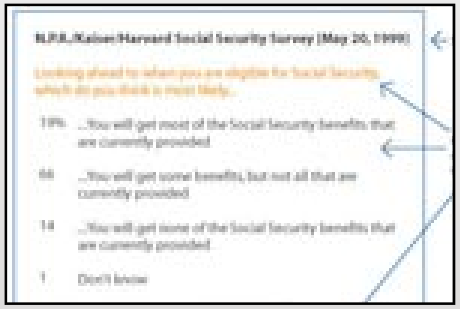


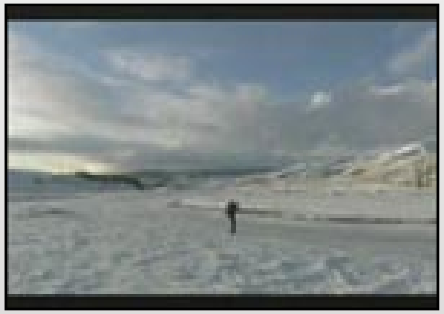
CONTENT: DOMAIN MAP

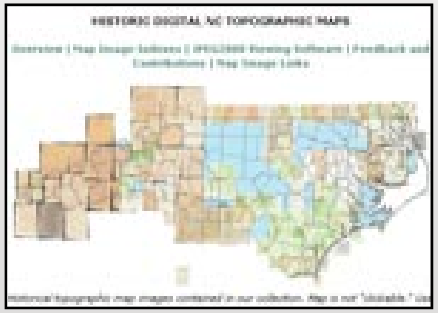


CONTENT: COLLECTIONS









Text & Images

Audiovisual

Geospatial

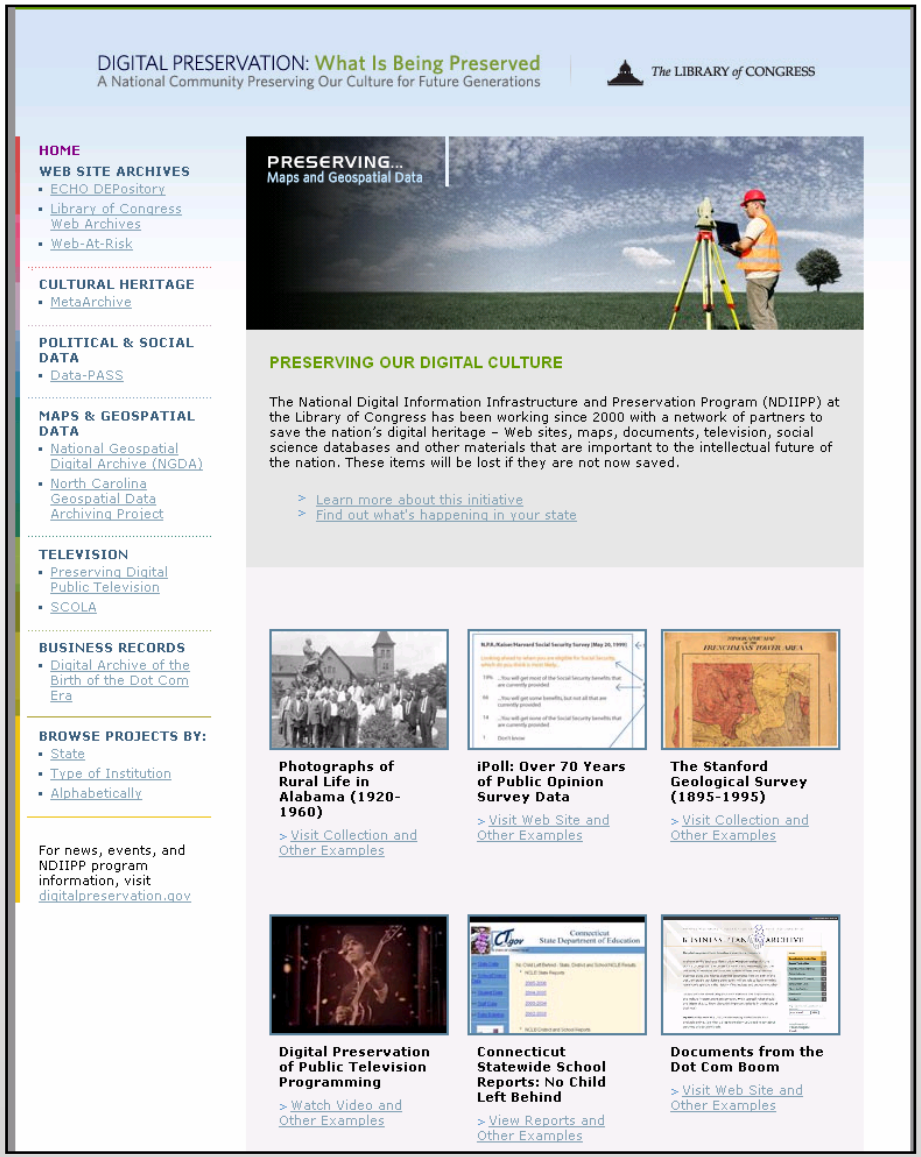
Web sites

CONTENT: ACCESS

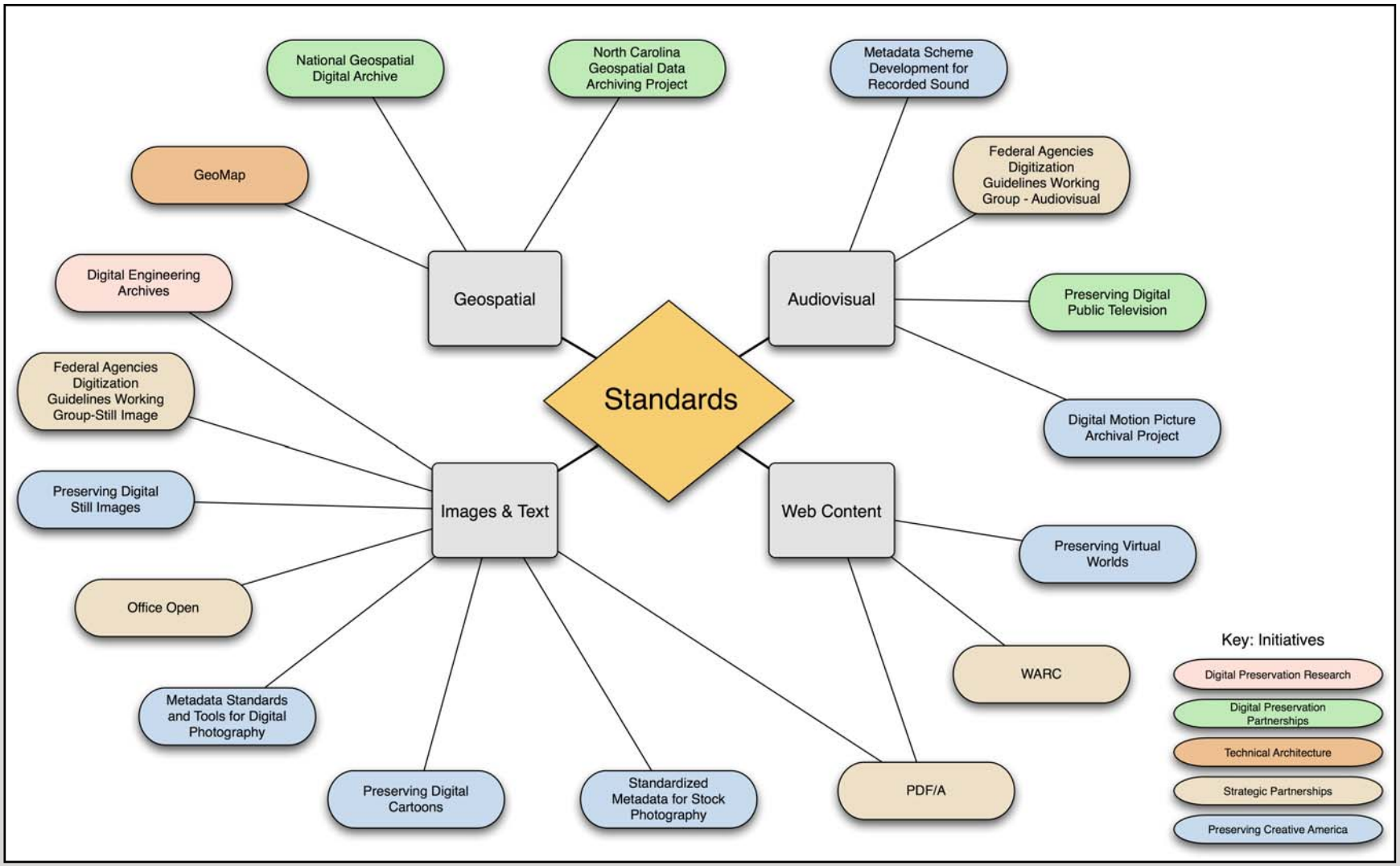
- Restricted access content portal launched in 2008

- Access challenges
  - Rights
  - Distributed collections
  - Numerous workflows
  - Vague user base

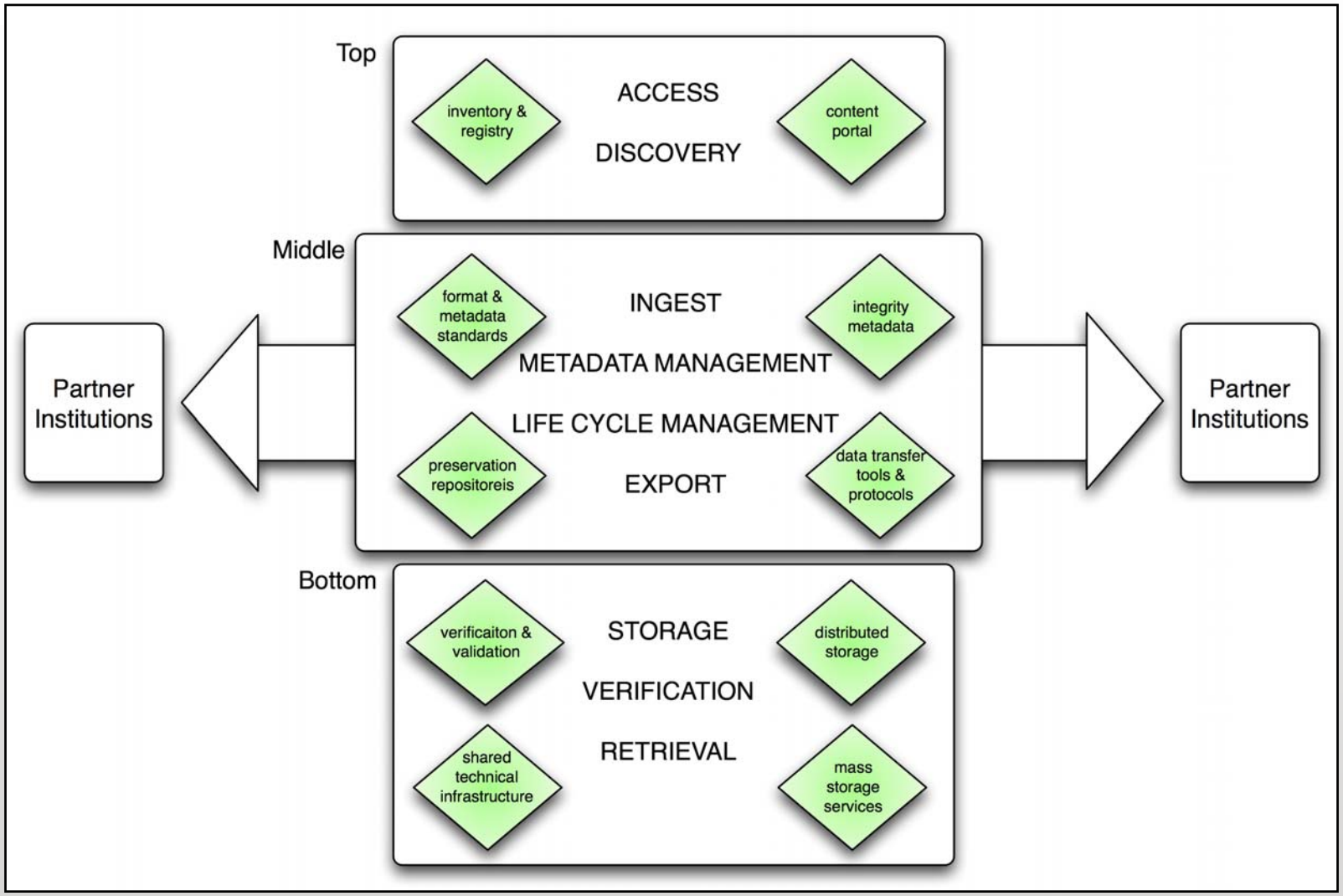
- Pilot project with Zepheira utilizing semantic web technologies
  - Discoverable resources
  - Tools for finding, accessing, and sharing
  - 2009



ARCHITECTURE: STANDARDS



ARCHITECTURE OF COOPERATION



ARCHITECTURE: TOOLS

• Inventory of tools and services designed, developed or used by NDIIPP partners during their projects

http://www.digitalpreservation.gov/partners/resources/tools/index.html

• Library of Congress transfer tool software on Sourceforge.net

http://sourceforge.net/projects/loc-xferutils/

PUBLIC POLICY

INCENTIVES TO PRESERVE

• Copyright exceptions: Section 108 Study Group Recommendations delivered to the Librarian of Congress and Register of Copyrights in March 2008
http://www.section108.gov/

• Case study: Business Records
    • Public interest in private records

SUSTAINABLE ECONOMIC MODELS

• NSF Blue Ribbon Taskforce on Sustainable Digital Preservation and Access
http://brtf.sdsc.edu/biblio/BRTF_Interim_Report.pdf

OUTREACH

- Weekly program updates on http://www.digitalpreservation.gov
- Monthly newsletter with over 2700 subscribers
- Demonstrations at National Book Festival
- Printed brochures for stakeholders and the general public

GOING FORWARD

- Building a national digital collection
  - Public policy resources
  - News, Journalism, and Newsmakers
  - Arts and Culture

- Develop a strategic framework and plan for a national digital collection

- Organize, grow and maintain partnerships; 50 state coverage

- Enable technical management through infrastructure projects

- Questions?

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