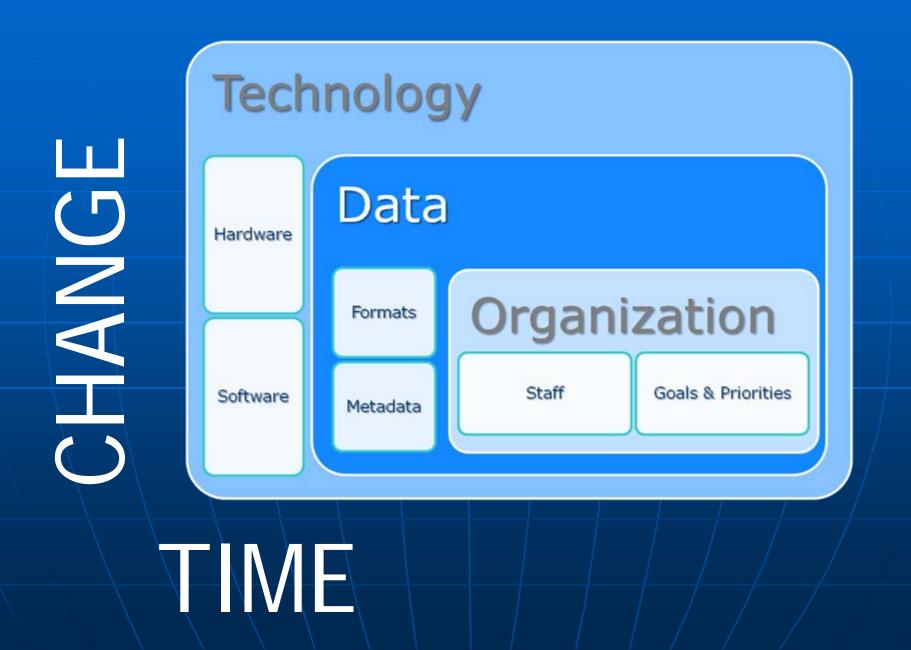
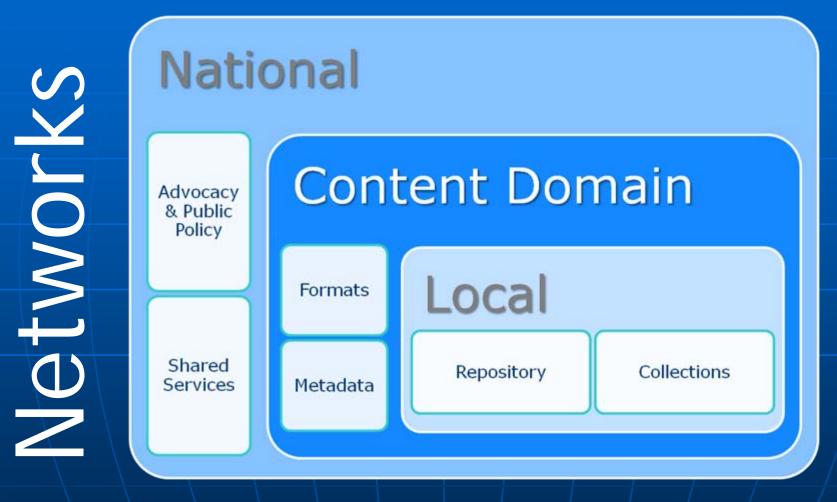
**Risk and Response** Lessons from the National Digital Information Infrastructure and Preservation Program

> Martha Anderson, Director NDIIPP Program Management The Library of Congress

# Everything should be made as simple as possible, but not one bit simpler.

Einstein





# Stewardship



Technology
Legal
Ownership
Resources

Metadata
Value
Organization
Expertise



# Catalytic

Take early actionSupport new ideas

## Collaborative

 Engage willing partners in areas of mutual interest and expertise
 Consult key stakeholders

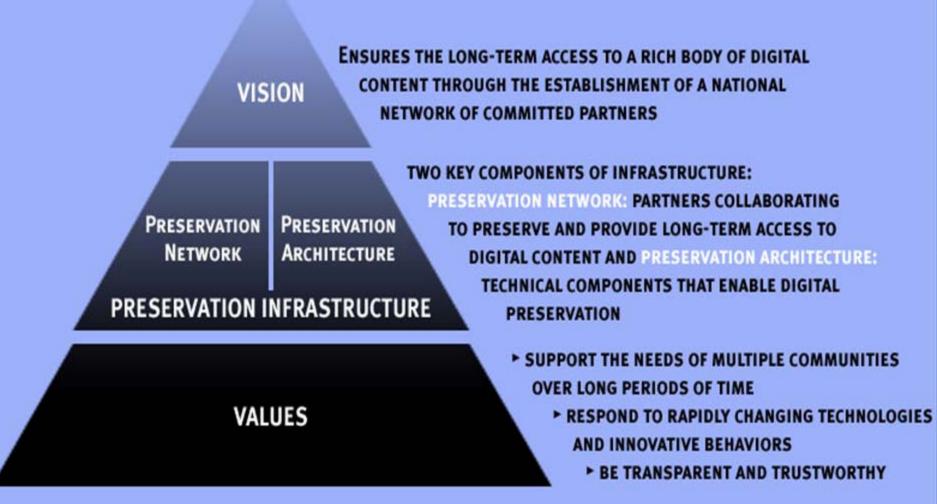
## Iterative

Learn from fact finding, planning and testing Phase investments and incorporate results back into the cycle Strategic Address broad spectrum of issues Balance short term and long term actions

## MISSION

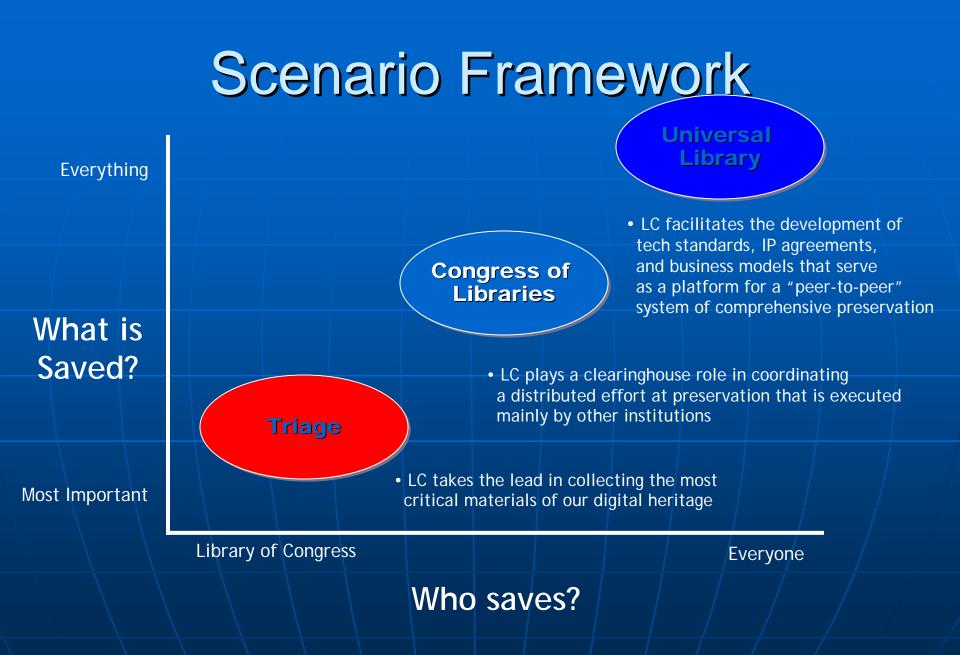
To ensure access over time to a rich body of digital content through the establishment of a national network of partners committed to selecting, collecting and preserving at-risk digital information

## A Network of People An Architecture for Preservation

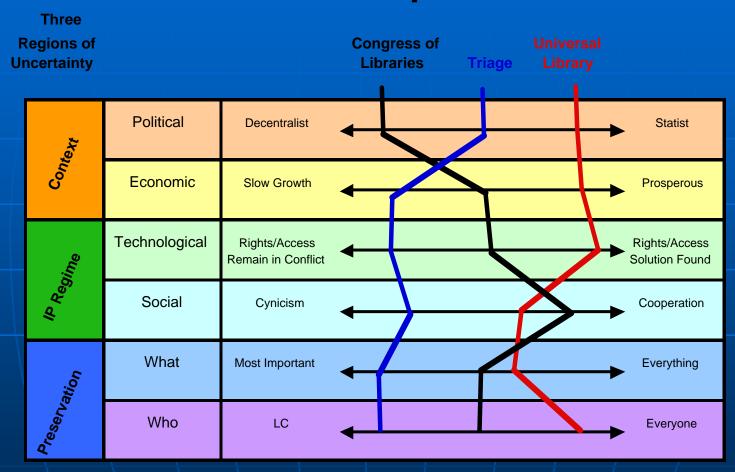


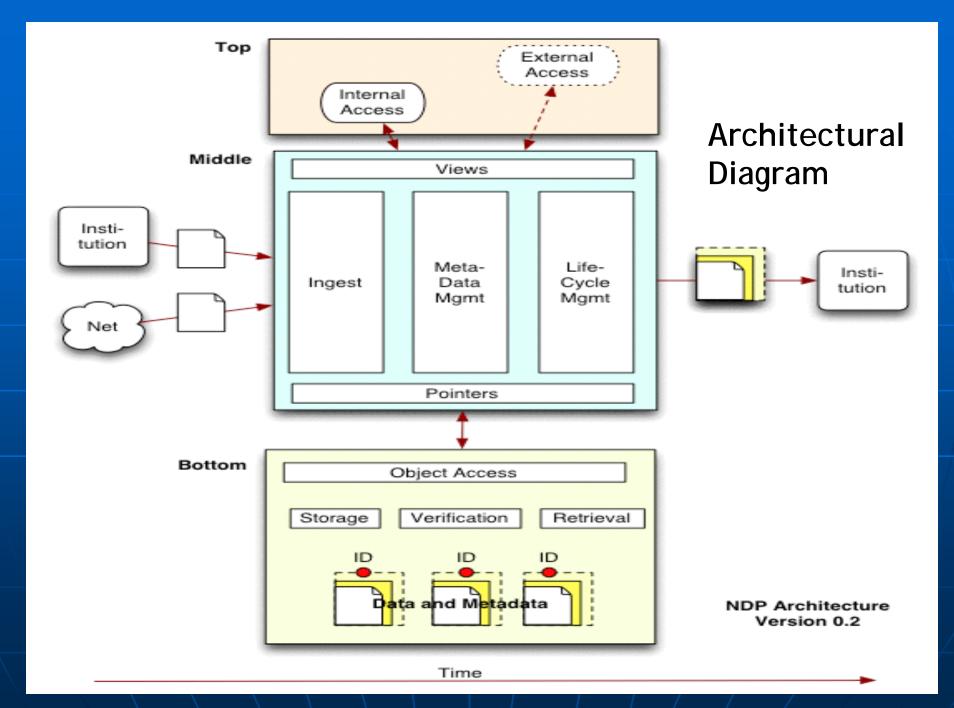
LESSONS

# Take time to plan.



## **Scenario Implications**





LESSONS

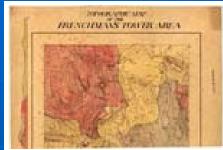
Shared focus is a critical success factor for partner networks.

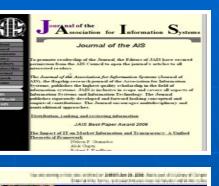
IBM informal network study, 2007

## **CONTENT TYPES**









#### N.P.A., Maisee Harvard Social Security Survey (May 20, 1999) 4-1

Excellence of load to industry process with objective from the concertion subjects day point if his is a mercer blanks...

M ...You will get upme kneedits, but not all that are currently provided

14 "Nourwill get more of the Social Security Sendits that are currently provided.

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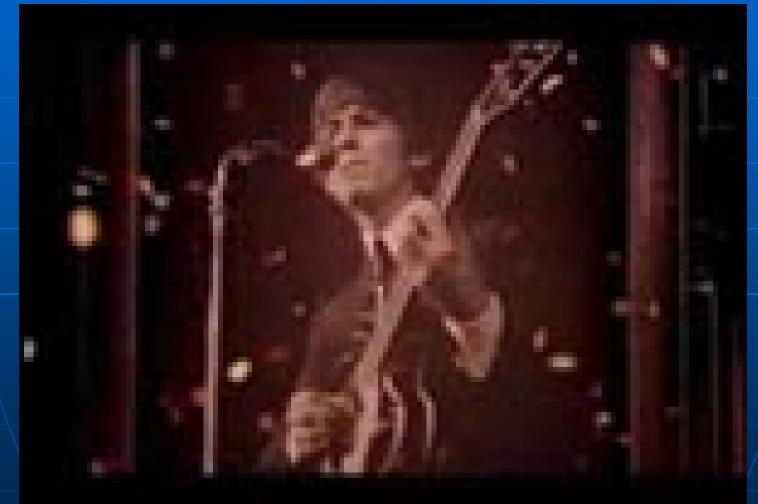
SENATE SENATE

## Images and Text Audio Visual

## Geospatial

Web Sites

## Public Television... Film footage of the early Beatles, from the archives of PBS



## Southern Culture... Vocational students in 1926, from the collections of Auburn University



Foreign News Broadcasts... Al-Jazeera, from SCOLA partnership. Used by Congress and other policymakers.



## History of American Politics... Web 2002 Archives





#### HOHE

EVENTS ON THE ISSUES ACCOMPLIANCEMENTS VOLUNTEER CENTER HULTHEDIA CENTER OST THE BUS OET LOCAL PRESERCOM ABOUT PALS CONTACT REGISTER TO YOTE EDMARCE

## erreasiones textwo

Join



YOU CAN HELP WELLSTONE WINI DONATE NOW

#### Deer 17,831 Deerer In 28823 View, the List

Histori, Larmaigs Imarca Befarro Fanten, Dr

## Paul Wellstone: You Can Count on Him to Fight for You





#### Wellstone Visits with Voters in Elk River October 24, Elk River, MN

Today, Paul Wellstone brought his Green Bus to Daddy-O's Cafe in Elk River for a good old-fashioned campaign stop with supporters. Wellstone talked with folks there about the importance of fighting for education, jobs, and affordable healthcare.

#### What People are Saying About Sen. Wellstone

State can't afford to lose Sen. Wellstone The Fargo Forum, October 23, 2002

Menaneta unlant - he aware that then

## 1

#### What's New on Wellstone.org

- Listen to Dar Nevent Radie Ads
- Wellstone.org.Adds.terre.College.Section
- Another Positive Wallstone Ad "Romonre"

#### Other Recent Top News

- Wellstein Debates the Issues in Saint Good
- » Mexecota Firefighters Endorse Wellstone for U.S. Senate
- Wellictone Works to Pasters Consumer Confidence

#### Sign up to take Election Day off of work to help us Get-Out-The-Vote!



#### You Decide Whom You can Trust to Protect Social Security

Set the Facts and Read the Complete Record about Norm Coleman's Long-Standing Support for the Partial Privatization of Social Security.

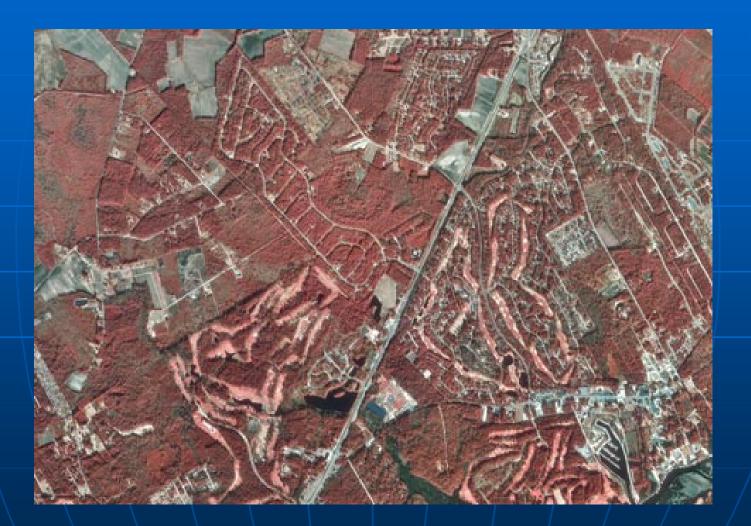
#### lick for Dotails.

#### Kids Come First -

#### Sen. Wellstone's Education Plan

Federal Education Funding Before Additional Tax Breaks for the Wealthy, Paul is fighting to put \$2 billion over ten

## **Geospatial Information...** Useful for studying demographics, populations



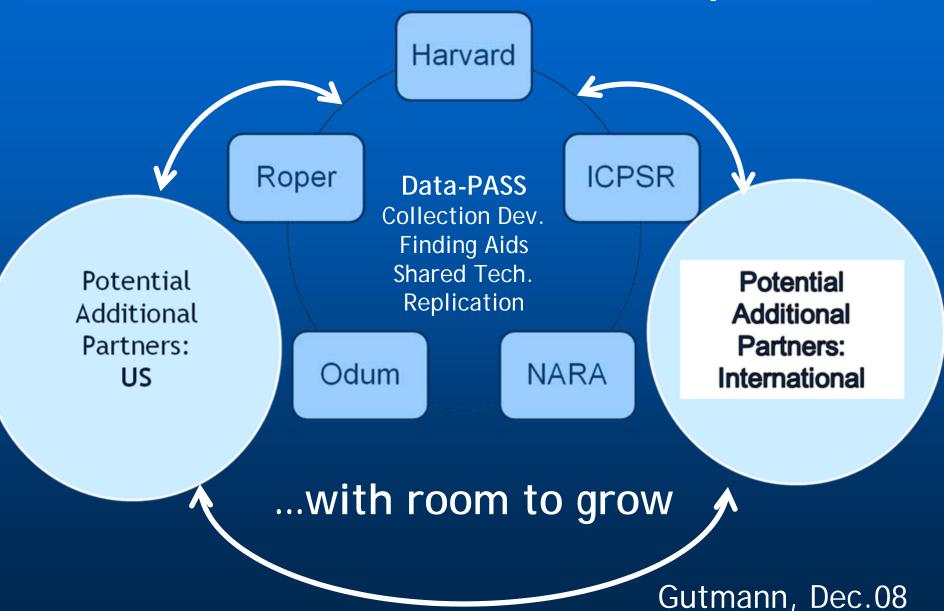
## Business Records... History of the Dot-Com Era of the 1990s

## Brobeck, Phleger & Harrison



- Prestigious San Francisco Law Firm
  - Represented ~2,000 tech clients in 1990s
- Filed for Bankruptcy, 2003
  - Paper records span 77 years, extend to 200,000 boxes
  - Digital records span 9 years, extend to 2.5-4.0 Tb (~20-40M pages of text)
- Preservation via Closed Archive
  - Established by Court Order, August 2006
  - www.brobeckclosedarchive.org

## The Data-PASS Network is Simple...

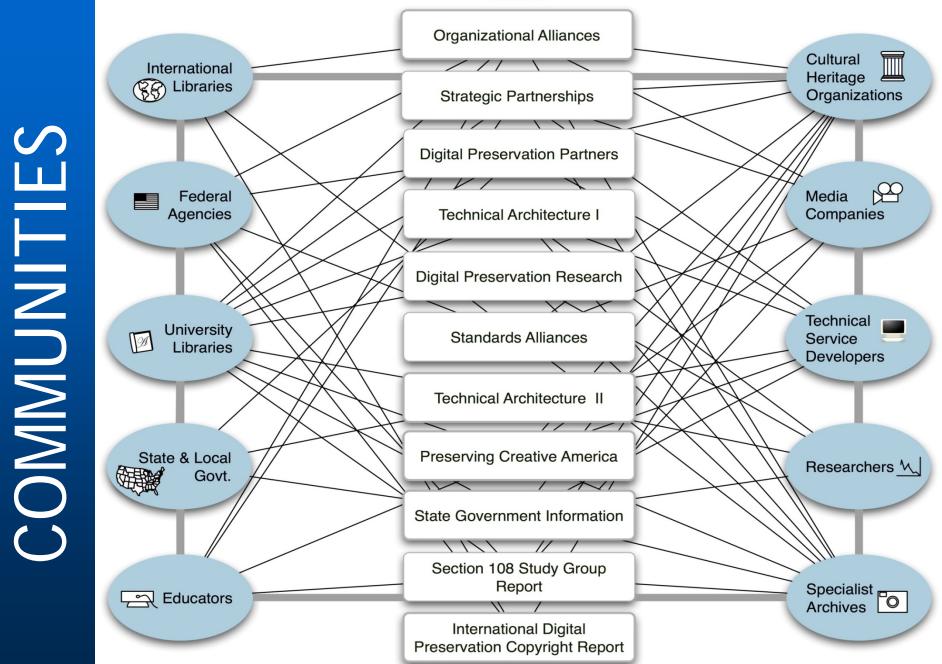


LESSONS

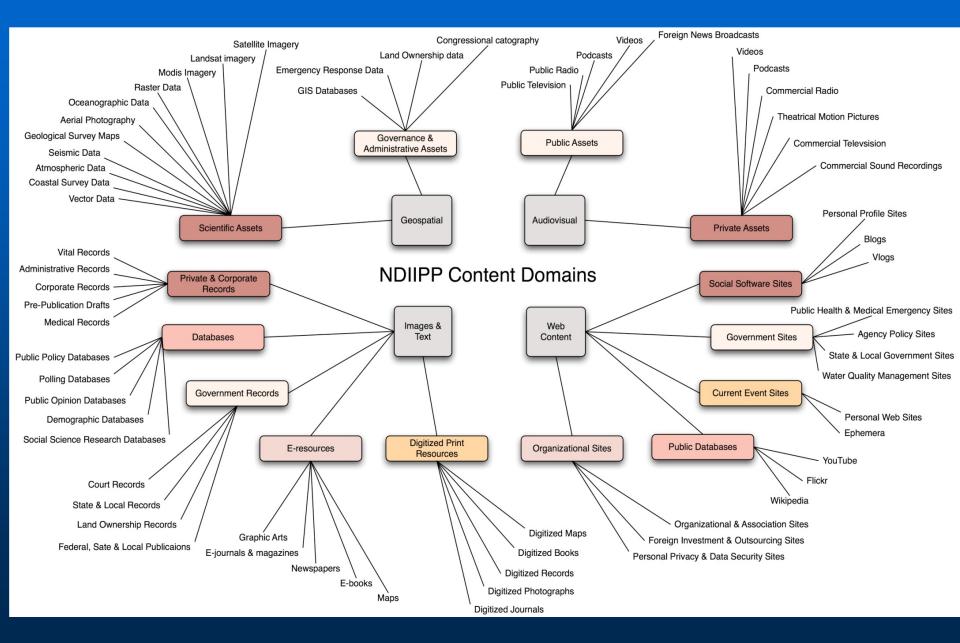
# Diversity works for, *and against*, you.

### 2008

Initiatives



## **CONTENT: Bridging Diverse Domains**



#### Activity

Web Archives Audiovisual Confidentiality & Privacy Copyright Data Transfer Distributed Storage Geospatial Data Government Information Privacy & Confidentiality Standards & Best Practices Sustainability Text & Image Web Archives

WHO . WHEN . WHERE

19 Projects filtered from 184 originally (Reset All Filters)

1 result out of 19 cannot be plotted.



ACCESS



## 7 Items

#### sorted by: title; then by... $\bullet$ ${\mathscr O}$ grouped as sorted



## California Wildfire Web Archive

This collection contains an archived list of date captured web sites covering the 2007 California wildfires. The following example provides a new way of viewing the data leveraging the Recollection platform.

2009-03-02



Public analysished and an and an and

## Library of Congress Web Archive: 2006 California Elections

The Election Web Archives are selective collections of content archived during the 2006 elections. The following example provides a new way of viewing the data leveraging the Recollection platform.

#### 2009-03-02

Ph. Tahut

#### National Digital Information Infrastructure



#### Tags

84

1930's 2004 2007 Aerial Photographics

## California Candidates

Elections International Kentucky Mountain Life NDIIPP Partners Opinion Polls Photography Television Web Sites Wildfires

#### **Collection Type**



## Organization

্য	California Digital	-
	Library	
-1	Library of Congress	
1	National Digital	_



1.

# GEOGRAPHY



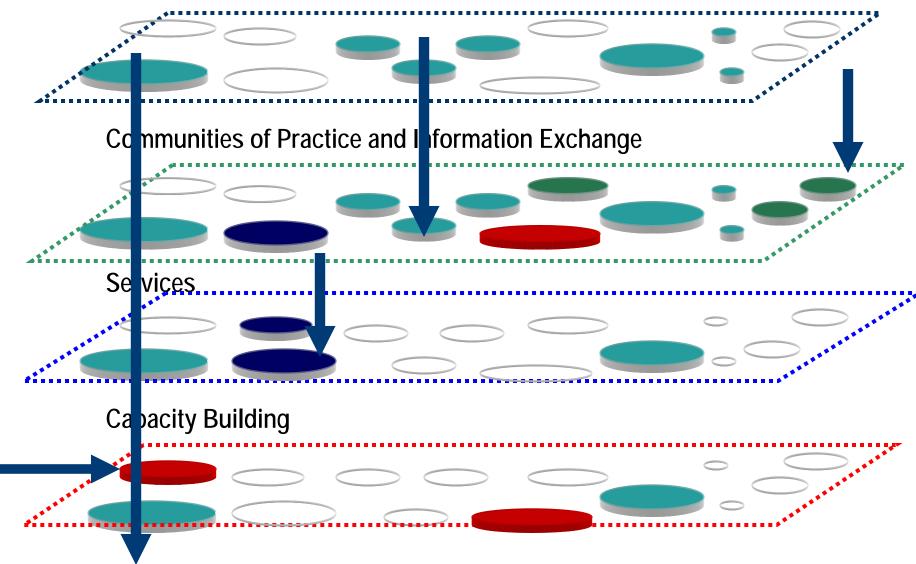
## NDIIPP PARTNERS

LESSONS

Within a preservation network, an organization may take on one or more roles.

## **Roles in the Stewardship Network**

## **Committed Content Custodians**



LESSONS

Organizational models depend upon strength of leadership and commitment

## **Centralized distributed**

- Strong leadership
- Members unsure of long-term commitment
- Shared cost & expertise
- May not encourage ownership

## Webb,2003

## More equally distributed

## No leader

Members willing to share responsibility
Share costs & expertise
Difficult to

establish effective
leadership

Webb,2003

# Highly distributed

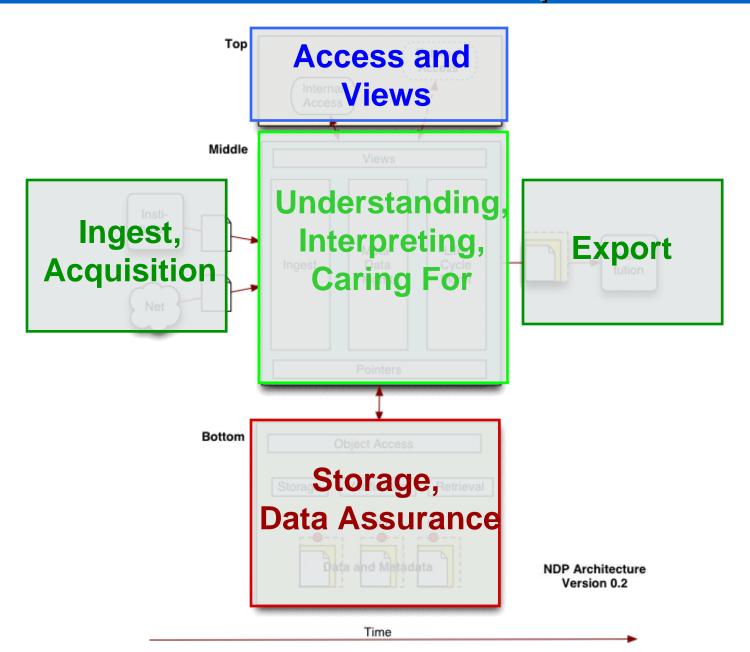
Webb, 2003

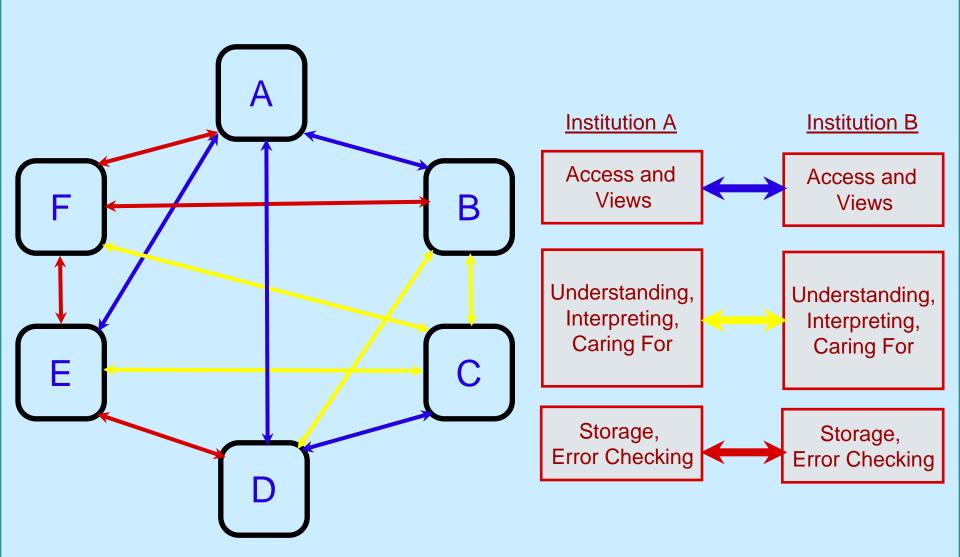
Coordinator
 Members have
 limited responsibility
 Provides starting point
 High costs

LESSONS

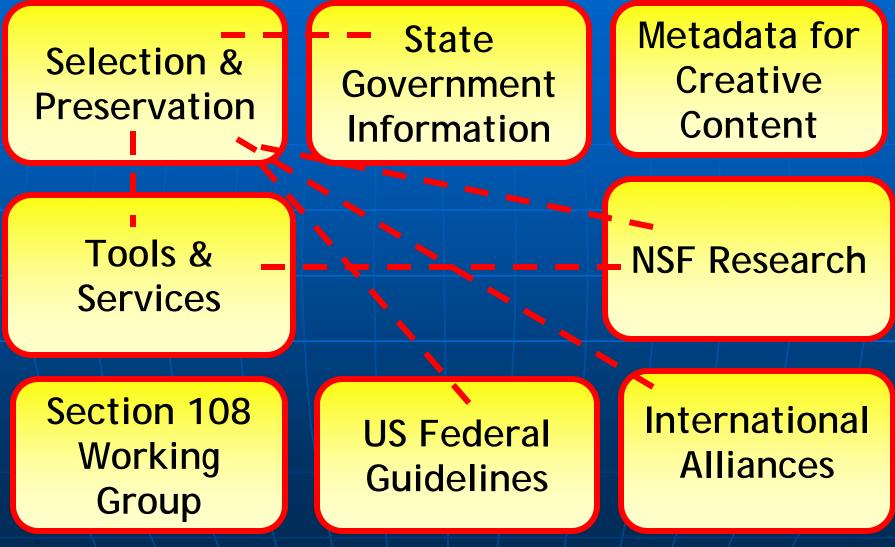
No one organization can meet the challenge alone.

## Architecture of Cooperation





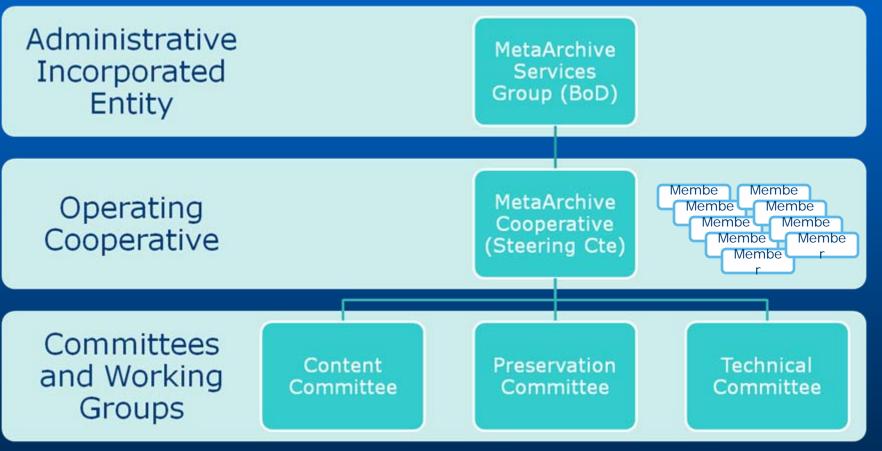
## **Initiatives and Actions**



LESSONS

Interoperability is not only for technology and data.

## **MetaArchive Cooperative**



#### Halbert, December 08

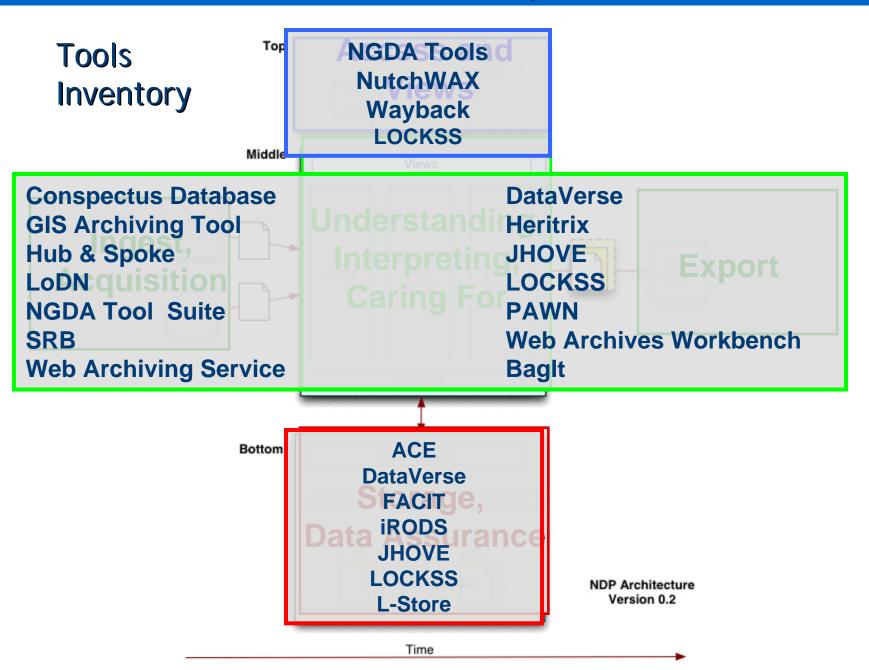
LESSONS

# Keep it simple.

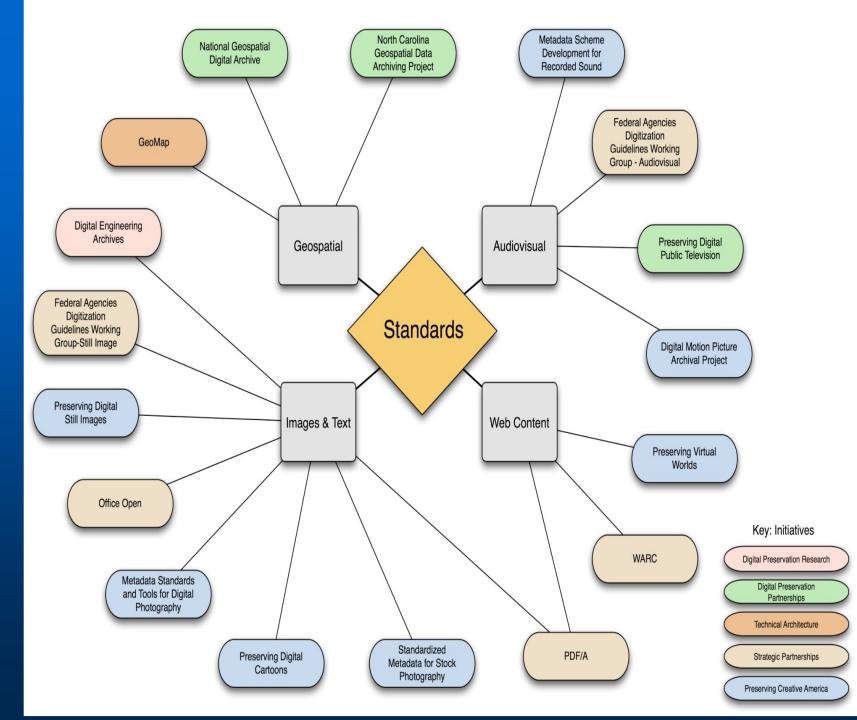
## Tools for Transfer a transfer spec and an Open Source project for tools



#### Architecture of Cooperation



**STANDARDS** 

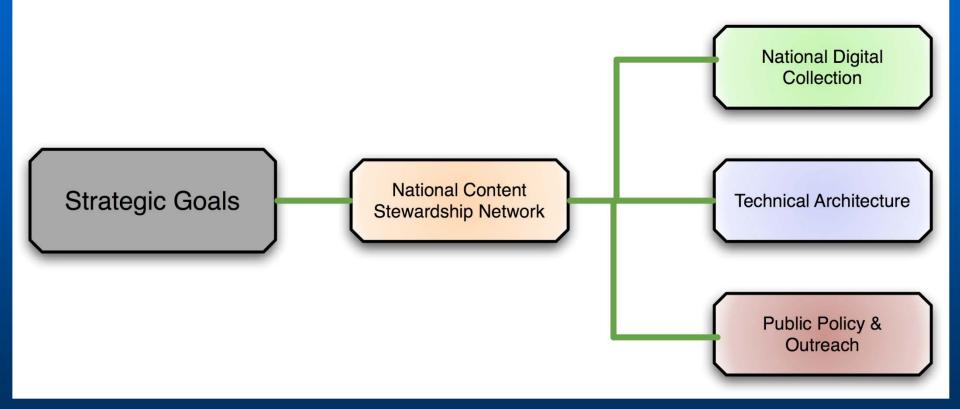


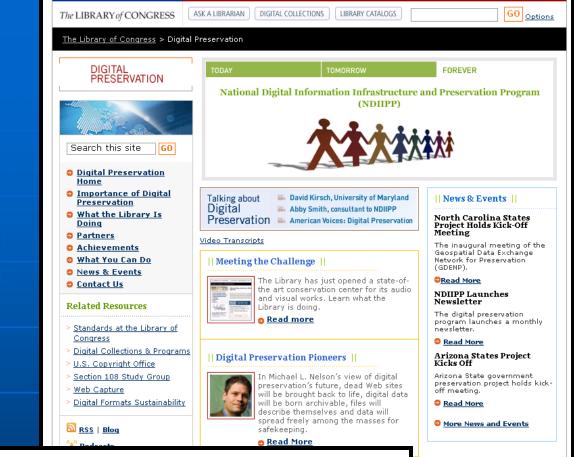
The network learned to Take early action Work locally, share globally Build upon existing work Collaborate in competitive environments Handle complexity with simplicity

LESSONS

# It is time to charter a national network.

## National Digital Preservation Strategy





### NDIIPP Web Site http://www.digitalpreservation.gov/

#### || Did You Know? ||



Did you know that digital materials can be more difficult to preserve than physical ones?

#### Sead More

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