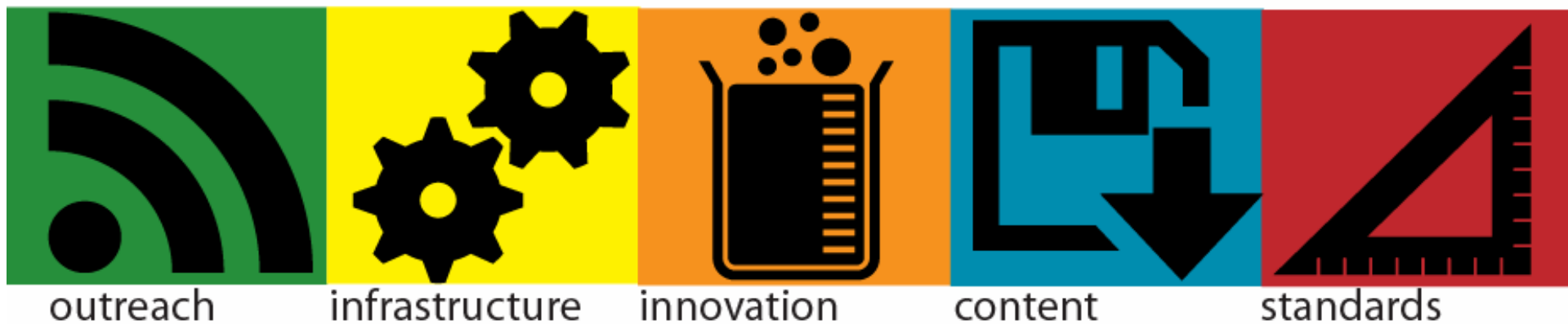


NATIONAL DIGITAL STEWARDSHIP ALLIANCE



Infrastructure Working Group

Trevor Owens, Library of Congress

NDSA 



National Digital Stewardship Alliance

An initiative of NDIIPP to promote broadened access to digital materials, build community around digital content stewardship activities, and foster the development of standards, best practices, and infrastructure for digital preservation.



outreach

infrastructure

innovation

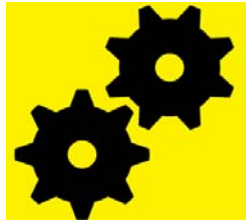
content

standards

NDSA Membership

Universities, consortia, professional societies, commercial businesses, professional associations, government agencies, libraries, archives, museums and other organizations with a stake in keeping digital information accessible.





NDSA Infrastructure Working Group Purpose

To build a community of **sharing information and best practices** about the **development and maintenance** of tools and **systems** for the curation, preservation, storage, hosting, migration, and similar activities for the **long term preservation of digital content.**

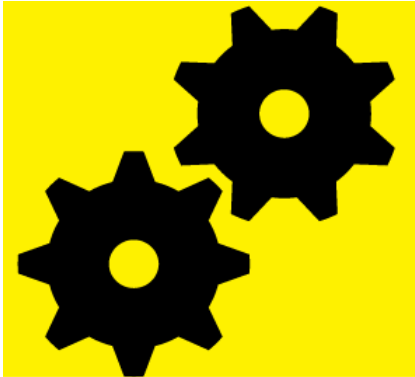


Areas of Activity

Investigate, share, and recognize emerging digital preservation practices with respect to

- Large-scale storage systems
- Open Source Software tools for digital preservation
- Tiered digital preservation guidance for cultural heritage organizations





NDSA Preliminary Preservation Storage Survey Results

Cory Snavelly, University of Michigan
Trevor Owens, Library of Congress

Respondents

Academy of Motion Picture Arts and Sciences, Center for International Earth Science Information Network, Columbia University, California Digital Library, Columbia University Libraries, DuraSpace, The Florida Center for Library Automation, Harvard University, Interuniversity Consortium for Political and Social Research, Internet Archive, Johns Hopkins Sheridan Libraries, KY Dept. for Libraries and Archives, LOCKSS, Maryland State Archives, Michigan State University Library, NC Department of Cultural Resources, National Library of Medicine, New York University, Odum institute, PBS, Penn State University, Portico, Rhizome, Roy Rosenzweig Center for History and New Media, Stanford University, UC San Diego, United States Holocaust Memorial Museum, University of Michigan, University of Minnesota Libraries, University of North Texas, University of Southern California, Utah State Archives, WGBH Educational Foundation, i/oTrak E-Z Photo Scan, Church of Jesus Christ of Latter-day Saints, University of North Carolina at Chapel Hill, Oklahoma Department of Libraries, SCOLA, National Archives and Records Administration

The respondents represent a **diverse cross section of organizations** working with **preservation storage systems.**



These organizations **share a
commitment to digital preservation.**




Some key findings



87% of respondents are
responsible for their content for
an indefinite period of time, more or
less **forever.**




64% of respondents are planning to make **significant changes** in the **technologies** in their preservation storage architecture **in the next three years.**




74% of respondents report a **strong preference to host and control** their own technical **infrastructure for preservation** storage.



50% of respondents are considering, or currently **contracting out storage services** to be managed by another **organization or company.**



69% of respondents are considering or currently participating in a **distributed storage cooperative or system?**
(ex. LOCKSS alliance, MetaArchive, Data-PASS)



51% of respondents are considering or already **using a cloud storage provider** to keep one copy of their content.



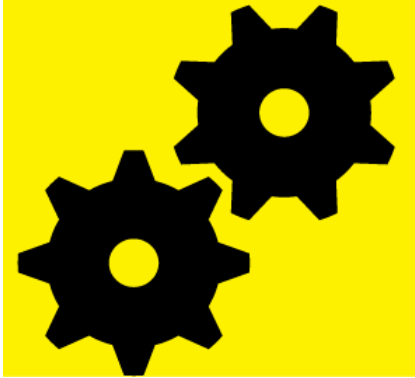
Priorities for Functionality in New Storage Systems Sorted by Sum of Priority Scores

Functionality	Priority Scores (1 low, 7 high)							Sum of Priority Scores
	1	2	3	4	5	6	7	
More built-in functions (like fixity checking)	0	3	0	9	14	16	13	299
More automated inventory, retrieval and management services	0	1	5	7	17	10	15	295
More storage	0	4	4	5	12	12	17	291
Higher performance processing capacity (ex. indexing on content)	0	3	5	6	21	13	6	270
File Format migration	2	3	4	10	17	9	9	261
More security for the content	1	5	6	15	13	8	8	258
Block level access to storage	11	16	5	11	7	4	0	161

What would you like to know?

- We plan to run the survey again in a year or two.
- What additional information do you want to know?
- We have provided each of you with a copy of the questions, please make suggestions on our questionnaire over lunch.





NDSA Preliminary Preservation Storage Survey Results

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