North Carolina’s Digital Landscape: Today and Tomorrow

Findings from the NC Digital Summit Initiative
https://statelibrary.ncdcr.gov/digitalsummit

Michelle Underhill  michelle.underhill@ncdcr.gov
State Library of North Carolina

Lisa Gregory  gregoryl@email.unc.edu
North Carolina Digital Heritage Center

October 20, 2017
Today’s Agenda

NC Digital Summit Initiative:
1. Goals and activities
2. Survey
3. Meeting
4. Takeaways and next steps
Initiative Goals and Activities
What, exactly, are we talking about?

This: [Images of printed documents and photographs]

But, not this: [Images of logos for ProQuest, OverDrive, EBSCO eBooks & Audiobooks, and Emerald database]

Defining “Digital”
Goals of the Initiative

To develop a clear view of the current digital landscape in North Carolina.

To develop a view of the anticipated future digital landscape in North Carolina, based on national and international trends and on institutional and common goals concerning digital materials.
1. Literature search (2016)
2. Statewide survey (Feb-Mar)
3. In-person meeting (April 25)
4. Final report (September)
https://statelibrary.ncdcr.gov/digitalsummit

Download:
- Final report
- Survey results
- This presentation
Manage digital initiatives at a library or archive in North Carolina, or

Are in a management position at a library or archive in North Carolina that does not currently participate in any digital initiatives.
Public libraries, community colleges, colleges and universities, and more were represented in the survey responses.

- Public Library: 32%
- Community College: 16%
- College or University: 19%
- Other: 21%
- Unknown: 23%
INSTITUTIONS INVOLVED IN DIGITAL INITIATIVES

21% didn’t have any digital initiatives yet.
79% did.

Time involved:
- <2 years: 15%
- 2-5 years: 25%
- 6-9 years: 12%
- 10+ years: 22%
- Unsure how long: 5%
<table>
<thead>
<tr>
<th>Length of time involved in digital initiatives</th>
<th>Public libraries</th>
<th>Community colleges</th>
<th>UNC System institutions</th>
<th>Independent colleges &amp; universities</th>
<th>Special libraries or archives</th>
<th>Other</th>
<th>Unidentified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aren’t participating</td>
<td>36%</td>
<td>35%</td>
<td>0%</td>
<td>8%</td>
<td>14%</td>
<td>13%</td>
<td>9%</td>
</tr>
<tr>
<td>&lt;2 years</td>
<td>6%</td>
<td>26%</td>
<td>6%</td>
<td>8%</td>
<td>29%</td>
<td>38%</td>
<td>18%</td>
</tr>
<tr>
<td>2-5 years</td>
<td>21%</td>
<td>26%</td>
<td>13%</td>
<td>42%</td>
<td>14%</td>
<td>25%</td>
<td>30%</td>
</tr>
<tr>
<td>6-9 years</td>
<td>13%</td>
<td>4%</td>
<td>17%</td>
<td>17%</td>
<td>0%</td>
<td>0%</td>
<td>9%</td>
</tr>
<tr>
<td>10+ years</td>
<td>15%</td>
<td>9%</td>
<td>50%</td>
<td>17%</td>
<td>43%</td>
<td>13%</td>
<td>27%</td>
</tr>
<tr>
<td>Unsure or unspecified</td>
<td>9%</td>
<td>0%</td>
<td>0%</td>
<td>8%</td>
<td>0%</td>
<td>13%</td>
<td>6%</td>
</tr>
<tr>
<td>Total</td>
<td>47</td>
<td>23</td>
<td>16</td>
<td>12</td>
<td>7</td>
<td>8</td>
<td>33</td>
</tr>
</tbody>
</table>
Most Common Digital Initiatives

Current digital initiatives:
- 59% Digital preservation
- 54% Data management
- 40% Digital exhibits

Future digital initiatives:
- 49% Digital preservation
- 35% Data management
- 45% Improving system infrastructure (Software, storage, etc.)

Overall:
- 68% Digitization
- 45% Digitization
What kinds of digital content are you managing now, or likely to manage in 5 years?
How does your institution currently fund/support digital initiatives?

<table>
<thead>
<tr>
<th>Category</th>
<th>Private Donors or Endowments</th>
<th>LSTA Grants</th>
<th>Partner Organizations</th>
<th>Federal Grants (not LSTA)</th>
<th>Volunteers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Colleges</td>
<td>0%</td>
<td>9%</td>
<td>13%</td>
<td>4%</td>
<td>0%</td>
</tr>
<tr>
<td>Independent colleges and universities</td>
<td>33%</td>
<td>17%</td>
<td>0%</td>
<td>0%</td>
<td>17%</td>
</tr>
<tr>
<td>Public library</td>
<td>11%</td>
<td>9%</td>
<td>19%</td>
<td>4%</td>
<td>23%</td>
</tr>
<tr>
<td>Special library/archive</td>
<td>14%</td>
<td>14%</td>
<td>43%</td>
<td>14%</td>
<td>29%</td>
</tr>
<tr>
<td>UNC System institutions</td>
<td>31%</td>
<td>56%</td>
<td>31%</td>
<td>38%</td>
<td>38%</td>
</tr>
<tr>
<td>Other*</td>
<td>13%</td>
<td>0%</td>
<td>38%</td>
<td>13%</td>
<td>50%</td>
</tr>
</tbody>
</table>
Select any of the following challenges to pursuing digital initiatives that apply to your institution.

If your institution is not currently involved in digital initiatives, why not? Please select all that apply.

- Lack of staff
- Lack of funding
- Current staff need more training
- Require additional physical space or infrastructure
- Restrictive information technology environment/Information technology security concerns
- Need additional information and training on using alternative funding sources
- Technological barriers
- Require additional physical space or infrastructure
- We don't own any special collections
- Not of interest
- Other priorities have taken precedence
- We don't own any special collections
- Other
- Lack of support from administration, staff, defining audience for digital humanities
- Current staff need more training
- Other
- Work with NCDHC
- Lack of funding
- Lack of staff
- Current staff need more training
- Other priorities have taken precedence
- Technological barriers
- Require additional physical space or infrastructure
- We don't own any special collections
- Not of interest
- Other
- Work with NCDHC
How many FTE (if any) are devoted to digital initiatives at your institution?

Average: 1.76 FTE  
Maximum: 14.5 FTE  
Minimum: “you’re kidding, right?”

Averages by respondent’s institution type
- Public libraries: >1  
- Community colleges: >1  
- UNC System: 3.7  
- Independent academic: ~2  
- Special libraries/archives: 2.8  
- Other: >1
Meeting
<table>
<thead>
<tr>
<th>Institution</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Piedmont Community College</td>
<td>Community College</td>
</tr>
<tr>
<td>Surry Community College</td>
<td>Community College</td>
</tr>
<tr>
<td>NC Digital Heritage Center</td>
<td>Government/Other</td>
</tr>
<tr>
<td>State Archives of North Carolina</td>
<td>Government/Other</td>
</tr>
<tr>
<td>State Library of North Carolina</td>
<td>Government/Other</td>
</tr>
<tr>
<td>Duke University</td>
<td>Independent Academic</td>
</tr>
<tr>
<td>Elon University</td>
<td>Independent Academic</td>
</tr>
<tr>
<td>Wake Forest University</td>
<td>Independent Academic</td>
</tr>
<tr>
<td>Johnson C. Smith University</td>
<td>Independent Academic</td>
</tr>
<tr>
<td>Appalachian State University</td>
<td>UNC System</td>
</tr>
<tr>
<td>East Carolina University</td>
<td>UNC System</td>
</tr>
<tr>
<td>North Carolina State University</td>
<td>UNC System</td>
</tr>
<tr>
<td>North Carolina A&amp;T</td>
<td>UNC System</td>
</tr>
<tr>
<td>UNC Greensboro</td>
<td>UNC System</td>
</tr>
<tr>
<td>UNC-Chapel Hill</td>
<td>UNC System</td>
</tr>
<tr>
<td>UNC-Wilmington</td>
<td>UNC System</td>
</tr>
<tr>
<td>Charlotte Mecklenburg Library</td>
<td>Public Libraries</td>
</tr>
<tr>
<td>Wake County Public Libraries</td>
<td>Public Libraries</td>
</tr>
</tbody>
</table>

Note: Due to inclement weather Iredell County Public Library and New Hanover County Public Library were unable to attend.
Meeting attendees

- UNC System institutions: 39%
- Independent colleges and universities: 22%
- Community colleges: 11%
- Public libraries: 11%
- Government/Other: 17%

MEETING ATTENDEES
Systems and Infrastructure?

**CONTENT**

- In-house system
- CONTENTdm
- Institution-managed servers
- NCDHC
- NC-DOCKS
- Omeka
- DSpace
- Archive-It
- Fedora
- Hard Drive
- State-managed servers
- Microsoft Office
- ArchiveSpace
- Digital Commons
- PastPerfect
- WebCT
- ContentDM
- JSTOR
- LibGuides
- DuraCloud
- County-managed servers
<table>
<thead>
<tr>
<th>PRIORITIES FOR NORTH CAROLINA</th>
<th>PRIORITIES FOR INSTITUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>31% Expand North Carolina Digital Heritage Center services and make more sustainable through more funding.</td>
<td>24% Unlocked content (International Image Interoperability Framework).</td>
</tr>
<tr>
<td>21% Expand efforts to manage and preserve born digital assets.</td>
<td>21% Alternatives to CONTENTdm.</td>
</tr>
<tr>
<td>12% State Infrastructure: Increase and improve technology infrastructure.</td>
<td>14% Including rights statements and using consistent statements.</td>
</tr>
<tr>
<td>7% Roadshow: Develop a plan for, and deliver a digital doers/roadshow.</td>
<td>10% Education of students in digitization/personal digital archiving.</td>
</tr>
<tr>
<td>7% Digital Toolkit: Current resources for digital specialists.</td>
<td>10% Discovery mechanism for records.</td>
</tr>
<tr>
<td>7% Leadership: NC as national leader in digital collections.</td>
<td>7% Digital initiatives strategic plan.</td>
</tr>
<tr>
<td></td>
<td>7% Integrate digital into workflow across institution.</td>
</tr>
</tbody>
</table>

FUTURE PRIORITIES (2-5 YEARS)
FINDINGS: TOP CHALLENGES
“Am doubling as the Archivist while serving as a Public Services Librarian.”

“We have no specific funds devoted to this. Staff volunteer their time as available, but this activity is outside their job description.”
Takeaways
TAKEAWAYS

Digitization will remain a priority over the next five years. Managing born digital assets will also become a stronger priority during that time.
TAKEAWAYS

Digitization will remain a priority over the next five years. Managing born digital assets will also become a stronger priority during that time.

The most common challenge for institutions in meeting their goals for digital initiatives is limited resources (staff, money, training/expertise), whether starting initiatives or expanding.
Digitization will remain a priority over the next five years. Managing born digital assets will also become a stronger priority during that time.

The most common challenge for institutions in meeting their goals for digital initiatives is limited resources (staff, money, training/expertise), whether starting initiatives or expanding.

There are many topics on which institutions across NC might continue to collaborate and work together. These include digitization, software/systems, preservation, legal topics, assessment, and more. There is great interest in collaborating on these topics.
Discussion and
Next Steps
What would you like to know more about?

Data Processing Instructor Bruce Jackson, 1986
Central Carolina Community College
What next?
NC Digital Initiatives discussion listserv

Let’s launch the conversation!

- Send an email to ncdigitalinfo-request@lists.ncmail.net and type "subscribe" in the body of the email;
- Or, subscribe at https://lists.ncmail.net/mailman/listinfo/ncdigitalinfo/
- Confirm the subscription by following the steps emailed to you. Check “Junk” folder for confirmation email.
Thank you!

Michelle Underhill  
*michelle.underhill@ncdcr.gov*  
*State Library of North Carolina*

Lisa Gregory  
*gregoryl@email.unc.edu*  
*North Carolina Digital Heritage Center*