Digital Images on Campus: Technology, Pedagogy and Infrastructure

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Eric Jansson, NITLE
Rob Lancefield, Wesleyan University

www.academiccommons.org/imageresport

CNI Task Force Meeting Fall 2006
Outline

1. Introduction - Rob Lancefield
2. Context
3. Sources
4. Technology
5. Pedagogy
6. Infrastructure
7. NITLE’s Interest - Eric Jansson
8. Looking Ahead - Rob Lancefield
I. Digital Images on Campus

Introduction
Key Issues

• Personal Collections
• “Invisible” Resources
• Critical Literacies
• Necessary Infrastructure
2. Context

- Visual Image User Study, 2003 *Penn State*

- Out of the Database, Into the Classroom, 2005 *RLG*

- Use and Users of Digital Resources, 2006 *Berkeley - Center for Studies in Higher Education*

- Visual Resources Environment at Liberal Arts Colleges, 2006 *NITLE*
Participation

- **Overall**: 540 participants (415 faculty, 125 staff)

- **Survey**: 404 faculty at 33 institutions
  www.academiccommons.org/group/image-project/survey-instrument

- **Interviews**: 326 interviews (296 individual, 30 group)
Using Digital Images in Teaching and Learning
Center for Educational Technology - Wesleyan University

This project and survey are principally designed to map and demonstrate current practice among faculty and students in using digital images in and out of the classroom. We are interested in use across all disciplines represented in the group of participating Liberal Arts colleges and university extensions, including potential and imagined uses as well as current practice. The project will necessarily touch upon technology, new pedagogies and library services as well as the support given by instructional technologists and librarians and those who seek out digital images for their own use. The evolving use of digital images is affecting how we learn. Questions are thus designed to lead to stories, anecdotes, voices, successes and disappointments about changing practices and perceived needs for the future.

At the end of the survey you will have the option of identifying yourself and stating your privacy preferences; you may view the privacy statement and change these at any time.

Institution: (required)

Select your Institution

Allegheny
Amherst
Bard
Barnard
Bates
Bennington
Bowdoin
Bryn Mawr
Colby
Colgate
Connecticut
Dickinson
Franklin and Marshall
Gettysburg
Hamilton
Haverford
Holy Cross
Lafayette
Middlebury
Mount Holyoke
Princeton
Sarah Lawrence
Skidmore
Smith
St. Lawrence
Swarthmore
Trinity
Ursinus
Vassar
Wellesley
Wesleyan
Wheaton
Williams
Yale

Digital Images in Teaching and Learning: Page 2 of
3. Image Use & Sources

Digital Resources Used in All Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Images</td>
<td>83%</td>
</tr>
<tr>
<td>Text</td>
<td>67%</td>
</tr>
<tr>
<td>Other Web</td>
<td>68%</td>
</tr>
<tr>
<td>Audio/Video</td>
<td>69%</td>
</tr>
</tbody>
</table>
Figure 2.2: Faculty survey responses by institution-type: What digital resources do you use?

% of respondents who use each resource (at least sometimes):

- Images or visual materials
  - University of California: 72%
  - Liberal arts colleges: 71%
  - Community colleges: 80%

- News or other media sources and archives
  - University of California: 71%
  - Liberal arts colleges: 81%
  - Community colleges: 80%

- "Portals" that provide links or URLs relevant to particular disciplinary topics
  - University of California: 61%
  - Liberal arts colleges: 68%
  - Community colleges: 66%

- Online reference resources
  - University of California: 67%
  - Liberal arts colleges: 72%
  - Community colleges: 72%

- Digital film or video
  - University of California: 66%
  - Liberal arts colleges: 66%
  - Community colleges: 72%

- Maps
  - University of California: 53%
  - Liberal arts colleges: 51%
  - Community colleges: 51%

- Online or digitized documents
  - University of California: 52%
  - Liberal arts colleges: 60%
  - Community colleges: 43%

- Audio materials
  - University of California: 41%
  - Liberal arts colleges: 46%
  - Community colleges: 54%

http://digitalresourcestudy.berkeley.edu
4-23
Digital Images Used in All Courses By Discipline

- Life Sciences: 92%
- Area Studies: 92%
- Physical Sciences: 88%
- Earth Sciences: 87%
- Languages: 85%
- Art History: 85%
- History: 84%
- Anthropology: 83%
- Performing Arts: 81%
- Archaeology: 79%
- Mathematics: 73%
- Classics: 64%
- Literature: 57%
Sources of Digital Images Used in Teaching

- **Web**: 37%
- **Own Collection**: 33%
- **Other Personal**: 29%
- **Online Databases**: 42%
- **Licensed**: 52%
- **Department**: 62%
- **Library**: 65%

<table>
<thead>
<tr>
<th>Source</th>
<th>Always</th>
<th>Frequently</th>
<th>Sometimes</th>
<th>Never</th>
<th>No Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web</td>
<td>5%</td>
<td>44%</td>
<td>15%</td>
<td>7%</td>
<td>6%</td>
</tr>
<tr>
<td>Own Collection</td>
<td>6%</td>
<td>6%</td>
<td>41%</td>
<td>6%</td>
<td>43%</td>
</tr>
<tr>
<td>Other Personal</td>
<td>9%</td>
<td>29%</td>
<td>43%</td>
<td>19%</td>
<td>19%</td>
</tr>
<tr>
<td>Online Databases</td>
<td>2%</td>
<td>19%</td>
<td>42%</td>
<td>2%</td>
<td>19%</td>
</tr>
<tr>
<td>Licensed</td>
<td>2%</td>
<td>12%</td>
<td>52%</td>
<td>9%</td>
<td>2%</td>
</tr>
<tr>
<td>Department</td>
<td>3%</td>
<td>6%</td>
<td>62%</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>Library</td>
<td>2%</td>
<td>6%</td>
<td>65%</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>Other Sources</td>
<td>2%</td>
<td>6%</td>
<td>38%</td>
<td>6%</td>
<td>38%</td>
</tr>
</tbody>
</table>
Sources: Issues

- Personal Collections
  - Management Tools (cataloging; integrating)
  - Integration with institutional collections
  - Sharing (individually; LionShare)
- “Invisible” collections (online; on campus)
- Campus aggregation of collections
- Copyright
“Individuals need a place or a space in which to assemble and manipulate information resources for their own purposes, with flexible tools that can adapt to their practices, skills, habits and artistry.”

Christine Borgman

“Personal Digital Libraries: Creating Individual Spaces For Innovation,”

NSF Post-Digital Libraries Futures Workshop

June 15-17, 2003

4. Technology, Tools & Support

Presentation Software Used

- PowerPoint: 57%
- ARTstor: 7%
- ARTstor + PowerPoint: 5%
- ARTstor/CONTENTdm/Luna/MDID: 5%
- Web Browsers: 4%
- Keynote: 3%
- Other: 6%
- None: 13%
5. Pedagogy: Has Teaching Changed?
Impact on Teaching

1. **Access** (24/7) + image review

2. **Choice** (the exact image or point-of-view + many diff points-of-view)

3. **Responsiveness** in class (look at this!)

4. **Creativity** + flexibility in classroom

5. **Text-Image**: Different relationships

6. **Discussion/Interactivity**

7. **Images E-mailed**

8. **Student Images**

9. **Image Reading Demands/Skills**
Pedagogy: Issues

• **Faculty:** Pedagogical Support - Peers and IT

• **Students:** Critical (21st Century) Literacies
  
  • **Image Literacy** - ability to look, describe, read and analyzing images and maps

  • **Digital Literacy** - ability to handle, manipulate, store and retrieve image files

  • **Image Composition** - ability to create and communicate through images
Pedagogy & I.T.

“There’s just too much about hardware sometimes... I could use more help with pedagogical solutions.”

“We find we don’t get asked often enough for our own liking, especially given the skills and professional background that we bring to our work.”

“We’re living, breathing intellectuals; we can be helpful, and we’re trying to find our way in defining our role in thinking and learning on campus.”
6. Infrastructure

“Decision-makers should recognize how much of a sea change this whole issue is and how much it means in absolutely affecting every level of the institution.”
7. NITLE’s Perspective

Eric Jansson
Program Officer
National Institute
for Technology and Liberal Education
NITLE
8. Digital Images on Campus: Looking Ahead

Rob Lancefield
Manager of Museum Information Services
and Registrar of Collections
Davison Art Center
Wesleyan University
Using Digital Images in Teaching and Learning: Perspectives from Liberal Arts Institutions

Report: www.academiccommons.org/imagereport

Wiki: wiki.academiccommons.org/wiki/Image_Project

Interview series: www.academiccommons.org/commons/announcement/digital-interview-series

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