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1-1-2010

Digital Commons Annual Report: Year Two 2009-2010

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Recommended Citation
Leary, Heather, "Digital Commons Annual Report: Year Two 2009-2010" (2010). *Digital Commons Reports*. Paper 2.
http://digitalcommons.usu.edu/dcreports/2

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Institutional Repository Second Year Report
November 1, 2009 - October 31, 2010

Prepared by Heather Leary

Overview

The Digital Commons repository at Utah State University has been in operation since October 27, 2008. This report is an overview of year two of the repository comprising November 1, 2009 through October 31, 2010. The repository provides open access to scholarly works, research, reports, publications, images, videos, and courses produced by Utah State University faculty, staff, students, and others. It also includes online open access journals, conference proceedings, and personal webpages called Selected Works pages. Coordinated by the Merrill-Cazier Library, USU's digital repository joins other universities worldwide in the ongoing development of new knowledge. USU's Digital Commons is hosted by The Berkeley Electronic Press (bepress).

Participating Departments and Groups

At the end of year two for the repository, faculty publications from all of the colleges at the University (Agriculture; Business; Arts; Education and Human Services; Engineering; Humanities and Social Science; Library; Natural Resource; Science) and 25 departments (Animal, Dairy, Veterinary Science; Biological Engineering; Chemistry and Biochemistry; Civil and Environmental Engineering; Communicative Disorders and Deaf Education; Economics; Electrical and Computer Engineering; Engineering & Technology Education; English; Environment and Society; Geology; History; Instructional Technology & Learning Sciences; Management; Management Information Systems; Nutrition, Dietetics, and Food Sciences; Physics; Psychology; Sociology, Social Work, and Anthropology; Special Education; Teacher Education and Leadership; Watershed Science; Wildland Resources) were available or in the queue to be added to the repository. Three journals were added: Journal of Western Archives, Journal of Indigenous Research, and the North American Serials Interest Group. Undergraduate research posters became a new student component of the repository in the spring of 2010 and ten discipline/subject areas were added (Green Canyon Environmental Research Area, Logan Utah; T.W. "Doc" Daniel Experimental Forest; Canyonlands Research Center; Leonard J. Arrington Mormon History Lectures; Intermountain Environmental Impact Statements; The Bark Beetles, Fuels, and Fire Bibliography; Unifying Negotiation Framework;

Utah State University Press; Intermountain Herbarium of Utah State University; National Center for Engineering and Technology Education).

Table 1. Names of the departments and colleges using the Digital Commons service. In parentheses are the the number of faculty members represented in the respective departments and the number of departments represented in each college.

Departments:	**Colleges:**
1. *Animal, Dairy, Veterinary Science (23)* 2. *Biological Engineering (1)* 3. *Chemistry & Biochemistry (1)* 4. *Civil & Environmental Engineering (2)* 5. *Communicative Disorders & Deaf Education (1)* 6. *Economics (1)* 7. *Electrical and Computer Engineering (1)* 8. *Engineering & Technology Education (2)* 9. *English (2)* 10. *Environment & Society (5)* 11. *Geology (1)* 12. *History (3)* 13. *Instructional Technology & Learning Sciences (8)* 14. *Library (11)* 15. *Management (1)* 16. *Management Information Systems (1)* 17. *Nutrition, Dietetics, and Food Sciences (2)* 18. *Physics (3)* 19. *Psychology (8)* 20. *Sociology, Social Work, and Anthropology (3)* 21. *Special Education and Rehabilitation (22)* 22. *Teacher Education and Leadership (7)* 23. *Theatre (1)* 24. *Watershed Science (3)* 25. *Wildland Resources (4)*	1. *Agriculture (2)* 2. *Business (3)* 3. *Arts (1)* 4. *Education & Human Services (5)* 5. *Engineering (4)* 6. *Humanities and Social Science (3)* 7. *Library (5)* 8. *Natural Resources (3)* **9.** *Science (3)*

Documents in the Digital Commons

Below is a list of document types included in the digital commons:

- Articles
- Books
- Book chapters
- Research reports
- Undergraduate research posters
- Government documents

- OpenCourseWare courses
- Images
- Presentations
- Videos
- Online Journals
- Subject specific bibliographies
- Graduate theses & dissertations
- Undergraduate honors theses
- K12 teacher PD curriculum
- Conference proceedings

Exposure

The site has been registered with the following areas:

- Networked Digital Library of Theses and Dissertations (NDLTD)
  - http://www.ndltd.org
- Registry of Open Access Repositories (ROAR)
  - http://roar.eprints.org
- The Directory of Open Access Repositories (OpendOAR)
  - http://www.opendoar.org
- Open Archives Initiative
  - http://openarchives.org
- OCLC-WorldCat
  - http://oaister.org
- The University of Illinois OAI-PMH Data Provider Registry
  - http://gita.grainger.uiuc.edu/registry/details.asp?id=2777

Through local, state, and national, and international conference attendance, more people know about USU's Digital Commons.

Data and Usage

As of October 31, 2010:

- Total items – 13,693
- Total items added during year two – 9,508 (3 times more than the previous year)
- Total downloads to date – 111,396
- Total downloads for year two – 87,940 (3 times more than the previous year)
- Total number of faculty using the service – 117
- Total number of colleges represented – 9
- Total number of departments represented – 24
- Total number of journals – 6
- Total number of conferences – 3
- Total number of discipline/subject areas – 19
- Total number of areas representing student works - 3
- Total number of Selected Works pages – 140

- Total number of Selected Works pages added during year two – 112 (4 times more than the previous year
- Total number of liaisons/Library staff directly working on copyright clearance – 9
- Total number of staff members devoted to Digital Commons – 1
- Total number of student workers devoted to Digital Commons – 1
- Total number of countries viewing the site – 154 (see figure 1 below)

Outside the United States, the top ten countries with the highest visits/downloads are Canada, United Kingdom, China, India, Germany, Iran, France, Spain, and Thailand. The top five entry points come from Google, directly to the site, Merrill-Cazier Library referral, The Berkeley Electronic Press, and Scientific Commons. According to Google, 45.5% of the traffic to the site comes from search engines, with 32.5% from referring sites, and 22% direct traffic.

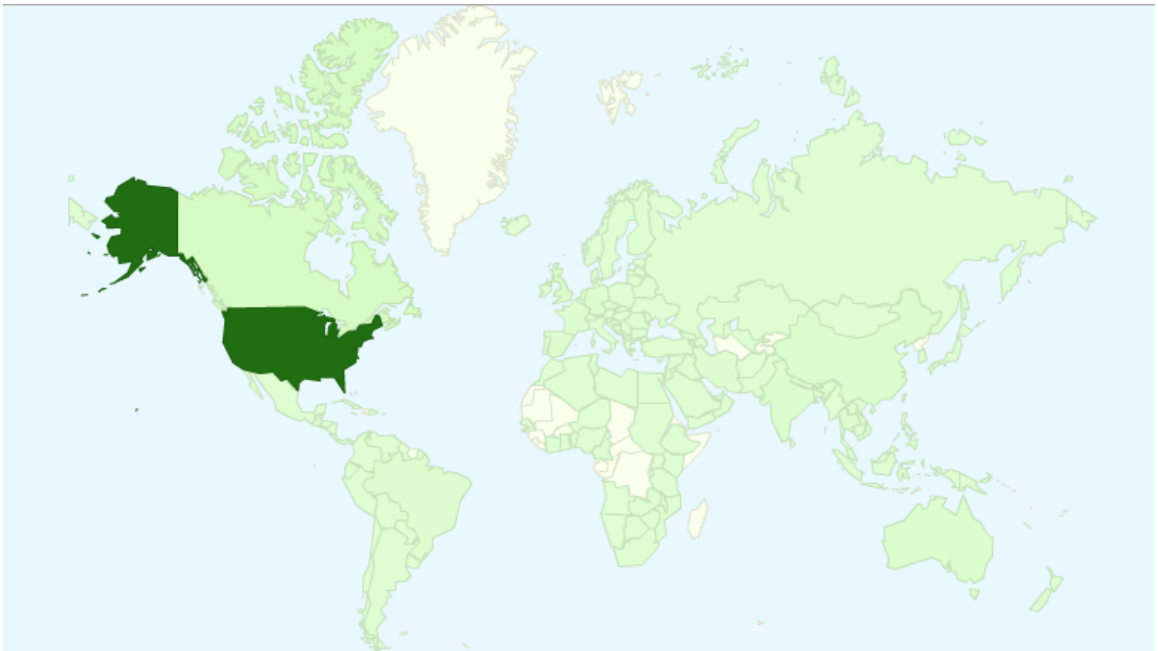

Figure 1. World map showing countries (in dark and light green) that have visits and/or full-text downloads.

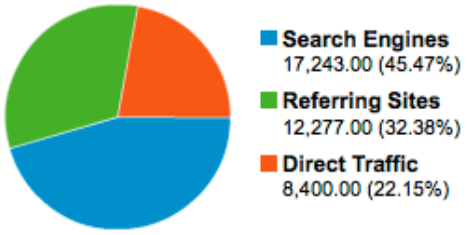

Figure 2. Entry points for patrons to the Digital Commons.

The top referring sites are:

1. Merrill-Cazier Library (library.usu.edu)
2. Utah State University (usu.edu)
3. Bepress (digitalcommons.bepress.com)
4. Scientific Commons (en.scientificcommons.org)
5. Facebook (facebook.com)
6. USU College of Natural Resources (cnr.usu.edu)

The site entertains two types of visitors, new (70%) and returning (30%).

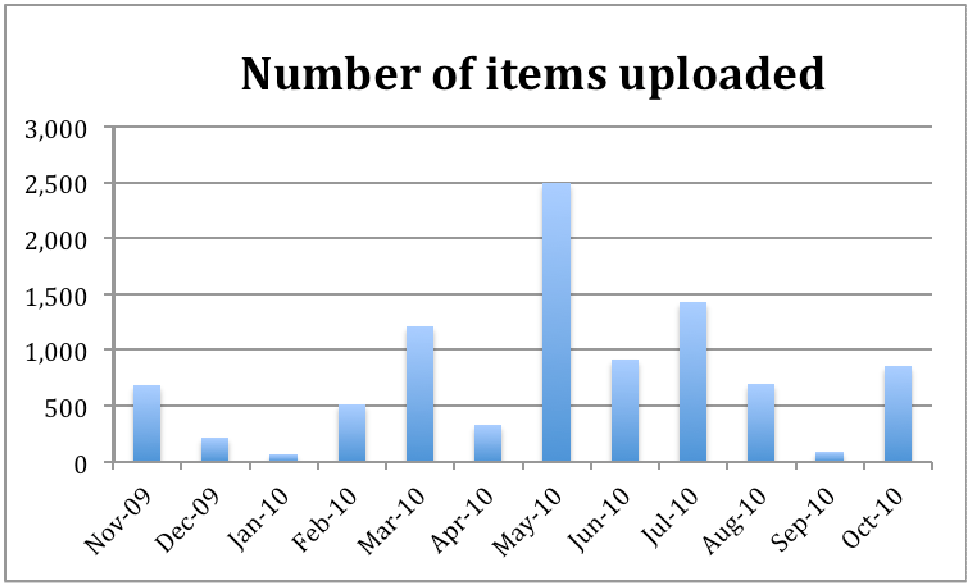

Figure 3. Monthly number of items uploaded.

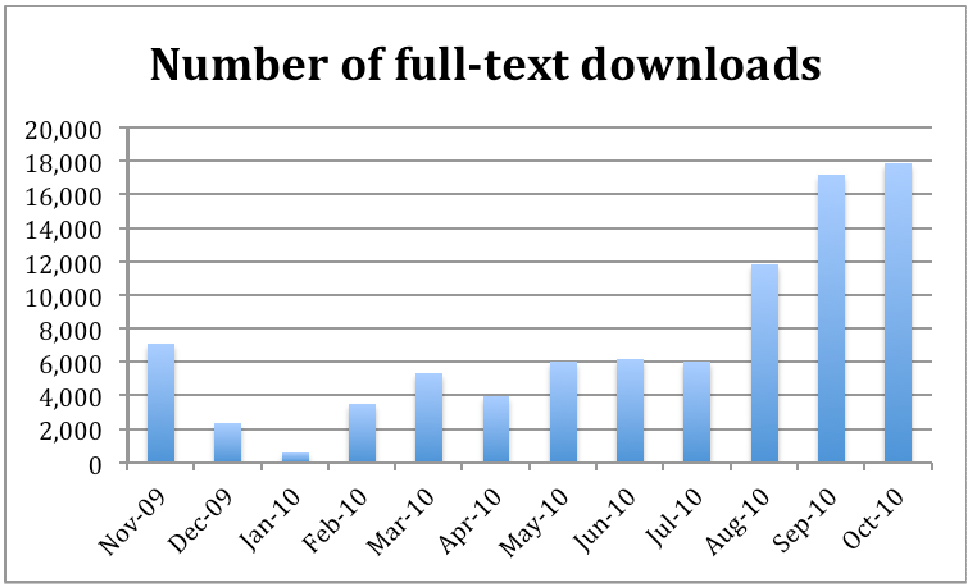

Figure 4. Monthly number of full-text downloads.

The repository has seen success in the number of downloads and visitors during its second year. Table 2 shows the top 10 items that were downloaded during year two and the number of times they were downloaded. Table 3 shows the top 10 items that had metadata viewed (this is called cover page views).

Table 2. Top 10 full-text downloads

Item Title	No. of downloads
1. Information Literacy: Finding and Using Information, January 2009	2781
2. Assessing the Quality of Doctoral Dissertation Literature Reviews in Instructional Technology	1748
3. Henry VIII: Supremacy, Religion, And The Anabaptists	1039
4. Medieval and Renaissance book production	688
5. Bushnell General Military Hospital And The Community of Brigham City, Utah During World War II	657
6. The Impact of Knowledge, Attitude, and Peer Influence on Adolescent Energy Drink Consumption	603
7. Effect of Surface Stability on Core Muscle Activity During Dynamic Resistance Exercises	526
8. Hydrogen Production By Anaerobic Fermentation Using Agricultural and Food Processing Wastes Utilizing a Two-Stage Digestion System	470
9. Parshall Flume Staff Gauge Location and Entrance Wingwall Discharge Calibration Corrections	459

10. Boldfaced Terms and Their Effects on Student Learning	453

Table 3. Top 10 cover pages viewed.

Item Title	No. of page views
1. Working through Environmental Conflict: The Collaborative Learning Approach	492
2. The Arizona Summit: Tough Times in a Tough Land	237
3. Sustaining the Allideghi Grassland of Ethiopia: Influence of Pastoralism and Vegetation Change	197
4. Hydrologic Information Systems: Advancing Cyberinfrastructure for Environmental Observatories	190
5. Tilting at Windmills: Reflections on the Establishment of the Journal of Western Archives	189
6. Marriage and Divorce in Islamic and Mormon Polygamy: A Legal Comparison	173
7. Cedar Middle School's Response to Intervention Journey: A Systematic, Multi-Tier, Problem-Solving Approach to Program Implementation	173
8. Biodiversity of inland saltscapes of the Iberian Peninsula	148
9. The Prophet-Editor: Joseph Smith's Revisions to Two Revelations	146
10. Leveraging Institutional Repositories to Support Your Institution's Strategic Mission (March)	144

Marketing

To market and advertise the existence and benefits of using DigitalCommons@USU, the Library continued its outreach to the USU campus community through the subject liaisons, Open Access Week, and two presentations (one on fair use and the other on securing the scholarly record) given to many departments at the beginning of the school year (fall 2010). Reports for different contributing departments were created to share with the college deans. This generated many inquiries into the service.

Subject Librarians/Liaisons

During spring semester 2010 we began a pilot project using subject librarians as helpers for clearing copyright. This project began with one subject librarian, for six months, to test how she could be useful for Digital Commons as well as how the work she would be doing was beneficial to her as a subject liaison. After a

successful pilot with her one more subject librarian was brought on board with seven more liaisons and staff. This group meets once a month to answer questions, talk about workflow, and brainstorm new ideas. A poster presentation, invited conference presentation, and journal article are forthcoming about this work. The liaisons also introduce the repository service and the Digital Commons Librarian to their respective departments.

Challenges

The challenges during year two have been in keeping up with workflow changes and the volume of interest in the service. With limited staff this was a problem. That is one reason the pilot work with the subject liaisons was explored. Another challenge has been keeping the momentum and outreach for the repository going. Again, the liaisons have helped tremendously in this aspect.

Looking Ahead

Activities for the second year:

- Digital Commons Policy
- New marketing to the USU community
- Keeping up with new works by participating faculty
- More journals and conferences
- Digital Measures integration
- More discipline specific repositories
- Data management