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DigitalCommons@USU

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DigitalCommons@USU Fiscal Year Report 2014-2015

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DigitalCommons@USU

**Fiscal
Year
2014-2015**

DigitalCommons@USU
Report for Fiscal Year 2014-2015

Prepared by: Danielle Barandiaran, IR Coordinator
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Executive Summary

DigitalCommons@USU is the institutional repository (IR) of Utah State University (USU) and as such strives to capture and archive the creative and scholarly output of USU's faculty, staff, and students. This content includes, but is not limited to, articles, conference proceedings, historical records, journals, lectures, presentations, and student work. DC is an open access repository providing unrestricted, global access to ten of thousands of resources.

The function of DC falls squarely within the overall mission of the Merrill-Cazier Library—connecting people with information, supporting inquiry, discovery, and engagement by providing access...facilitating the use of information in teaching, learning, and research.

Since its launch in 2008, DC has grown to include more than 47,000 full text documents in addition to over 68,000 metadata records. The full text items in DC have collectively been downloaded more than 4 million times with more than a million of those coming within the past year.

DC is administered by USU Libraries and is managed by the Digital Initiatives Department. Current staff includes the Head of Digital Initiatives, Becky Thoms; the IR Coordinator, Danielle Barandiaran; and four part-time student assistants. The position of Scholarly Communication Librarian, which provides direct oversight of and planning for DC, is temporarily being held by Becky Thoms in addition to her positions as Copyright Librarian and Head of Digital Initiatives.

Treventus Update/intro

The ScanRobot from Treventus was installed at the Merrill-Cazier library in April 2014. At the time of installation it was the 6th in the United States to be installed. With its 60⁰ wooden book cradle that is adjustable up to 100⁰ it is capable of gently accommodating most books and can scan up to 2,500 pages/hour automatically or up to 1,000 pages/hour semi-automatically. While initially intended to work specifically on the retrospective scanning of theses and dissertations, the Treventus is increasingly being utilized for a wider array of projects—including scan on demand for Resource Sharing and Document Delivery and the Disability Resource Center as well as collaborative efforts with USU's Digital Library/Special Collections and Archives to digitize the earliest USU catalogs and student newspapers.

Additions to the repository this year

New equipment and ever-changing needs of the Library and campus require continual review of procedures and processes. In the past year the following **workflows were developed and/or updated:**

- Copyright Clearance
- Current ETD Workflow
- Treventus ScanGate Job setup
- Creating DOIs in EZID
- Uploading to Issuu and DigitalCommons page-flip view
- Uploading a document to Digital Commons
- RSS feed Workflow
- How to Mirror items in Digital Commons

New Series

- Student Exhibits for Susan Cogan's class OMEKA project
- Theatre Arts Faculty Publications
- Music Faculty Publications
- Plants, Soils and Climate Student Research
- Instructional Technology and Learning Sciences Student Research
- Family, Consumer and Human Development Student Research
- Research on Capitol Hill
- Landscape Architecture and Environmental Planning 75th anniversary
- Get Away Special Interviews (with streaming on Sound Cloud)
- Camp Williams
- USU Last Lectures

New Research Centers

- Western Dairy Center (this has reports, Journal of Food Structure, International Conference on Cheese and other Documents)

New Events

- International Junior Researcher and Engineer Workshop (IJREWS)
- Journal of Food Structure
- Research Week

New Journals

- Journal of STEM Education Research and Practice

Datasets

New Selected Works Sites

28

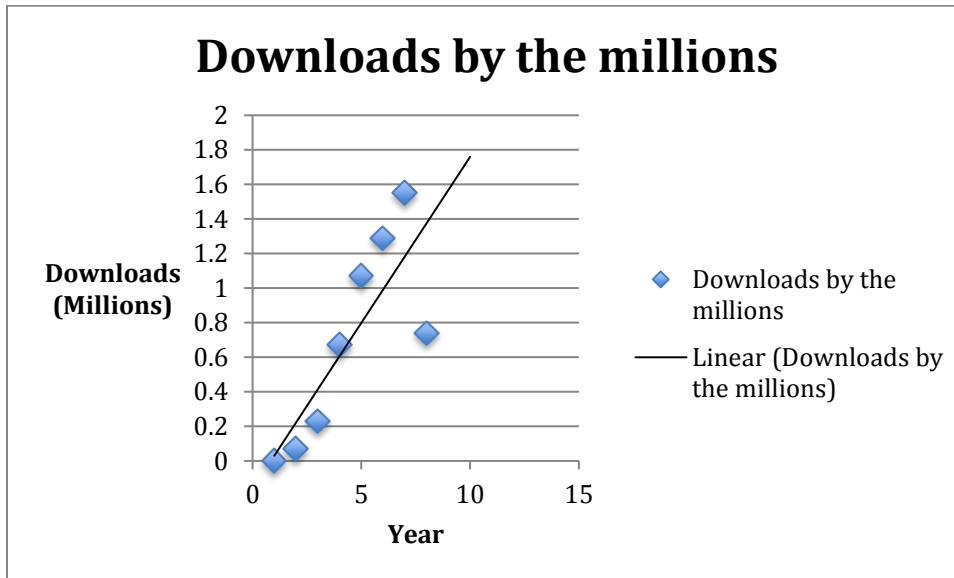
New content added

8000+ items!

These have already been downloaded a total of 161,500 times

Average number of downloads per item: **10 times!**

Downloads from 2008 and forward:



Since the beginning of the repository in late 2008 we have seen an increase of total downloads from 3359 the first year to a total of over 4.5 million as of June 2015.

Each item was downloaded an average of 7.6 times with the top downloaded item being 2,508 times (a thesis published early 2015 titled: The Assessment of Articulation and Phonological Skills in Preschool Cleft Palate Children)

Overall Numbers:

Ten most-downloaded items of all time:

Title	Downloads
Discharge Coefficient Performance of Venturi, Standard Concentric Orifice Plate, V-Cone, and Wedge Flow Meters at Small Reynolds Numbers	44742
Folklore and the Internet: Vernacular Expression in a Digital World	42507

Acute Effects of AdvoCare Spark® Energy Drink on Repeated Sprint Performance and Anaerobic Power in NCAA Division I Football Players	32497
Improving Patient Satisfaction in a Hospital Foodservice System Using Low-Cost Interventions: Determining Whether a Room Service System is the Next Step	27279
Journal of Mormon History Vol. 34, No. 4, 2008	23664
Haunting Experiences: Ghosts in Contemporary Folklore	17328
Fairy Tale Films	13926
Japanese Demon Lore	13172
Best Practices in Counseling Native Americans	13008
Static Versus Dynamic Stretching	12741

How do we compare to other repositories (compiled by Ann Connolly of Bepress):

2014

Growth: 3330 80th-89th percentile
Breadth: 84 90th-100th percentile
Demand: 66 50th-79th percentile

Unusual amount of demand for the growth, relatively speaking as in most cases no repository is in the 80th percentile and above in all three categories.

Growth:

Calculates the number of full-text objects added during the calendar year in order to measure how much growth the IR is experiencing.

Publications with the most full-text objects added: ETDs (1917); All Current USU Extension Publications (276); US/IBP Desert Biome Digital Collection Memorandum (186); Conference on Characterization and Radiometric Calibration for Remote Sensing (CALCON) (166); CEE Faculty Publications (163); All Graduate Plan B and Other Reports (113); AIAA/USU Conference on Small Satellites (103).

Breadth:

Calculates the number of series/publications that have had 1 or more objects added to them over the course of the calendar year in order to measure the reach and engagement of the IR.

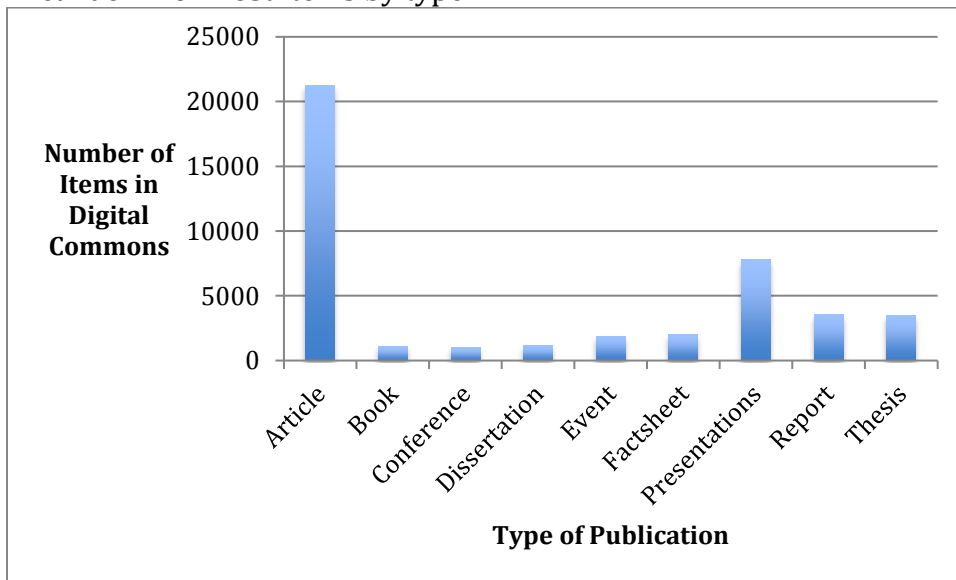
Breadth in the repository in 2014 is fantastic; content added spans a variety of types, including faculty work, student work, conferences, content from research centers, journals, and archival content.

Demand:

Calculates the average number of downloads per object for the calendar year in order to measure the demand and interest in the content.

The most downloaded objects span a wide variety of collections (clearly reflecting the breadth of the content) – USU Press publications, ETDs, articles from Mormon History, items from conferences, various faculty publications, etc. Some collections that are pretty heavily downloaded overall are the Bark Beetles, Fuel, and Fire Bibliography; ETDs; Graduate Plan B and Other Reports; USU Faculty Honor Lectures; Student Honors Theses; Natural Resources and Environmental Issues; Small Satellite Conference; Swenson Poetry Award Winners; USU Press Publications; Utah Water Research Laboratory; and Western Archives

Breakdown of most items by type



Challenges

Use of third party services such ResearchGate and Academia.edu by faculty is on the rise. This needs to be part of the ongoing discussion about the future of DC and its role within in the Library and across campus.

The current staffing situation resulted in a year for DC that was very much reactive rather than proactive. While an understandable situation for this past year, it is not a preferred long-term strategy/approach. There are many opportunities to be realized, but success will in part be reliant on the filling of the Scholarly Communication Librarian position to devote the time and attention necessary to these many new, exciting possibilities.

Looking Ahead

Closer relationship with RGS—specifically in the areas of data and student research

Pursue increased connections with CIDI

Work more closely with subject librarians to realize opportunities within their departments

Changes in the ETD process (within SGS) may have implications (and possible opportunities) for the Library