

Utah State University

DigitalCommons@USU

Digital Commons Reports

Libraries

Summer 2017

DigitalCommons@USU Fiscal Year Report 2016-2017

Dylan Burns

Utah State University

Follow this and additional works at: <https://digitalcommons.usu.edu/dcreports>



Part of the [Scholarly Communication Commons](#), and the [Scholarly Publishing Commons](#)

Recommended Citation

Burns, Dylan, "DigitalCommons@USU Fiscal Year Report 2016-2017" (2017). *Digital Commons Reports*. Paper 5.

<https://digitalcommons.usu.edu/dcreports/5>

This Report is brought to you for free and open access by the Libraries at DigitalCommons@USU. It has been accepted for inclusion in Digital Commons Reports by an authorized administrator of DigitalCommons@USU. For more information, please contact digitalcommons@usu.edu.





Fiscal
Year
2016-2017

DigitalCommons@USU
Report for Fiscal Year 2016-2017

Prepared by: Dylan Burns, Digital Scholarship Librarian

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 tens 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 59,774 individual items. The full text items in DC have collectively been downloaded more than 7 million times with more than two million of those coming within the fiscal year 2016-2017.

DC is administered by USU Libraries and is managed by the Digital Initiatives Department. Current staff includes the Head of Digital Initiatives, Becky Thoms; Digital Scholarship Librarian, Dylan Burns; Digital Assistant Alison Gardner; and four part-time student assistants.

Initiatives

Digital Preservation

One of the most pressing concerns for digital repositories is the future of preservation. We have been working to ensure that the materials we provide access to will be accessible for decades to come. Part of this has been an effort to record and track the checksums for Electronic Theses and Dissertations (ETDs). In the last year, the University no longer requires physical copies of theses and dissertations to be on file at the library. This means that the born-digital editions in DigitalCommons@USU are the copies of record, and therefore it is imperative that we ensure accessibility and fixity indefinitely. In addition to simple checksum records, we are fully backed up into Amazon S3 through BePress, which will ensure that our materials are geographically dispersed and their integrity is tracked and maintained. There is still more to be done, but we have made a handful of positive steps toward solutions.

Student Research

Student Research has always been a hallmark of Utah State University, and DigitalCommons@USU has always held an impressive amount of student work. This fiscal year Digital Initiatives staff focused on improving our holdings and our

connections with the student researchers on campus. Part of this was a collaboration with USU's Research and Graduate Studies office which oversees a number of student centered research opportunities throughout the year. As a result of this collaboration, we were able to promote the platform of Digital Commons as a resource for student researchers and RGS. These integrations included:

- **Research on Capitol Hill**- a yearly student research summit held at the capitol in Salt Lake City between the University of Utah and Utah State University. Student submitted directly to DigitalCommons@USU and were reviewed via the platform (a first in our history for a non-conference and non-journal collection) While the event did not take place as planned due to inclement weather, the materials were made available via DigitalCommons@USU coinciding with Research Week in the Spring. As a result of the collaboration, DigitalCommons@USU received 100% of the RoCH posters when in other years it was difficult to preserve all of the posters.
- **Student Research Symposium**- Research Week activities have always held a place in DigitalCommons@USU but coverage has been historically spotty because of the reliance on students to submit their work proactively after the Symposium. This year, through collaboration with RGS, we were able to have students submit their abstracts and work directly to DigitalCommons@USU and to use DigitalCommons@USU as the program for the symposium. While the coverage of full-text items was not universal, we still were able to capture much more full-text items than previously.
- **The Future**- As a result of our success with these two pilot programs we will be working with RGS in the future to streamline and hopefully increase the percentage of full-text student work in DigitalCommons@USU in the next few years.

Rebranding

The last major aesthetic redesign of DigitalCommons@USU occurred in 2013 and we embarked on a large scale branding initiative throughout the site. This started with updated wordmarks and colors, and moved into updated images for each of the Colleges and each of the larger communities. We sought a sleek and clean look fitting in with most University rebranding efforts and we believe that it puts a better face on our outward facing product. Examples are below.



The DigitalCommons@USU Shield



College of Science Banner



Departments banner

Retro-ETDs

Since beginning in 2008, DigitalCommons@USU has made strong efforts to provide access to older theses and dissertations. This culminated in a retro project covering the first few decades of graduate education at Utah State University. Since then, the

retro projects have focused on patron driven requests or requests by departments. In the last year we have completed four departmental requested retro projects: Nutrition, Dietetics and Food Sciences, Geology, Psychology, and Natural Resources. Our department is able to scan using the Scan Robot ~50 a week for a little less than 1000 a year. With no departmental requests, currently in our queue we will return to chronological processing while reaching out to departments for interest on full-scale digitization projects.

Historical Projects

DigitalCommons@USU is well positioned as a repository for the scholarly output of the University, but, increasingly, there have been patron driven requests for historical materials in Special Collections and Archives related to the University. To fill this need and added to frustrations over the Digital Collections in ContentDM, we decided to make historical and administrative materials available through DigitalCommons@USU.

- **USU Commencement Programs-** Starting in the Spring 2017 an intern Mattie Ward worked in our department and digitized Utah Agricultural College and Utah State University commencement programs. The Utah Agricultural College programs were ultimately presented in a digital exhibit featured on the library's homepage. In FY 2016-2017 we digitized from 1890s through 1980s and will finish the project in the Fall. These materials are not only accessible but text searchable through optical character recognition, making them incredibly valuable to researchers
- **Alumni and College Magazines-** Each college and many departments on campus produce magazines that are sent to alumni as newsletters, with many of these newsletters and magazines have long histories. We started with the contemporary magazines (Utah State Magazine, Liberalis, and Cultivate) and then sought to digitize older magazines (Older iterations of Utah State Magazine from the 1900s, InSites from the 1970s and 80s (LAEP), and Utah Juniper 1930s-1960s (Forestry department)).

Additions to the repository this year

New Series

- USU and UAC Commencement Programs
- Alumni and University Magazines
 - Utah Juniper (Forestry)
 - Cultivate (Agriculture and Applied Sciences)
 - Utah State Magazine
 - InSites (LAEP)
 - Liberalis (College of Humanities and Social Sciences)
- ECSTATIC Repository

- HIST 3770
- HONR 3010, 3020, 3030
- Beat Exhibit
- Laboratory Experiments in Biology (LEMB)
- Music Programs
- Biology Student Posters
- Open Educational Resources
- Lie Algebra
- General Relativity
- Student_Research for all departments
- Bear River Watershed
- Research Centers
 - Bingham Research Center
 - Forage and Range Research Laboratory
 - Western Dairy Center
 - Cells and Materials
 - Food Microstructures
 - Crop Physiology Lab
 - Remote Sensing and GIS Lab
 - Center for Persons with Disabilities
- Disturbance Ecology Bibliography

New Events

- Rocky Mountain Space Grant Consortium 2016
- Utah Space Grant Consortium 2017
- ISHS 2016
- Small Sat 2016

New Books

- Foundations of Wave Phenomena
- Introduction to Classical Field Theory
- A Guide to the Identification of Tailed Myxobolidae of the World: Dicauda, Hennegoides, Henneguya, Laterocaudata, Neohenneguya, Phlogospora, Tetrauromena, Trigonosporus and Unicauda
- 8 USU Press Books

New Journals

- Human Wildlife Interactions
- Sink Hollow
- Journal of Early Hearing Detection and Intervention
- Journal on Empowering Teaching Excellence

Datasets

4

Data Management Plans

21

New Selected Works Sites

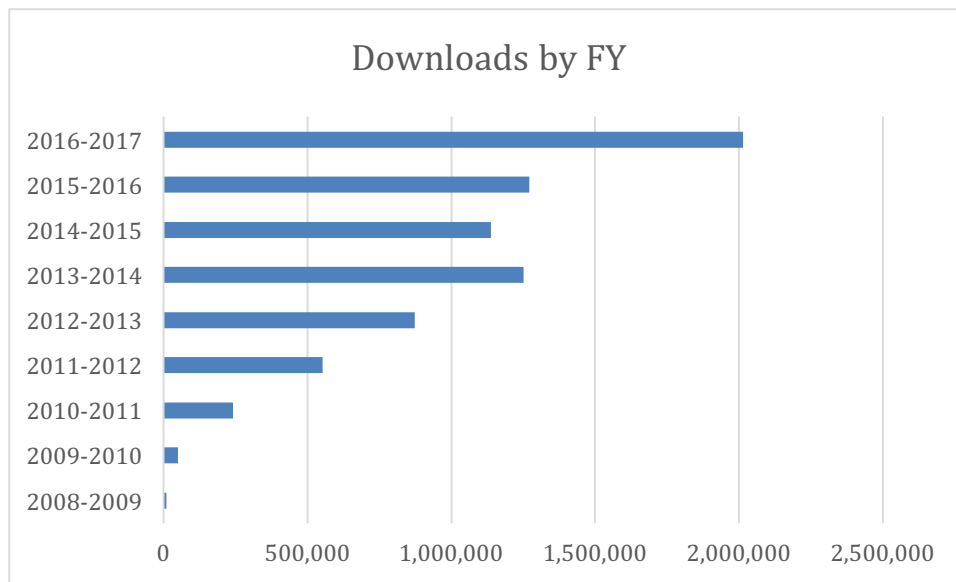
170

New content added

9444 items posted.

Total Downloads: 7,558,981

Downloads in FY 2016-2017: 2,014,106



Top 10 Downloads

Title	Downloads
Discharge Coefficient Performance of Venturi, Standard Concentric Orifice Plate, V-Cone, and Wedge Flow Meters at Small Reynolds Numbers	75100
Improving Patient Satisfaction in a Hospital Foodservice System Using Low-Cost Interventions: Determining Whether a Room Service System is the Next Step	51851
Folklore and the Internet: Vernacular Expression in a Digital World	46313
Functional Rehabilitation of Low Back Pain With Core Stabilizations Exercises: Suggestions for Exercises and Progressions in Athletes	45404
Acute Effects of AdvoCare Spark [®] Energy Drink on Repeated Sprint Performance and Anaerobic Power in NCAA Division I Football Players	40594
Journal of Mormon History Vol. 34, No. 4, 2008	26510
The Relationship Between Confidence and Performance Throughout a Competitive Season	24506

Haunting Experiences: Ghosts in Contemporary Folklore	20787
Best Practices in Counseling Native Americans	20722
Static Versus Dynamic Stretching Effect on Agility Performance	20390

How do we compare to other repositories (compiled by Morgan Ziontz of Bepress):

Utah State University 2016-2017 Academic Year Benchmarking Numbers

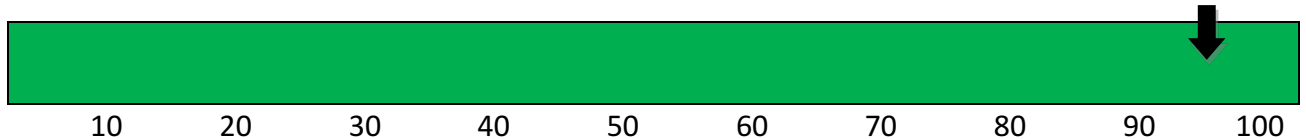
Growth:

95th percentile (4,876 full-text items added in the 2016-2017 academic year)

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

Series with the most new full-text additions in 2016-2017 (with the number of additions in parentheses):

[All Graduate Theses and Dissertations](#) (1,311), [All Current Publications](#) (725), [Human-Wildlife Interactions](#) (388) and the [AIAA/USU Conference on Small Satellites](#) (292).

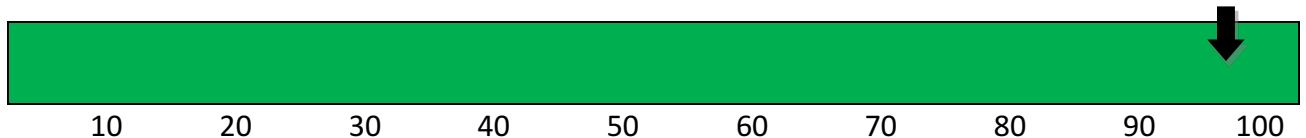


Breadth:

97th percentile (items added to 131 series in the 2016-2017 academic year)

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

Multiple types of content were added to the repository in this time period, including theses and dissertations, faculty publications, posters, journal articles and datasets.

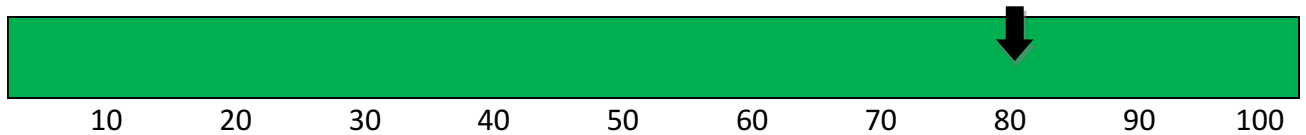


Demand:

80th percentile (71 average downloads per full-text item in the 2016-2017 academic year)

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

Most of the top downloads belong to All Graduate Theses and Dissertations, All Current Publications, [All Graduate Plan B and other Reports](#), AIAA/USU Conference on Small Satellites and [All Archived Publications](#).



Our Growth, Breadth, and Demand numbers have stayed steady over the past three years:

2015

Growth: 2718 89th percentile
Breadth: 87 94th percentile
Demand: 57 62nd percentile

2014

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

DigitalCommons by College

College	Sum of Uploads	Sum of Downloads	Average of Average	Sum of SW Pages
Caine College of the Arts	79	1352	54.10714286	3
College of Agriculture & Applied Sciences	4376	32831	9.117354473	56
College of Engineering	4211	46297	43.36325436	29
College of Humanities & Social Sciences	2191	35683	13.83937224	55
College of Science	5353	153326	23.79178858	56
Emma Eccles Jones College of Education & Human Services	6437	225813	35.27129488	80
Jon M. Huntsman School of Business	1796	59973	61.5616447	14
S.J. & Jessie E. Quinney College of Natural Resources	4917	71555	19.71437574	62
Extension/Research Centers/Libraries/Special Collections	15438	973900	61.37931995	82

Looking Ahead

- We have been invited by RGS to work with incoming faculty and graduate student through a series of workshops in the upcoming Fall and Spring. Training for Research Faculty (TRF) and Graduate Training Series (GrTS) will focus on “maintaining and cultivating an online scholarly presence” and thus will have a healthy amount of time devoted to Selected Works and DigitalCommons@USU. We will also have a segment at the Fall’s Tenure Academy which is a required monthly workshop and discussion for new Faculty, which will follow similar outlines.
- Rachael Levay will be starting as the new director and acquisitions editor for the USU Press in the Fall and has been supportive and interested in the campus OA initiatives. We anticipate greater collaboration between the Press and DigitalCommons@USU during her tenure.