Utah State University

DigitalCommons@USU

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DigitalCommons@USU Fiscal Year Report 2015-2016

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MERRILL-CAZIER LIBRARY

Fiscal Year 2015-2016

DigitalCommons@USU
Report for Fiscal Year 2015-2016

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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 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 51,000 full text documents in addition to over 68,000 metadata records. The full text items in DC have collectively been downloaded more than 5 million times with more than a million of those coming within the fiscal year 2015-2016.

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; the IR Coordinator, Danielle Barandiaran; and four part-time student assistants.

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 and SelectedWorks page creation
- Retro ETD Workflow
- Creating DOIs in batch in EZID
- Many new videos describing processes both for DigitalCommons and copyright as a whole
- Uploading to Issuu and DigitalCommons with Page-Flip View
- Copyright Clearance Workflow
- A new User manual for Selected Works came out with the launch of the new Selected Works interface
- Combined New SelectedWorks and Copyright Clearance e-mail text
- Selected Works Workflow
- Submitting a Plan B Thesis to DigitalCommons
- Submitting a Plan B Thesis to Digital Commons with an embargo

Additions to the repository this year

New Series
- Year of Water
- USU Lectures
- Differential Geometry Presentations
- Differential Geometry Publications
- Digital Folklore Project 2014
- Digital Folklore Project 2015
- Undergraduate Honors Projects
- Extension Photos
- Dendroclimatology
- Irrigation, Water Use and Drought
- Sustainable Turfgrass Research
- Urban Water Conservation
- Water-Wise and Native Plants
- HIST 3770 – Nuclear West
- SPAN 3040 – Advanced Spanish Grammar

New Events
- Library Instruction West
- 6th International Symposium on Hydraulic Structures

New Journals
- Journal of Early Hearing Detection and Intervention
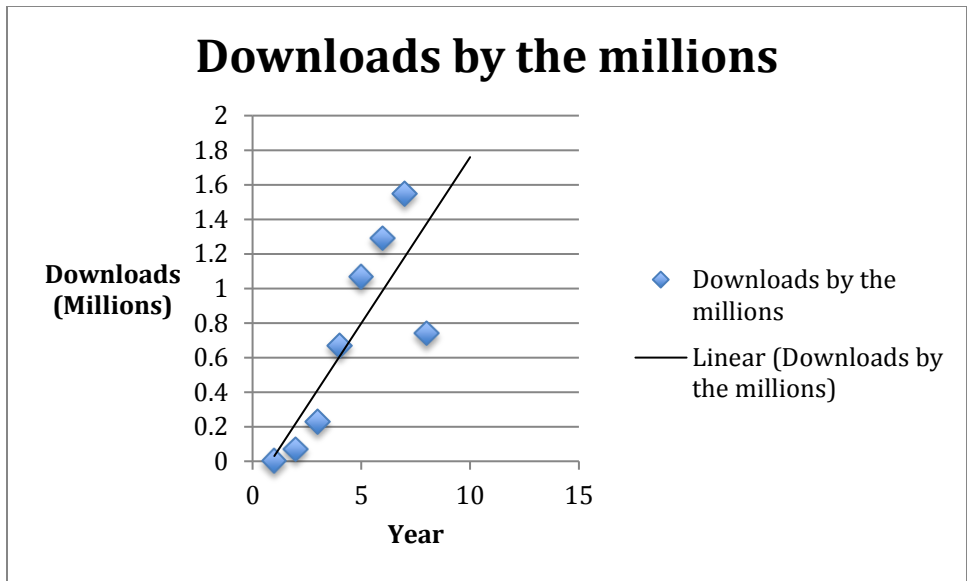- Journal of Empowering Teaching Excellence

Datasets
12

New Selected Works Sites
22

New content added
6943 items posted.

Downloads from 2008 and forward:

Downloads by the millions

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 5.5 million in July 2016. This was a growth of over 1 million downloads in the past year.

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	58085
Folklore and the Internet: Vernacular Expression in a Digital World	43572
Improving Patient Satisfaction in a Hospital Foodservice System Using Low-Cost Interventions: Determining Whether a Room Service System is the Next Step	37861
Acute Effects of AdvoCare Spark® Energy Drink on Repeated Sprint Performance and Anaerobic Power in NCAA Division I Football Players	36433
Journal of Mormon History Vol. 34, No.	24846

4, 2008	
Functional Rehabilitation of Low Back Pain with Core Stabilizations Exercises: Suggestions for Exercises and Progressions in Athletes	17925
Haunting Experiences: Ghosts in Contemporary Folklore	13926
Japanese Demon Lore	13172
Best Practices in Counseling Native Americans	13008
Static Versus Dynamic Stretching	12741

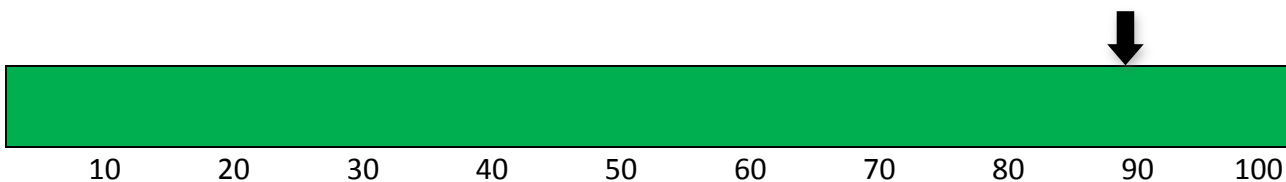How to we compare to other repositories (compiled by Morgan Ziontz of Bepress):

2015 Benchmarking Numbers

Growth:
89th percentile (2718 full-text items added in the 2015 calendar year)

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

Series with the most new full-text additions in 2015 (with the number of additions in parentheses): Graduate Theses and Dissertations (647), *Journal of Food Structure* (360), Graduate Plan B and Other Reports (254), All Archived Extension Publications (199), Space Dynamics Lab Publications (161).

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  10    20    30    40    50    60    70    80    90   100
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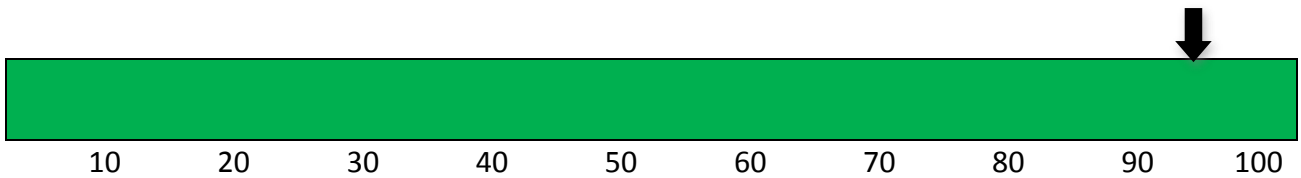
Breadth:
94th percentile (items added to 87 series in the 2015 calendar year)

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.

Multiple types of content were added to the repository in 2015, including faculty publications, student works, and campus documents like university catalogs.
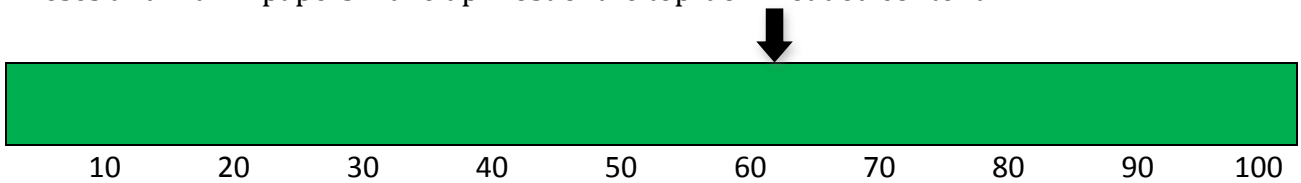
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

Demand:
62nd percentile (57 average downloads per full-text item in the 2015 calendar year)

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

Theses and Plan B papers make up most of the top-downloaded content.

| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

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

2014

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

2013

Growth: 4158   90th-100th percentile
Breadth: 73   90th-100th percentile
Demand: 68   50th-79th percentile

DigitalCommons by College

College	# papers	Total Downloads	Average Downloads per Paper
Agriculture and Applied Sciences	4,357	134,289	30.82143677
Arts	190	4,770	25.10526316
Business	1,522	113,554	74.60840999
CHaSS	2,172	249,375	114.8135359
Education	5,987	296,505	49.52480374
Engineering	1,578	32,515	20.60519645
Extension	2,525	114,321	45.27564356
Libraries	1,812	229,749	126.7930464
Natural Resources	11,388	209,481	18.39488936
Science	4,582	140,609	30.68725447

Selected Works by College

College	# Faculty Members	# Faculty Members on SelectedWorks	# Faculty Members NOT on SelectedWorks
Library	24 (SL)	20	4
Arts	62	1	61
Agriculture and Applied Sciences	159	46	113
Education and Human Services	159	62	97
Engineering	92	16	76
Science	134	31	103
Business	76	10	66
Humanities and Social Sciences	154	28	126
Natural Resources	48	23	25
	908	237	671

Challenges

In Spring 2016, the decision was made to no longer require students to deposit a physical copy of a thesis or dissertation with the library. The copy of the thesis/dissertation deposited in DC is now considered the copy of record. this transition of Plan A Theses and Dissertations to all digital is an opportunity to streamline and adjust some of our workflows. In the case of embargoed work, a student will be required to deposit a bound copy, and the Library will facilitate the process of binding personal copies for students who choose to do this. This process will continue to be handled by Acquisitions.

The absence of a scholarly communications librarian and continuing departmental changes were a challenge for the growth and expansion of DigitalCommons.

The addition of new conferences and journals this year are promising but changed how much we were able to digitize existing materials.

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.

Looking Ahead

Upcoming Projects

- Bee Lab- Approximately 17,000 reprints, some of which will be deposited in DigitalCommons (as copyright allows).
- iUtah and CUAHUSI watershed data.

Goals for 2016/2017

- Target departments and colleges that are not heavily invested already in Digital Commons. As is shown in the chart above, we have heavy investment from Natural Resources, Education, and Science and less involvement from Business and Arts. In the next year we should work with Subject Liaisons within these colleges and with faculty who have already deposited work in DigitalCommons to promote more involvement from these colleges.
- IR staff and administrators are working with bepress to set up an Amazon S3 preservation system to back up and preserve the assets in DigitalCommons. Amazon S3 is fully integrated with DigitalCommons and will allow ease of deposit and backup.

- Design and promote a Selected Works Workshop for faculty who are interested in scholarly communication and promotion.
- Work with RGS to build Selected Works portfolios for student researchers, especially those with fellowships, URCO, or Honors work.
- Streamline the ETD process through the use of DocuSign as well as solidifying workflows.