Texas ScholarWorks: 2017 Annual Report

Date: Feb. 22, 2018
Submitted By: Colleen Lyon, Scholarly Communications Librarian
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1. Executive Summary

We did not complete a Texas ScholarWorks (TSW) 2016 report, so this is the first report released since February 2016. We are pleased to share our accomplishments from a busy 2017. During this past year, we worked with Texas Digital Library to upgrade TSW to DSpace version 5.9. The upgrade was completed in early January 2018, but nearly all the testing happened in fall 2017.

Since our last report we increased the number of students we have working with Texas ScholarWorks. We now have three ULN students working on uploading content to TSW. This has improved our ability to work on multiple projects simultaneously.

We had a few large metadata clean-up efforts in 2017. A graduate student in the Content Management department finished an ongoing project to insert supervisor information into ETD records that were missing information in that field. We also did a mass department name clean-up effort based on decisions made in summer/fall 2016.

On average, UT Libraries and TDL staff spend an aggregated 128 hours a week working on TSW. During 2017 we added 63 collections, completed 15 batches, and added 12,564 items to TSW - that's a 20.5% increase over 2016! This is the first year we've had sustained faculty submissions; three faculty members regularly upload content to TSW. Finally, our permission form is now available in Spanish thanks to Susanna Sharpe, the LLILAS Benson Communications Coordinator.

2. About Texas ScholarWorks

Established in 2008 – formerly called UT Digital Repository (UTDR)

Texas ScholarWorks was established to provide open, online access to the products of the University's research and scholarship, to preserve these works for future generations, to promote new models of scholarly communication, and to help deepen community understanding of the value of higher education.

ROAR ID: 3570
OpenDOAR ID: 1364

Texas ScholarWorks supports all four of UT Libraries purposeful pathways
- Expand/develop deeper campus partnerships/collaborations to contribute to Research, Teaching and Learning
- Develop framework to support digital scholarship

- Focus on collections of distinction (content recruitment, archives, unique, rare materials)
- Focus on transformative spaces and innovative services

3. Annual Review of TSW

Input from Library Staff gathered via Qualtrics survey in December 2017

Q1: Did you talk with faculty, staff or students about TSW in the last year?

Answer	%	Count
Yes	100%	25
No	0%	0

Q2: Please indicate the context of your TSW-related interactions. Check all that apply.

Answer	%	Count
During an in person or phone consult	31.58%	18
Via email reference	24.56%	14
During an instruction session	15.79%	9
At the Research Help & Check Out Desk	10.53%	6
During a department or lab meeting	14.04%	8
I did not talk about Texas ScholarWorks	0%	0
Other	3.51%	2
	Total Responses	57

Other=
- New student orientations
- In the context of the exhibits case. At conferences since it's where my work is available.

Q3: Approximately how many times last year did you talk about TSW?
Responses=
- 3
- 5
- 10
- 10
- 30
- 50
- 10 or fewer
- 2

- 10
- 4
- 2
- 2-3
- Outside of mandated emails and orientations, probably around 10-20
- 5
- 15
- Way too many to count
- 15-20
- 4
- 3
- 50+

Q4: Why didn't you speak with anyone about TSW?
Skip logic meant no one saw this question

Q5: Please briefly describe any issues with the TSW software that make it difficult for you or your patrons to use?
Responses=
- Strictly UT centric
- Patrons have mentioned long wait time for downloads
- N/A
- Can't think of any; search interface is not my favorite but is usable.
- Search is truly terrible.
- Not the software but it is very difficult to find on the library web site; the structure once you find it is hard to understand (collections, communities, etc.)
- Patrons don't know about it.
- Having to close browser or clear cache for a different person to log in; searching within scholar works for something doesn't work well even when you've found an item via scout and have an exact title/author
- I've been told people find it hard to navigate and that it seems really disorganized. Unless you know exactly what you are looking for, people have a hard time browsing it easily.
- 8
- N/A
- A courtesy borrower attempted to access a dissertation from a PCL computer and could not.
- Haven't heard any.

Q6: Please rate your confidence level in using Texas ScholarWorks

Answer	%	Count
Not at all confident	4.55%	1
Somewhat confident	36.36%	8
Very confident	26.36%	8
Totally confident	22.73%	5
	Total Responses	22

Q7: Why did you select that confidence level?
Responses=
- Only one direct question about TSW, but not much information coming from above (supervisors, faculty, etc)
- somewhat confident
- TSW is a great resource to have in order to retain important items in a library's collection
- Because I haven't had much need to use it, so it is still new to me. However, it is simple to use - similar to dropbox.
- Trusted colleagues work with standard product
- It's hard to effectively search/browse.
- I have never used it myself, just referred it as a campus resource and heard other talk about it
- I use it often and am familiar with DSpace
- because I don't do it often
- I've never actually been trained or uploaded anything but I'm fairly certain that it wouldn't be that difficult.
- It's not an intuitive site to use
- I don't think it's hard to use as a librarian, so I can figure something out if I have trouble. However, I don't think a non-librarian or regular researcher would feel the same way or have the same level of patience to figure it out on their own.
- when it works well, it is great
- sometimes searching can be difficult - I know what I am looking for and how much there should be but I don't always get that in my search results
- Familiarity with the system, ease of use
- The user interface is easy and intutitive but I am not compeltely sure what is in there and who can access it.
- I've uploaded materials, linked to them later.
- I feel like I can always learn more.

Q8: Do you feel that the TSW staff provide you with the information and tools you need to talk about TSW with your patrons?

Answers	%	Count
There is very little support available	0%	0
There is some support available	31.82%	7
There is a lot of support available	68.18%	15
	Total Responses	22

Q9: Please describe any additional support from TSW staff you'd like to see offered for Texas ScholarWorks
Responses=
- A training would be great
- Be more proactive with DSpace to improve interface and search capability in future versions.
- it would be great to have information in TSW about forthcoming theses and dissertations, or at least something we can refer users to when they have questions about accessing a recent work

- Maybe more information access restrictions.

Input from Users gathered during the TSW Annual Review

Q1: Please briefly describe any positive experiences you've had with TSW over the past year
Responses=
- I think that the staff at TSW responds to inquiries in a really helpful and timely fashion which is really nice since the process can be a little confusing.
- I appreciate the communication from TSW about changes, outages, new procedures, etc.
- wonderful working with this group; always helpful
- uploading seems faster than the previous year
- Everything has been entirely positive. The staff are enthusiastic and work hard to support users.
- I was able to view research from others and view what they were up to!
- Excellent working relationship with Colleen
- I've uploaded material to it.
- I have uploaded at least a dozen articles over the year. The wait time between submission and publication was always short and without problems.

Q2: Please briefly describe any difficulties or problems you've had with TSW over the past year
- We frequently run into time-out errors when attempting to upload video content. It is understandable that there is a file size limit, but it is frustrating that the system will allow all the data to transfer and then fail. (It would be nice if there was an error message at the beginning of the upload process if the file sizes are too large.) Also, we're in the process of adding closed captions to our past videos so we can replace the files online with a more-accessible version for hearing impaired visitors. This is a time-consuming process, which we initiated because TSW staff advised us to do so. We understand the need for compliance and don't view this as a "problem" but it is certainly difficult.
- None
- searching is clunky -- seems to default to "or" when multiple keywords are input
- None!
- kind of hard to navigate to collections
- not clear how get a jpg in a submission to show up as thumbnail in views of file listings
- N/A
- Inability to upload corrected versions of PDFs but TSW staff very responsive
- Removal of bitstreams being limited to admin, "sort/filter" options being limited to search queries and not available at the collection viewing level
- i find some elements of the interface confusing.

Q3: Please rate the ease of use of TSW

Answer	%	Count
Not at all easy to use	0%	0
Somewhat easy to use	57.14%	8
Very easy to use	42.86%	6
	Total Responses	14

Q4: Please rate the support provided to you by TSW

Documentation for the TSW platform and policies

Answer	%	Count
No support provided	0%	0
Some support provided	11.11%	1
Excellent support provided	88.89%	8
	Total Responses	9

Responsiveness to questions

Answer	%	Count
No support provided	0%	0
Some support provided	0%	0
Excellent support provided	100%	13
	Total Responses	13

Support for submissions

Answer	%	Count
No support provided	0%	0
Some support provided	7.69%	1
Excellent support provided	92.31%	12
	Total Responses	13

Q5: Please describe any functionality you'd like to see added to TSW
Responses=
- Warning messages at the beginning of an upload if the file size exceeds limits.
- ability to upload folders instead of having to upload one file at a time
- This coming year, we will be reviewing some of the existing content to see what we might adapt to build up the portfolio of the biodiversity center.
- Ability to upload corrected versions of PDFs
- Line breaks added to Description fields
- ability to add "errata" files indexed with the main file

Interface Updates that were done in 2017
- Initiated and tested an upgrade to DSpace software

Policy and FAQ Updates that were done in 2017
- Updated all policies except the preservation policy in 2017
- Updated FAQs and Help pages
- Added information about accessibility to the policies & FAQs

Statistics

Site Usage Overview – Google

- 501,405 sessions
- 903,260 pageviews for all visitors
- 428,366 users
- Average session duration 1 minute 8 seconds
- 85% of visitors are new
- 70.8% of our users landed on TSW from a search in Google/Bing/Yahoo
- 18.3% of TSW traffic was from referrals – top referring site is Google Scholar
- 20.8% of our users access TSW with a phone or tablet
- Top 10 country locations for visitors
    - USA
    - India
    - UK
    - Canada
    - Philippines
    - Australia
    - Germany
    - China
    - Pakistan
    - Malaysia

DSpace internal stats

- 4,265,330 estimated searches performed (August 2017 was an anomaly – 3,349,532 searches that month
- 54,404 total works archived as of 12/31/2017
- 2.4 TB of content in 263,110 files
- 1,990,374 estimated item pages viewed
- 4,142,152 estimated bitstreams downloaded

Conference presentations about Texas ScholarWorks

- Borrego, G., & Goodale, I. (2017, Sept.). *The Prague Spring Archive: Using open source publishing and an institutional repository to create a dynamic digital collection*. Poster presentation at Digital Frontiers, Denton, TX.
- Lyon, C. (2017, June). *Batch processes and outreach for faculty work.* Presentation at Open Repositories, Brisbane, Australia.
- Lyon, C. (2017, Mar.). *Outreach outcomes and batch processing tools for IR deposited faculty work*. Poster presentation at ACRL, Baltimore, MD. http://hdl.handle.net/2152/46352
- Trelogan, J., & Lyon, C. (2017, Jan.). *Repositories at the University of Texas at Austin.* Poster presentation at the Waller Creek Symposium, Austin, TX. http://hdl.handle.net/2152/45552

4. Accounting of UT Libraries Repository Work

Accounting of repository work by the Research Support & Digital Initiatives, Content Management, Stewardship, Texas Digital Library, and other library staff

Research Support & Digital Initiatives
Colleen Lyon, Gilbert Borrego, Victor Gonzalez, Alma Munoz, Quang Hoang, and Carrie Cruce

Scholarly Communications Librarian average number of hours per week: 20
Colleen Lyon's Duties
- Responsible for the strategic direction and overall management of TSW
- Outreach to library staff and campus community
- Track progress on some TSW projects and on projects related to TSW
- Help troubleshoot and try to resolve issues and problems
- Test features and functionality of new Dspace versions
- Maintain statistics for TSW and coordinate the completion of a yearly TSW report
- Answer questions about theses and dissertations
- Consult on metadata issues and clean-up metadata as needed
- Develop and update policies for TSW
- Duties performed when Digital Repository Specialist is unavailable
  - Submit and/or approve works submitted to "centrally managed" collections, and review and troubleshoot previously submitted works
  - Create metadata templates for collections in TSW
  - Respond to inquiries about collections, submission procedures, and withdrawal of previously submitted works
  - Manage the authorizations of prospective and current users to submit works to appropriate collections
  - Manage the authorizations of campus departments or ORUs who will manage their own collections.
  - Work with other curators on their Collection Description Documents (CDD)
  - Work with library staff, campus departments and ORUs to develop procedures and workflows for deposit and management of content

Digital Repository Specialist average number of hours per week: 40
Gilbert Borrego's Duties
- Oversees day-to-day TSW operations
- Outreach, including social media, to library staff and campus community
- Tracks progress on TSW projects and on projects related to TSW
- Serves as contact for questions regarding ingestion and pre-processing of materials
- Maintains communities and collections that the UT Libraries oversees, the "centrally managed" collections

- Submits and/or approves works submitted to "centrally managed" collections, and reviews and troubleshoots previously submitted works
- Creates metadata templates for collections in TSW
- Responds to inquiries about collections, submission procedures, and withdrawal of previously submitted works
- Manages the authorizations of prospective and current users to submit works to appropriate collections
- Manages authorizations of campus departments or ORUs who will manage their own collections
- Works with library staff, campus departments, and ORUs to develop procedures and workflows for deposit and management of content
- Helps troubleshoot and try to resolve issues and problems
- Tests features and functionality of new DSpace versions
- Maintains statistics for TSW
- Directs student workers on various projects
- Assists with identifying publisher copyright and self-archiving policies.

Student Technician average number of hours a week: 10
Carrie's Duties
- Submit and/or approve works submitted to library-managed collections
- Work with library staff, campus departments and ORUs to help develop procedures and workflows for deposit and management of content
- Maintain statistics for TSW
- Compile statistics for campus units
- Help develop metadata templates for collections in TSW
- Prepare items for batch ingest

ULN Intern average number of hours a week: 10 per student/30 hours per week total
Victor, Quang, & Alma's Duties
- Submit and/or approve works submitted to library-managed collections
- Edit metadata on existing content
- Prepare items for batch ingest
- Maintain statistics for TSW
- Compile statistics for campus units

2017 Work Highlights

Batches processed
- CAAR (904 items) 02/2017
- Great Britain Ministry #1 (1140 items) 03/2017
- Bulletins and Publications (718 items) 03/2017

- Great Britain Ministry #2 (994 items) 04/2017
- Great Britain Ministry #3 (684 items) 05/2017
- Physical Review in Fac/Res Works (114 items) 05/2017
- Office of the Registrar (578 items) 05/2017
- Great Britain Ministry #4 (1,088 items) 06/2017
- Office of the Registrar (578 items) 06/2017
- Stenzel Letters (6,246 items) 06/2017
- Great Britain Ministry #5 (1,188 items) 06/2017
- Great Britain Ministry #6 (2,570 items) 06/2017
- Great Britain Ministry #7 (1,270 items) 07/2017
- PASP1 (299 items) 07/2017
- Venture Labs (198 items) 10/2017 – processed but not able to complete as a batch because of multiple technical problems
- Great Britain Ministry #8 (9,258 items) 11/2017

Department/ORU meetings in person or via email about TSW (total 49)
- Biodiversity Collections (3)
- Biology Instruction Office (3)
- Briscoe Center for American History
- Erika Bsumek
- Catalogue of American Amphibians & Reptiles (email)
- Center for Asian American Studies (email)
- Center for Transportation Research (email)
- Climate Change Clearinghouse (email)
- COERLL
- College of Education (email)
- Dell Medical School (email)
- Environmental Science Institute
- Facilities Services
- Fishes of Texas (email)
- FMCAD Proceedings (email)
- Graduate Student Assembly
- Hindi Urdu Flagship (email)
- Hoccleve Archive
- Hogg Foundation
- IC^2 Institute (email)
- Israel Studies
- Jewish Studies
- Landmarks (email)
- LBJ School (email)
- Lundellia (email)
- Marine Science Institute (email)

- Dr. Nilsson
- Albert Palacios (LLILAS) (2)
- Adam Papendieck
- PASP (2)
- Plan II
- Plant Resource Center (email)
- Praxis (email)
- Hannah Roberts (Re-Think It)
- Matt Russell
- School of Undergraduate Studies (email)
- Sharir & Sharir Bustamante Dance Collection
- Texas Education Review (email)
- Thomas Jefferson Center (email)
- Ken Tothero
- Venture Labs (email)
- Waller Creek (email)
- Webber Energy Group

Set up Sub-Communities and Collections in TSW (total 63 new collections)
- Open Educational Resources (content not yet uploaded)
  - Biology
  - BIO311
- Catalogue of American Amphibians and Reptiles
- Texas Education Review
- Re-Think It 2018: Libraries for a New Age
- Center for Asian American Studies
  - CAAS History
- Facilities Services
  - Facilities Services Presentations
  - Facilities Services Student Employee Work
  - Facilities Services White Papers
  - Values at Work Series
- Biodiversity Collections
  - Flora of Forfarshire
  - Ichthyology
    - Fishes of Texas
      - FoT Fieldnotes
      - FoT Images
    - Texas Natural History Collection
      - TNHC Images
      - TNHC Publications
- Jackson School of Geosciences

- o Non-Vertebrate Paleontology
  - ▪ Stenzel Letters
- Jewish Studies
  - o Association of Jewish Libraries
    - ▪ Assoc. of Jewish Studies News
    - ▪ Assoc. of Jewish Studies Newsletter
    - ▪ Assoc. of Jewish Studies Reviews
- Center for Archaeological and Tropical Studies
  - o CATS Research Reports
- Department of Chemistry
  - o Dept. of Chemistry Newsletters
- RGK Center for Philanthropy and Community Service
  - o RGK Case Studies
  - o RGK Faculty Publications
  - o RGK Sponsored Research
  - o RGK Working Papers
- Plan II
  - o Honors Theses Open
  - o Honors Theses Restricted
- Marine Science Institute
  - o Mission Aransas NERR Manuals
- Population Research Center (PRC)
  - o PRC Research Brief Series
- UT Libraries
  - o Library Newsletters
  - o Texas ScholarWorks

Provided TSW training
- There was no formal training provided in 2017; however, informal training occurred several times last year.

Departments in Faculty/Researcher Works collection. Bold numbers indicate an increase in items from last year – 3510 total works in the collection
- Accounting – 1
- Advertising – 5
- Aerospace Engineering – 11
- Aerospace Engineering & Engineering Mechanics – 2
- African & African Diaspora Studies – 4
- American Studies – 22
- Anthropology – **52**
- Applied Research Laboratories – 13
- Art & Art History – 2
- Art History – 5

- Asian Studies – 18
- Astronomy – **922**
- Biochemistry – 36
- Biological Sciences, School of – 69
- Biomedical Engineering – **25**
- Brackenridge Field Laboratory – 1
- Bureau of Economic Geology – **4**
- Business Administration – 27
- Cellular & Molecular Biology – 85
- Center for Aeromechanics Research – 2
- Center for Business, Technology and Law – 1
- Center for Complex Quantum Systems – 5
- Center for Computational Biology & Bioinformatics – **24**
- Center for Electrochemistry – 2
- Center for Electromechanics – 1
- Center for Energy & Environmental Resources – 1
- Center for Health Promotion & Disease Prevention Research in Underserved Populations – 5
- Center for Learning & Memory - **3**
- Center for Nonlinear Dynamics – 19
- Center for Research in Water Resources – 3
- Center for Social Work Research – 4
- Center for Space Research – 3
- Center for Systems and Synthetic Biology – **21**
- Chemical Engineering – **58**
- Chemistry – **130**
- Chemistry & Biochemistry – 1
- Civil, Architectural, and Environmental Engineering – 192
- Classics – 68
- Communication Sciences & Disorders – 18
- Communication Studies – 146
- Community & Regional Planning – 1
- Computational Science, Engineering, and Mathematics – 5
- Computer Sciences – 26
- Dell Pediatric Research Institute – 4
- Division of Statistics & Scientific Computation – 2
- Economics – **18**
- Education – **1**
- Educational Psychology – 2
- Electrical and Computer Engineering – **25**
- Engineering Mechanics – 1
- English – 64

- English (Creative Writing) – 4
- Environmental and Water Resource Engineering - **2**
- French & Italian – 7
- Fusion Research Center – 2
- Fusion Studies – **9**
- Geography & the Environment – 7
- Geological Sciences – **91**
- Geotechnical Engineering Center – 1
- Germanic Studies – 6
- Government – 56
- History – **46**
- Human Ecology – 1
- IC2 Institute – **2**
- Imaging Research Center – 1
- Information – 11
- Information, Risk, and Operations Management (IROM) – 5
- Institute for Cellular and Molecular Biology – **59**
- Institute for Computational Engineering and Sciences (ICES) – 10
- Institute for Fusion Studies – **8**
- Institute for Geophysics – **13**
- Institute for Theoretical Chemistry – 1
- Integrative Biology – **159**
- Jewish Studies – 4
- Journalism – 2
- Kinesiology & Health Education – 16
- Latin American Studies – 52
- Law, School of – 13
- LBJ School of Public Affairs – **2**
- Linguistics – 10
- Management – **31**
- Management Science & Information Systems – 1
- Marine Science – **26**
- Marketing – 3
- Materials Science & Engineering – 7
- Mathematics – 37
- McCombs School of Business – 3
- McDonald Observatory – 204
- Mechanical Engineering- **64**
- Mexican American Studies – **3**
- Microbiology – 23
- Microelectronics Research Center – 17
- Middle Eastern Studies- **17**

- Molecular Biosciences – **47**
- Music – **36**
- Neuroscience – **25**
- Nutritional Sciences - 15
- Petroleum and Geosystems Engineering – **9**
- Pharmaceutical Sciences – 2
- Pharmacy – **48**
- Philosophy – 3
- Physics – **147**
- Plant Resources Center – 1
- Population Research Center – 3
- Psychology – 25
- Public Health – 2
- Radio-Television-Film – 6
- Science & Mathematics Education – 2
- Social Work – 4
- Sociology – 6
- Spanish & Portuguese – 1
- Statistics – 6
- Texas Advanced Computing Center (TACC) – **12**
- Texas Institute for Drug & Diagnostic Development – 1
- Texas Materials Institute – 3
- Texas Natural Science Center – 9
- Thomas Jefferson Center for the Study of Core Texts & Ideas – 1
- UT Libraries- **69**
- Waggoner Center for Alcohol and Addiction Research – **15**
- Women's and Gender Studies – 5
- Writing – 9

Content Management Work average number of hours a week for all catalogers: 20
Leslie Flynn, Jennifer Follen, Kelly Garrett, Grant Hardaway, Katelyn Helberg, Anh Holicky, Marjie Lawrence, Luisana Lopez, Ann Marchock, Alan Ringwood, Debbie Thompson, and Anna Tiller

TSW Responsibilities
- Resolve any issues, regarding descriptive metadata and cataloging records
- Clean up metadata in TSW as needed
- Create new catalog records in OCLC and export those records to Sierra
- Edit and enhance metadata for all ETDs coming through Vireo system
- Submit Non-Vireo ETDs to TSW

- Submit works to TSW coming through Digital Stewardship, ILS, and Storage & Logistics (LSF)
- Submit works to TSW as requested by bibliographers and other campus clients
- Submit doctoral and master's music recitals to TSW and create OCLC records for them

2017 work highlights
- Non-ETD works submitted to TSW on behalf of someone else: 130
- TSW metadata records edited: 193
- ETDs submitted via Vireo: 1411
- ETDs submitted via TSW: 229

Texas Digital Library Work average number of hours per week: 8 (hard to estimate because of Ryan's departure in 2017)
Ryan Steans, Nick Lauland, Nick Woodward, Kristi Park, TDL Helpdesk staff

TDL Responsibilities for TSW
- Maintain DSpace application (including server management, system security measures, backups, and systems monitoring)
- Apply configuration changes
- Apply changes to static pages (ex: policies and FAQs)
- Import new content from batches
- Maintain a redundant DSpace instance staging work
- Provide on-going training/support for UTL DSpace users via the TDL Helpdesk
- Stay abreast of DSpace and general repository developments, and participate in DSpace community as appropriate
- Build Texas DSpace community that includes TDL and other member libraries

2017 work highlights
- Upgrade of TSW to DSpace version 5 (completion date January 2018)
- Command-line batch ingests of approximately 14 large batches
- Addressed 53 helpdesk tickets related to TSW
- Developed MOU governing service

Stewardship Work
Anna Lamphear, Brittany Stratton, Jon Pearson

TSW Responsibilities
- Digitizing work destined for Texas ScholarWorks
- Writing digitized content to tape for preservation purposes
- Downloading videos from sites without easily identifiable download options
- Providing advice about digitization, captioning, and audio/video formats

<u>2017 work highlights</u>
- 9,329 individually ingested daily press briefings from the British Ministry of Information
- 58 theses / dissertations from the general collection and Geology Library
- 14 folders or scrapbooks from the Sharir / Sharir + Bustamante Dance Collection (paper materials)
- 32 items from the Sharir / Sharir + Bustamante Dance Collection (AV materials)
- 78 technical reports from the Marine Science Library
- 174 Cactus Yearbooks
- 286 ETDs from CD-ROM and other legacy media added to TSW and cataloged – part of staff share agreement with Jon Pearson

Other Library Staff Work

Other library staff submit works to TSW or help manage TSW collections. Dennis Trombatore submits works on behalf of Geology faculty. Theresa Polk and Albert Palacios manage the LLILAS collection. Anna Lamphear, Wendy Martin, Benn Chang, and Ashley Adair provide advice about preservation and digitization best practices and provide assistance with workflows for born-digital and digitized content. Travis Willmann assists with designing and procuring marketing materials for TSW – pens, mugs, etc.

5. Major Issues Encountered

<u>Need more robust statistics</u>
Even with the Atmire Content & Usage Analysis module, we were not able to provide the level of statistics we'd like to our users. We also struggle with determining how accurate our statistics really are. It's difficult to filter out all bot traffic and there are spikes or dips in our statistics that don't always make sense.

<u>Search interface problems</u>
One of the most frequent complaints we get about DSpace is the search interface. The system does not do a good job, even with known-item searches. I sometimes use Google search to find what I need rather than the search in TSW. The poor search interface can be very frustrating for new users and I'm sure turns some people off on using TSW.

<u>Cumbersome submission process</u>
The subject field of the submission form only allows one keyword at a time to be entered. If you want to enter multiple keywords to enhance discoverability it requires a rather tedious process of clicking add, and waiting for the screen to refresh.

In addition, the submission process includes several screens that submitters must go through to upload a single item. There is also no way to include additional metadata fields during the submission process without completely changing the submission form for that collection (which can only happen with

assistance from IT support). The entire process needs to be streamlined and customizable in order for it to be really useful for most units on campus.

Assigning DSpace privileges to curators
DSpace still does not allow community and collection administrators to fully manage their collections. They are unable to change authorizations for some functions like Read access and they cannot delete individual bitstreams. The TSW Curator is able to make adjustments as requested, but it is frustrating for those trying to manage their collections.

File size limitations
Files over 600MB sometimes cause problems with uploading and downloading. Files larger than 1GB generally are not feasible within DSpace. The software does not communicate this limit and the user only realizes there is a problem after waiting for an upload or download to fail.

Batches
We routinely process batches and handle most of the batch preparation in the Scholarly Communication unit, but we still require assistance from TDL to get the batch submitted to DSpace. This can result in delays in batch processing. We are hopeful that the batch submission process integrated into DSpace version 5 will help speed up batch processing.

Metadata exports
For some reason when you export metadata from DSpace it includes language codes on the metadata fields that we are not inputting during upload. This means the dc.creator gets exported as at least three different columns – dc.creator, dc.creator[en], and dc.creator[]. This ends up expanding the spreadsheet to three times the number of columns and makes metadata editing difficult – especially for novice users.

6. Goals for 2018

Goals for 2018:
1. Continue current outreach activities
   a. Contact at least 20 new individuals or units
   b. Create at least five new collections
   c. Host two informational/instructional sessions on Texas ScholarWorks
   d. Send at least nine ScholarWorks in a Minute emails
   e. At least 90% of depositing units should be contacted every 6-12 months to maintain the relationship and make sure their needs are being met.
   f. Increase the number of items we add to TSW – it was 12,564 for 2017
2. Create accessibility policy
3. Work through all A/V materials to get that content in compliance with university and ADA requirements
4. Migrate our DOI service from EZID to DataCite

5. Correct assignment of ORCID – currently being put in dc.creator.orcid field; should go in dc.identifier.orcid field
6. Do an audit of TSW documentation with the goal of simplification and streamlining of documents. Update documentation and/or create new visual (rather than strictly textual) documentation
7. Update the preservation policy to be more specific.
8. Continue clean-up efforts for repository metadata.
9. Participate in the DSpace development community to try to influence the direction of future improvements.
10. Create a new organizational structure for DSpace that is more descriptive of actual content.
11. Start using RAMP (Repository Analytics & Metrics Portal) for more accurate repository statistics.