



TDL.ORG
TEXAS DIGITAL LIBRARY

Building Trust Together: A Consortium Approach to Open Repositories via DSpace and the Texas Digital Library



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Panelists

Kristi Park, she/her

Executive Director, TDL

Nicholas Woodward, he/him

Senior Software Engineer & DSpace Tech Lead, TDL

Alexa Hight, she/her

Scholarly Communication and Copyright Librarian, Texas A&M University-Corpus Christi

Emily Johnson, she/her

Scholarly Communication Librarian, University of Texas at San Antonio

Colleen Lyon, she/her

Head of Scholarly Communications, University of Texas at Austin

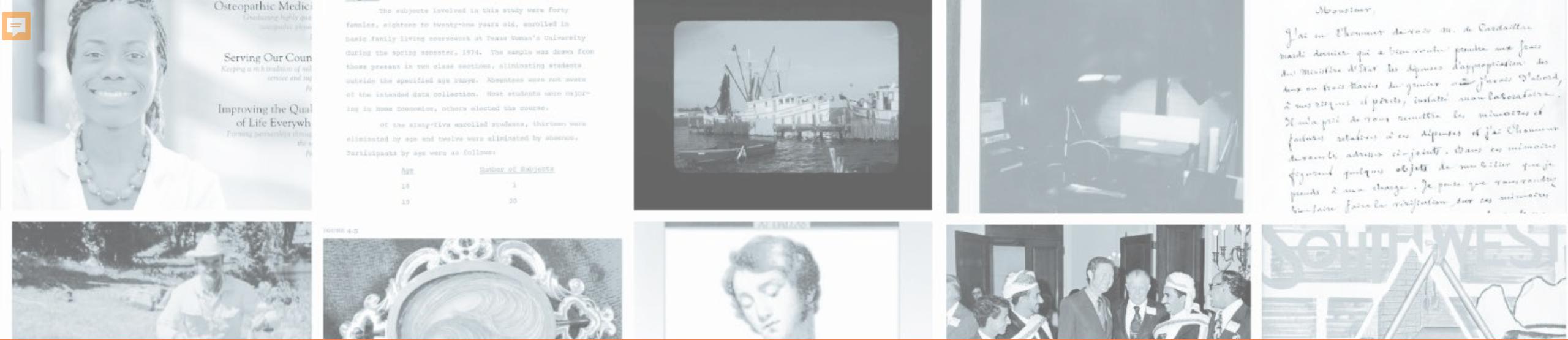




Overview



- About the TDL consortium
- Repository hosting service model overview
- Tech stuff: architecture, code management, etcetera
- TDL DSpace Users Group
- Member Case Studies: UT Austin, Texas A&M Corpus Christi, UT San Antonio
- Conclusions and Q&A



About TDL

Equitable access to and preservation of digital content

- Repository hosting
- ETD workflow/publication (Vireo)
- Texas Data Repository (Dataverse)
- Journal hosting (OJS)
- Digital Preservation Services
- DPLA Aggregations

TDL Members

Angelo State University

Arizona State University

Baylor University

Houston Public Library

Sam Houston State University

Southern Methodist University

Stephen F. Austin State University

Tarrant County College

Texas A&M - Galveston

Texas A&M International University

Texas A&M University

Texas A&M University - Corpus Christi

Texas State University

Texas Tech University

Texas Woman's University

Trinity University

University of Dallas

University of Houston

University of Houston - Clear Lake

University of North Texas

University of Texas - Rio Grande Valley

University of Texas at Arlington

University of Texas at Austin

University of Texas at Dallas

University of Texas at San Antonio

UNT Health Science Center

UT Medical Branch

UT Southwestern

West Texas A&M University

COVID-19 Predictive Modeling Corpus Christi -TAMU-CC Joint Task Force

BROWSE BY
By Issue Date Authors Titles Subjects Departments

Search within this community and its collections:

[Go](#)

Collections in this community

Presentations

Recent Submissions

[COVID-19 Predictive Modeling Joint Task Force presentation, July 10, 2020.](#)[COVID-19 Predictive Modeling Corpus Christi -TAMU-CC Joint Task Force, \(2020-07-10\)](#)[COVID-19 Predictive Modeling Joint Task Force presentation, June 12, 2020.](#)[COVID-19 Predictive Modeling Corpus Christi -TAMU-CC Joint Task Force](#)[COVID-19 Predictive Modeling Joint Task Force presentation, April 10, 2020.](#)[COVID-19 Predictive Modeling Corpus Christi -TAMU-CC Joint Task Force](#)

UTSA. Runner Research Press

[Home](#) / [UTSA Faculty and Staff Works](#) / [UTSA Libraries and Museum](#) / [Library Staff Research](#) / [View Item](#)

Networking, Advocacy, and Outreach: Women in STEM Pop-Up Event at UTSA

Abstract
It can be difficult to make connections with faculty, especially as a relatively new librarian. This year, the University of Texas at San Antonio (UTSA) Libraries hosted a Pop Up Event to promote Women in STEM. In addition to advocating for the advancement of women in STEM fields, the event opened a door for this librarian to introduce himself and the library to many faculty members, to bring students to interact with the library, and to provide social media content for outreach.View/Open
[Conference Presentation \(4.383Mb\)](#)Date
2018-07-20Author
Hayward, MattMetadata
Show full item recordThe following license files are associated with this item:
Creative Commons
Search within this community and its collections:Or, browse on the map:


Dr. Ralph R. Chase West Texas Collection

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Collect Store Preserve Share

The West Texas Collection (WTC) is the special collections department of the Porter Henderson Library. The WTC houses a variety of primary sources related to the history of the region including letters, photographs, maps and legal documents as well as being home to

UTSouthwestern Medical Center

[UTSW DSpace Home](#) / [UTSouthwestern Communities](#) / [Grand Rounds](#) / [Ethics Grand Rounds](#) / [View Item](#)

Neurotechnologies and agency: ethical issues in engineering the brain

Faculty Research

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By Issue Date Authors Titles Subjects Department

Search within this collection:

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ThinkTech is an online publishing and archival service for the Texas Tech University community that scholars may use to distribute and archive their scholarly works with no limitations on content or format. ThinkTech also provides access to materials that traditional publications cannot. Click here to submit a single item.

[Submit to ThinkTech!](#)Users may access:
• Gray literature
• Video
• Audio[View Item](#)[Published ETD Collection](#)[View Item](#)[The Relationship Between Work-life Balance Programs and Employee Success](#)[Abstract](#)

The purpose of this study is to investigate the importance of work-life balance (WLB) attempts to understand the relationship between it has been suggested that there should be a programs enhance employee outcomes. This

of the relationship between the availability of as: job performance, turnover intention, deviant employee behavior, and organizational support

i: whether perceived organizational support

B programs availability and the employee how employees' perception of the programs

y, the study explores if the results of the study

this study are similar to those from the PLS

IB programs has a positive relationship with

ice behavior in the U.S. sample. The relation

place behavior was the opposite of what was

influence was considered. Please contact the

TEXAS TECH UNIVERSITY
Southwest Collection/
Special Collections Library[View Item](#)[Collections](#)

Library Staff Research

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By Issue Date Authors Titles Subjects

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The Petroleum Museum

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Library Staff Research

[Search within this community and its collections:](#)

A collaborative model

TDL staff responsibilities:

- Systems and application maintenance
- Software development
- User support (TDL Helpdesk)
- Training for new users
- Support for DSpace Program at LYRASIS (Platinum membership)
- Community coordination: The TDL DSpace User Group

Member responsibilities:

- Content management
- Repository administration (UI)
- Local policy development
- Engagement with/leadership of the TDL community of users

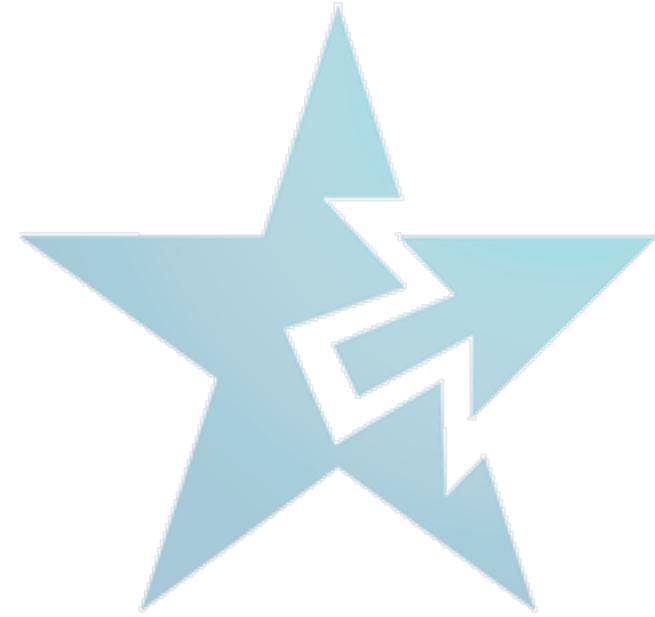


DSPACE

tdl.org

Fee structure

- Supported by membership fees + service fees
- Tiered membership categories based on type of institution
- Cost recovery
- Full membership > Consortium governance



Scan for more about
TDL membership fees





Tech stuff: Repository hosting

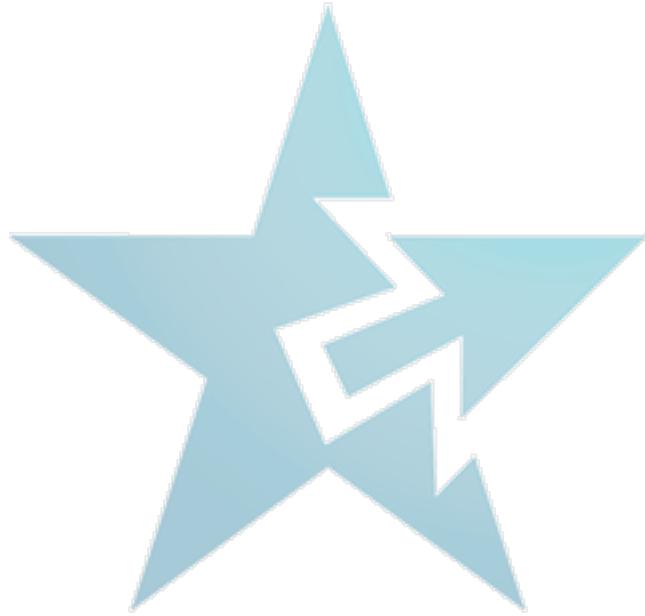
- Amazon Web Services
 - 22 VMs that all include:
 - DSpace 6.3
 - Amazon Linux 2
 - Apache 2.4
 - Tomcat 9
 - PostgreSQL 13
 - Shibboleth 3.3
 - Fuseki 4.5

Tech stuff: Centralized services



- Ansible for server deployment in AWS
- Ansible for DSpace application and services
- Centralized SMTP email services via Amazon's Simple Email Service
- Comprehensive server monitoring
 - Munin
 - Prometheus
 - Slack integration for server alerts

Tech stuff: Code management



- Public DSpace code repository on GitHub
 - Current with official DSpace repository
 - Used to test and contribute PRs to the official repository
- Hosted GitLab instance
 - DSpace code repository
 - Used to merge updates to DSpace code with TDL customizations
 - Post-build DSpace code repository
 - One default DSpace 6.x branch with Mirage 2 theme
 - Separate branches for each institutional repository
- Final DSpace code is deployed to the VM with only the branch corresponding to that institution

Tech stuff: Customizations



Code

- HTML5 audio/video media player
- Replication Task Suite (RTS) to push data to DuraCloud
- Optional login screen adjustments

The screenshot shows a DSpace digital library interface. At the top, there's a navigation bar with links for 'TDL DSpace Home', 'Texas Digital Library Archives', 'TDL Monthly Forum', and 'View item'. A user dropdown shows 'admin admin'. Below the navigation, the title 'January 2021 Forum' is displayed. On the left, there's a video player showing a recording from 'TDL MEMBER FORUM' with a timestamp of '0:09'. To the right of the video player is a sidebar with a search bar and a link to 'https://hdl.handle.net/2248.1/15639'. The main content area shows a list of files: 'Video recording (65.59Mb)', 'slides (28.57Mb)', 'agenda (50.44Mb)', and 'captions (25.54Mb)'. At the bottom left, it says 'Date: 2021-01-20' and 'Author: Park, Kristi; Courtney, DeForest; Lee'. At the bottom right, there are 'Logout' and 'Profile' buttons.

Configuration & templates

- Faceted search and browsing customizations
- Integrations, e.g. DataCite, Sherpa Romeo, Altmetrics
- Look-and-feel GUI changes



tdl.org

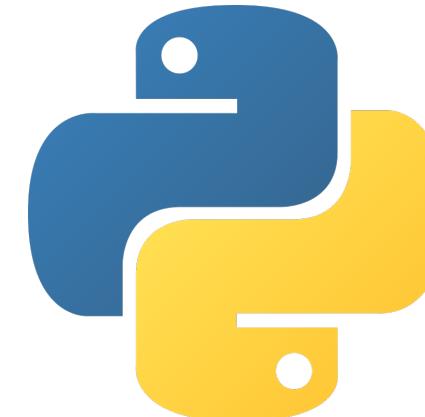
The screenshot shows a faceted search interface for the 'Entire Repository'. The sidebar on the left lists categories: 'Communities & Collections', 'Date Issued', 'Authors', 'Titles', 'Subjects', 'Departments', 'This Community', 'Date Issued', 'Authors', 'Titles', 'Subjects', and 'Departments'. The 'This Community' category is currently selected, indicated by a dark green background. The main content area shows a list of items under this category.



Tech stuff: Ancillary tooling



- Python code to generate DSpace statistical reports (<https://github.com/TexasDigitalLibrary/dspace-reports>)
 - Excel spreadsheets with views/downloads stats for communities, collections, items and the entire repository
 - Audio/video content management using Python scripts
 - Facilitate using media player or traditional thumbnails using primary bitstream setting in an item



- > Users, Groups, and Roles
 - Item Mapper
 - Licensing
 - Moving Items
 - Withdrawing, Deleting, and ...
 - Workflows
 - System-wide alerts
 - Item Templates**
 - Metadata Registry
 - Relationships in DSpace
 - Media player
 - Usage statistics
 - Quality Control Reports
- > TDL DSpace hosting service
- > TDL DSpace Users Group

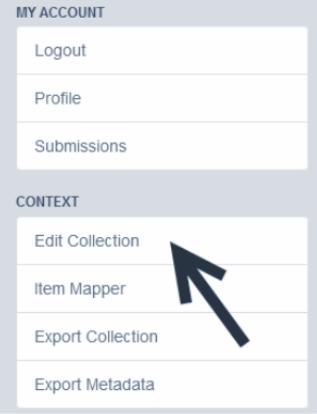
Item Templates



Created by Joseph Alan Pruitt (Unlicensed)
Jul 10, 2019 • 1 min read • 2 people viewed

Item Templates

Item templates are useful when you have one or more metadata elements whose value automatically and consistently be applied to any item submitted to that collection. To create a template, first select the Collection you will be adding the item to. If the Co



- ▼ Channels
- # animal-crossing
- # digitalpreservation-and-im...
- # dspace-users-group**
- # food
- # gardening
- # general
- # hometowns
- # hoorays
- # metadata
- # pets
- # random
- # schol-comm
- # sportsball
- # whatcha-readin
- community-managers 1
- + Add channels

DSpace Users Group



1 reply 3 months ago

3:44 PM **Melissa Morrow** was added to #dspace-users-group by lead.



Thursday, March 3rd

4:34 PM **Alexa Hight** I would like to crowd source recommendations from the group. We're having an on campus symposium to publish conference proceedings, as well as a digital version of the posters. I'm going to create an overarching community for the symposium. My question is what to call the new Community: TAMU-CC Research events? The idea is to have a central place for all our research events. Here's a link to our homepage if that helps for context of how our communities are organized and named.



3 replies Last reply 3 months ago

Saturday, March 5th

9:27 AM **Mary Rausch (WTAMU)** replied to a thread: I would like to crowd source recommendations from the group. @Taylor Fairweather-Leitch has set up a community Faculty Research Poster Session and Research Fair poster session. This has each year as its own collection.

Wednesday, June 1st

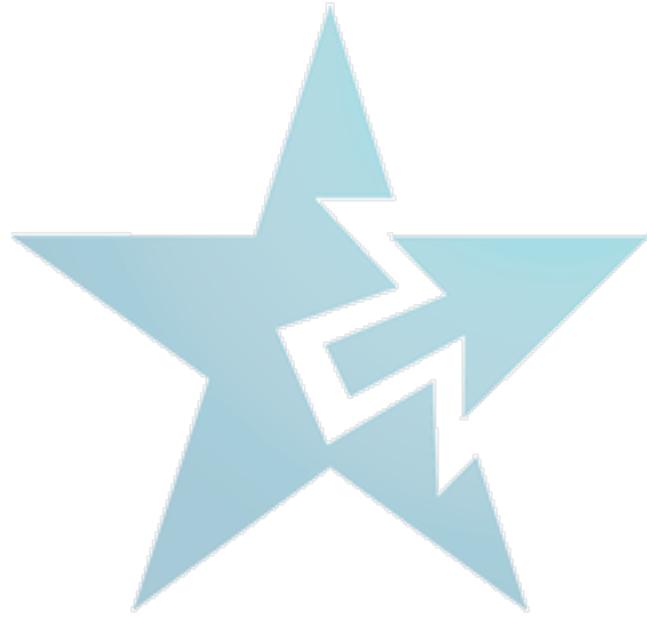


How it all started

Invite sent out to the TDL listserv

August 2018 - Ed Warga was the first Chair

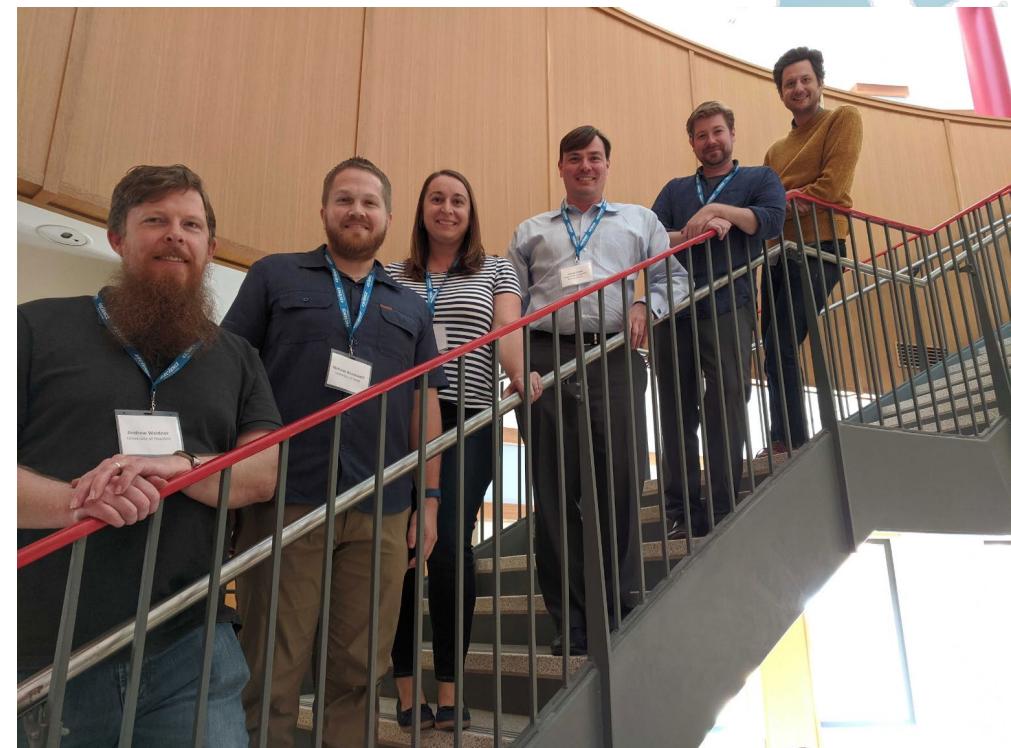
Collected group input on outcomes and activities





Examples of discussion topics

Statistics
Metadata editing
Accessibility
API reports
Updates about DSpace
Outreach efforts
OER
Sharing takeaways from conferences



Part of the User Group at DSpace NA Meeting 2019



Sharing resources

Statistics

Workflow documentation

Outreach documentation (policies, emails)

Peer to peer training

Skills survey





UT Austin Case Study



About us

R1 institution with over 50,000 students

No campus OA policy

[Texas ScholarWorks](#) - 99000+

Areas of repository success

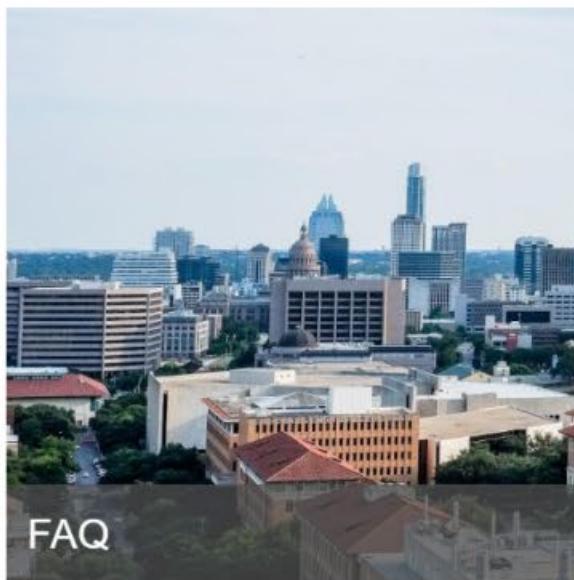
Staffing

Other TDL services used: Vireo, OJS, Dataverse,
OER

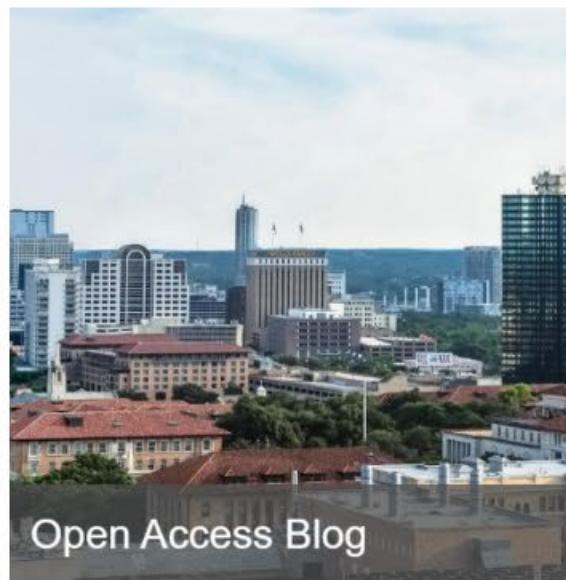




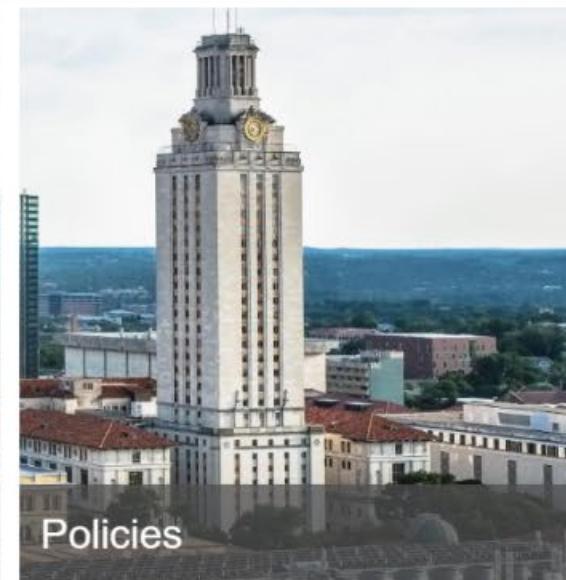
[Repository Home](#)



FAQ



Open Access Blog



Policies

Search



BROWSE

Entire Repository

Communities & Collections

Date Issued

Authors

Titles

Subjects

Departments

MY ACCOUNT

Login

STATISTICS

[View Usage Statistics](#)

Introduction

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.



Benefits to consortium approach



Less downtime for TSW

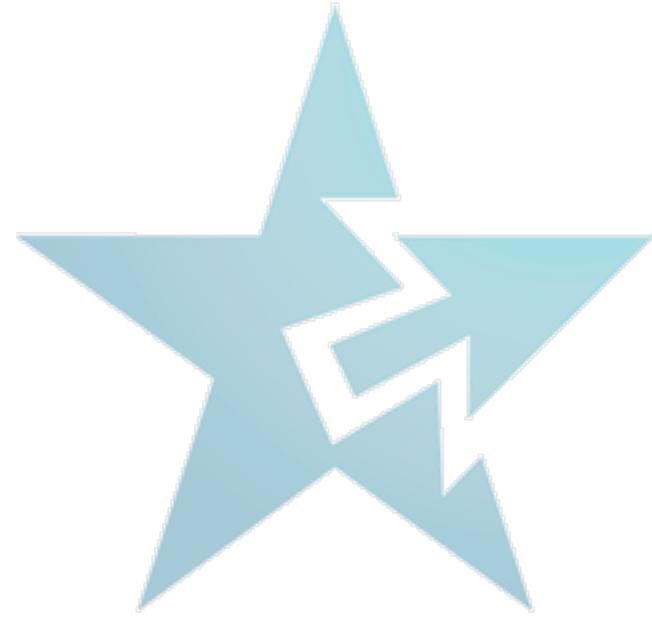
Questions are answered quickly

Troubleshooting of weird problems

Improved statistics

Learning from my colleagues across TX

Being more informed about the larger DSpace community and software upgrades



A&M Corpus Christi Case Study

About us



- R2 Carnegie Classification with 10,000 students; HSI
- No campus OA policy
- [TAMU-CC Repository](#): Just under 30,000 items
- Areas of Success: ETDs, Research Centers, Special Collections & Archives
- Staffing & Repository Management
- Other TDL services: OJS

Benefits to consortium approach



TEXAS A&M UNIVERSITY
CORPUS CHRISTI

TAMU-CC Repository Home

TAMU-CC Repository

The Texas A&M University-Corpus Christi (TAMU-CC) repository is an open online site for storing and sharing digital content created or owned by the TAMU-CC community. Content includes published and unpublished research and scholarship as well as archival materials. The service is managed by the Mary and Jeff Bell Library in cooperation with the Texas Digital Library. [Learn more](#)

Communities in DSpace

Select a community to browse its collections.

- College of Business
- College of Education and Human Development
- College of Liberal Arts
- College of Nursing and Health Science
- College of Science and Engineering
- Mary and Jeff Bell Library
- Research Centers

Research Institutions and Centers on TAMU-CC campus

Special Collections and Archives

Items from Special Collections and Archives manuscript and photographic collections as well as the official university records.

TAMU-CC Campus Conference Proceedings

TAMU-CC Theses, Dissertations, and Graduate Projects

Find theses, dissertations, and graduate projects completed by students of Texas A&M University-Corpus Christi

Alexa Hight ▾

Search Entire Repository

BROWSE

- All of TAMU-CC Repository
- Communities & Collections
- By Issue Date
- Authors
- Titles
- Subjects
- Departments

MY ACCOUNT

- Logout
- Profile
- Submissions

CONTEXT

- Create Community

ADMINISTRATIVE

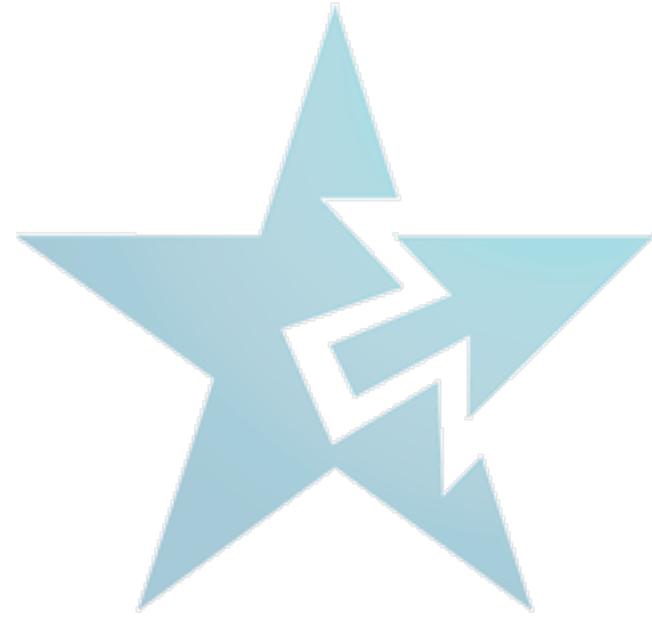
- Control Panel
- Statistics
- Curation Tasks

Access Control

We no longer have local expertise to host DSpace ourselves

Learning from colleagues:

- Don't have to reinvent the wheel on policies, procedures, training, libguides
- Resources and training: OpenRefine HelpDesk



UT San Antonio Case Study

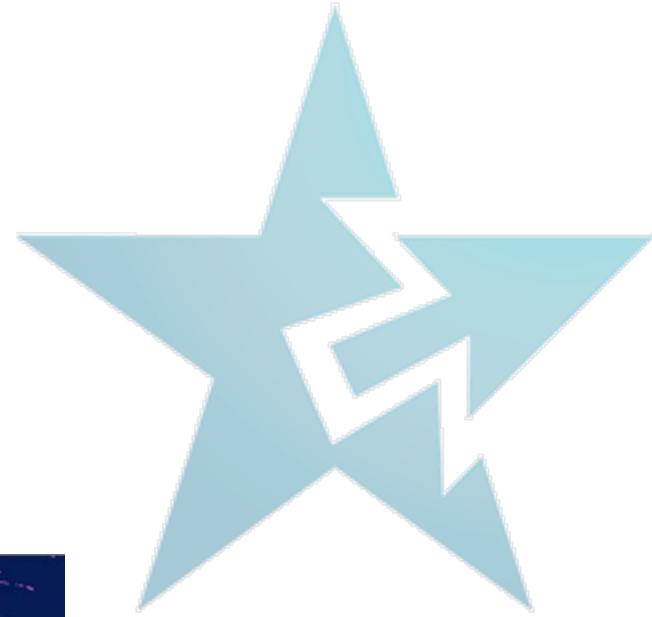
About us

- Separate UT System school from UT Austin
- Roughly 35,000 students, founded 1969
- Hispanic Serving Institution
- Carnegie R1 institution as of Dec. 2021
- No campus OA policy



About the Runner Research Press

- Joined TDL in 2019, launched in DSpace in 2021
- 721 items
- Repository Governance Team
 - Scholarly Communications
 - Systems
 - Metadata
 - Subject Librarians
- Areas of success
 - UTSA-hosted journals
 - Archiving student experiences during COVID-19
- No OJS or Vireo (yet)



Disinfect



Abstract

In a pandemic, our physical belongings aren't the only thing we should frequently wipe clean from viruses. With every notification and news headline, my headspace became contaminated with thoughts of anxiety, doubt, and fear of the future. I was inspired by a poem of a fellow UTSA student.

Description

This item was created by a UTSA undergraduate student during the Fall 2020 semester as a part of a collaborative, interdisciplinary project designed to gather, create and preserve the UTSA stories of the present for future study.

Department

Art and Art History

View/Open

[Disinfect.jpeg \(4.927Mb\)](#)

Date

2020-12-10

Author

Vilches, Itzel

Metadata

[Show full item record](#)

Search



Search Runner Research Press

This Collection

BROWSE

All of Runner Research Press

[Communities & Collections](#)

[By Issue Date](#)

[Authors](#)

[Titles](#)

[Subjects](#)

[Departments](#)

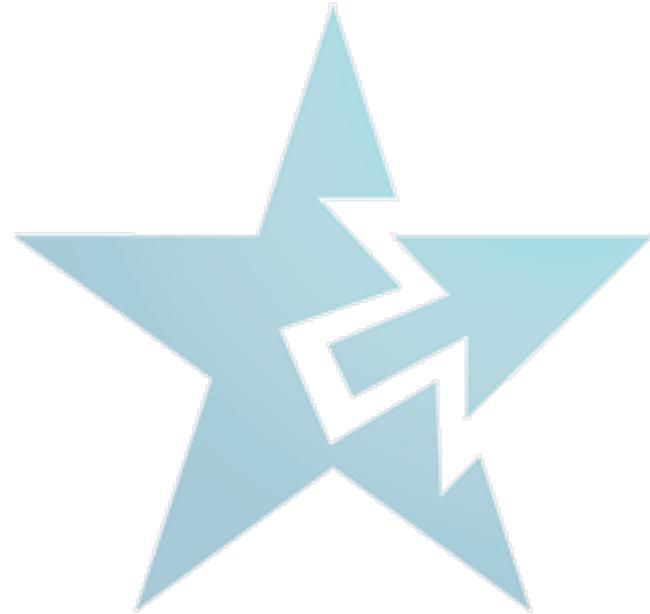
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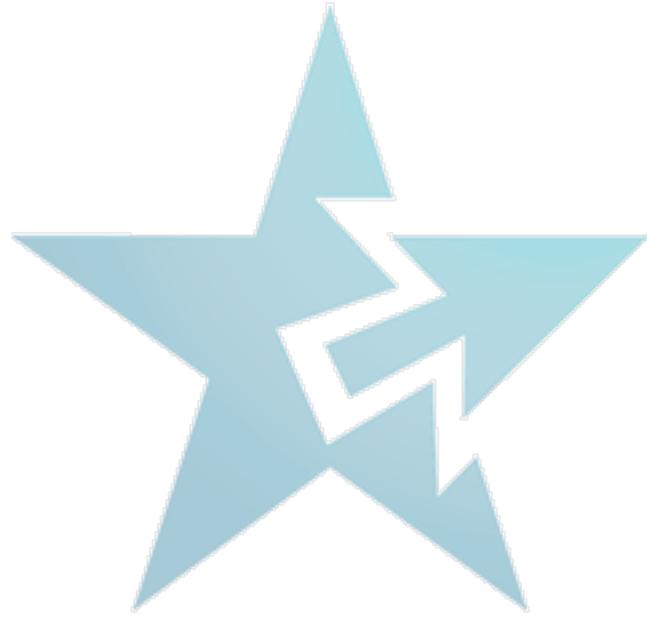
[Authors](#)

[Titles](#)

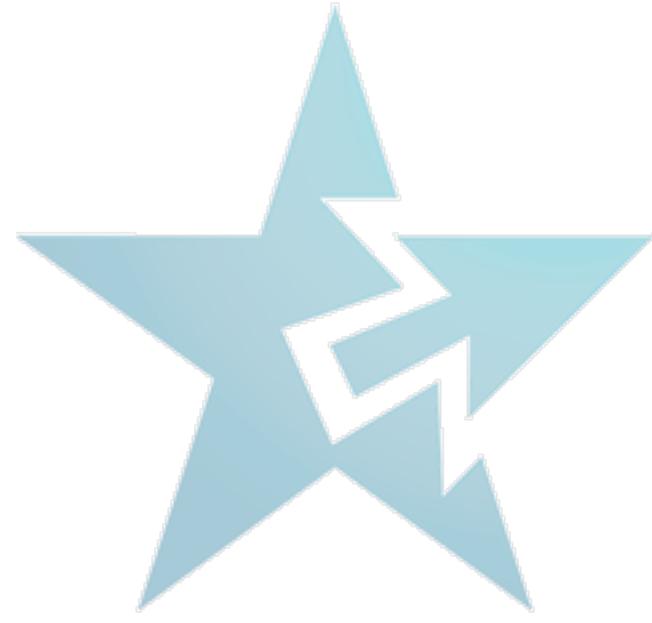
Benefits to consortium approach



- Incredibly helpful when starting from scratch!
- Initial training for Libraries staff on DSpace
- Technical assistance and expertise / Help Desk
- Statewide knowledge base
- Faculty were impressed by association with other R1 schools



What are the challenges to using this hosted model?



Conclusions and Q&A