Texas Digital Library: An Update

Mark McFarland and John Leggett
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Overview

• Brief Overview of TDL

• Review of the Past Year
  – 4th Texas Conference on Digital Libraries was held on May 17-19 in Austin
  – Projects: Vireo, TxLOR, PresNet, Statistics, Shib, TWDL

• Member Collaborations

• Looking Ahead

• LEARN – TDL Partnership
TDL Members

- Baylor University
- Texas A&M University
- Texas A&M University – Corpus Christi
- Texas State University
- Texas Tech University
- Texas A&M Health Science Center
- University of Houston
- University of North Texas
- University of Texas at Arlington
- University of Texas at Austin
- University of Texas Southwestern Medical Center at Dallas
- University of Texas at Dallas
- University of Texas Medical Branch at Galveston
- University of Texas MD Anderson Cancer Center
- Angelo State University
- Texas A&M University at Galveston
- Texas A&M University at Kingsville
- Texas A&M University at Qatar
- University of Texas at Brownsville
Membership Levels

- **Tier 1**
  - $100,000 per year plus 2 FTE
- **Tier 2**
  - $50,000 per year plus 1 FTE
- **Tier 3**
  - $25,000 per year
TDL Services

• Faculty Services
  - Peer-review Journal system, Conference Mgmt system, Faculty Directory, Blogs, Wikis

• Institutional Services
  - Repositories, ETD Submission and Mgmt System, Learning Materials Submission and Mgmt System

• User Services
  - Helpdesk, Professional Services (installation and configuration support)
  - Training on all services (train the trainer model)
  - Professional Development (working groups, statewide conference)
Vireo – ETD submission and management system

- Finishing up work on the VIREO IMLS grant
  - We’ll open source Vireo in September 2010 as per the grant
  - A&M, UT, Texas Tech are using Vireo in production
  - UTMB, UH, ASU, UTSWMED, UTB are testing
  - Automated publishing to local IR (SWORD)
  - Automated harvesting to TDL ETD Federated Repository (OAI-ORE)
- University of Illinois, MIT, CDL, and Universidad de Michoacán are using, testing, or preparing to test Vireo
- Vireo users group is meeting and sharing experiences
TxLOR - Texas Learning Objects Repository

- Federated repository of digital learning materials
- We are nearing the end of the 2nd year of this grant
- TxLOR demo was well-received by our customers
- This summer will be the time to harden TxLOR for a fall deployment
- Collaboration between TDL, UTTC, and THECB
PresNet - Preservation Network

• Development team focusing on PresNet
  – Using iRODS and participating in iRODS users group
  – Developing software infrastructure for managing large collections of files (packing, unpacking, moving containers)

• Signing contract for 80TB with Texas Advanced Center for Computing
  – Tier 1 – 8TB of storage as part of membership
  – Tier 2 – 4TB of storage as part of membership
  – Tier 3 – 2TB of storage as part of membership

• Tape copy in Austin (up to 80TB), Tape copy (up to 80TB) at out-of-state location (chosen by TACC based on availability in their network)

• Collaboration between TDL and TACC
Statistics – User Stories

• As an Author, I want to...
  ...know the # of downloads per month/year/ever for my items

• As a Librarian, I want to...
  ...know the # of items added per collection/community over a given date range
  ...aggregate statistics by month, year, day, and total (since the epoch)
  ...know the top 10/20/etc. downloads in a collection/community/repository
  ...know the 10/20/etc. most recent additions to a collection/community/repository
  ...know the total number of items in a collection/community/repository

• As an Administrator, I want to...
  ...know the disk usage and number of files per item in a given collection or community
  ...know the # of downloads/views per item/collection/community/author per month/year/ever
  ...analyze statistics by location (country)
  ...analyze statistics by domain
Statistics Solution

• Outsourced this development for cost-savings and efficiency
  – Options:
    • @mire for $20K per DSpace instance per year
    • Outsource development of stats package-$15K one-time cost

• Log-based package – portable to any repository platform
  – Development team will integrate the package this Summer
Shibboleth

• Now using LEARN identity provider and metadata
• LEARN Shib federation up and going
• Paul Caskey from LEARN providing support to TDL member institutions
  – Monthly LEARN/TDL Shib meeting
  – Transitioning current members to LEARN Federation
• Strong collaboration between TDL and LEARN
TWDL – Texas Water Digital Library

- Federated repository of Water Research
- Directors of Water Research Centers
  - David Maidment, UT Austin
  - Ken Rainwater, Texas Tech
  - Bill Harris, Texas A&M
- TDL infrastructure and services
  - Texas Water Research Journal, Wiki, Repository
- NSF grant proposal
Member Collaborations

- Baylor for Training program
- Texas Tech for User Services and Production Team
- Metadata Working Group
- Preservation Network Working Group
- Vireo Users Group
- TDL Users Group
Training at Baylor University

**Training host and registration management:** Amy Alexander, Baylor University

**Vireo ETD Management**
Christine Dromgoole, Texas A&M
Laura Hammons, Texas A&M
Jason Thomale, Texas Tech
Ryan Steans, TDL

**Open Journal Systems**
Kristi Park, TDL
Ryan Steans, TDL

**Introduction to DSpace**
Cameron Kainerstorfer, UT Southwest Med
Heather Perkins, UT Southwest Med
Matt Zimmerman, UT Southwest Med
Jay Koenig, Texas A&M

**Open Conference Management System**
Ryan Steans, TDL

**DSpace Customization**
Scott Phillips, TDL
Steven Williams, University of Texas
User Services and Production Team

- Natalie Bueno Vasquez, TTU
- Matthew McKinney, TTU
- Lance King, TTU/ TDL
- Peter Nürnberg, TDL
- Bill Sidney, TDL
- Dan Galewsky, TDL
- Ryan Steans, TDL
Metadata Working Group

- Amanda Harlan, Baylor University – Chair
- Holly Mercer, Texas A&M
- Daniel Alemneh, Univ. of North Texas
- Jee Davis, UT Austin
- Jeanne Hazzard, Texas State University
- Jason Thomale, Texas Tech University
- Mingyu Chen, Univ. of Houston
Vireo Users Group

- Laura Hammons, Texas A&M - Co-Chair
- Jason Thomale, TTU – Co-Chair
- First meeting at TCDL on Wednesday, May 19th
- Twenty five people in attendance
- UIUC has joined and MIT is interested
PresNet Working Group

- Michele Reilly, University of Houston – Chair
- Gail Clement, Texas A&M
- Wendy Martin, UT Austin
- Jason Thomale, TTU
TDL Users Group

- Matt Zimmerman, UT Southwest Medical – Chair
- New working group focused on systems infrastructure
Looking ahead...

- We will focus the development team on TxLOR and PresNet
- Integrate stats package into TDL Dspace
- Fall meeting of VPs for Research at all TDL schools to discuss data management requirements of federal grants
- Continue working on collaborations with Mexican universities and RABiD (Red Abierta Bibliotecas Digitales)
- Legislative session spring 2011; now talking to Government Relations officers
LEARN – TDL Partnership: An Important Alliance

<Stolen shamelessly from ....>
Board Leadership

- Jenifer Jarriel – BCM
- Pattie Orr – BU
- Michael E. Dobe, Sr. – Lamar
- Mickey Slimp – NETnet
- Luis-Pablo Grijalva – Prairie View A&M
- Kamran M. Khan – Rice
- Mark C. Adams – SHSU
- Joseph (Joe) Gargiulo – SMU
- Paul T. Davis – SFASU
- David A. Cantrell – TAMHSC
- Pierce E. Cantrell – TAMU
- Claudia McDonald – TAMU Corpus Christi
- Rodney (Rod) Zent – TAMUS
- William (Bill) E. Carter – TACC
- Bryan Lucas – TCU
- Steve Hyden – TETN
- C. Van Wyatt – TSU
- Sam Segran – TTU
- Kay Rhodes – TTUS
- Bill Palmertree – TWU
- Dennis Fouty – UHS
- Maurice Leatherbury – UNTS
- Bob Lim – UTPA
- Suzanne Montague – UT Arlington
- William Green – UT Austin
- Jim Gary – UT Dallas
- Stephen Riter – UT El Paso
- Kenneth (Ken) Pierce – UT San Antonio
- William (Bill) A. Weems – UTHSC Houston
- A. Jerome (Jerry) York – UTHSC San Antonio
- John D. Yoder, Jr. – UTHSC Tyler
- Keith Perry – UT MD Anderson Cancer Center
- Ralph Farr – UTMB
- Kirk Kirksey – UTSMC Dallas
- Margaret (Marg) Knox – UTS
Federated Authentication

- Shibboleth
- LEARN Financial Support
- Texas Federation
- LEARN Collaboration
- TDL
LEARN & TDL Members

- Baylor University
- Texas A&M University
- Texas A&M University – Corpus Christi
- Texas State University
- Texas Tech University
- Texas A&M Health Science Center
- University of Houston
- University of North Texas
- University of Texas at Arlington
- University of Texas at Austin
- University of Texas Southwestern Medical Center at Dallas
- University of Texas at Dallas
- University of Texas Medical Branch at Galveston
- University of Texas MD Anderson Cancer Center
- Angelo State University
- Texas A&M University at Galveston
- Texas A&M University at Kingsville
- Texas A&M University at Qatar
- University of Texas at Brownsville
LEARN & TDL

Partnership in Service of Texas Scholars

The Texas Digital Library (TDL) and the Lonestar Education and Research Network (LEARN) have formed a strategic partnership to support collaboration among Texas higher education institutions and scholars. Through their partnership, TDL and LEARN will enhance access to online scholarly communication services and strengthen the preservation of digital assets.

Serving Texas Researchers

Both LEARN and the TDL serve the higher education community in Texas and seek to support the research and education missions of their members.

A non-profit collaboration of Texas higher education institutions, LEARN boasts 35 members, representing 38 public universities, five private universities, and 50 community and junior colleges. Similarly, the TDL consortium includes 18 public and private higher education institutions, each of which also belongs to LEARN.

“Because everything we are doing in the Texas Digital Library relies on a robust network infrastructure, the LEARN partnership is key to our continued success.”

-Mark McFarland, TDL Co-Director

Leveraging Complementary Service Offerings

A partnership between TDL and LEARN brings together two sets of highly complementary digital services, allowing the organizations to play to their core strengths.

LEARN provides networking services via an intra-state optical fiber network, that support research and education activities at Texas colleges and universities. This infrastructure is crucial to the TDL’s mission: the widespread dissemination of scholarly work via online tools such as institutional repositories, e-journals, blogs, and wikis.

Pursuing Common Goals

Together, the TDL and LEARN are working to increase access to technological tools that make scholarly collaboration and publication possible. To that end, the partnership focuses its efforts on two common goals:

- TDL and LEARN will assist Texas institutions of higher education with the installation and use of Shibboleth, a federated authentication software that eases the sharing of applications among multiple institutions;
- Utilizing geographically distributed nodes on LEARN’s high-capacity computer network, TDL and LEARN will create a robust Preservation Network to protect the digital collections of TDL member institutions.

About LEARN

The Lonestar Education and Research Network (LEARN) is a non-profit collaboration of Texas higher education institutions that supports their research, education, health care and public service missions through the innovative development, operation and utilization of advanced statewide networking and access to global services and related services. LEARN enhances Texas’ research and economic competitiveness by providing state-of-the-art, cost-effective data communications that improve education.

Services
- Collocation services
- Dedicated WaveNet services
- FrameNet services

Contact LEARN
P.O. Box 16920
Lubbock, Texas 79490
Ph. 806-743-7878
Fax: 806-743-7775

Find LEARN online at http://www.tx-learn.net.

About TDL

The Texas Digital Library (TDL) is a multi-university consortium providing the digital infrastructure to support a fully online scholarly community for institutions of higher education in Texas. Through the establishment of shared policies and standards, forums for professional interaction, and robust technical services, the TDL increases the availability of the enormous intellectual capital of Texas universities and preserves it for future generations.

Services
- Institutional repositories
- Electronic Journals
- ETD Submission and Management software
- Blogs, wikis, and faculty homepages
- Online conference management tools

Contact the TDL
P.O. Box P
Austin, Texas 78713-8916
Ph. 512-495-4129
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Find the TDL online at http://www.tdl.org.

For more information about the TDL/LEARN partnership, please contact:

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LEARN – TDL Partnership

- Common Goals
- Similar Memberships
- We Need Each Other
- We Care About Texas
Questions?