



Digital Initiatives

Research & Technology

Overview

1. About DIRT
2. Texas A&M's IR
3. DIRT Projects
4. Texas Digital Library
5. TDL Projects
6. Open Repositories '07
7. Collaborations

About DIRT



Digital Initiatives Research & Technology

- ▶ DIRT versus Center for the Study of Digital Libraries (CSDL)
- ▶ CSDL is in Dept. of Computer Science, College of Eng.
- ▶ CSDL has a Single focus
 - Research (experimental)

Digital Initiatives Research & Technology

- ▶ Example CSDL research projects
 - Agent Frameworks for Digital Libraries
 - Patron-Augmented Digital Libraries
 - Collection Understanding

Digital Initiatives Research & Technology

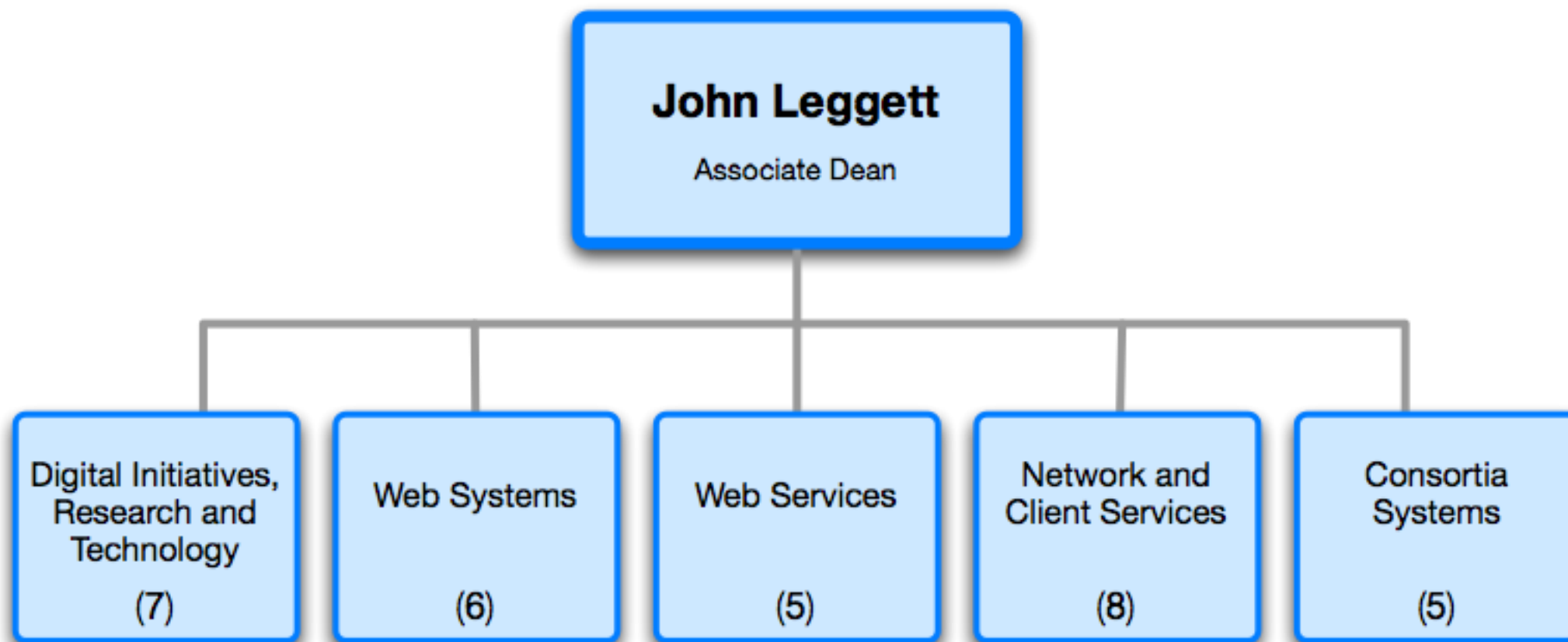
- ▶ DIRT is in the Library
- ▶ DIRT has a Dual focus
 - Research (experimental, applied)
 - Services

Digital Initiatives Research & Technology

- ▶ Example DIRT research projects
 - UI Frameworks for Open Source Repository systems
 - Very Large Digital Asset Management Systems
 - Digital Preservation Frameworks
 - Metadata Standards for Digital Collections

Digital Initiatives Research & Technology

- ▶ Example DIRT service projects
 - Electronic Theses and Dissertations
 - Faculty Archive Repository
 - Cushing Images
 - Colonial Mexican Imprints



Organization

Texas A&M's
Institutional Repository
(TxSpace)

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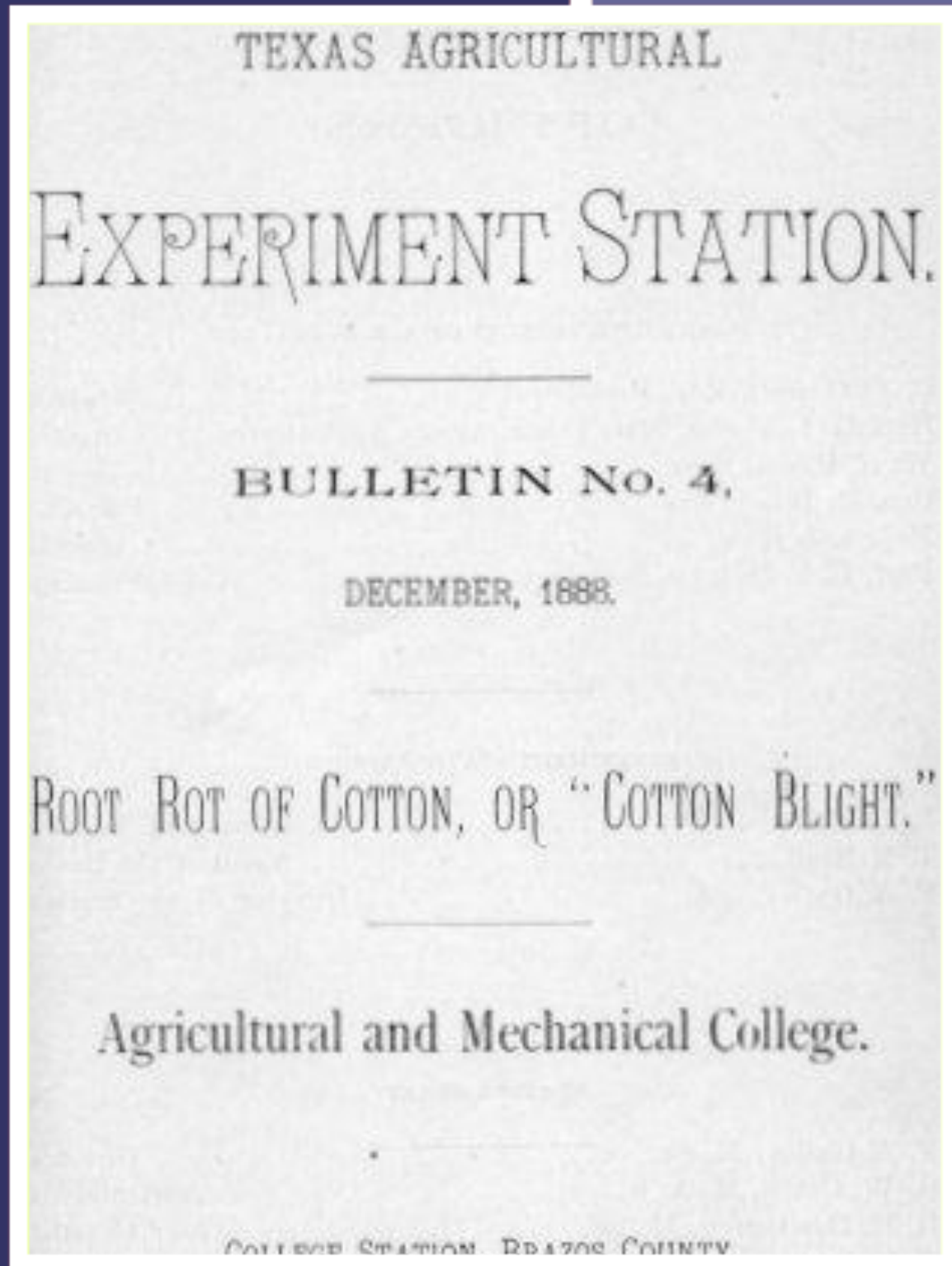
IR Infrastructure

- ▶ DSpace / Manakin
- ▶ Apache / Tomcat / Cocoon
- ▶ Sun Solaris

IR Collections

- ▶ Existing collections managed by users
- ▶ No advertising - growth entirely word-of-mouth

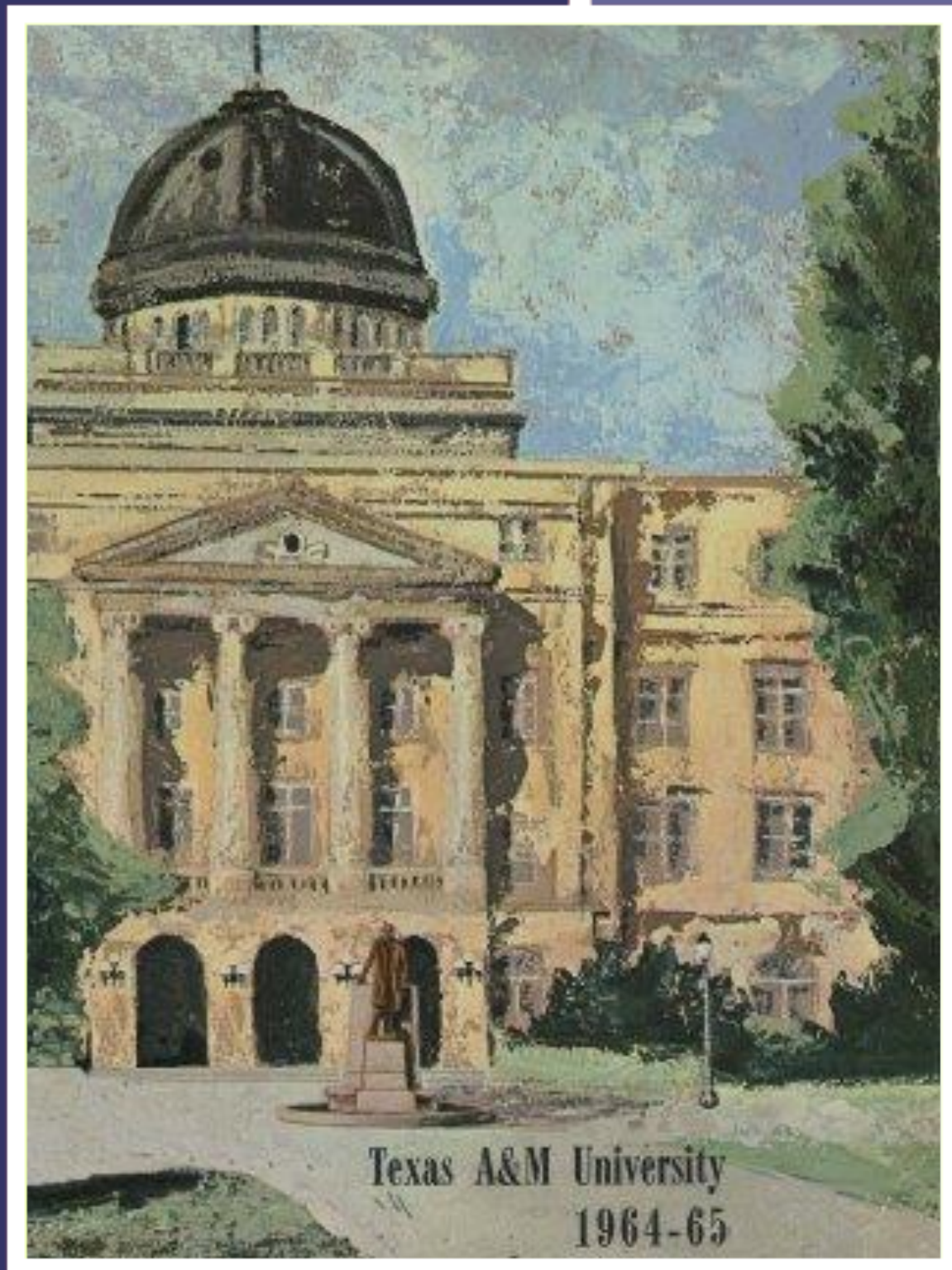
Texas Agricultural
Experiment Station
Bulletin



Wheelan Collection of Mexican Revolution Photographs

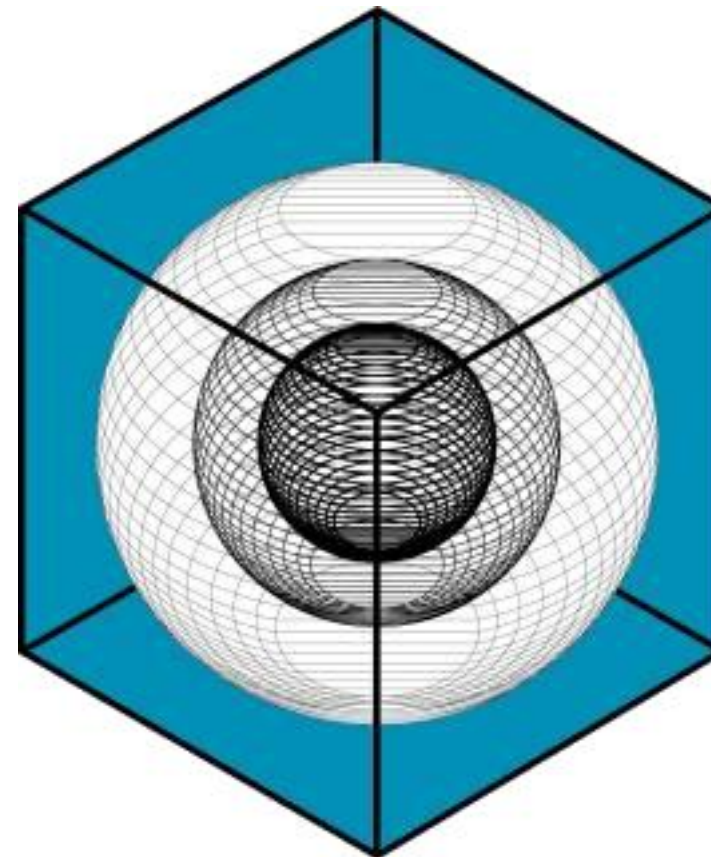


Historical Texas A&M University Catalogs



Energy Systems Laboratory Publications

Tech reports, articles, conference
proceedings, ETDs



Electronic Theses and Dissertations

Graduate and Undergraduate

COHERENT EFFECTS IN ATOMIC AND MOLECULAR MEDIA:
APPLICATIONS TO ANTHRAX DETECTION AND
QUANTUM INFORMATION

A Dissertation

by

ZOE-ELIZABETH SARIYANNI

Submitted to the Office of Graduate Studies of
Texas A&M University
in partial fulfillment of the requirements for the degree of

DOCTOR OF PHILOSOPHY

August 2006

Faculty Research Collections

Books, articles, preprints, manuscripts



DIRT Projects

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Manakin

A DSpace Project

What can Manakin do?

- ▶ Modify Look-and-Feel
- ▶ Brand Content
- ▶ Visualize Metadata
- ▶ Provide Modularity

Scholarly Publishing

Journal of Digital Information

- ▶ Peer-reviewed, electronic-only journal
- ▶ First published in 1997
- ▶ Collaboration with University of Southampton, Oxford University Press

Texas A&M Electronic Theses & Dissertations

ETD Process

Thesis Office

Submission
Review
Approval

TAMU IR

Ingest
QDC Metadata
OAI-PMH
Generate MARC

Library Cataloging

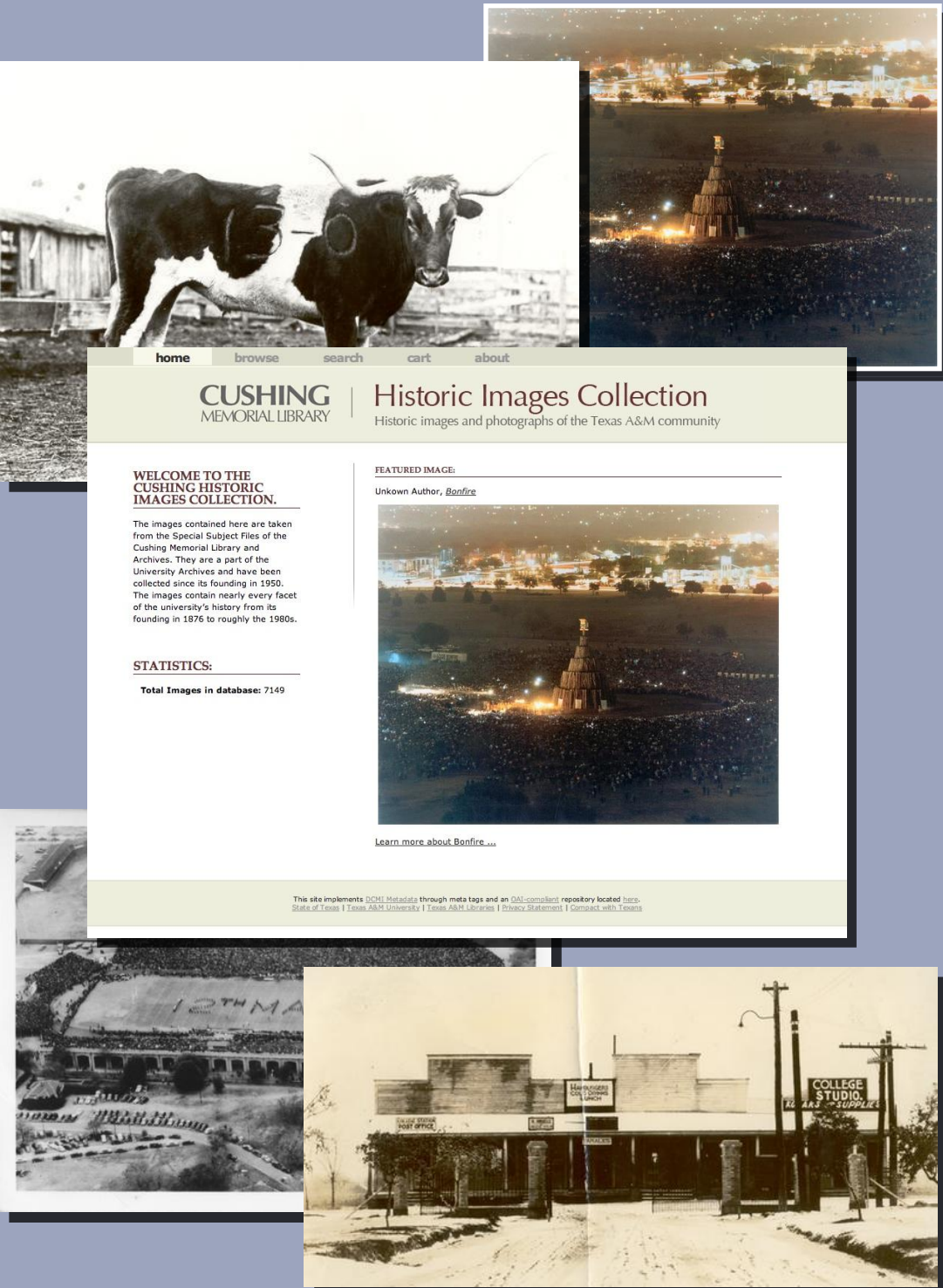
Review MARC records
Catalog record added
WorldCat records added

Batch
Ingest

ETD to
MARC

Cushing Images Project

Cushing Historic Images



home browse search cart about

CUSHING
MEMORIAL LIBRARY

Historic Images Collection
Historic images and photographs of the Texas A&M community

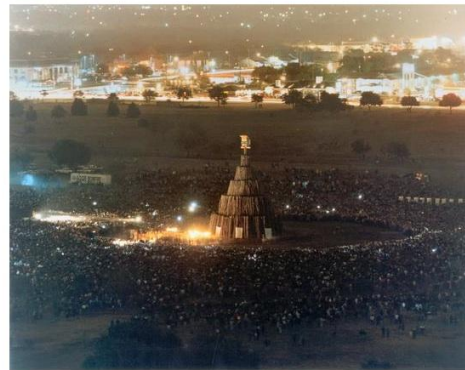
WELCOME TO THE CUSHING HISTORIC IMAGES COLLECTION.

The images contained here are taken from the Special Subject Files of the Cushing Memorial Library and Archives. They are a part of the University Archives and have been collected since its founding in 1950. The images contain nearly every facet of the university's history from its founding in 1876 to roughly the 1980s.

STATISTICS:

Total Images in database: 7149

FEATURED IMAGE:
Unknown Author, *Bonfire*



[Learn more about Bonfire...](#)

This site implements [DCMI Metadata](#) through meta tags and an [OAI-compliant](#) repository located [here](#).
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Geologic Atlas Project

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Geologic Atlas of the United States >

Please use this identifier to cite or link to this item: <http://handle.tamu.edu/1969.1/3691>

Title: Chicago folio, Riverside, Chicago, Desplaines, and Calumet quadrangles, Illinois-Indiana

Authors: Alden, William C. b. 1871 (William Clinton)

Issue Date: 1902

Publisher: Geological Survey (United States)

Series/Report no.: Geologic Atlas of the United States 81

Description: Chicago folio, Riverside, Chicago, Desplaines, and Calumet quadrangles, Illinois-Indiana

Gov't Doc # : I19.5/1:81

URI: <http://handle.tamu.edu/1969.1/3691>

Appears in Collections: [Geologic Atlas of the United States](#)

Files in This Item:

File	Description	Size	Format
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081page02.tif	300 ppi TIFF of page 2	105821Kb	TIFF View/Open
081page03.tif	300 ppi TIFF of page 3	105870Kb	TIFF View/Open
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081page29.tif	300 ppi TIFF of page 29	106379Kb	TIFF View/Open
GFolio081.pdf	PDF Version of Geologic Folio 81	166708Kb	Adobe PDF View/Open

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Hill, Robert Thomas, 1858-1941 (1902)
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- [Bradshaw Mountains folio, Arizona](#)
Jaggar, Jaggar, Thomas Augustus, 1871-1953 Palache, Charles, b. 1869. (1905)
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Diller, J. S. (Joseph Silas), b. 1850 (1901)
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Richardson, G. B. (George Burr), 1872-1949 (1909)
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Texas Digital Library

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**Access
layer**



www.tdl.org, Google, etc...

**Content
layer**



Faculty
Archives

Preprints,
Postprints,
Datasets

Electronic
Theses and
Dissertations

Technical
Reports

**Repository
layer**



Storage & Preservation Network

Service Layers

Architecture Layers



Services

Institutional Repositories
Learning Object Repositories
Scholarly publishing
Collection management
Preservation



Enablers

DSpace
Fedora
ADORE
SAKAI
Open Journal System
Eprints
Dpubs



Middleware

Shibboleth
OAI-PMH
Storage Resource Broker (SRB)
Preservation Software
Workflow
Directory Services



Network & Computing

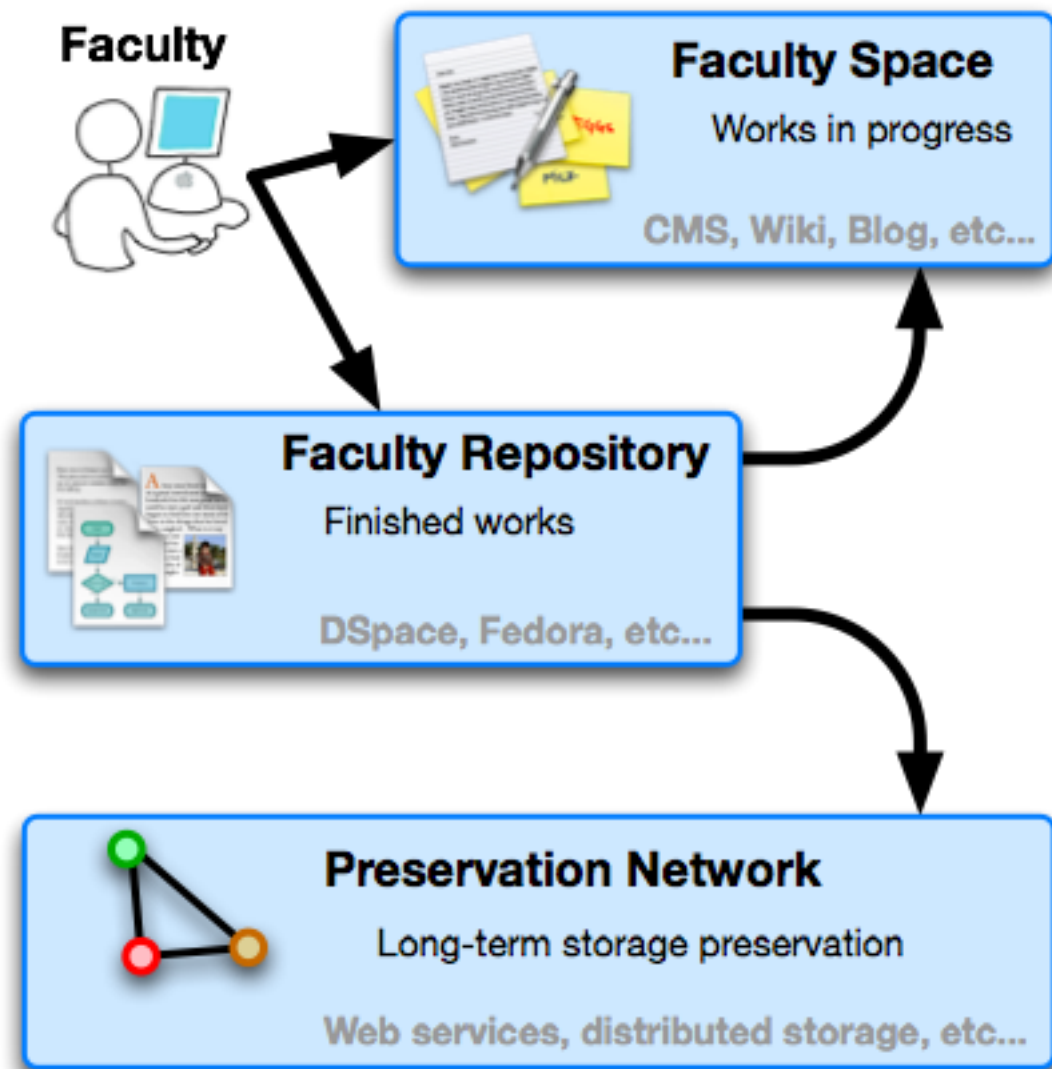
Internet / Internet 2
Tigre / Learn
Storage / Server Systems

Texas Digital Library Projects

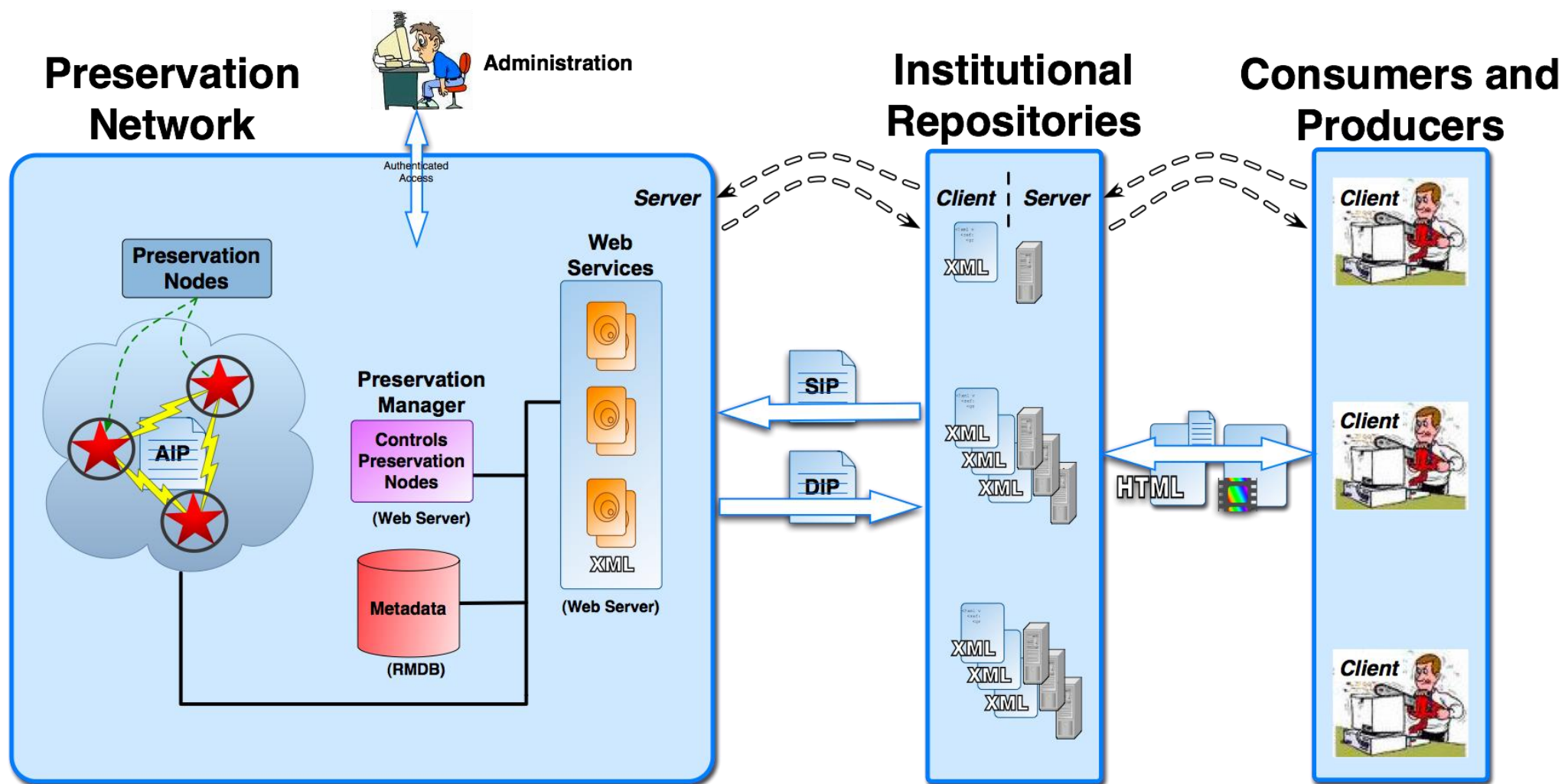
5

Faculty Archive Repository

Architectural Components




Preservation Network



Preservation Network

Common Submission System for ETDs

Submission Prototype

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Middle name	<input type="text"/>
Last name	<input type="text"/>
Suffix	<input type="text"/>
Citizenship	<input type="text"/>
Email	<input type="text"/>

Enter your name exactly as it appears on your title page. You may use Unicode characters, if your computer supports them.

Affiliation

School	<input type="text"/>
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Discipline	<input type="text"/>

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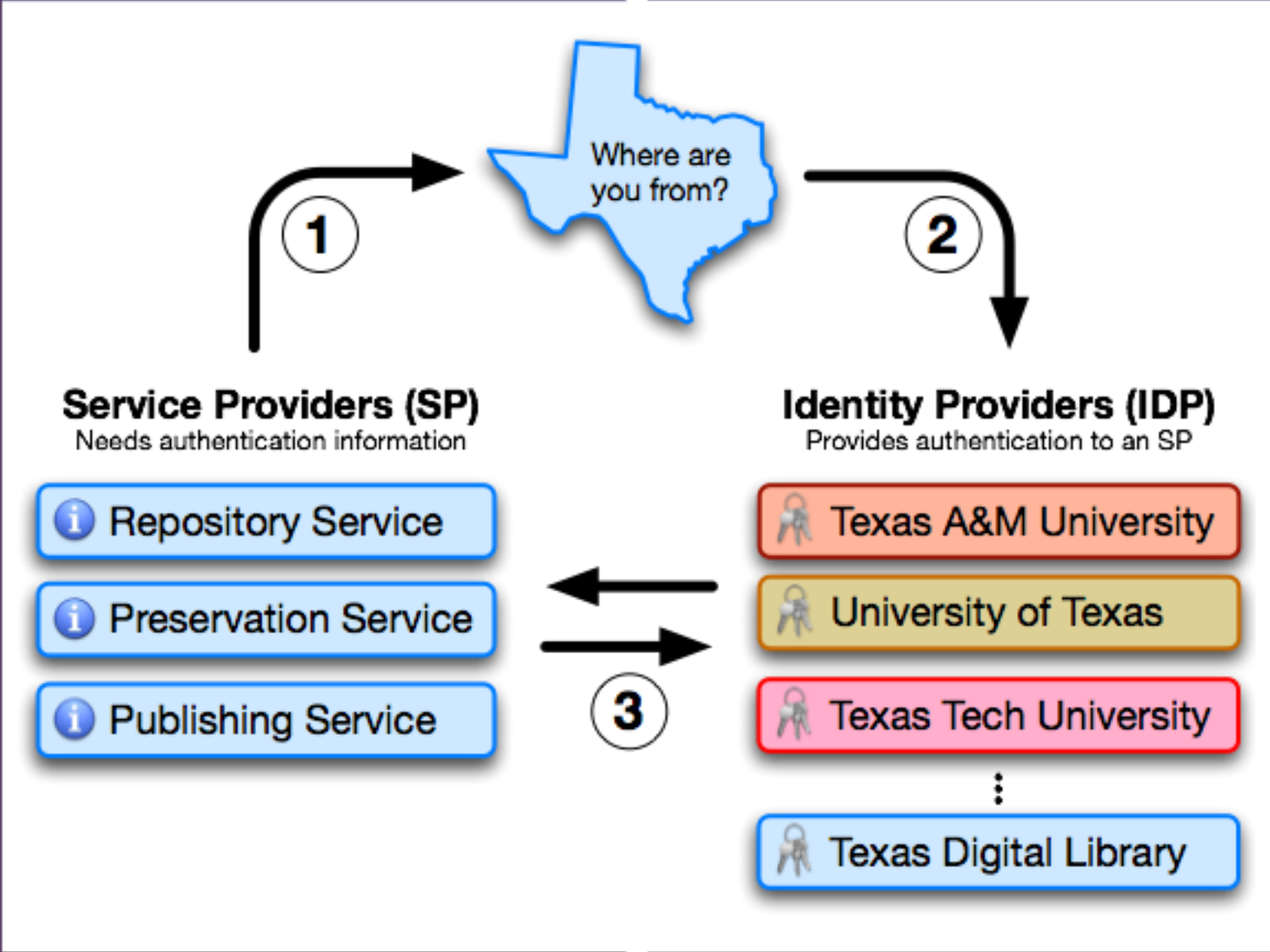
Phone & address

Current phone	<input type="text"/>
Current address	<input type="text"/>
Permanent Phone	<input type="text"/>
Permanent Address	<input type="text"/>

If your current address is not temporary, you may omit these fields.

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Shibboleth Federation



Application Service

Identity Provider Service

Open Repositories '07



Open Repositories 2007

- ▶ International conference on Open Repositories
- ▶ Started in 2006; hosted by Australia
- ▶ 2007 hosted by TAMU Libraries, UT Libraries, and TDL
- ▶ 2008 hosted by University of Southampton, England

Collaborations

7

Universidad de las Américas

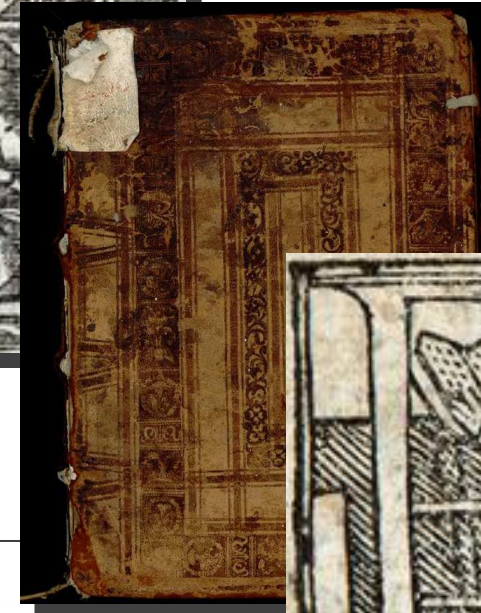
- ▶ Hosting mirrored collections using the *xmLibris* digital library application
- ▶ RABiD / OneDL

Benemérita Universidad Autónoma de Puebla

- ▶ La Biblioteca José María Lafragua
- ▶ Los Primeros Libros de las Américas (Mexican incunabula)
- ▶ Scanning of *Summa de los Sacramentos* by Bartolomé de Ledesma (Mexico: Antonio de Espinosa, 1566)

Los Primeros Libros de las Américas

A Digital Library of 16th Century Colonial Mexican Imprints



xmLibris 

xmLibris > TAMU > Los Primeros Libros de las Américas > LPLA_01

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b_00_00006-2

•Buscar

•Anotaciones



pequeño - normal - grande

xmLibris v 0.85 2006-04-01

Tecnológico de Monterrey

- ▶ Biblioteca Cervantina
- ▶ Colonial Mexican Sermons

Colonial Mexican Sermons

The New Spain Collection of
the Cushing Library and
Biblioteca Cervantina



Mexico City Center

- ▶ High resolution scanner for collaborative digitization projects

DIRT

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