



Energy Systems Laboratory: Building a Repository Collection and Planning for the Future

About the ESL

- ▶ Founded in 1939
- ▶ Consists of:
 - Eight Faculty
 - 120 Staff
 - Undergraduate and Graduate Students
- ▶ Research:
 - Energy Efficiency
 - Emissions Reduction
 - Texas Senate Bill 5
- ▶ Conferences:
 - ICEBO (International)
 - IETC (International)
 - Hot & Humid (National)
 - Clean Air (State)
- ▶ \$4.5 Million/year spent on research

Collection

- ▶ File Cabinet
- ▶ In-house numbering system
- ▶ Available upon request
- ▶ Consists of:
 - Technical Reports
 - Published Articles
 - Theses and Dissertations

Moving Online

- ▶ Decided to digitize in the fall of 2004
- ▶ Originally planned to build an in-house system
- ▶ Discovered the library's efforts to build an institutional repository
- ▶ Cost Analysis:
 - In-House:
 - ▶ \$1.78/pg
 - ▶ 2000 man-hours
 - ▶ 1 year to launch
 - Repository:
 - ▶ 57¢/pg
 - ▶ 100 man-hours
 - ▶ 2 months to launch

Building the Collection

- ▶ Technical Reports
 - Outsourced Scanning
- ▶ Theses and Dissertations
 - Historical
 - Mapping from ETDs
- ▶ Published Articles
 - Author Permission
 - Copyright
- ▶ Conference Proceedings
 - Batch Loading

Processes

- ▶ Documentation
 - Document Attributes
 - Permission Forms
 - Tracking Forms
- ▶ Student Workers
 - Scanning
 - Metadata
 - Upload to Repository
 - Train replacements
- ▶ Batch Loading
 - File structure created
 - Passed to DIRT

Challenges

- ▶ Dissolution of the Texas A&M Digital Library (scanning service)
- ▶ Student Worker Turnover
- ▶ Updates to DSpace
- ▶ Batch Loading
- ▶ Transition to Manakin
- ▶ Managing Copyright

The Result

- ▶ Self-Sustaining
- ▶ Diverse
- ▶ Large
- ▶ Rapidly Growing
- ▶ Model Collection

Future Direction

Video Interview w/ Dr. Haberl



Digital Initiatives

Research & Technology