Introduction to NDLTD and Brief History of the ETD Movement

ETD 2010: 13th Int. Symp. on ETDs Austin, TX: ETDs for Rookies

Edward A. Fox
Executive Director, NDLTD, www.ndltd.org

Virginia Tech, Blacksburg, VA 24061 USA
fox@vt.edu   http://fox.cs.vt.edu/talks/2010

Outline

- **Acknowledgements**

- Digital Libraries

- NDLTD

- Background for Future Work

- Summary

Acknowledgements

- All those working with ETDs

- NDLTD, including Board, Committees, and Members

- ETD 2010 Conference Team

- Sponsors

- Presenters, Attendees

Acknowledgements (2): Mtgs

- 1987 mtg in Ann Arbor: UMI, VT, …
- 1992 mtg in Washington: CNI, CGS, UMI, VT and 10 univ's
- 1993 mtg in Atlanta to start Monticello Electronic Library
- 1994 mtg at VT: std: PDF + SGML + multimedia objects
- 1996 mtg w. funding by SURA, US Dept. of Education(FIPSE)
- 1997 meetings in UK, Germany, ...
- 1998 – 1st symposium – Memphis (20)
- 1999 – 2nd symposium – Blacksburg (70)
- 2000 – 3rd symposium – St. Petersburg, FL (225)
- 2001 – 4th symposium – Caltech (200)
- 2002 – 5th symposium – BYU, Provo, Utah
- 2003 – 6th symposium – Berlin (215)
- 2004 – 7th symposium – U. Kentucky
- 2005 – 8th symposium – Sydney, Australia
- 2006 – 9th symposium – Quebec City, Canada
- 2007 – 10th symposium – Uppsala, Sweden
- 2008 – 11th symposium – Aberdeen, Scotland
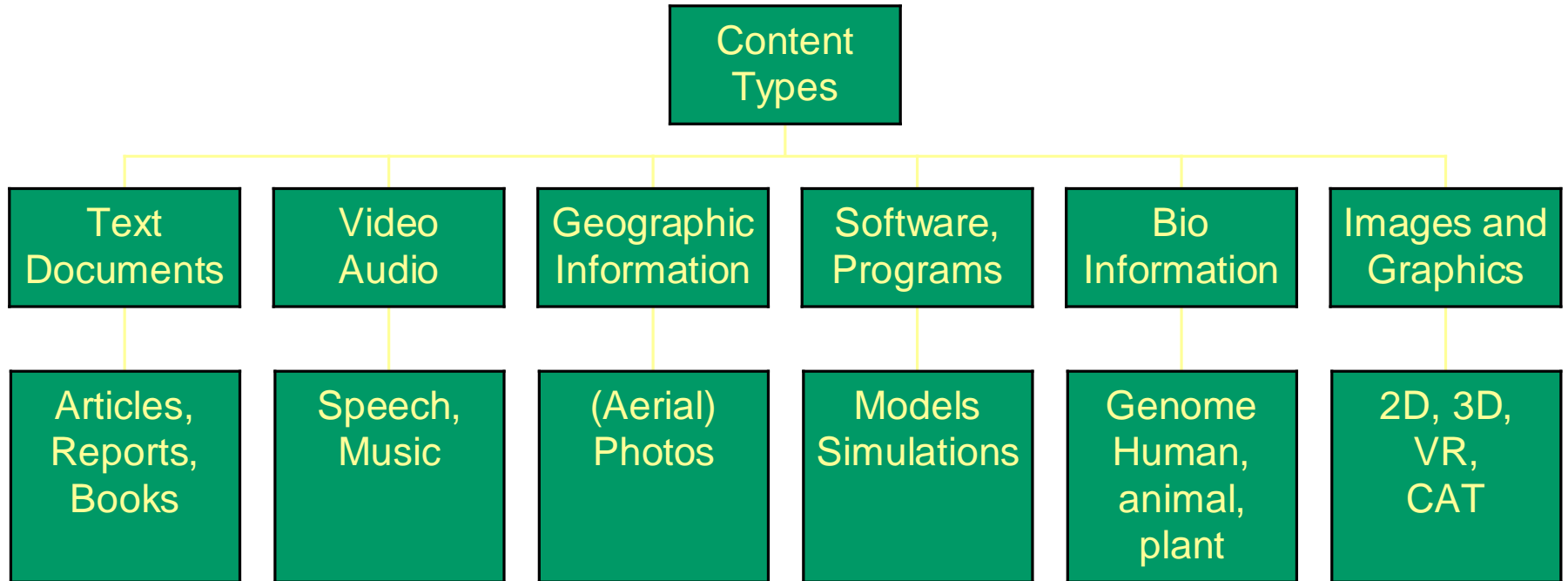- 2009 – 12th symposium – Pittsburgh, PA

Outline

- Acknowledgements

- **Digital Libraries**

  - **Including ePrints, DSpace, Fedora**

  - **Including (institutional) repositories**

  - **Incl. Content/Courseware Management Systems**

  - **Personal -> Group -> Publisher -> Global**

- NDLTD

- Background for Future Work

- Summary

Digital Libraries (DLs) -- Objectives

- World Lit.: 24hr / 7day / from desktop
- Ubiquitous
- Integrated "super" information systems
- Usable, Useful
- Higher Quality, Lower Cost
- Education, Knowledge Sharing, Discovery
- Disintermediation -> Collaboration
- Universities Reclaim Property
- Interactive Courseware, Student Works

Digital Library Content

```
                    ┌─────────────┐
                    │   Content   │
                    │    Types    │
                    └──────┬──────┘
```

Text Documents	Video Audio	Geographic Information	Software, Programs	Bio Information	Images and Graphics
Articles, Reports, Books	Speech, Music	(Aerial) Photos	Models Simulations	Genome Human, animal, plant	2D, 3D, VR, CAT

Outline

- Acknowledgements

- Digital Libraries

- **NDLTD**

- Background for Future Work

- Summary

NDLTD: www.ndltd.org

- N D Ltd or Noodle TD

- Vision: Every thesis and dissertation in the world is:

  – Devised to take advantage of the most helpful electronic publishing methods

  – Shared globally and easily found

  – Supported by a suite of digital library services to aid authors, researchers, learners, universities

  – Preserved and migrated permanently

What are we doing?

- Aiding universities to enhance graduate education, publishing, and Intellectual Property Rights efforts

- Helping improve the availability and content of theses and dissertations

- Educating ALL future scholars so they can publish electronically and effectively use digital libraries (i.e., are Information Literate and can be more expressive)

ELECTRONIC THESES AND DISSERTATIONS
A Sourcebook for Educators, Students, and Librarians

by

Edward Fox *Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA*
Shahrooz Feizabadi *Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA*
Joseph M. Moxley *University of South Florida, Tampa, Florida, USA*
Christian R. Weisser *Harriet L. Wilkes Honors College, Florida Atlantic University, Jupiter, Florida, USA*
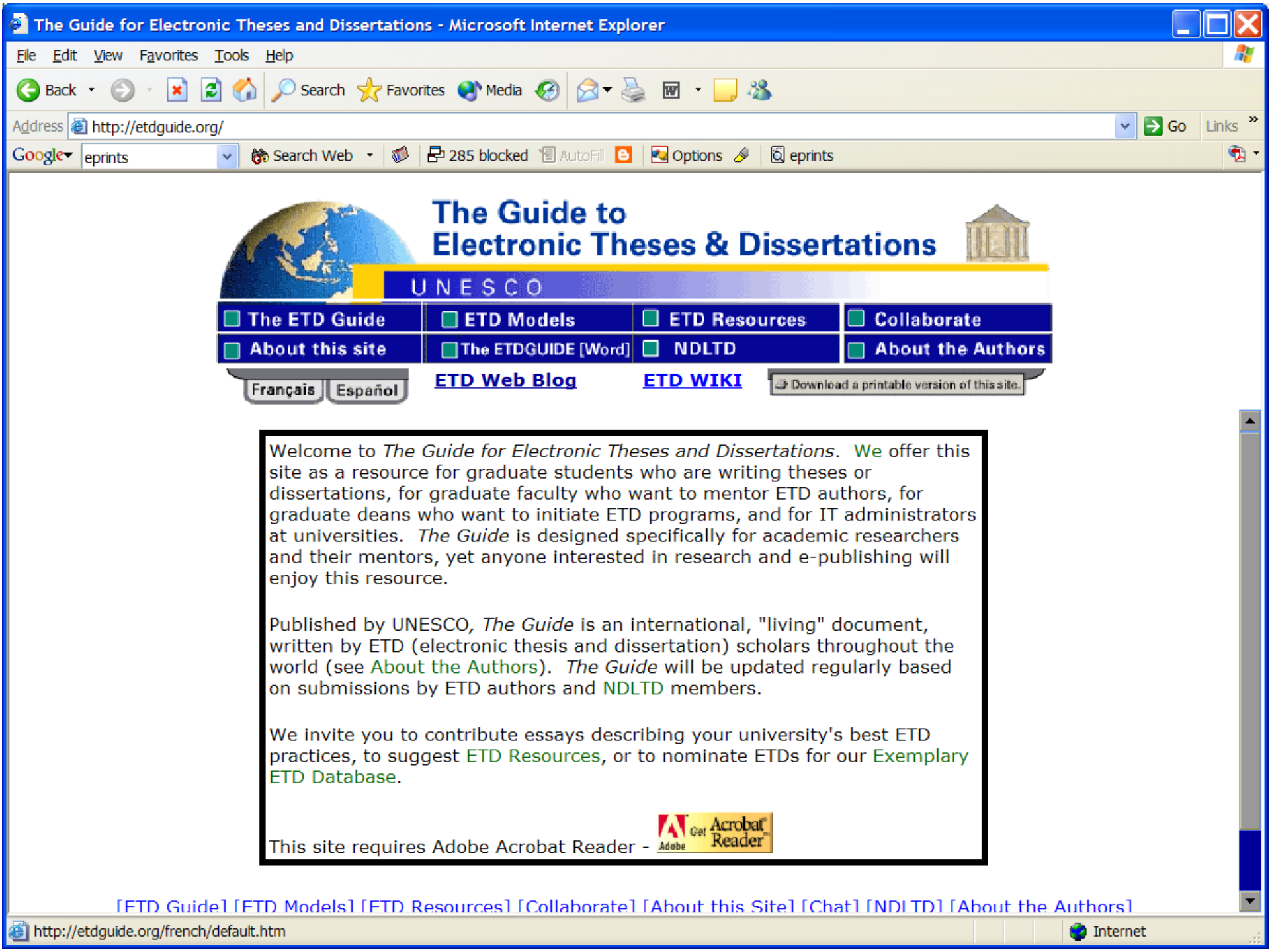
Examining how electronic publication of theses and dissertations may enhance graduate education, this text clarifies the composition, evaluation, dissemination, and preservation of electronic theses and dissertations (ETDs)—providing a conceptual framework for the development of effective ETD programs and identifying the main technical concerns related to the adoption of ETD initiatives. This volume contains answers, techniques, and methods that have proven effective in the longest-running library-group support effort for campus ETDs. Helping graduate students, research mentors, and librarians ease students through the transition from paper to electronic theses and dissertations, this text

➢ Addresses seven key questions that students often face when considering an ETD
➢ Studies how institutions are providing technical support and offering digitized versions of theses and dissertations
➢ Provides case study examples of how ETDs have evolved through the influence of new technologies and institutional efforts
➢ Analyzes currently utilized technologies for the publishing and maintenance of ETDs
➢ Examines strategies currently in use by universities for handling of copyright issues
➢ Discusses the best methods for cataloging ETDs to ensure that they can be easily found

Presenting studies by leading figures in the ETD community, *Electronic Theses and Dissertations* is a must-have guide for all

The Guide to Electronic Theses & Dissertations

U N E S C O

☐ The ETD Guide   ☐ ETD Models   ☐ ETD Resources   ☐ Collaborate
☐ About this site   ☐ The ETDGUIDE [Word]   ☐ NDLTD   ☐ About the Authors

Français   Español   **ETD Web Blog**   **ETD WIKI**   Download a printable version of this site.

Welcome to *The Guide for Electronic Theses and Dissertations*. We offer this site as a resource for graduate students who are writing theses or dissertations, for graduate faculty who want to mentor ETD authors, for graduate deans who want to initiate ETD programs, and for IT administrators at universities. *The Guide* is designed specifically for academic researchers and their mentors, yet anyone interested in research and e-publishing will enjoy this resource.

Published by UNESCO*, The Guide* is an international, "living" document, written by ETD (electronic thesis and dissertation) scholars throughout the world (see About the Authors). *The Guide* will be updated regularly based on submissions by ETD authors and NDLTD members.

We invite you to contribute essays describing your university's best ETD practices, to suggest ETD Resources, or to nominate ETDs for our Exemplary ETD Database.

This site requires Adobe Acrobat Reader - Get Acrobat Reader

[ETD Guide] [ETD Models] [ETD Resources] [Collaborate] [About this Site] [Chat] [NDLTD] [About the Authors]

NDLTD Incorporation

- Networked Digital Library of Theses and Dissertations incorporated May 20, 2003 in Virginia, USA

- Charitable and educational purposes (501 c 3)

- Officers (now)
  - Executive Director (Ed Fox)
  - Secretary (Gail McMillan)
  - Treasurer (Austin McLean)

Scirus ETD Search

This search service is provided courtesy of **Scirus**, based on data harvested from the Union Archive hosted by OCLC.

Basic Search

Query : [   ]   Search   powered by SCIRUS

Advanced Search

All of the words [   ] in The complete document
AND
All of the words [   ] in The complete document
AND
All of the words [   ] in The complete document

Only show results published between

1900 and 2012

Only show results in

- ☑ All subject areas
- ☐ Astronomy
- ☐ Earth and Planetary Sciences
- ☐ Engineering, Energy and Technology
- ☐ Languages and Linguistics
- ☐ Life Sciences
- ☐ Mathematics
- ☐ Neuroscience
- ☐ Physics
- ☐ Social and Behavioral Sciences

- ☐ Agriculture and Biological Sciences
- ☐ Chemistry and Chemical Engineering
- ☐ Economics, Business and Management
- ☐ Environmental Sciences
- ☐ Law
- ☐ Materials Sciences
- ☐ Medicine
- ☐ Pharmacology
- ☐ Psychology
- ☐ Sociology

Only search in the following collection

- ◉ ETDs
- ○ The Scholarly Web

Done   Internet

start   Your i-Hotel Portal...   Networked Digital...   fox   talks   todo - Notepad   IEEE-TCDL - Micro...   20060608ETDopen   Dell Media Experi...   2:46 AM
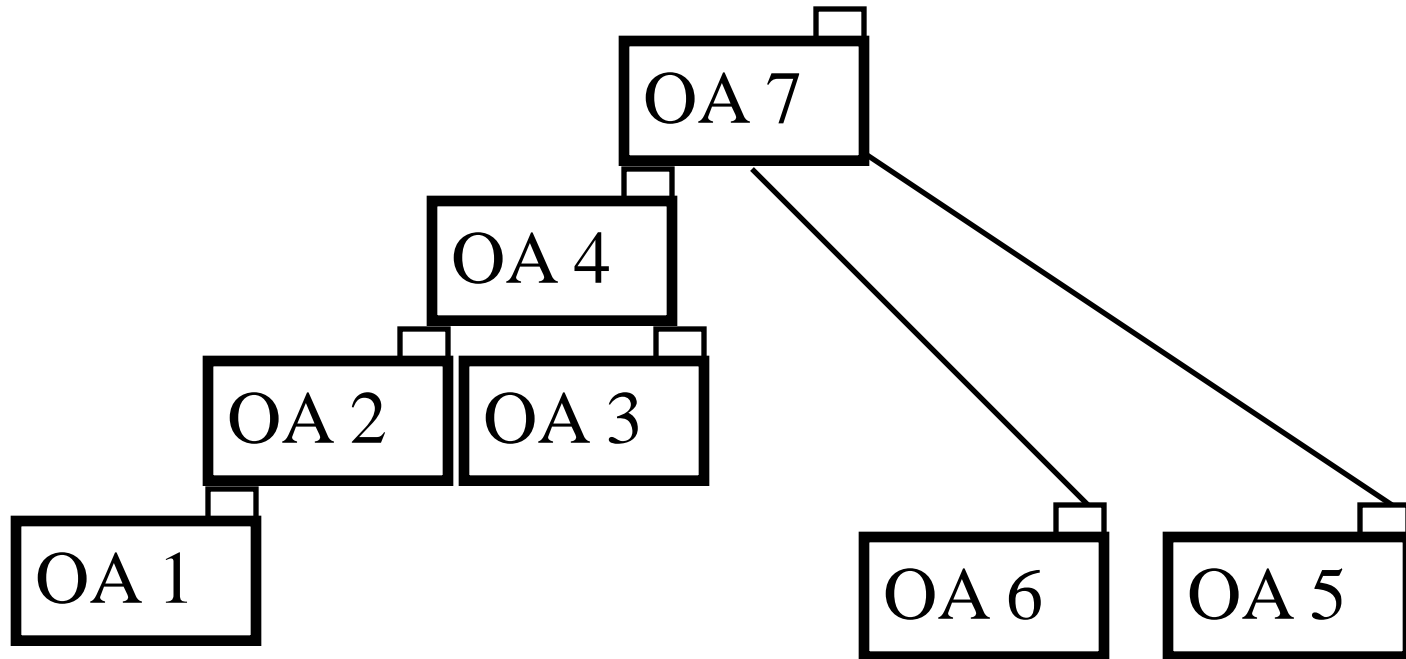
Outline

- Acknowledgements

- Digital Libraries

- NDLTD

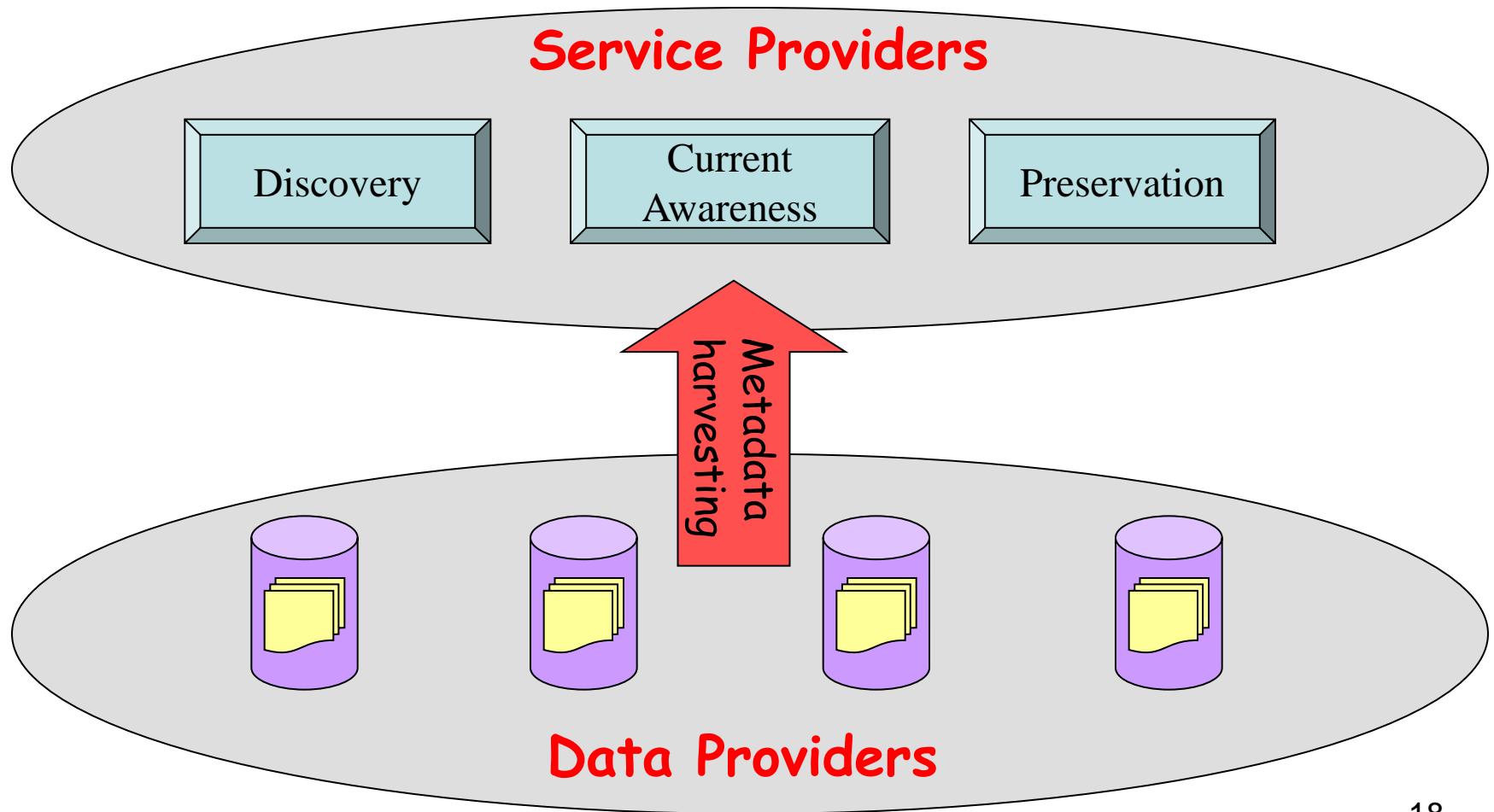- **Background for Future Work**

- Summary

Background for Future Work

- Electronic Publishing

- Computer Literacy/Fluency -> Computational Thinking

- Scholarly Communication

- Open Access

- Institutional Repositories

- Open Archives Initiative (OAI)

OAI – Black Box Perspective

The World According to OAI

Service Providers

| Discovery | Current Awareness | Preservation |

Metadata harvesting

Data Providers

18

Summary

- Acknowledgements

- Digital Libraries

- NDLTD

- Background for Future Work

Why ETD? Short Answer

- For Students:
  - Gain knowledge and skills for the Knowledge Society
  - Richer communication (digital information, multimedia, …)
- For Universities:
  - Easy way to enter the digital library field and benefit thereby ("no brainer" entrée into institutional repositories)
- For the World:
  - Global digital library – large, useful, many services
- General:
  - Save time and money
  - Increased visibility for all associated with research results

Questions?
Discussion?
Recommendations?

Thank You!

fox@vt.edu
http://fox.cs.vt.edu