ETD'2001, March 22, 2001, Caltech, Pasadena, CA Panel 1:

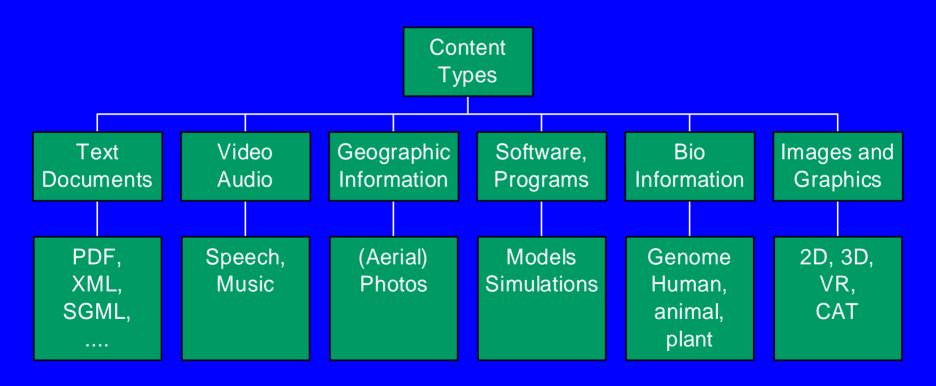
Developing the UNESCO International Guide for ETDs: A Multilingual Training Resource of Best Practices

"Parts 1 and 6"
Statement by

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Blacksburg, VA 24061 USA



Digital Library Content



The Networked Digital Library of Theses and Dissertations

www.NDLTD.org

Training Authors
Expanding Access
Preserving Knowledge
Improving Graduate Education
Enhancing Scholarly Communication
Empowering Students & Universities

Leader of the Worldwide ETD (Electronic Thesis and Dissertation) Initiative

A Digital Library Case Study

- **Domain:** graduate education, research
- Genre: ETDs = electronic theses & dissertations
- Submission:
 http://etd.vt.edu
- Collection:
 http://www.theses.org

Project:

Networked Digital Library of Theses & Dissertations

http://www.ndltd.org
(NDLTD - remember:

ND LTD / NDL TD)



Grad Program

Library

IT

Ed. (Tech)

What are the long term goals?

- Attract all TDs/yr: 50K D-US, 25K D-Germany, 10K TD-Canada, ...
- >200K/yr rich hypermedia ETDs that may turn into electronic portfolios (images, video, audio, ...)
- Dramatic increase in knowledge sharing: literature reviews, bibliographies, ...
- Services providing lifelong access for students: browse, search, prior searches, citation links
- Hundreds/thousands of downloads / year / work

ETD2001 - Caltech

- March 22, 2001
- Opening Plenary Panel
- Overview of ETD Guide
- Fox comments on sections 1 and 6

What led to today's meeting?

- ☞ 1987 mtg in Ann Arbor: UMI, VT, ...
- 1992 mtg in Washington: CNI, CGS, UMI, VT and 10 universities with 3 reps each
- 1993 mtg in Atlanta to start Monticello Electronic Library (MEL): SURA, SOLINET
- 1994 mtg in Blacksburg re ETD project: std of PDF + SGML + multimedia objects
- 1996 funding by SURA, US Dept. of Education (FIPSE) for regional, national projects
- 1997 meetings in UK, Germany, ...
- □ 1998 1st symposium Memphis (20)
- □ 1999 2nd symposium Blacksburg (70)

Responsibilities

- Handle local education and collection
 - Contact information for helpers
 - Archive (as an Open Archive Initiative site)
- Utilize standards
 - Metadata: MARC / DC-based consensus specification
- Share metadata
 - Union services, mirrored services worldwide
- Allow access
 - www.theses.org / www.dissertations.org
 - Open Archives Initiative (www.openarchives.org)

Access Possibilities







Web search engines

www. theses. org

www.
openarchives.
org

library catalog clients

3rd
Party
Services
(e.g.,
UMI)

Virginia MIT National
Tech Library of
Portugal

CBUC (Spain)

Ohio Link National Projects: AU, GE, ...

OhioLINK

- Statewide Consortium
- Represents 79 colleges, universities, libraries
- Public Universities
- Private Universities and Colleges
- 2-Year Colleges
- Only a few (e.g., Miami U. of Ohio) are also NDLTD members on their own

National / Regional Projects

Australia

- U. New South Wales (lead)
- U. of Melbourne
- U. of Queensland
- U. of Sydney
- Australian National U.
- Curtin U. of Technology
- Griffith U.

Germany

- Humboldt University (lead)
- 3 other universities
- 5 learned societies: Math,
 Physics, Chemistry,
 Sociology, Education
- 1 computing center
- 2 major libraries

- Consorci de Biblioteques Universitàries de Catalunya, as group, www.cbuc.es:
 - Universitat de Barcelona
 - Universitat Autonòma de Barcelona
 - Universitat Politècnica de Catalunya
 - Universitat Pompeu Fabra
 - Universitat de Girona
 - Universitat de Lleida
 - Universitat Rovira i Virgili
 - Universitat Oberta de Catalunya
 - Biblioteca de Catalunya
- South Africa: ECHEA/SEALS
- India, Portugal, ...

Other Countries with Members

- Belgium
- Brazil
- Canada
- Columbia
- Germany
- Hong Kong
- India
- Italy
- Korea
- Mexico

- Netherland
- Norway
- Russia
- Singapore
- S. Africa
- S. Korea
- Spain
- Sweden
- Taiwan
- **W** UK

DL Components

Gateways

User Interfaces

MM/ HT Renderer

Workflow Mgr

Search Engines, Classifiers, ...

DBMS

Rights Mgr

Data, MM Info

Repository

Open Archives Initiative OAI www.openarchives.org

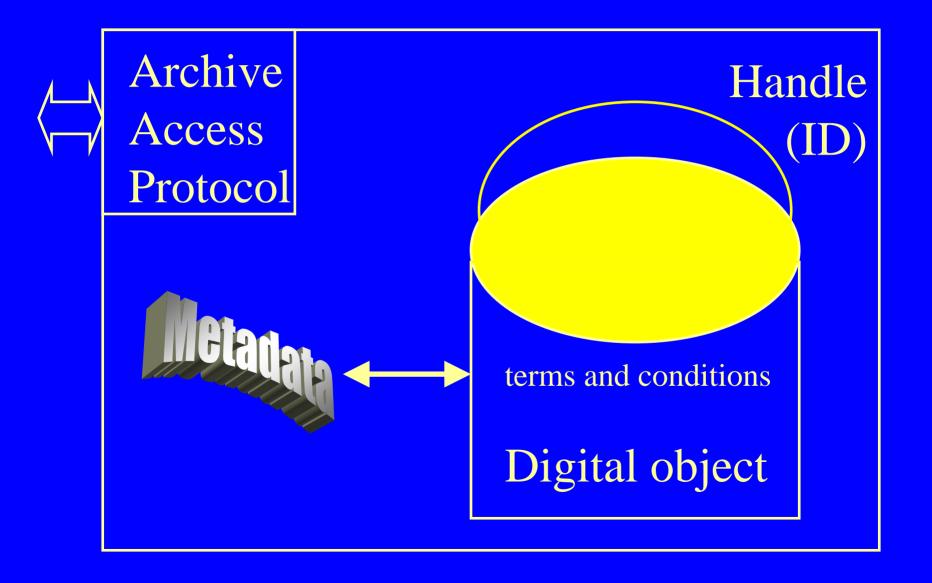


openarchives@openarchives.org

OAi Philosophy

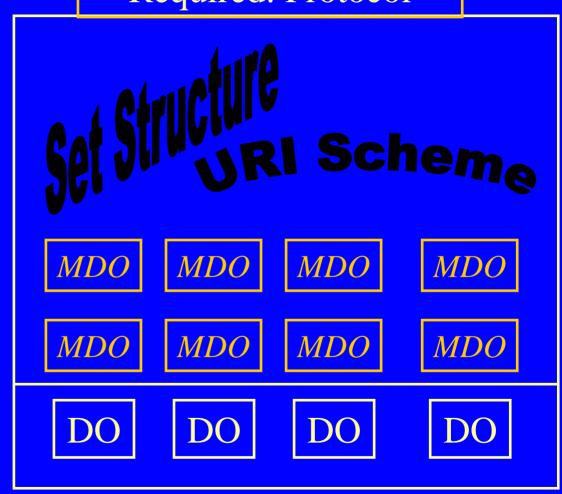
- Self-archiving = submission mechanism
- Long-term storage system = archive
- Open interface = harvesting mechanism
- Data provider + service provider
- Start with "gray literature"
 - -e-prints/pre-prints, reports, dissertations, ...

Archive of Digital Objects



OAI – Repository Perspective

Required: Protocol

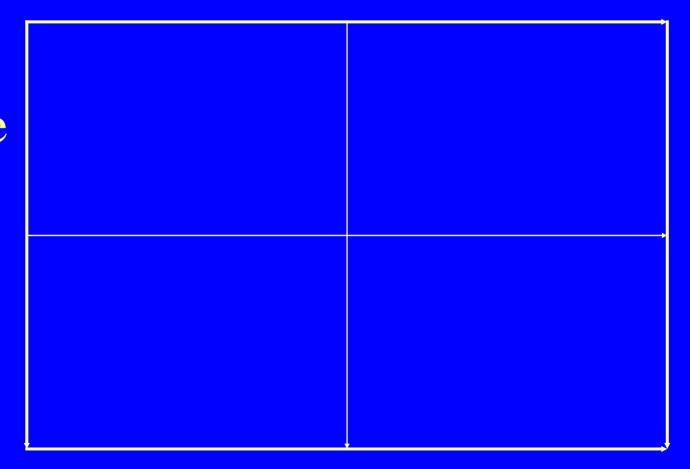


Required: DC

Approaches to Open Archives

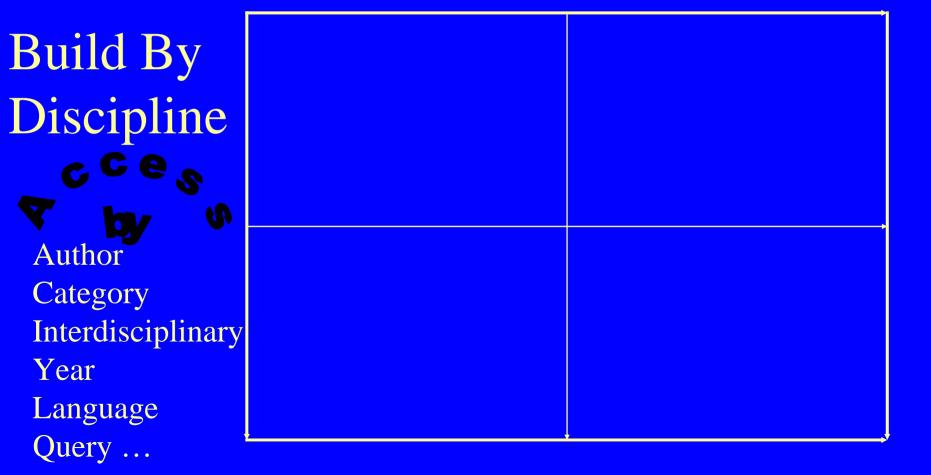
Build By Institution

Build By
Discipline

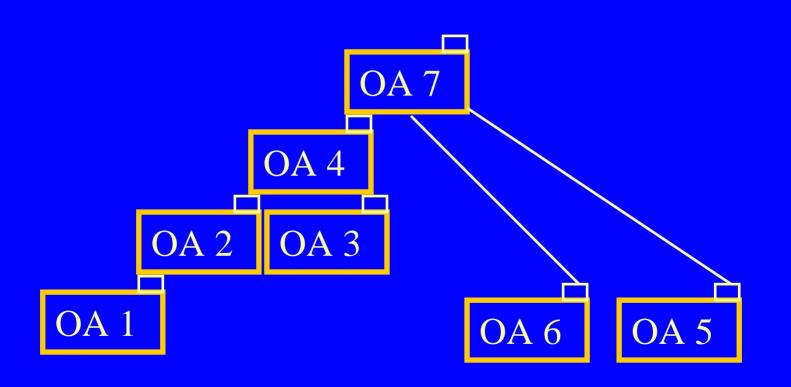


Approaches to Open Archives

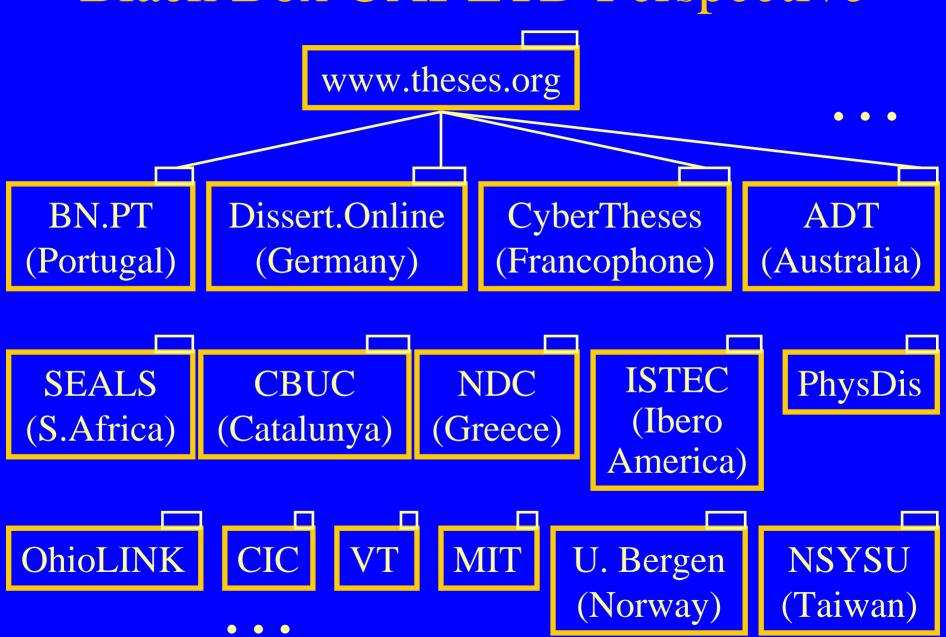
Build By Institution



OAI – Black Box Perspective



Black Box OAI-ETD Perspective



OAI – Black Box Perspective



