Metadata Standards for ETDs

A primer for ETD rookies
Types of Standards

- ETD-MS
- Dublin Core
- MARC
- XML
- Custom/Hybrid
ETD-MS

Prescriptive standards of interoperability covering

• Authorities
  – institutional identifier

• Metadata Elements
  – dc

• Global Qualifiers
  – language, translation, subject scheme

• Encodings and Crosswalks
  – MARC, XML

http://www.ndltd.org/standards/metadata/etd-ms-v1.00-rev2.html
Dublin Core

Metadata Elements

- 3.1 dc.title
- 3.2 dc.creator
- 3.3 dc.subject
- 3.4 dc.description
- 3.5 dc.publisher
- 3.6 dc.contributor
- 3.7 dc.date
- 3.8 dc.type
- 3.9 dc.format
- 3.10 dc.identifier
- 3.11 dc.language
- 3.12 dc.coverage
- 3.13 dc.rights
- 3.14 thesis.degree
Both `title.alternative` and MARC 246 are used for truly divergent titles. Mere translations are dealt with differently.

Translations (neither alternative nor parallel titles) should be encoded in 242 fields. Parallel titles (as when an ETD is submitted in both English and German) are encoded in XML ETD-MS using two `<title>` elements with different XML:LANG qualifiers, and in MARC-21 using a single 245a subfield with the format `<primary language title> = <secondary language title>`.

"Creator" is always a person in ETD-MS, although not in general Dublin Core; thus it requires a x00 field, in this case 100.

Since \a subfields are not generally repeatable in 6xx fields, we recommend that separate `<subject>` tags be mapped to & from separate 653 fields.

This dissertation examines four issues, including: (a) whether outdoor recreation experiences not included in the Recreation Experience Preference (REP) scales exist; (b) whether these experiences can be categorized using a framework called the
<oai_marc xmlns="http://www.openarchives.org/OAI/1.1/oai_marc" xsi:schemaLocation="http://www.openarchives.org/OAI/1.1/oai_marc http://www.openarchives.org/OAI/1.1/oai_marc.xsd" status="n" type="t" level="m" encLvl="u" catForm="u">
  <fixfield id="008"> " s1997 vau| sm 00| 0|eng d" </fixfield>
  <varfield i1=" " i2=" " id="035"> <subfield label="a"> (VPI) etd-3345131939761081 </subfield> </varfield> <varfield i1="0" i2="0" id="245"> <subfield label="a"> Conceptual Development and Empirical Testing of an Outdoor Recreation Experience Model: The Recreation Experience Matrix (REM) </subfield> </varfield>
  <varfield i1=" " i2=" " id="256"> Walker, Gordon James </varfield> <varfield i1=" " i2=" " id="100"> <subfield label="a"> Walker, Gordon James </subfield> </varfield>
</oai_marc>
Bringing down the mountains: the impact of mountaintop removal surface coal mining on southern West Virginia communities, 1970-2004

Bibliographic Record
000 01619cam a2200361i 4500
001 1229839
005 20080326102849.0
006 m d s
007 cr mn---------
008 050621s2005 wvu bm s000 0 eng d
035 |a (OCoLC)ocm60695171
040 |a WVU |c WVU
043 |a n-us-wv
049 |a WVUA
099 |a Electronic |a Thesis |a 2005 |a Burns, S.
1001 |a Burns, Shirley Stewart.
24630 |a Impact of mountaintop removal surface coal mining on southern West Virginia communities, 1970-2004
500 |a Document formatted into pages; contains x, 232 p. : ill. (some col.), maps.
500 |a Includes abstract.
502 |a Thesis (Ph. D.)--West Virginia University, 2005.
504 |a Includes bibliographical references (p. 210-225).
530 |a WVU users: Also available in print for a fee.
538 |a System requirements: World Wide Web browser and PDF reader.
538 |a Mode of access: Available through the Internet.
650.0 |a Mountaintop removal mining |z West Virginia.
650.0 |a Strip mining |z West Virginia.
650.0 |a Coal trade |z West Virginia.
7102 |a West Virginia University. |l Theses. History.
85640 |u https://etd.wvu.edu/etd/controller.jsp?moduleName=documentdata&jsp%5FetdId=4047
994 |a C0 |b WVU
Output from MARC for catalog entry

- **Bringing down the mountains the impact of mountaintop removal surface coal mining on southern West Virginia communities, 1970-2004**
- **Bibliographic Record Display**
  - **Title:**
  - **Author:**
    - Burns, Shirley Stewart.
  - **Other Author(s):**
    - West Virginia University. Theses. History.
  - **Publisher:**
  - **Format:**
    - Book
  - **Subjects:**
    - Mountaintop removal mining--West Virginia.
    - Strip mining--West Virginia.
    - Coal trade--West Virginia.
  - **Database**
    - West Virginia University
  - **Notes:**
    - Title from document title page.
    - Document formatted into pages; contains x, 232 p. : ill. (some col.), maps.
    - Includes abstract.
    - Thesis (Ph. D.)--West Virginia University, 2005.
    - Includes bibliographical references (p. 210-225).
    - WVU users: Also available in print for a fee.
    - System requirements: World Wide Web browser and PDF reader.
    - Mode of access: Available through the Internet.
Custom / Hybrid

**Bookmark** http://hdl.handle.net/10450/4047  
**Author** Burns, Shirley Stewart.  
**Imprint** West Virginia University Libraries, Morgantown, W. Va.  
**Publication Date** 2005  
**Abstract** While surface mining began in West Virginia during WWI, the practice did not expand until WWII...  
**Subject** Mountaintop removal mining--West Virginia.Strip mining--West Virginia.Coal trade--West Virginia.  
**Keywords** mountaintop removal; strip mining; surface mining; coal mining; coal  
**Document Type** Dissertation  
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**Degree Program** Ph.D. History  
**Degree Type** Doctor of Philosophy  
**Submission Semester** Summer 2005  
**Committee Chair** Lewis, Ronald L  
**Committee Members** Fones-Wolf, Elizabeth A; Good, Gregory A; Hennen, John; Lohmann, Roger A  
**Defense Date** 13-06-05  
**Date Approved** 20-06-05
Object: PDF Document (1 M)

RD Record number: 000004335

Bookmark: http://hdl.handle.net/10460/4047

Author: Burns, Shirley Stewart

Title: Bringing down the mountains [electronic resource]: the impact of mountaintop removal surface coal mining on southern West Virginia communities, 1970-2004 / Shirley L. Stewart Burns.

Alternate Title: Bringing Down the Mountains: the Impact of Mountaintop Removal Surface Coal Mining on Southern West Virginia Communities, 1970-2004


Publication Date: 2005

Abstract:
While surface mining began in West Virginia during WWI, the practice did not expand until WWII. Used to fuel the war effort, surface mining would become the industry-preferred means of mining coal and gained a permanent place in West Virginia's coal mining industry. Mountaintop removal surface coal mining began on Fayette County, West Virginia's, Bullpush Mountain in 1970. An extreme version of stripmining, during mountaintop removal the tops of mountains are removed via blasting in order to reveal the coal seams below. The last thirty-four years has seen an escalation in this mining method from forty-four permits covering 9,600 acres throughout the 1980s to the granting of permits covering 12,540 acres in a nine-month period in 2002 alone. This increase in mountaintop removal has impacted southern West Virginia not only environmentally, but socially and culturally as well. The introduction of 20-story draglines in the 1980s allowed for the swifter removal of coal by mountaintop removal. The process enabled a great expansion during the 1980s after the Federal Clean Air Act was amended to include a more stringent emissions standard. This increased the demand for southern West Virginia's...
Importance of Standards

• Interoperability between systems within in institution and among all external systems

• Creates ability to harvest holdings information via Web Crawlers to find ETD holdings worldwide
  – Examples
    • NDLTD Union Catalog
    • Global ETD Search
Don’t leave your scholars in the dark!
Common standards = interoperability

Vision of the Networked Digital Library of Theses & Dissertations
Adherence to standards means…

You’ll have the world in the palm of your hands!
Questions?

Presented by John Hagen, Consultant - Renaissance Scholarly Communications

USETDA 2016 Conference / “ETDs for Beginners” Workshop

26 September, 2016, Columbus, Ohio

For more information visit

http://www.ndltd.org/documentation