

Indexing for an Audience: Where You'll Find New Opportunities

Lynda Moulton, *LWM Technology Services* at
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Topics

- ❑ Examples of Electronic Indexes
- ❑ For What?
- ❑ Technologies used to build them
- ❑ What and why taxonomies?
- ❑ Other tools and resources used to build taxonomies
- ❑ Competencies required
- ❑ Team tensions and challenges
- ❑ Job postings

Examples of Electronic Indexes

Government: fistgov.gov, [PubMed](#), [Herbs at a Glance](#), [DOE](#),
Defense Technical Information Center ([DTIC](#))

Libraries: [Structured search](#) – Specified Fields; Directory of
<http://www.publiclibraries.com/>

Academic: [MIT](#), [Harvard Business School](#)

Directories: [Thomas Register](#), Encyclopedia of Associations

E-commerce: [Computer Equipment](#), [Automobiles](#), [Clothing](#),
[Florists](#),

Publishers: [Oxford Univ. Press](#) [Information Week](#)

Specialized Indexes: Chemical Abstracts, MITRE, Raytheon,
Lincoln Laboratory, Air Products, DuPont, Johnson &
Johnson

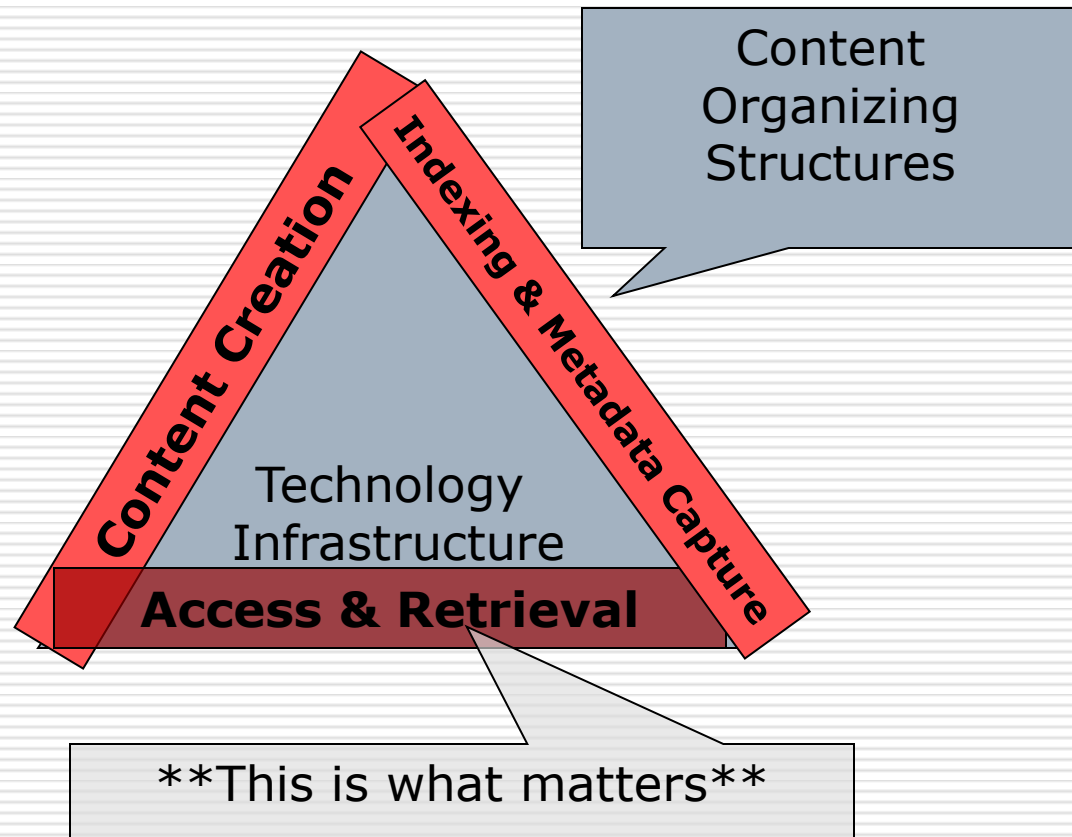
For What do we Build Electronic Indexes?

- ❑ To facilitate search - speed, ease of use
- ❑ To provide contextual frameworks for the content
- ❑ To define the scope of a content repository

Some Search Jargon

- Structured search
- Free text search
- Structured with authority control
- Federated search
- Semantic search
- Embedded search
- Indexing
- Metadata
- Tagging
- Spidering/Crawling
- Categorization (auto)
- Keyword
- Phrase
- Date
- Numeric
- Controlled vocabulary
- Thesaurus
- Taxonomy
- Ontology

Search - Indexing Connection



Technologies Used to Build Electronic Indexes

- ❑ Custom systems
- ❑ Software applications with Embedded search (e.g. Quicken, email, Explorer)
- ❑ Library systems
- ❑ Content Management Systems
- ❑ Search engines
- ❑ Document management systems
- ❑ Text mining software
- ❑ Controlled vocabulary builders

What and why taxonomies?

- Control and Uniformity
- Quality Assurance
- Confidence Building
- Navigation
- Definition
- Cross-references
- Terminology relationships

Other tools and resources used to build taxonomies

- [MultiTes](#)
- Synaptica
- Star
- Terabase
- WordMap
- Subject Matter Experts
- Search logs
- Published Glossaries
- Published thesauri
- Published specialized indexes
- Directories in print and on the Web
- Examples of indexes similar to what you need to build

UNDER THE HOOD 

Work Area Form for Metadata Update in a Typical Piece of Content in the Ektron System

ektron CMS400.net Workarea

Edit Content in Folder "Sonar"

Title: Sonar [English (U.S.)]

Content Summary Metadata Alias Schedule Comment Web Alerts Templates

keywords:

Not Included:

- 3d visualization
- cell processor
- digital image processing
- digital imaging
- digital signal processing
- DSP
- Embedded Computing

Included:

- sonar
- towed array
- sonar buoy
- sonar-buoy
- low frequency
- navy
- naval

Text: Add Remove All

description:

Sonar systems use acoustic energy to detect objects of interest in water, such as submarines, surface ships, and ocean topography.

Default current character count: 159 (500 max.)

title:

Sonar

Default current character count: 5 (500 max.)

Featured News: (Content)

New Cooling Infrastructure for Deployed Military Environments (ID: 2212)
[Change](#) [Clear](#)

Featured Press Release: (Content)

Mercury Computer Systems Is Named Market Leader in Embedded Defense Electronics (ID: 2052)
[Change](#) [Clear](#)

Featured Event: (Content)

2007-03-12 Components for Military & Space Electronics (CMSE) (ID: 1002)
[Change](#) [Clear](#)

Featured Literature: (Content)

Cell Technology Evaluation System (ID: 1830)
[Change](#) [Clear](#)

Featured Webcast: (Content)

None selected

Sonar
 towed array
 sonar buoy
 sonar-buoy
 low frequency
 navy
 naval
 submarine
 signal processing
 image processing
 FFT
 defense electronics
 multiprocessor
 RapidIO
 VME
 Embedded
 Rugged
 conduction cooled
 conduction cooling
 beamforming
 COTS
 Scalability
 corner turn
 multicomputer
 real time
 switch fabric
 algorithm
 bandwidth
 multi-processor
 multi-computer

Sample Form in a Stellent CMS for Updating Metadata

Content ID	Substring	<input type="text"/>	
Title	Substring	<input type="text"/>	
Type	Substring	<input type="text"/>	<input type="text"/>
Security Group	Substring	<input type="text"/>	<input type="text"/>
Project ID	Substring	<input type="text"/>	<input type="text"/>
Submitter	Substring	<input type="text"/>	
Release Date (mm/dd/yyyy)	From	<input type="text"/>	To <input type="text"/> (end date + 1 day)
Expiration Date (mm/dd/yyyy)	From	<input type="text"/>	To <input type="text"/> (end date + 1 day)
Folder		<input type="text"/>	<input type="button" value="Browse..."/>
Announcement	Substring	<input type="text"/>	<input type="text"/>
Revision Notes	Substring	<input type="text"/>	
Author(s)	Substring	<input type="text"/>	
Resource Type	Substring	<input type="text"/>	<input type="text"/>
Document Date (mm/dd/yyyy)	From	<input type="text"/>	To <input type="text"/> (end date + 1 day)
Program Number	Substring	<input type="text"/>	
Sponsor(s)	Substring	<input type="text"/>	
Audience	Substring	<input type="text"/>	
Notes/Abstract	Substring	<input type="text"/>	
Subject Terms	Substring	<input type="text"/>	
Report Number(s)	Substring	<input type="text"/>	
Performing Organization(s)	Substring	<input type="text"/>	
Distribution Rights	Substring	<input type="text"/>	<input type="text"/>
Display as Alert	Substring	<input type="text"/>	<input type="text"/>
Alert Text	Substring	<input type="text"/>	
User Access List	Substring	<input type="text"/>	

- Radar
 - BT: Aerospace and defense
 - NT: Emerging platforms
 - Ground radar
 - Large airborne radar
 - Naval surface radar
 - Tactical airborne radar
- Radar characteristics
- Radar components
- Radar platforms
 - NT: Airborne radar
 - Space-based radar
 - Surface-based radar
- Radar types
 - NT: AMTI
 - ASPARCS
 - GMTI
 - ISAR
 - PAR-2000
 - PAVE PAWS
 - ROTHR
 - SAR
 - STAP

Library System Cataloging

Main	1 Numbers	2 Indexed	3 Abstract	4 Optional	5 Holdings
Indexed Fields					
Additional titles:			Subjects:		
<input type="text"/>			<input type="text" value="Atomic energy Geothermal energy Energy produ"/>		
Personal names:			Corporate names:		
<input type="text"/>			<input type="text"/>		
Series/Conferences			Check authority n		

subject consult

energy

29 records found

Consult list

- [Atomic energy](#)
- [Electrochemical energy](#)
- Energy**
- [Energy conservation](#)
- [Energy conservation \(Commercial\)](#)
- [Energy conservation \(Industrial\)](#)
- [Energy conservation \(Residential\)](#)
- [Energy development](#)
- [Energy forms \(Alternative\)](#)

Relationships

- 001 BT Physics
- 001 NT Wind power
 - 002 NT Wind powered generators
- 001 NT Ocean energy
- 001 NT Electric power
 - 002 NT Nuclear power
 - 002 NT Electric power plants
 - 003 NT Electric power plants (Coal)
- 001 NT Electrochemical energy
 - 002 NT Electric batteries

Competencies required

- Focus
 - Communication skills
 - Research skills
 - Flexibility
 - Practicality
 - Collaborative skills/teamwork
 - Subject matter understanding
 - Experience as a searcher
-

Team tensions and challenges

- Establishing Goals
 - Recognition of Constraints (Budgets, Tools, People, Time)
 - Meeting schedules
 - Roles
 - Expertise
 - Change management
 - Expectation Management
 - Managing the unplanned and unexpected
 - Understanding what is appropriate - when is it good enough
 - Communication breakdowns
-

Job postings

- [Boston KM Forum](#)
- [Boston Chapter SLA](#)
- [AIIM](#)
- [ASIST](#)
- Companies: Publishers, E-Commerce heavy-weights, Web site consulting firms

THANK YOU FOR LISTENING AND LEARNING

THE END

Contact: lmoulton@lwmtechnology.com

For additional articles related to the topics presented please see:

[NEASI-03242007.PDF](#)