

Foundations Project Annotated Bibliographies

located at <http://bridges.state.mn.us/bestprac/bibl.pdf>

Metadata - General Information

Ahronheim, Judith. "Descriptive Metadata: Emerging Standards." *Journal of Academic Librarianship*. 24 (1998): 395.

Background on various types of metadata, including DC, RDF and GILS, as well as reasons for using them.

"AIMS: Access to Inter-Operable Metadata Services." JTAP. (1999)

<http://hds.essex.ac.uk/aims.stm>

Emphasis on using metadata to facilitate information searching and retrieval in the Social Sciences and Humanities. Could be interesting to check for progress reports and perhaps user studies.

Caplan, Pricilla. "You Call It Corn, We Call It Syntax-Independent Metadata for Document-Like Objects." *Public-Access Computer Systems Review*. (1995).

Dated but good basic background on DC; also early history.

Davydov, Mark M. "Metadata Management: E-business Grail." *Intelligent Enterprise* 2 (July 13, 1999):33-39.

Although focused on the private sector, the piece discusses the purpose and value of metadata and gives background on various projects and kinds of metadata in use.

"Digital Libraries: Metadata Resources." IFLANET. (1995-2000).

<http://www.ifla.org/II/metadata.htm>

Links to information about metadata types and projects.

Forger, Garry. "Links to Sites and Documents with Information on Metadata, TEI, DC, DOI, EAD, SGML, and XML." (1999).

<http://dizzy.library.arizona.edu/sitesearch/metadata.html>

Gordon, Jack. "Wanted: One Universal Translator." *Training*. (December 1998): 28-30.

Value of metadata in Internet searching.

Hudgins-Bonafield, Christy. "Is It Time to Spring-Clean the Internet?" *Network Computing*. (April 1, 1997): 26-28.

Future of metadata. Commercial potential of 'containers/packages' (software that holds "separate pieces of abstracted information and usage rules, rights and...security properties"). Also critique: DC not coming from disparate communities, only libraries.

Jul, Eric. "Cataloging Internet Resources: Survey and Prospectus." (1997).

<http://www.asis.org/Bulletin/Oct-97/jul.htm>

Online article from ASIS concerning Internet cataloging, including possible costs/benefits and how metadata may be useful.

Lange, Holley R. and Winkler, B. Jean. "Taming the Internet." *Advances in Librarianship*. 21 (1997): 47-72.

Article with good background on metadata. Also mention of DC projects, history, developments, and future possibilities.

Library of Congress. Network Development and MARC Standards Office. "Dublin Core/MARC/GILS Crosswalk." (1999).

<http://lcWeb.loc.gov/marc/dccross.html>

Comparisons between DC and GILS, using mapping via crosswalk. Handy for determining why DC is best for use in Foundations Project.

"Metadata: Comparison of Collection Description Schemas." UKOLN. (1998).

<http://www.ukoln.ac.uk/metadata/cld/comparison>

Web site, in crosswalk format, showing how DC and GILS schemas vary.

Milstead, Jessica and Feldman, Susan. "Metadata - Cataloging By Any Other Name." *Online*. (January 1999): 25-34.

<http://www.onlineinc.com/onlinemag/OL1999/milstead1.html>

How metadata is used in searching, why it is valuable, how it functions, how it will help searching, drawbacks (interesting—including too many current projects), and future predictions.

Thiele, Harold. "The Dublin Core and Warwick Framework." *D-Lib Magazine*. (January 1998).

<http://www.dlib.org/dlib/january98/01thiele.html>

Dated but useful literature review on DC and RDF, for the period March 1995-September 1997. Detailed annotated bibliography on early workshop series. Good background.

Vellucci, Sherry L. "Options for Organizing Electronic Resources: The Coexistence of Metadata." (1997).

<http://www.asis.org/Bulletin/Oct-97/vellucci.htm>

Online article from the ASIS concerning the reasons for using metadata to organize electronic resources, including the diversity of organizations and requirements for their held material as well as the need to catalog holdings online and in the library.

Welsh, Sue. "OMNI—Alternative Approaches to Internet Metadata." Proceedings of the International Online Information Meeting, December, 1996.

Reasons for using metadata, including DC.

Xu, Amanda. "Metadata Conversion and the Library OPAC." Haworth Press. (1997).

<http://Web.mit.edu/waynej/www/xu.htm>

Advantages to using metadata in library OPACs, especially in terms of the need for metadata repository library collections.

Searching and Search Engines

Atkinson, Steve. "Zero Result Searches ... How to Minimize Them." *Online*, 59, 1986, pp. 59-66.

Dated but interesting piece that's useful for illustrating examples of poor search techniques, also how to overcome them. Metadata may be one solution.

Bradley, Phil. "Search Engines: How to Get the Best Out of the Internet." (January 7, 1998).

<http://philb.com/compare.htm>

Article from personal Web site about how best to use search engines and which ones will search for metadata. Dated.

Brake, David. "Lost in Cyberspace." *New Scientist* (Online), 1999?

<http://www.newscientist.com/keysites/network/lost.html>

Online article about problems and limitations of search engines and how metadata may help resolve this.

Desai, Bipin C. "Supporting Discovery in Virtual Libraries." *Journal of the American Journal of Information Science*, 1997, pp. 190-204.

Article discusses need for using metadata in Internet searching, including drawbacks of current indexing practices and how metadata would overcome this. Also details of various metadata projects.

Interesting note: DC problem (lack of abstracts field) also discussed.

Gaul, Kathleen. "Learning to Search: How People Become Database Searchers." *Online Review*, 10, 1986, pp. 355-366.

Piece that discusses search techniques, including how people learn and how they feel about their experiences and learning methods.

Hawkins, Donald T. "Hunting, Grazing and Browsing." *Online*, January-February, 1996, pp. 71-74.

Article about the three ways people search for online information. Dated, but bibliography is worth checking into (research studies concerning searching.)

Luke, Michael O. "The Information Future." *Online*, 20, January-February 1996, pp. 65-69.
Dated article about current aspects of information searching, as well as predictions for the future.

Morris, Charlie. "Are Search Engines Dead?" June 26, 2000.

http://www.stars.com/Internet/Dead_SearchEngines/

Current article about the state of search engines, with a push for Dublin Core toward the end.

Oldroyd, B.K. "Study of Strategies Used in Online Searching 5: Differences Between the Experienced and Inexperienced Searcher." *Online Review*, 1984, pp. 233-244.

Dated but valuable piece contrasting techniques of experienced and inexperienced searchers. Would help in discussion of how metadata could help the latter .

Online Magazine. "Head to Head: Searching the Web Versus Traditional Services."

<http://www.onlineinc.com/onlinemag>

Article about detailed search study, contrasting an Internet search using Hotbot with a Lexis-Nexis search on the same topic. Interesting for details of search steps.

Qin, Jian and Wesley, Katherine. "Web Indexing with Meta Fields: A Survey of Web Objects in Polymer Chemistry." *Information Technology and Libraries*, September 1998, pp. 149-157.

Informative piece concerning searching for metadata-coded sites in the field of chemistry. Discusses encountered problems and gives suggestions for solving them. Extensive bibliography, and also gives ideas ideas about conducting user studies.

Rettig, James. "Putting the Squeeze on the Information Firehose: The Need for 'Neteditors and 'Netreviewers.'" 1998.

<http://www.swem.wm.edu/firehose.html>

Paper concerning unregulated nature of WWW and need for review of Web sites. Also deals with various projects providing this service. Possibly useful for illustrating how metadata may refine searches, making the above less necessary.

Saracevic, Tefko et al. "A Study of Information Seeking and Retrieving." *Journal of the American Society for Information Science*, 39, 1988, pp. 161-176.

Dated, very technical article (with emphasis on statistics) about user studies. May be useful in design of such a study for DC. The conclusion is good.

Scoville, Richard. "Find it on the Net." *PC World*, January, 1996, pp. 125-131.

Information about Internet searching, including how engines work and tips for searching. A bit dated, but still interesting.

Shaw, Debora. "Nine Sources of Problems for Novice Online Searchers." *Online Review*, 10,

1986, pp. 295-303.

Article is helpful in showing various search techniques. Metadata may be extrapolated to help such searches. Dated.

Smith, Elaine Davis. "A Statistical Study of On-line Searches in a Chemical Company, 1982-1987." *Journal of Information Science*, 1990, pp. 121-127.

Study concerning various costs of online searching. Dated but useful for description of methods and graphing.

Sullivan, Danny. "Crawling Under the Hood." *Online*, 23, May 1999, pp. 30-31.

Article updating status of search engines as far as searching abilities and problems. Also, how metadata fits in.

Sullivan, Danny. "Search Engine Features for Webmasters." (1996-2000).

<http://searchenginewatch.internet.com/webmasters/features.html>

Information about search engines, chiefly about how they index the sites found. Of particular interest due to those concerned with metatags, keywords, and descriptions (salient to user-study).

Sutton, Stuart A. and Oh, Sam G. "GEM: Using Metadata to Enhance Internet Retrieval by K-12 Teachers." *Bulletin of the American Society for Information Science*, October/November 1997, pp. 21-24.

Article about a DC project. Most interesting for description of prototype harvesting.

Turner, Philip M., Kaske, Neal K., and Baker, Gayle S. "The Effects of Baud Rate, Performance Anxiety, and Experience on Online Bibliographic Searches."

Information Technology and Libraries, March 1990, pp. 34-42.

Description of information searching study, including methods, subjects and results. Dated.

Turner, Thomas P. and Brackbill, Lise. "Rising to the Top: Evaluating the Use of the HTML META Tag to Improve Retrieval of World Wide Web Documents through Internet Search Engines." *LRTS*, 42:4, 1998, pp. 258-271.

Detailed, complex piece discussing how the embedding of various types of metadata into HTML documents affects searching success.

Wallace, Patricia M. "How Do Patrons Search the Online Catalog When No One's Looking? Transaction Log Analysis and Implications for Bibliographic Instruction and System Design." *RQ*, Winter 1993, pp. 239-252.

Dated article that is useful for illustrating how nonprofessionals search for information. Metadata would seem to improve results in these cases.

Dublin Core Metadata

Arts and Humanities Data Service. "Discovering Online Resources. Reports from the Front: Domain-Specific Perspectives on Cross-Domain Discovery." AHDS. (November 17, 1997).

http://ahds.ac.uk/public/metadata/disc_04.html

Evaluation of how DC performed in a series of projects/workshops in various fields.

Chepesiuk, Ron. "Organizing the Internet: the 'core' of the challenge. *American Libraries* 30 (January 1999): 60-64.

Background on DC, also discussing positive aspects of using DC for Internet cataloging.

Consortium for the Computer Interchange of Museum Information (CIMI). "Best Practices Guide v0.3.1" (1999).

http://www.cimi.org/documents/meta_bestprac_v031.html

DC Best Practices document, developed for the museum community. Includes examples of each element's usage.

Dublin Core Metadata Initiative. (1998).

<http://purl.oclc.org/dc/>

Background on DC and project implementation.

Lynch, Clifford. "The Dublin Core Descriptive Metadata Program: Strategic Implications for Libraries and Networked Information Access." *ARL Newsletter* 196. (1998).

<http://arl.cni.org/newsltr/196/dublin.html>

Good, comprehensive piece on DC background. Of particular interest is the discussion of how libraries may best use DC.

Miller, Paul. "Discovering Online Resources. Appendix: Sample Records Utilizing the Dublin Core." (November 17, 1997).

http://ahds.ac.uk/public/metadata/disc_09.html

Article with examples of DC in action.

Miller, Paul. "Discovering Online Resources. Conclusion: Engendering Consensus." AHDS. (November 17, 1997).

http://ahds.ac.uk/public/metadata/disc_08.html

Conclusions from the projects, cross-domain.

Miller, Paul. "Discovering Online Resources. Unifying Resource Discovery Metadata for the Humanities: An Application Based Upon the Dublin Core." AHDS. (November 17, 1997).

http://ahds.ac.uk/public/metadata/disc_05.html

Integration of findings about the implementation of DC in the above workshops/projects, cross-domain.

Thornely, Jennie. "The Road to Meta: the Implementation of Dublin Core Metadata in the State Library of Queensland." (1995-1999).

<http://www.slq.qld.gov.au/staffpub/stpubalj.htm>

Paper from Australian Library Journal describing the Queensland State Library Metadata project and why Dublin Core was used. Includes comprehensive bibliography.

Weibel, Stuart. "Discovering Online Resources. The Dublin Core: A Simple Content Description Model for Electronic Resources." AHDS. (1998).

http://ahds.ac.uk/public/metadata/disc_03.html

Good and bad points of DC.

Weibel, Stuart. "The State of the Dublin Core Metadata Initiative. *D-Lib Magazine*. (April 1999).

Current state of DC; also includes comparisons and relationships to other metadata efforts. Conclusion is very good for detail on why DC should be the accepted language for Foundations project.

GILS Metadata

Christian, Eliot J. "GILS: What Is It? Where's It Going?" *D-Lib Magazine* (December 1996).

<http://www.dlib.org/dlib/december96/12christian.html>

Dated but informative article giving background on GILS

Dorobek, Christopher L. "OMB Watch says GILS implementation is poor." *Government Computer News* (September 28, 1998): 14.

GILS problems: lack of government agencies providing online records to be indexed.

"Global Information Locator Service." (September 21, 1997).

<http://www.usgs.gov/public/gils/locator.html>

Basic GILS information.

Houser, Wesley. "Tender care will bring valuable data resource to life." *Government Computer News*. 16 (Sept 8, 1997): 30.

Discussion of problems with GILS and why the author considers it not useful.

Moen and McClure. "An Evaluation of U.S. GILS Implementation." (June 30, 1997).

Article critiquing GILS, discussion of problems and recommendations for improvements.

Murphy, Robin. "The Government Information Locator Service (GILS): Access Through Technology." *InterNIC News* (May 1, 1996). <http://rs-internic.net/>
Early history of GILS; excellent background material.

National Archives and Records Administration. "Guidelines for the Preparation of GILS Core Entries." DTIC. (1996?)
<http://www.dtic.mil/gils/documents/naradoc>

Dated site that provides basics for GILS usage; also valuable for equating GILS syntax to MARC.

Perez, Ernest. "Meta Databases, GILS, and MegaProblems." *EContent* 22 (August-September 1999): 75

Article discussing GILS workshop that concerned the status of GILS, why it should be used, implementing GILS, problems with this and issues raised, as well as suggestions.

Power, Kevin. "Report says GILS mission confuses agencies, public." *Government Computer News* 16 (September 15, 1997): 14.

Article describing problems with GILS, due to lack of policy and management tools.

Turner, Fay. "The U.S. Government Information Locator Service (GILS): Description and Status." *Network Notes* 23 (January 15, 1996).

http://gils.gc.ca/gils/backg_e.html

Dated article about status of GILS, with references to GILS implementation in other countries.

Varon, Elana. "Watchdog groups warns GILS' days are numbered." *Federal Computer Week*. (August 17, 1998): 13.

Article concerning potential problems with GILS: not enough government agencies are using it or are putting their efforts into Web publishing with it.

RDF

Beckett, Dave. "Dave Beckett's Resource Description Framework (RDF) Resources." (1999).

<http://www.cs.ukc.ac.uk/people/staff/djb1/research/metadata/rdf.shtml>

Links to RDF information.

Miller, Eric. "An Introduction to the Resource Description Framework." *D-Lib Magazine*. (May 1998).

<http://www.dlib.org/dlib/may98/miller/05miller.html>

Development history and description of RDF, including model for use with DC for describing resources. Includes good bibliography.

“Resource Description Framework (RDF) Model and Syntax Specification.” W3C Specs. (1998).
<http://www.w3.org/TR/1998/WD-rdf-syntax-19981008>

Working draft on RDF. Contains background information and provides basic models; also with information on containers, syntax, and grammar. Very detailed.

Sullivan, Eamonn. “Standards aim to tame the Web: Resource Description Framework spec is poised to provide better Web publishing with metadata.” *PC Week* 14 (November 3, 1997):41-43.

Article calling RDF a way of standardizing metalanguages.

Swick, Ralph, et al. “Resource Description Framework (RDF).” W3C. (2000).

<http://www.w3.org/RDF>

Online bibliography, including projects, software, bookmarks and articles for recommended reading.