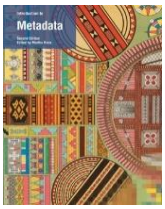
Topic 1: Metadata

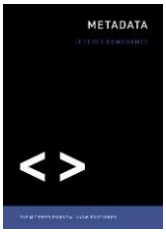
To deepen one's knowledge
Metadata learning resources

There are many sources where to learn the basics regarding data organization, information science and metadata, and the ones cited in this factsheet are only a very tiny sample, all of which can be found in the web. Some are open access, and some are not, but they are all of high quality and have been created by professionals. Here there is a collection of the principal sources that were used in these fact sheets.

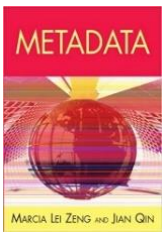
Textbooks



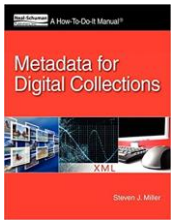
Introduction to Metadata, edited by Murtha Baca. This is the result of a collaborative work of at least five authors that was printed for the first time in 1998. Since then, it has gone through several editions and remains one of the references as an introductory guide to information science. From its origins to the actual use of metadata, from the handwritten library records to the actual complex metadata harvesting, crosswalks and meta searching, this book will help the user to understand the basics of this complex science and to introduce much more complex concepts.



Metadata (2015)**,** by Jeffrey Pomerantz. Dr. Pomerantz is an Information Scientist with greater than 20 years of experience. His book was one of the first MIT Press publications in the Essential Knowledge Series.



Metadata (2008), by Marcia Lei Zeng & Jian Qin. These two internationally recognized metadata experts created a comprehensive book that covers metadata, organization and information technology from both a theoretical and practical point of view. This book works well for self-guided study.



Metadata for Digital Collections: A How-To-Do-It Manual *(2011)*, by Steven J. Miller. This is another introductory book into the metadata world, but specifically focused on Extensible Markup Language. The author also discusses the politics and ethics of metadata.

Open access online documentation

Metadata: Organizing and Discovering Information (Coursera, 2014), created by the University of North Carolina and taught by Jeffrey Pomerantz. Although this course is not available anymore at coursera, all the videos are available at https://www.youtube.com. 101 videos that will bring the user from the most basic knowledge of metadata, to a deep understanding of metadata elements and of the commonest schemes, such as Dublin Core. The course is divided into eight topics, each one containing from 8 to 18 videos of around 10 minutes Apart from this course, Dr. Pomerantz has a wide variety of instructive courses on specific metadata topics.

Metadata Resources, **Selected Reference Documents, Web Sites, and Readings**, compiled by Steven J. Miller, from the University of Winsconsin-Milwaukee. Here we can find a collection of resources from textbooks to webpages, similar to what this factsheet aims to be, but couple of times more extense. The content is divided in 12 categories from Genera l Metadata Resources to Software and Tools to create and work with metadata. This is a broad and complete collection that the user will not complete in a lifetime! Accessible at: https://sites.uwm.edu/mll/metadata-resources/

Karen Coyle's Blog, this the blog of Karen Coyle, a Librarian and techie from the United States. This 14 years old blog collects the hot topics in metadata and data science. With entrances related to specific standards, general concepts, vocabularies and many other concepts, this blog will help the user to get a broad picture in a relaxed and close manner, and with the added value of a feminist perspective. Accessible at: http://kcoyle.blogspot.com/

Scientific and institutional literature

Agnew, Grace. (2005). Developing a metadata strategy: A road map. Journal of digital asset management, 1, 6,372-385. https://10.1057/palgrave.dam.3640059

Duval, Erik, Wayne Hodgins, Stuart Sutton, and Stuart L. Weibel. (2002). "Metadata Principles and Practicalities." *D-Lib Magazine* 8, no. 4 (April).

Duval, Erik. (2001) „Metadata Standards: What, Who & Why"Journal of Universal Computer Science, 7,no.7,591-601

Heery, Rachel. (1996). Review of metadata formats. *Program: electronic library and information systems*, *30*(4), 345-373. https://doi.org/10.1108/eb047236

Riley, Jenn. (2017). *Understanding Metadata: What is Metadata, and What is it For?: A Primer*. NISO. https://www.niso.org/publications/understanding-metadata-2017

ABOUT THIS POLICY BRIEF

This Policy Brief is part of a series aiming to inform policy-makers on the key results of the NeDiT research project and provide recommendations to policy-makers. The series of NeDiT Policy Briefs can be found at http://nedit.net/downloads/. This publication was commissioned, supervised and produced by NeDiT project partners.

DISCLAIMER

The policy recommendations made do not necessarily reflect the views of the ZMT, IMS or its partners.

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You can find more information about the project here.

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