

Linked Data Demystified: Practical efforts to transform CONTENTdm metadata into Linked Data

Selected Linked Data Resources

Compiled by Silvia Southwick and Cory Lampert

What is linked data?

The Next Web of Open Linked Data, by Tim Berners-Lee] (video -- 16 min 51 sec) at http://www.youtube.com/watch?v=OM6XIIcm_go

Applications of Linked Data, by Tim Berners-Lee] (video -- 5 min 34 sec) at <http://www.linkeddatatools.com/semantic-web-basics>

Linked Data FAQ at http://structureddynamics.com/linked_data.html

You Tube video on Linked Data for Libraries by OCLC at http://www.youtube.com/watch?v=fWfEYcnk8Z8&feature=player_detailpage

CNI -- Linked Data for libraries: Why should we care? Where should we start? by Philip E. Schreur at <http://vimeo.com/45768860>

Overview of linked data and its potential use in library settings

Coyle, K. (2010). *Understanding the Semantic Web: Bibliographic data and metadata*. Chicago, IL: ALA TechSource.

Coyle, K. (2012). *Linked data tools: Connecting on the Web*. Chicago, IL: ALA TechSource

Intro to Linked Open Data in Libraries Archives & Museums by Jon Voss (video) at <http://archivesoutside.records.nsw.gov.au/what-is-lodlam/>

Sample of Vocabularies

The Virtual International Authority File at <http://www.oclc.org/research/activities/viaf.html>

Library of Congress Subject Headings (LCSH)] <http://id.loc.gov/>

Linked Open Colors at <http://www.thedatahub.org/dataset/loc> -- uses RGB codes for identifying colors

DBpedia Ontology at <http://wiki.dbpedia.org/Ontology>

Freebase Types at <http://www.freebase.com/schema> -- it is a linked data database with a graphical interface. It takes data from different sources, including DBpedia.

New York Times Linked Open Data at <http://data.nytimes.com>

Geonames at <http://www.geonames.org/> - The GeoNames geographical database covers all countries and contains over eight million place names that are available for download free of charge

Wildlife Ontology <http://www.bbc.co.uk/ontologies/wildlife/2010-02-22.shtml>

Basic Concepts/Technologies

Introducing linked data and semantic at <http://www.linkeddatatools.com/semantic-web-basics>

RDF Primer at <http://www.w3.org/TR/rdf-primer/>

Introduction to RDFa at <http://www.alistapart.com/articles/introduction-to-rdfa/>

RDFa Basics (video) at <http://www.youtube.com/watch?v=ldlOm-5zLz4>

RDF Primer at <http://www.w3.org/TR/rdf-primer/>

Implementing Linked Data

Heath, T., & Bizer, C. (2011). *Linked data: Evolving the web into a global data space*. San Rafael, Calif. (1537 Fourth Street, San Rafael, CA 94901 USA: Morgan & Claypool.