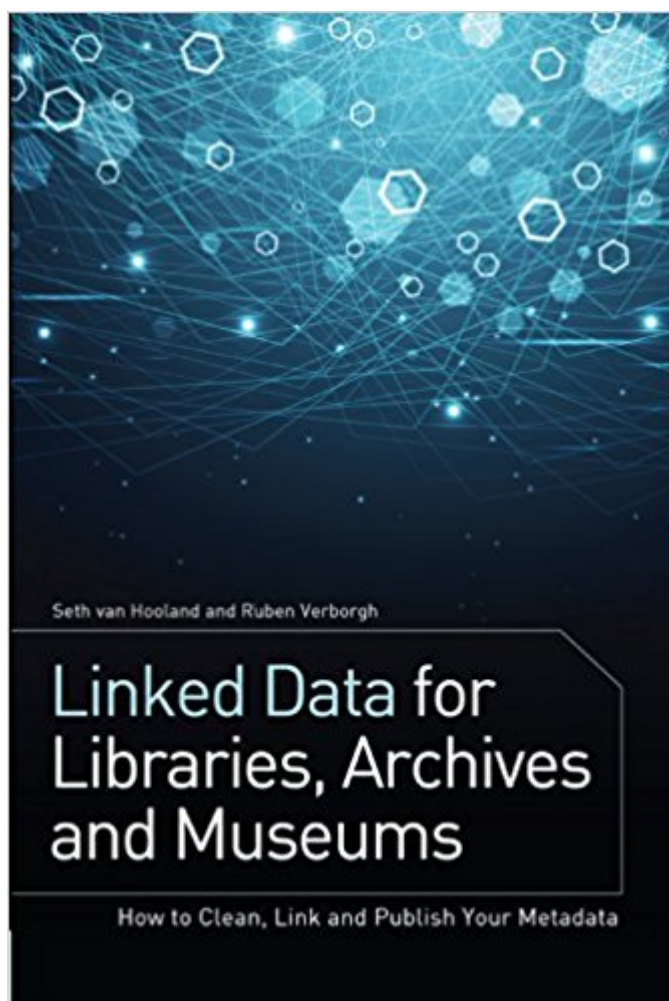


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# Linked Data For Libraries, Archives And Museums: How To Clean, Link And Publish Your Metadata



## Synopsis

Libraries, archives and museums are facing up to the challenge of providing access to fast growing collections while managing constrained budgets. Key to this is the creation, linking, and publishing of good quality metadata, which allows library collections to be discovered, accessed and disseminated in a sustainable manner. In this handbook, metadata experts van Hooland and Verborgh introduce the core concepts of metadata standards and Linked Data, and show how they can be applied to existing metadata. Giving readers the tools and understanding to achieve maximum results with limited resources, this book covers such crucial topics as The value of metadata Metadata creation, including architecture, data models, and standards Metadata cleaning Metadata reconciliation Metadata enrichment through Linked Data and named-entity recognition Importing and exporting metadata Ensuring a sustainable publishing model This handbook delivers the necessary conceptual and practical understanding to empower institutions to make the right decisions when making their resources accessible on the Web.

## Book Information

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"...an important addition to the library science canon. Many important concepts to understanding linked data are covered within and it will open your eyes to the possible challenges ahead with sharing your own data. Even if you never work on the applications or project to share data, as a data creator, it is good to keep these problems and concepts in mind as you catalog and create

vocabularies." -- Online Audiovisual Catalogers "...this book chooses a natural flow for starting to understand how linked data applies to the work of cultural institutions and the many ways their work and collections fit on the Internet. It goes beyond technical details to provide a broader historical context for linked data and its uses in libraries, archives, and museums...as a primer for understanding the wider-picture of how all these pieces sit together, it is a great resource. This book would be very suitable as a core text and jump off point in a class on linked data. Or, for that matter, as an open data course with linked data as a focal point, as I do feel it is generalized enough to be somewhat useful for those interested in enriching and linking data sets outside of a LAM setting. Finally, it is of course a good resource for working professionals who want a manageable starting point for figuring out what linked data is and how they can start incorporating it into their workflows and day-to-day efforts." --subtxt/in

Seth van Hooland is associate professor at the Information and Communication Science department of the Universite libre de Bruxelles, where he holds the chair in Digital Information. Van Hooland is also active as a consultant for clients such as the European Commission and occasionally works for leading companies in the SemanticWeb industry such as Mondeca and Poolparty. Ruben Verborgh is a PhDresearcher in semantic hypermedia at Multimedia Lab - GhentUniversity - iMinds, Belgium. As a Master in Computer Science Engineering, he closely follows and participates in the latest evolutions on the Web. He is particularly fascinated by the Semantic Web, Linked Data, Web APIs and autonomous Web agents, and has authored more than 40 papers on these topics.

There's a lot of interest in the application of linked data to manage and improve discoverability to library and other resources. In this book, the authors provide much information about data modeling as well as cleaning, reconciling, enriching, and publishing of metadata. The discussion about the value of controlled vocabulary and thesauri will be of particular interest to librarians, curators, and archivists. Linked data's application in the field of digital humanities research is also discussed. The authors also provide case studies and exercises. Throughout the book there are many helpful figures, tables, and examples of linked data coding. Each chapter also includes notes and references for further reading, and the book contains a helpful glossary and index. This book would be of most interest to librarians or other professionals who want to explore the use of linked data to make their metadata more accessible.

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