

# Catapult

Newsletter of the LIANZA Cataloguing Special Interest Group

## Content

|  |    |
|--|----|
| <i>Editorial comment</i>   | 1  |
| <i>CatSIG News</i>   | 2  |
| <i>Report from RDA cataloguing workshops</i>   | 2  |
| <i>Featured Article</i>  |    |
| Linked & Open Data – Projects to Watch   | 4  |
| <i>Items in Brief</i>  |    |
| OCLC recommends Open Data Commons Attribution License (ODC-BY) for WorldCat data                                   | 7  |
| LinkedData for Librarians  | 7  |
| NISO Publishes Themed Issue of Information Standards Quarterly on Linked Data for Libraries, Archives, and Museums | 7  |
| Library 2.012 Worldwide Virtual Conference:  | 7  |
| FRBR and RDA: what they are and how they may affect the future of libraries  | 8  |
| Changes to LC/NACO authority records   | 8  |
| OCLC Control Number expansion  | 9  |
| RDA Toolkit Essentials video   | 9  |
| MARC Update  | 9  |
| <i>New Books</i>   |    |
| Information Resource Description: Creating and Managing Metadata   | 10 |
| Open Access and its Practical Impact on the Work of Academic Librarians  | 10 |
| Linking Government Data  | 11 |
| Metadata and Semantic Research: 4th International Conference, MTSR 2010  | 11 |

## Editorial comment

Catapult is the quarterly newsletter of CatSIG. The responsibility for editing is shared around libraries and individual CatSIG Committee members.

This issue was prepared by the University of Auckland Library cataloguers. The editorial team was Joanne Rowan, Lai Lam, Linda Thomas, and Ksenija Mincic Obradovic.

Following the interest on Linked Data, we have prepared a few more items on this topic.

Libraries have started to explore ways to make their bibliographic records freely available on the Internet, so that they can be reused and more fully integrated into the broader Web environment. The article written by Kim Shepherd describes a few projects that use Open (Linked) Data.

There are also a few items in brief and two reviews of books where you can find more on this topic.

*Ksenija Mincic Obradovic*

### **Catapult online**

Archived issues are available on the DescribeNZ wiki:  
<http://www.describe.org.nz/>

### **CatSIG Committee**

|           |                    |                                       |
|-----------|--------------------|---------------------------------------|
| Convenor  | Janess Stewart     | National Library of NZ                |
| Treasurer | Joanne Rowan       | University of Auckland Library        |
| Secretary | Sonya Maclaurin    | University of Otago Library           |
| Committee | Jessie Moir        | Hastings District Libraries           |
|           | Karen Tobin        | Central Hawkes Bay District Libraries |
|           | Caroline Sherborne | Auckland Libraries                    |

Contact: [catsigcommittee@gmail.com](mailto:catsigcommittee@gmail.com)

## CatSIG News

The CatSIG AGM was held at the LIANZA Conference on Monday, 24 September 2012, 1.00-2.00 pm.

There was a change in the membership of the CatSIG Committee at the AGM. Angela Holland from Tasman District Libraries has resigned from the committee and Karen Tobin from Central Hawkes Bay District Libraries has replaced her. All the other people on the committee were willing to continue in their current roles.

The agenda and the minutes from the last year's meeting, along with the Convenor's and Treasurer's reports for this year, are available from the DescribeNZ wiki at <http://nznuc-cataloguing.pbworks.com/w/page/23232398/News%20and%20Announcements>.



## Report from RDA cataloguing workshops

*by Joanne Rowan  
The University of Auckland Library*

CATSIG ran three RDA seminars in September, in Auckland, Palmerston North and Dunedin. These seminars were well attended with over 180 cataloguers coming along to hear Barbara Tillett and cataloguers from the National Library talk about RDA. Librarians came from a wide variety of libraries ranging from public and academic right through to corporate libraries in both the government and private sector.

The seminar began with a bit of pre-reading beforehand; the seminars themselves were structured in two parts. The first part consisted of presentations given by Barbara Tillett, Chief of the Policy and Standards Division, Acquisitions and Bibliographic Access Directorate at the Library of Congress, and two cataloguing team leaders from the National Library of New Zealand, Chris

Todd and Charlotte Stretton/Janess Stewart. These were very informative sessions. Barbara explained the background behind why FRBR and RDA were necessary and a bit about the Joint Steering Committee for the Development of RDA of which Barbara is the chair. Chris then gave a quick update on New Zealand's contribution to RDA via comments on the first draft and the proposal. The National Library continues to provide input into the rewording of RDA via suggestions for improvements they have identified during their training.

Barbara continued with an update on the Library of Congress's implementation plans. The Library of Congress is carrying out their training in stages. They began with the testers and in June/July trained their trainers and supervisors. From the beginning of September they began training the

remaining 420 cataloguers. They will train 60 cataloguers per month, with everyone to be trained by 31 March 2013. Once the Library of Congress cataloguers are trained they will continue to catalogue using RDA. As part of the training process some Library of Congress Policy Statements are being turned into proposals for the rewording of RDA, to help make the instructions clearer. In terms of updating data from AACR2 to RDA, the Library of Congress isn't planning to carry out a massive conversion project; they are doing more of a simple mapping project. They also won't be changing 260 fields into 264 because they are unable to tell if the information is for a publisher or a manufacturer.

Charlotte Stretton followed this with a presentation on what the National Library of New Zealand is doing around implementation. The National Library is looking at the Library of Congress Policy Statements and evaluating them for the New Zealand context. They will create a draft policy document which they will make available to New Zealand Libraries via the DescribeNZ wiki. In the future they hope to add this to the tool kit. There is still no firm date set for when the National Library will implement. This information will be provided soon but it will not be before 31 March 2013. The NUC needs to be able to handle RDA records and there are still some decisions to be made around this. RDA will be the preferred standard on the NUC once it is implemented. AACR2 records will still be accepted if there is no RDA record, but there can't be both an RDA and an AACR2 record on the NUC. An AACR2 record can be upgraded to an RDA record but an RDA record can't be downgraded to AACR2.

Barbara's next session was about the Bibliographic Framework Initiative and linked data. The report on the Bibliographic Framework will be published in October. This was followed by a presentation on using MARC with AACR2 and RDA and the changes that have taken place in MARC to assist with using it in relation to RDA.

The second part was run by two cataloguing team leaders from the National Library of New Zealand, Chris Todd and Charlotte Stretton/Janess Stewart. The topics covered by this session were more New Zealand-focused and included a hands-on session around identifying if a selection of records were RDA, AACR2 or hybrids. There was an update on LC/NACO authority records; the content of this presentation has been summarized under Items in Brief. This was followed by a brief discussion on preparing your library system for RDA and what the overseas vendors are doing. The National Library will be contacting local vendors to remind them about their customers' requirements in relation to RDA. The last session was around the training options available and to find out what New Zealand cataloguers' requirements were around training.

Librarians feel the sessions were excellent and well worthwhile. They left feeling more reassured about RDA and that they didn't need to start using RDA from day one.

The slides and notes from the seminars are now available at <http://nznuc-cataloguing.pbworks.com/w/page/59180786/Presentations%20from%20Barbara%20Tillett%20RDA%20Seminar>



## Featured Article

### Linked & Open Data – Projects to Watch

By Kim Shepherd  
The University of Auckland Library

[Catapult 75](#) featured an article by Haiqing Lin from the University of Auckland Library explaining some key linked data principles and relating them to the publication and consumption of linked bibliographic data.

This article will describe recent efforts in preparation, publication and consumption of linked open data, and some projects involved with open data that is not yet 'linked' with the web of data.

#### Open Data in Libraries, Archives, Galleries and Museums

Libraries, archives, galleries and museums have been creating, sharing and refining machine-readable data for almost as long as computers have existed. They also hold a great deal of important cultural data such as catalogues, archives, collections and maps. This puts the sector in a unique position to publish open data and contribute to the *web of data*.

Over the last decade, digitisation of physical resources using open standards for preservation has been a strong focus for libraries, archives, museums and government institutions. Now, with so much material available in an electronic format, publication of resources as linked data is becoming a new focus.

As well as technical challenges involved in transforming data, choosing ontologies and linking to other resources, data must be licensed appropriately to ensure legal access by other Internet users and applications, and to determine terms of use/re-use.

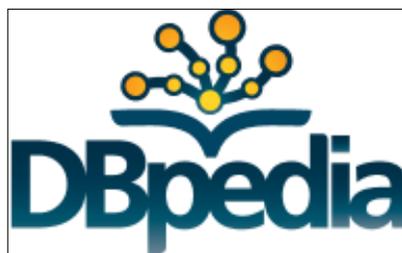
#### Open Data Sources

Some new and notable data sources – either linked in the web of data or simply openly available as structured data are:

##### DBpedia

<http://dbpedia.org>

Although not at all new, DBpedia represents an enormous chunk of the linked open data currently available on the web. It is derived from the data embedded in Wikipedia's sidebars. Many visualisations and apps that consume linked data will end up including some DBpedia content to add context, even if it is not the primary source of data. For example, DBpedia is often used for extra demographic, geographic or biographic data to provide context about a culture, country or person.



## WorldCat

<http://www.oclc.org/us/en/worldcat>

In June, OCLC announced the addition of linked data to their catalogue pages, using markup and schema standards published by Schema.org. This means that all the records WorldCat makes available can be consumed by semantic web browsers and linked data queries, and can be linked to by other resources in the web of data. The data can be inspected in a normal web browser by expanding the new “Linked Data” bar at the bottom of every WorldCat record.



The data appended to these records is released under the Open Data Commons – Attribution (ODC-BY) licence.

A Facebook application has been enhanced to allow WorldCat searches and links from Facebook. More applications are expected to follow suit.

## New Zealand Open Government Data

<http://data.govt.nz>

<http://nzgoal.info>

Government data is still mostly provided as open data, but not *linked* open data. Making data openly available is a necessary first step towards linked data, and allows developers and researchers to use data in useful ways.



This data is licensed under the New Zealand Government Open Access License (NZGOAL) framework. Guidelines and support staff assist government departments to comply with open access mandates and with technically preparing and releasing data.

The data catalogue at <http://data.govt.nz> lists datasets currently available. These datasets are typically available as downloadable CSVs (i.e. “comma separated value” files), spreadsheets and XML. Some datasets also provide Application Programming Interfaces (APIs) that allow real-time queries to be performed.

## World War I as Open Data

In 2014, nations around the world will begin World War I centenary commemorations. New Zealand and Australia will commemorate the role of ANZAC troops in particular.

War memorials, museums and libraries in New Zealand, Australia and Canada have been collaborating on work to make our collective knowledge of troops, units, ships, places, events and graves available as (linked) open data. This will enable the development of applications such as data-rich websites, educational resources and memorials displays by any developer or enthusiast.

World War I was a focus of the recent LODLAM ‘unconferences’ held in Wellington and Melbourne, with input from museums, war memorials, libraries, academic institutions and people with an interest in linked and open data.

Some current projects are described on the web, and can be access via the links below:

NZ Embarkation Rolls: <http://cenotaph.mebooks.co.nz/index.php>

Mapping our ANZACS: <http://mappingouranzacs.naa.gov.au/>

Out of the Trenches: <http://www.canadiana.ca/en/pcdhn-lod>

An example of an ontology used for Linked WWI Data is the Muninn Military Ontology. This provides a standard way to describe military entities or attributes such as ranks, units, ships and garrisons.

*Military Ontology Specification (0.2)*: <http://rdf.muninn-project.org/ontologies/military.html>

### **Further Reading:**

New Zealand Government Dataset Catalogue: <http://data.govt.nz/catalog/>

NZGOAL: <http://nzgoal.info/>

NZGOAL links: <http://ict.govt.nz/guidance-and-resources/information-and-data/nzgoal>

LODLAM: <http://lodlam.net>

Open NZ Wiki: <http://wiki.open.org.nz/>

NZ Open Govt Ninjas: <http://groups.open.org.nz/groups/ninja-talk>

Australian War Memorial WWI Centenary: <http://www.awm.gov.au/1914-1918/>

RDF data used in *Out of the Trenches*: <http://rdf.canadiana.ca/PCDHN-LOD/>

New Zealand War Graves: <http://www.wargraves.co.nz/>

### **References:**

OCLC. (2012). *OCLC adds Linked Data to WorldCat.org*. Retrieved from <http://www.oclc.org/us/en/news/releases/2012/201238.htm>

Guess, A. (2012). *WorldCat Facebook App Now Featuring Linked Data*. Retrieved from [http://semanticweb.com/worldcat-facebook-app-now-featuring-linked-data\\_b30427](http://semanticweb.com/worldcat-facebook-app-now-featuring-linked-data_b30427)

Culture Victoria News. (2012). *From exportable to usable: LODLAM Melb*. Retrieved from <http://blogs.cv.vic.gov.au/news/from-exportable-to-usable-lodlam-melb/>

Wueppelmann, W. (2012). *Out of the Trenches: A Linked Open Data Project*. Retrieved from <http://www.canadiana.ca/en/pcdhn-lod>

National Archives of Australia. (2012). *Mapping our ANZACS*. Retrieved from <http://mappingouranzacs.naa.gov.au/>

Kim Shepherd is part of the Digital Development team at the University of Auckland Library, developing and supporting open access repository, collection management and research management systems. Kim participates in a number of open-source projects as a developer and mentor.

More about Kim at <http://www.linkedin.com/pub/kim-shepherd/5/376/502>

## **Items in Brief**

### **OCLC recommends Open Data Commons Attribution License (ODC-BY) for WorldCat data**

For members' institutions that would like to release their library catalog data on the Web, this open data license provides the means to share WorldCat-derived data in a manner that is consistent with the cooperative's community norms.

Data can be freely shared subject only to attribution and OCLC's request that those making use of WorldCat-derived data conform to the community norms.

The recommendation follows passage of a resolution by OCLC Global Council in April 2012 that endorsed the ODC-BY, and recommended that OCLC staff consult with opinion leaders and stakeholders for further input. After researching and experimenting with different data licenses on OCLC and WorldCat data projects, and in close consultation with the library and developer communities, the recommendation was adopted by the OCLC Board of Trustees.

*Source: OCLC abstracts, 6 August 2012*

[http://www.oclc.org/news/releases/2012/201248.htm?utm\\_source=WhatCountsEmail&utm\\_medium=OCLC%20Abstracts&utm\\_campaign=OCLC%20Abstracts](http://www.oclc.org/news/releases/2012/201248.htm?utm_source=WhatCountsEmail&utm_medium=OCLC%20Abstracts&utm_campaign=OCLC%20Abstracts)

---

### **LinkedData for Librarians**

OCLC has a video on YouTube, [Linked Data for Libraries](#). "A short introduction to the concepts and technology behind linked data, how it works, and some benefits it brings to libraries." A nice fifteen minute introduction.

*Source: Catalogablog*

---

### **NISO Publishes Themed Issue of Information Standards Quarterly on Linked Data for Libraries, Archives, and Museums**

The National Information Standards Organization (NISO) announces the publication of a special themed issue of the *Information Standards Quarterly* (ISQ) magazine on *Linked Data for Libraries, Archives, and Museums*. ISQ Guest Content Editor, **Corey Harper**, Metadata Services Librarian, New York University has pulled together a broad range of perspectives on what is happening today with linked data in cultural institutions. [http://www.niso.org/apps/group\\_public/download.php/9422/isqv24no2-3.pdf](http://www.niso.org/apps/group_public/download.php/9422/isqv24no2-3.pdf)

*Source: RDA-L, 12 September 2012*

---

### **Library 2.012 Worldwide Virtual Conference:**

This free conference, October 3-5, 2012, is being held online, in multiple time zones, over the course of two days (three actual calendar days when including all time zones). The Information Studies programmes at Victoria's School of Information Management are a partner organisation for this initiative by the San Jose State University School of Library and Information Science.

The presentations look interesting; a couple which have a cataloguing focus are:

1. FRBR and serials: Implementation, problems and successes  
<http://www.library20.com/forum/topics/frbr-and-serials-implementation-problems-and-successes>
2. Technical Services in the Age of the Digital Repository: How Catalogers Can Become Engaged in the Creation of Digital Content  
<http://www.library20.com/forum/topics/technical-services-in-the-age-of-the-digital-repository-how>

For further details visit:

<http://www.library20.com/forum/topics/technical-services-in-the-age-of-the-digital-repository-how>

---

## ***FRBR and RDA: what they are and how they may affect the future of libraries***

*by Charles R. Croissant*

This paper explains the entity-relationship model that FRBR presents: the bibliographic entities (work, expression, manifestation, item), their attributes, and the relationships that connect them. It explains how bibliographic records based on the FRBR model would be structured, and demonstrates how FRBR informs the structure of RDA. It describes the controversies connected with the forthcoming implementation of RDA in March 2013, and explores the implications of this implementation for the library community.

Theological Librarianship, v. 5, no. 2, July 2012

<https://journal.atla.com/ojs/index.php/theolib/article/viewFile/234/565>

*Source: RDA-L, 21 August 2012*

---

## ***Changes to LC/NACO authority records***

In preparation for RDA, the Library of Congress (LC) has implemented two phases of changes to their Name Authority File, which also contains name authority records created by Name Authority Cooperative Program (NACO) members.

Phase 1 of the programmatic changes to the LC/NACO Name Authority File has recently been completed and the revised authority records have been added to the National Union Catalogue (NUC).

This first phase involved authority records that have 1XX fields that cannot be used in RDA bibliographic records without review and that cannot be changed mechanically. The 1XX has not changed but a 667 has been added to say that the record cannot be used under RDA until it has been reviewed or updated. This phase affected over 400,000 authority records.

Cataloguers working in the NUC will see authority records that contain the following 667 field:

**THIS 1XX FIELD CANNOT BE USED UNDER RDA UNTIL THIS RECORD HAS BEEN REVIEWED AND/OR UPDATED**

Some examples are: SJD (Musician)

Ihimaera, Witi, 1944-

Wool Research Organisation of New Zealand

Please note that the name headings in these authority records are still valid for use in AACR2 bibliographic records.

The NACO Team at the National Library of New Zealand can identify those changed authority records with an Nz in the 040 and will review these when they have finished their training in RDA authority records.

The second phase will start as close to Day 1 of RDA implementation (i.e. March 31, 2013) as possible and will involve modifying AACR2 authority records with 1XX, 4XX and 5XX fields that can be changed mechanically, e.g. changing Dept. to Department and b. to born. These changed authority records will be updated in the NUC as we receive them.

Both these phases will involve a relatively small proportion of authority records. The vast majority of AACR2 authority records have headings that can be used under RDA without modification and these will be re-coded as RDA authority records after March 2013.

*Source: CatSIG List, 10 September 2012*

---

## **OCLC Control Number expansion**

You may need to modify your systems to support a longer number.

The OCLC Control Number, a unique number in each bibliographic record, is anticipated to reach one billion after July 1, 2013. At that point, OCLC will increase the length of the OCLC number to accommodate a variable length number string.

If you use and/or store OCLC MARC bibliographic records and the OCLC Control Number, you will notice a change after July 1, 2013. You will need to check the systems at your institution that use OCLC MARC bibliographic records and the OCLC number. You may need to implement changes to ensure those systems will be able to successfully handle the longer OCLC number.

For more information: [http://www.oclc.org/batchprocessing/number-expansion.htm?utm\\_source=WhatCountsEmail&utm\\_medium=OCLC%20Abstracts&utm\\_campaign=OCLC%20Abstracts](http://www.oclc.org/batchprocessing/number-expansion.htm?utm_source=WhatCountsEmail&utm_medium=OCLC%20Abstracts&utm_campaign=OCLC%20Abstracts)

*Source: OCLC Abstracts, 24 September 2012*

---

## **RDA Toolkit Essentials video**

*By Anna Veritt, Cataloguer / Content Services, National Library of New Zealand*

For those who are looking for RDA resources to use, I just watched the September version of the RDA Toolkit Essentials video, and totally recommend watching it.

It's found here <http://www.rdatoolkit.org/essentials>. It's free to view, up-to-date and has good explanations on the structure of the Toolkit, and good tips on navigation and searching.

*Source: CatSIG, 26 September 2012*

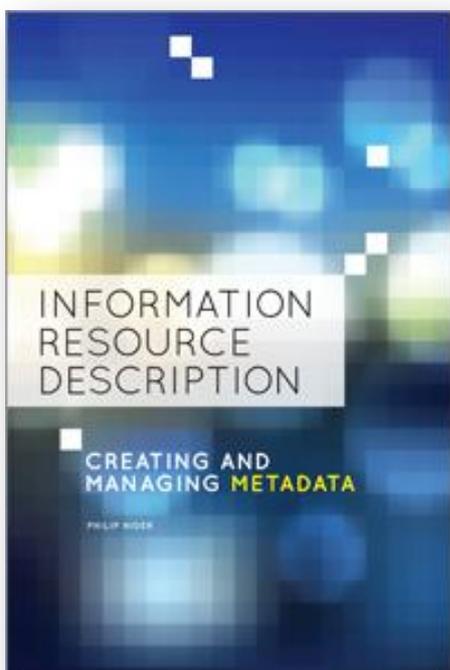
---

## **MARC Update**

Update No. 15 (September 2012) is now available on the MARC website ([www.loc.gov/marc/](http://www.loc.gov/marc/)).

*Source: Catalogablog, 19 September 2012*

## New Books

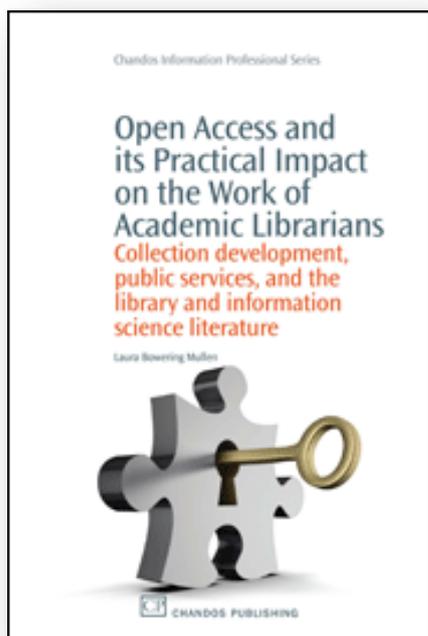


### **Information Resource Description: Creating and Managing Metadata**

*Philip Hilder*  
288 p., ALA Editions, 2013

This book serves as a primer on information and knowledge organization, with particular reference to metadata practices in the digital environment. It introduces the conventions and standards of contemporary document description, and the principles and trends of professional practice. Employing the unifying mechanism of the semantic web and the resource description framework, Hider integrates the various traditions and practices of information and knowledge organization. Uniquely, he covers both the domain-specific traditions and practices and the practices of the “metadata movement” through a single lens—that of resource description in the broadest, semantic web sense. This approach more readily accommodates coverage of the new RDA: Resource Description and Access standard, which aims to move library cataloguing into the center of the semantic web.

Source: ALA Store  
<http://www.alastore.ala.org/detail.aspx?ID=4030>

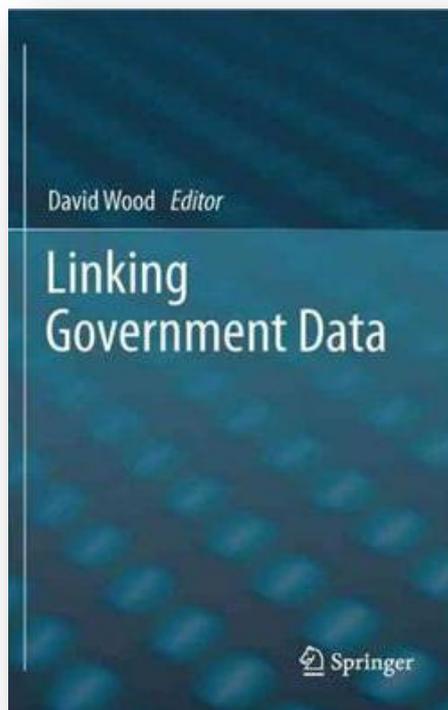


### **Open Access and its Practical Impact on the Work of Academic Librarians**

*Laura Bowering Mullen*  
254 p., Chandos, 2009

This book is aimed at the practicing academic librarian, especially those working on the ‘front lines’ of reference, instruction, collection development, and other capacities that involve dealing directly with library patrons in a time of changing scholarly communication paradigms. The book looks at open access from the perspective of a practicing academic librarian and challenges fellow librarians to continue the dialogue about how the movement might be affecting day-to-day library work and the future of academic libraries.

Source:  
<http://www.woodheadpublishing.com/en/book.aspx?bookID=2021&ChandosTitle=1>



## **Linking Government Data**

*David Wood (Ed.)  
232 p., Springer, 2011*

Linking Government Data provides a practical approach to addressing common information management issues. The approaches taken are based on international standards of the World Wide Web Consortium. Linking Government Data is designed as a professional book for those working in Semantic Web research and standards development, and for early adopters of Semantic Web standards and techniques. Enterprise architects, project managers and application developers in commercial, not-for-profit and government organizations concerned with scalability, flexibility and robustness of information management systems will also find this book valuable.

Source:

<http://www.springer.com/computer/database+management+%26+information+retrieval/book/978-1-4614-1766-8>



## **Metadata and Semantic Research: 4th International Conference, MTSR 2010**

*Salvador Sanchez-Alonso and Ioannis N.  
Athanasiadis  
373 p., Springer, 2010*

This volume constitutes the selected papers of the fourth international conference on Metadata and Semantic Research, MTSR 2010, held in Alcalá de Henares, Spain, in October 2010. The 28 full papers presented together with 3 invited lectures were carefully reviewed and selected from numerous submissions. The papers focus on theoretical and practical aspects of metadata research in a broad sense: models, languages, standards, applications, etc. and also on the application of Semantic Web technologies or any other kind of advanced metadata expression language to Web applications.

Source:

<http://www.amazon.com/Metadata-Semantic-Research-International-Communications/dp/3642165516>