



Making Metadata Work Harder: Celebrating 15 Years of Dublin Core

20-22 October 2010 Pittsburgh, PA, USA Proceedings Edited by: Diane I. Hillmann & Michael Lauruhn

Published by:
Dublin Core Metadata Initiative

DC-2010

International Conference on Dublin Core And Metadata Applications

ISSN: 1939-1366 (Online)





© 2010 DCMI

Copyright for individual articles is retained by the author(s) with first publication rights granted to DCMI for publication in the electronic proceedings. By virtue of their appearance in this open access publication, articles are free to be used with proper attribution for educational and other non-commercial purposes. Other uses may require the permission of the authors.

Cover Photo: Matthew Field

Creative Commons Attribution Share-Alike 3.0







Welcome from the Managing Director

I am pleased to welcome all participants to DC-2010, the tenth International Conference on Dublin Core and Metadata Applications, which also marks the 15th anniversary of the work on Dublin Core metadata.

All of us at DCMI are happy to be back in the US, seven years after DC-2003 in Seattle. It the years in between, we have been to China, Spain, Mexico, Singapore, Germany and Korea. These conference locations are a reflection of the fact that DCMI continues to be a truly international organization. Again this year, we have registrants from some twenty countries around the world and representatives of many professional domains and both public and private organizations.

This year's keynotes speakers Stu Weibel and Mike Bergman will look back at the fifteen years behind us and forward at what the future may bring. Many of the papers and workshop sessions are also looking at how to build bridges between "classic" implementations based on HTML and XML towards more "semantic", Linked Data, RDF-based, applications.

Within the growing enthusiasm of the Linked Data movement, and with the ongoing involvement of both practitioners and researchers in the Dublin Core community, these are exciting times for DCMI and its community.

In that context, I hope and trust that DC-2010 will be an interesting useful event enabling participants to meet, share and take away new ideas to improve systems and services.

We are looking forward to meeting many of the members of the Dublin Core community in Pittsburgh. Enjoy!

Makx Dekkers Managing Director Dublin Core Metadata Initiative







Introduction

DC-2010 is the second time the *International Conference on Dublin Core and Metadata Applications* has taken place in the United States—first in Seattle in 2003 and now in Pittsburgh. Having served as the Chair for DC-2003 and here again with DC-2010, I would like to reflect for a few moments on the journey between these two conferences. In 2003, DCMI had just begun work on what would emerge as the DCMI Abstract Model (DCAM). The synergies between



emerge as the DCMI Abstract Model (DCAM). The synergies between the architecture work of DCMI and the nascent Resource Description Framework (RDF) were high and have continued to be so to this day. Between these two U.S. instances of the Conference, the DCAM gave rise to a suite of specifications—a kind of 'solution stack' for those wanting to think about metadata in a principled way and to cross the bridge between the conventional world of bounded records and closed systems to the open environment of Linked Data and the Semantic Web.

Here at DC-2010, we celebrate the 15th year of the Dublin Core as an activity and the 10th year of the *International Conference*. In addition to an excellent set of peer reviewed Papers, Project Reports and Posters, DC-2010 offers a rich set of Tutorials and Special Sessions focusing on transitions from the world of metadata as originally framed by Dublin Core to a metadata environment supporting Linked Data and the Semantic Web. Several sessions address open questions and next steps in the work of DCMI.

Prior to the first *International Conference on Dublin Core and Metadata Applications* in Tokyo in 2001, the DCMI community met annually for an invitational workshop to work on issues of interest to the community. During those early 'workshop' years, traditions of open discourse and consensus building developed around the various DCMI work agendas—traditions that have carried forward to this day. So, a Dublin Core conference is an amalgam of conference functions—paper, project, and poster presentations and special sessions—<u>and</u> workshop sessions intended to advance the work of the various communities within the Initiative. The community sessions (along with social events) provide new-comers to the Dublin Core with the opportunity to become familiar with the issues and work addressed by these various communities.

Each member of the Conference Committee looks forward to the opportunity to engage with conference participants here in Pittsburgh and wish you all an exciting conference.

Stuart A. Sutton Chair, DC-2010 The Information School University of Washington Seattle, WA, U.S.A.







DC-2010 COMMITTEES

PROGRAM COMMITTEE

Committee Co-Chairs

Diane I. Hillmann

Metadata Management Associates. & Information Institute of Syracuse, USA

Michael Lauruhn

Elsevier, USA

,

The Program Committee

Leif Andresen, Danish Agency for Libraries and Media, Denmark Ann Apps, BSc MBCS CITP, Retired, United Kingdom

Thomas Baker, DCMI Directorate, USA

Ana Alice Baptista, Universidade do Minho, Portugal

Michael Robert Bolam, University of Pittsburgh, USA

Joseph A. Busch, Project Performance Corporation, USA

Douglas Campbell, National Library of New Zealand, New Zealand

Chao-chen Chen, National Taiwan Normal University, Taiwan

Eric Rogers Childress, OCLC Research, USA

Michael D. Crandall, University of Washington, USA

Jacques Ducloy, DRRT Lorraine, France

Schubert Shou Boon Foo, Nanyang Technological University, Singapore

Jane Greenberg, University of North Carolina, Chapel Hill, USA

Corey A. Harper, New York University, USA

Bernhard Haslhofer, University of Vienna, Austria

Carol Hert, Schema Logic, Inc. USA

Gail M. Hodge, Information International Assoc., USA

Pete Johnston, Eduserv Foundation, United Kingdom

Masahide Kanzaki, Zenon Ltd. Partners, Japan

Christopher S.G. Khoo, Nanyang Technological University, Singapore

Traugott Koch, Max Planck Digital Library, Germany

John Kunze, California Digital Library, USA

Faye R. Leibowitz, University of Pittsburgh, USA

Yushiana Mansor, International Islamic University Malaysia, Malaysia

Filiberto Felipe Martinez-Arellano, Universidad Nacional Autónoma de México, Mexico

Michael Robert Middleton, Queensland University of Technology, Australia

Alistair Miles, University of Oxford, United Kingdom

Akira Miyazawa, National Institute of Informatics, Japan

William E. Moen, University of North Texas, USA

Jin-Cheon Na, Nanyang Technological University, Singapore

Mitsuharu Nagamori, University of Tsukuba, Japan

Cristina Pattuelli, Pratt Institute, USA

Jon Phipps, JES & Co., USA

Jian Qin, Syracuse University, USA

Sandy K. Roe, Cataloging & Classification Quarterly, USA

Stefanie Ruehle, SUB Goettingen, Germany

Bernhard Schandl, University of Vienna, Austria

iii







Aida Slavic, UDC Consortium, United Kingdom
Shigeo Sugimoto, University of Tsukuba, Japan
Stuart A. Sutton, University of Washington, Retired, USA
Ahmed Taha, UAE University, United Arab Emirates
Joseph T. Tennis, University of Washington, USA
Seth van Hooland, Université Libre de Bruxelles, Belgium
Sherry L. Vellucci, Rutgers University, USA
Cheryl D. Walters, Utah State University, USA
Mei-Ling Wang, National Chengchi University, Taiwan
Hollie C. White, University of North Carolina at Chapel Hill, USA
Andrew C. Wilson, Australian National Data Service, Australia
Marcia Lei Zeng, Kent State University, USA

CONFERENCE COMMITTEE

Conference Planning and Oversight Liaison to ASIS&T

Makx Dekkers

Managing Director and Chief Executive Officer

DCMI, Spain

Conference Committee Chair

Stuart A. Sutton
University of Washington, USA

Program Committee Chairs

Diane I. Hillmann

Metadata Management Associates. & Information Institute of Syracuse, USA

Michael Lauruhn

Elsevier, USA

Tutorial Committee Chair

Marcia Zeng

Kent State University, USA

Workshop Committee Chair

Liddy Nevile

La Trobe University, AU





This article is licensed under a **Creative Commons Attribution 4.0 International Lic** which permits use, sharing, adaptation, distribution and reproduction in any medium or as long as you give appropriate credit to the original author(s) and cite the source.