## Preface

Establishing a standard like Dublin Core is like building a bridge. It makes exchange possible. Fittingly, the Dublin Core conference 2008 is taking place in Berlin, which is often called a bridge between Western and Eastern Europe. This event reaches even beyond Europe, with registered participants from nations all over the world such as United States, South Africa, Japan and New Zealand.

This year's conference will focus on metadata for social and semantic applications. For the first time, alongside the English tutorials there will be tutorials in German, prepared and presented by students from the University of Applied Sciences Potsdam. After three days of plenary as well as parallel sessions the conference will close on Friday with four different seminars focussing on interoperability and metadata vocabularies.

Organizing such a conference would be impossible without the invaluable help of the following six organizations: the Competence Centre for Interoperable Metadata (KIM), the Max Planck Digital Library (MPDL), the Göttingen State and University Library (SUB), the German National Library (DNB), Humboldt-Universität zu Berlin (HU Berlin) and the Dublin Core Metadata Initiative (DCMI).

For the funding we would like to thank the German Research Foundation (DFG) and the Federal Ministry of Education and Research (BMBF). Additionally we would like to thank Elsevier, the Common Library Network GBV, IBM, OCLC and Sun Microsystems for their generous sponsoring.

Last but not least, the conference is supported by Wikimedia Deutschland, local support community of Wikipedia, the well-known online encyclopedia.

We are sure that this year's conference will serve as a bridge between the participants and their knowledge, ideas and visions.

With sincere wishes for a productive conference,

Heike Neuroth Niedersächsische Staats- und Universitätsbibliothek Göttingen on behalf of the DC-2008 Host Organisation Committee

### Preface

It is with great pleasure that DCMI welcomes participants to DC-2008, the 8<sup>th</sup> annual International Conference on Dublin Core and Metadata Applications to Berlin, Germany.

For DCMI, it is also a return to Germany, as we came to Frankfurt in 1999 for one of the last invitational workshops, before the conference cycle began in 2001.

A lot has happened since then, most notably the establishment of the Dublin Core Metadata Element Set as ISO standard 15836. Important steps since then include the development of the extended set of DCMI Terms, the DCMI Abstract Model and the Singapore Framework for Dublin Core Application Profiles.

Since those days in 1999, the Dublin Core community has grown from a small and committed group of metadata pioneers into a large community of researchers and practitioners, who come together once a year to share experiences, discuss common issues and meet people from across the planet.

This year in Berlin, the program has a dual focus, with attention for semantic applications (where the focus is on machine-readable information and co-operation between automated systems) and social applications (where the focus is on co-operation between people). We believe that both forms of co-operation are crucial for enabling the interoperability that is at the heart of our work on Dublin Core metadata.

As usual, we hope that the event in Berlin will help people to gain understanding of approaches and developments in many places around the world, in many application domains and in many languages, and at the same time allow participants to get to know each other and build and extend personal and professional networks.

On behalf of DCMI and its many contributors, I would like to wish everybody a very useful and pleasant conference.

Makx Dekkers Managing Director Dublin Core Metadata Initiative

# Introduction

The 2008 International Conference on Dublin Core and Metadata Applications (DC-2008) is the sixteenth Dublin Core workshop, and the eighth full conference program to include peer-reviewed scholarly works (Tokyo, 2001; Florence, 2002; Seattle, 2003; Shanghai, 2004; Madrid, 2005; Manzanillo, 2006; and Singapore, 2007).

DC-2008 takes place in Berlin, Germany, a vibrant city in which cultural and scientific ideas are exchanged daily among the many sectors of society. Home to some of the world's most significant libraries and scientific research centers, Berlin is an ideal location for DC-2008, and for further linking the community of researchers, information professionals, and citizens who increasingly work with metadata to support the preservation, discovery, access, use, and re-use of digital information and information associated with physical artifacts.

The theme for DC-2008 is "Metadata for Semantic and Social Applications". Standardized, schema-driven-metadata underlies digital libraries, data repositories, and semantic applications leading toward the Semantic Web. Metadata is also part of the fabric of social computing, which includes the use of wikis, blogs, and tagging. These two trends flow together in applications such as Wikipedia, where authors collectively create structured information that can be extracted and used to enhance access to and use of information sources.

The papers in these proceedings address an array of significant metadata issues and questions related to metadata for semantic and social applications. The proceedings include twelve papers that are organized among the following five themes: 1. Dublin Core: Innovation and Moving Forward; 2. Semantic Integration, Linking, and KOS Methods; 3. Metadata Generation: Methods, Profiles, and Models; 4. Metadata Quality; and 5. Tagging and Metadata for Social Networking. The proceedings also include eight reports distributed among the following three themes: 1. Toward the Semantic Web, 2. Metadata Scheme Design, Application, and Use; and 3. Vocabulary Integration and Interoperability. The last part of the proceedings includes twelve extended one-page abstracts capturing key aspects of current research activities.

These papers, reports, and poster abstracts present a cross-section of developments in the field of metadata, with particular attention given to several of the most pressing challenges and important successes in the area of semantic and social systems. Their publication serves as a record of the times and provides a permanent body of knowledge upon which we can build over time.

We are pleased to have representation of such high quality work and to have had the input and review of an outstanding Program Committee in making the selection for this year's conference. We are also pleased that the DC-2008 is taking place in Berlin, a city of international culture. Finally, we are honored to have had the opportunity to serve as this year's Program Committee Co-Chairs and bring you a fine collection of work from our colleagues around the world.

Jane Greenberg, University of North Carolina at Chapel Hill Wolfgang Klas, Universität Wien Program Committee Co-Chairs, 2008

## Acknowledgements

The DC2008 proceedings represented in the following pages are the end-result of a long process that includes the submission of papers, reports, and posters; reviewing the submissions; organizing the accepted work among themes; and reviewing and formatting the final copies of the accepted works for publication in these proceedings. The process required the input of all members of the Program Committee and the Publications Committee. As conference Co-Chairs, we'd like to thank and acknowledge the efforts of the members of both of these committees, and, in particular, the outstanding and tremendous efforts of Stuart Sutton, Hollie White, Bernhard Haslhofer, Stefanie Rühle, and Susanne Dobratz.

Jane Greenberg, University of North Carolina at Chapel Hill Wolfgang Klas, Universität Wien Program Committee Co-Chairs, DC-2008

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