



# The CIDOC Conceptual Reference Model



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## Semantic Interoperability for e-Research in the Sciences, Arts and Humanities Imperial College Internet Institute

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Meeting Date:	30 March 2006, 9:30am-18:00pm
Meeting Place:	London, England
Meeting Site:	<a href="#">Imperial College</a> Kensington, London
Organized By:	<a href="#">Imperial College</a>

### Agenda

The Imperial College Internet Centre, CIDOC CRM Special Interest Group, DELOS and AHRC e-Science Support Centre, invite you to attend a workshop focusing on the problems of semantic interoperability for e-Research in the Sciences, Arts and Humanities which is intended to examine research challenges and strategies in the areas of knowledge management, information search, retrieval and integration, semantic interoperability and knowledge extraction, with the goal of breaking down the artificial barriers between these disciplines and forging a common research agenda for working across these traditionally separate domains. The central aim of this workshop is to bring together a group of international researchers from the arts, humanities and sciences to clarify the extent to which recent advances in semantic web and e-Science technologies can offer generic solutions to a wide range of application areas, to examine and challenge preconceptions about the creation and implementation of non-domain specific ontologies, to evaluate ontology driven semantic interoperability as a strategy for developing knowledge technologies across multiple heterogeneous collections, and to access new methods of research that naturally follow from the use of these new technologies. Presentations will be offered in the areas of Biodiversity, Chemistry, Environmental Informatics, Knowledge Organisation Systems, Mapping Technologies, Cultural Heritage in Museums, Libraries and Archives. The workshop will close with a common discussion.

Presentations and a summary of the discussion will be published on the Web. There is no fee for attending this workshop, but pre-registration is required: please notify Dolores Iorizzo, Imperial College Internet Centre, if you plan to attend ([d.iorizzo@imperial.ac.uk](mailto:d.iorizzo@imperial.ac.uk)).

Dolores Iorizzo

### Workshop Program

Thursday 30 of March 2006	
09:30 - 9.35	<i>Welcome and Introduction</i> Professor John Darlington, Director, Imperial College Internet Centre
09.35 - 10.00	<i>"Data Webs: Web 2.0 Alternative to Databases"</i> David Shotton, Image Bioinformatics Research Group, Department of Zoology, University of Oxford
10.00 - 10.30	<i>"Ontologies for Sharing, Ontologies for Use"</i> Chris Catton, Image Bioinformatics Research Group, Department of Zoology, University of Oxford
10.30 - 11.00	<i>"The Complexity of Knowledge in Biodiversity"</i> Andrew Jones, Computer Science, Cardiff University Malcolm Scoble, Natural History Museum, London
11.00 - 11.30	<i>"CIDOC CRM Knowledge Mapping in Biodiversity"</i> Karl-Heinz Lampe, Head of Biodiversity Informatics, Zoologisches Forschungsmuseum Alexander Koenig (ZFMK), Bonn
11.30 - 12.00	<i>"Mapping Domain Thesauri to the CIDOC CRM for Semantic Interoperability of Data Archives"</i> Doug Tudhope, School of Computing, University of Glamorgan
12.00 - 14.00	Lunch
14.00 - 14.30	<i>"Semantic Interoperability in Chemistry"</i> Henry Rzepa, Dept. of Chemistry, Imperial College London
14.30 - 15.00	<i>"Waking from a Dogmatic Slumber: A Different View of Knowledge Management for Digital Libraries"</i> Martin Doerr, Centre for Cultural Informatics, Foundation for Research and Technology, Crete (FORTH)
15.00 - 15.30	<i>"Harmonising not Harming: Toward an Object-Oriented Formulation of the FRBR-CRM Ontology"</i> Patrick Le Boeuf, Bibliotec Nationale, Paris
15.30 - 16.00	Coffee Break

16.00 - 16.30	"Semantic Integration and Interoperability in European Digital Cultural Heritage Collections" Matthew Addis, IT Innovations, Southampton
16.30 - 17.00	"CRM Core: Multimedia Interoperability for Cultural Heritage?" Patrick Sinclair, Dept of Computing (Intelligence, Agents and Multimedia Group), University of Southampton
17.00 - 17.45	Plenary Session and Discussion
17.50 - 18.00	Closing Remarks Martin Doerr, Dolores Iorizzo and Lorna Hughes