

SCHEMAS

Contract: N° IST-1999-10100

Forum for Metadata Schema Implementers

METADATA WATCH REPORT #4

D25

Document number:

SCHEMAS-PwC-WP2-D25-Final-20010425

General Information

Title	Metadata Watch Report #4
Creator	Makx Dekkers
Subject-Keywords	Deliverable D25; WP2; Metadata Watch Report #4; Metadata activity reports
Description	This document comprises the top-level synthesis for D25, Metadata Watch Report #4
Publisher	PricewaterhouseCoopers
Date	25 April 2001
Type	Text Manuscript
Format	application/MSWord 2000
Identifier-Document Number	SCHEMAS-PwC-WP2-D25-Final-20010425
Language	English
Rights	European Commission; Internal circulation within project; External circulation via SCHEMAS Web site

Dublin Core metadata for this document

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<META NAME="DC.Title" CONTENT="Metadata Watch Report #4">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#title">

<META NAME="DC.Creator" CONTENT="Makx Dekkers">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#creator">

<META NAME="DC.Subject" CONTENT="Deliverable D25">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#subject">

<META NAME="DC.Subject" CONTENT="WP2">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#subject">

<META NAME="DC.Subject" CONTENT=" Metadata Watch Report #4 ">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#subject">

<META NAME="DC.Description" CONTENT="This document comprises the top-level synthesis for
D25, Metadata Watch Report $4">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#description">

<META NAME="DC.Publisher" CONTENT="PricewaterhouseCoopers">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#publisher">

<META NAME="DC.Date" CONTENT="(SCHEME=ISO8601) 2001-04-25">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#date">

<META NAME="DC.Type" CONTENT="Text.Manuscript">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#type">

<META NAME="DC.Format" CONTENT="(SCHEME=IMT) application/MSWord">
<LINK REL=SCHEMA.dc HREF="http://purl.org/metadata/dublin_core_elements#format">
<LINK REL=SCHEMA.imt HREF="http://sunsite.auc.dk/RFC/rfc/rfc2046.html">

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1. Introduction

This deliverable is the fourth Metadata Watch Report from the SCHEMAS project. As specified in the project objectives, the purpose of the SCHEMAS Metadata Watch (MD Watch) is to provide a quarterly overview of world-wide progress in the metadata field, which includes work on metadata sets, schemas, frameworks, registries, and the tools needed to create and use all of these.

This fourth report describes the work that has been done by SCHEMAS partners PricewaterhouseCoopers, UKOLN and GMD, as well as by a number of correspondents in the following domains:

- Academic sector
- Audio-visual sector
- Cultural Heritage sector
- Educational sector
- Environmental sector
- Geographical information sector
- Publishing sector

2. Objective

This fourth metadata watch report is different from the previous three in that it does not include textual reports from the domain experts. Instead, it describes the activities that have been undertaken by these experts to update the structured activity reports that will be included in the prototype database.

3. Methodology

In the preparation of the activity reports to be included in the database, a conversion was done from the original text format of the reports to an RDF format, using the SCHEMAS schema as the structural definition.

As an example, the RDF record for the one of the records in the Academic sector looks like this:

```
<?xml version="1.0" ?>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:dc="http://dublincore.org/2000/03/13-dces#"
  xmlns:sv="http://dublincore.org/2000/06/21-schemas#">
  <rdf:Description rdf:about="http://www.desire.org/">
    <sv:review-date>2001-03-19</sv:review-date>
    <sv:deliverable>D25</sv:deliverable>
    <sv:correspondent>Michael Day</sv:correspondent>
    <sv:sector rdf:resource="http://dublincore.org/2000/06/21-
      schemas#Academic" />
    <dc:title>DESIRE: Development of a European Service for Information on
      Research and Education</dc:title>
    <dc:type rdf:resource="http://dublincore.org/2000/06/21-
      schemas#Project" />
    <dc:creator>DESIRE project partners</dc:creator>
```

```

<dc:description>Phase 1 of the DESIRE project was funded by the European Union's Telematics Application Programme and covered a wide range of different topics. Phase 2 began in July 1998 and continued the work of DESIRE I, but with a more focussed scope, primarily: distributed Web indexing, subject-based Web cataloguing, directory services, and caching.</dc:description>
<dc:date>1996-2000</dc:date>
<dc:contributor>Tracey Hooper, DESIRE Project Manager, Institute for Learning and Research Technology, University of Bristol, 8-10 Berkeley Square, Bristol BS8 1HH, UK.</dc:contributor>
<dc:identifier>http://www.desire.org/</dc:identifier>
<sv:expert>DESIRE is a wide-ranging project that has been steadily progressing from its inception in 1996 to its close in 2000. Its most recent work centered on information gateways and the development of tools that can facilitate Internet resource discovery. Phase II of the project has seen the production of an important guide to information gateways (the 'DESIRE Information Gateways Handbook') and the testing of a pilot metadata registry service.</sv:expert>
</rdf:Description>
</rdf:RDF>

```

After submission by the correspondents, the records will undergo a quality and consistency check by PricewaterhouseCoopers and GMD.

4. Results

A total of 58 activities have been described (with one activity described twice by different correspondents).

<i>Domain</i>	<i>Short name</i>	<i>Full name</i>
Academic	DESIRE	DESIRE: Development of a European Service for Information on Research and Education
	FGDC-BMP	Biological Data Profile of the Content Standard for Digital Geospatial Metadata
	IMESH	IMesh Toolkit
	OAI	Open Archives Initiative
	OAIS	Reference Model for an Open Archival Information System
	PICS	Platform for Internet Content Selection
	RDF	Resource Description Framework
	RDN	Resource Discovery Network
	Renardus	academic subject gateway service in Europe
	ROADS	Resource Organisation and Discovery in Subject-based services
	Species2000	index to all of the world's known species
	TEI	Text Encoding Initiative
	ZBIG	Z39.50 Biology Implementers Group
Audio-visual	Indecs	Indecs Metadata Framework
	MPEG7	Moving Picture Coding Experts Group
	Pmeta	EBU P/Meta Project
	SMEF	Standard Media Exchange Framework
	SMPTE	Society of Moving Pictures and Television Engineers
	TV-Anytime	TV-Anytime Metadata
Cultural Heritage	Interpares	International Research on Permanent: Authentic Records in Electronic Systems

<i>Domain</i>	<i>Short name</i>	<i>Full name</i>
	NAA	Recordkeeping Metadata Standard for Commonwealth Agencies
	NRKMS	New South Wales Recordkeeping Metadata Standard
	PITT	Functional Requirements for Evidence in Recordkeeping (the Pittsburgh Project)
	RKMS	Recordkeeping Metadata Project
	UBC	Preservation of the Integrity of Electronic Records
	CEDARS	CURL Exemplars in Digital Archives
	EPF	Emulation for Preservation
	MALVINE	Manuscripts and Letters via Integrated Networks in Europe
	META-LIB	Metadaten-Projekt deutscher Bibliotheken
	MOA	Making of America II Testbed Project
	NEDLIB	Networked European Deposit Library
	NISO-AU	Data Dictionary: Technical Metadata for Digital Still Images
	NLA	Preservation Metadata for Digital Collections
	OCLC-RLG	OCLC and RLG Working Group on Preservation Metadata
	PANDORA	PANDORA: Preserving and Accessing Networked Documentary Resources of Australia
	RLGWG	Research Libraries Group Working Group on Preservation Issues of Metadata
Education	IEEE LTSC LOM	IEEE Learning Technologies Standardization Committee Learning Object Metadata working group
	DCMI Education	Dublin Core Education group
	CEN/ISSS LTWS	CEN/ISSS Learning Technologies WorkShop
Environment	ETC/CDS	European Topic Centre on Catalogue of Data Sources
Geographic	AVID	Added Value Information Dissemination from Hydrographical Data Sets
	ETeMII	European Territorial Management Information Infrastructure
	FGDC	Federal Geographic Data Committee
	GEIXS	European Geological Data Resource
	Geo-ID	Geospatial Information Directory
	Geoserve	The European Network for Geodata Access and Services
	LaClef	European Geographic Information network
	NGDF	National Geospatial Data Framework
Publishing	CROSSREF	Links between citations and content
	EBX	Electronic Book Exchange
	EPICS	EDItEUR Product Information Communications Standard
	DOI	Digital Object Identifier
	Indecs	Interoperability of data in e-commerce systems
	ISBN	International Standard Book Number
	ISTC	International Standard Text Code
	ISWC	International Standard Work Code for Music
	MICI	Metadata Information Clearinghouse (Interactive)
	NewsML	News XML specification
	NITF	News Industry Text Format

5. Additional activities

In the quality and consistency check, the records will be verified. In one case (Indecs), two correspondents provided a review. The team will merge these two reviews into one record. After this check, the records will be loaded into the database.

In the work on future Metadata Watch reports, the database records will be kept up-to-date. There will furthermore be an analysis of the overlap between the Metadata Watch and Standards Framework activities, to achieve a streamlining of the information that SCHEMAS provides to its audience.