

SLA Standards Session

Washington, DC

1:30 – 3:30 PM Tuesday June 16, 2009

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Presentation Outline

- What the SLA and other standards committees do
- How to get involved
- A flavor other “Standards Bodies”
 - W3C
 - Government activities (not just US)
 - Registries
- Additional Information Sources

What Does the SLA Standards Committee Do?

- Read , consider and vote on NISO Standards
 - On behalf of the Association
 - Enhance awareness of those standards throughout the membership
- Be aware of other standards activities
- Inform the Board of Directors on Standards actions and effects on the profession

How to get involved

- ❑ As a committee member – tell the incoming president you are interested.
- ❑ SLA is a voting member of NISO
- ❑ Talk to Michael Kim
- ❑ Get on the list serves and read and comment or question
- ❑ Works in conjunction with the Cataloging committee

Standards process

Idea

Committee

Approval as a work item

Standards Committee

Draft

Comment

Revise

Vote, consensus

2 years

Those other standards

- ❑ ~~W3C – World Wide Web Consortium~~
- ❑ Z39 (NISO)
- ❑ X13 (computer and data) CBEMA
- ❑ ISO
- ❑ US Government
- ❑ Other nations
- ❑ International communities
- ❑ Communities of Interest

W3C

-
- **Section 1 - World Wide Web Consortium (W3C)**
-
- **W3C -- Representing Content in RDF**
First Public Working Draft
Provides a vocabulary to represent content in RDF, and is flexible enough to be utilized for any type of content available on the Web or in local storage media. The document contains introductory information on its usage and some examples.
- **W3C -- HTML 5**
A vocabulary and associated APIs for HTML and XHTML
Editor's Draft 23 October 2008
- **W3C -- RDFa in XHTML: Syntax and Processing**
A collection of attributes and processing rules for extending XHTML to support RDF
W3C Recommendation 14 October 2008
- **W3C -- SPARQL Query Language for RDF**
W3C -- SPARQL Protocol for RDF
W3C -- SPARQL Query Results XML Format
W3C Recommendation, January 15, 2008
- **W3C -- SKOS Simple Knowledge Organization System Reference**
W3C Working Draft 9 June 2008
- **W3C -- SKOS Simple Knowledge Organization System Primer**
W3C Working Draft 21 February 2008

NISO / ISO / CBEMA

- Z39.....
- X13.....
- Terminology
 - Is not a taxonomy or a thesaurus
 - Glossaries
 - Same concept mappings
- Registries

Metadata registries

- Registry Authoritative, centrally controlled store of information.
<http://www.w3.org/TR/ws-gloss/>

On-going projects of KOS Registries and Terminology Services

- HILT (High Level Thesaurus) project
<http://hilt.cdlr.strath.ac.uk/index.html>
- OCLC Terminologies Service
Research:
<http://www.oclc.org/research/projects/termservices/>
Service: <http://www.oclc.org/terminologies/default.htm>
- NSDL [vocabulary] Registry
<http://metadataregistry.org/vocabulary/list.html>

More ongoing.....

- STAR (Semantic Technologies for Archaeological Resources)
<http://hypermedia.research.glam.ac.uk/kos/star/>
- SKOS terminology services
http://hypermedia.research.glam.ac.uk/kos/terminology_services/
- TRSS (Terminology Registry Scoping Study) <http://www.ukoln.ac.uk/projects/trss/>
- **NKOS Listserv**



Types of Registries

- ❑ Metadata / Schema Registries
- ❑ Terminology Registries / Repositories
- ❑ Service / Collection Registries
- ❑ Data Standards Registries

Meta Data Schemas

The screenshot shows a Windows Internet Explorer browser window displaying the CORES website. The address bar shows the URL <http://www.cores-eu.net/>. The browser's search bar contains the text "UKOLN CORES Registry". The website's header features the CORES logo, which consists of a circular arrangement of stars, and the tagline "A Forum on Shared Metadata Vocabularies" next to the European Union flag. A navigation menu includes links for Home, Project, Partners, Contact, and Glossary. On the left side, there are four vertical menu items: Standards Interoperability Forum, Registry, Information Services, and Intranet. The main content area begins with a paragraph: "The central objective of the CORES project is to encourage the sharing of metadata semantics. CORES will address the need to reach consensus on a data model for declaring semantics of metadata terms in a machine-readable way. Consensus on the ground-rules for declaring standard definitions of terms, as well as local usage and adaptations, will enable the diversity of existing standards to 'play together' in an integrated, machine-understandable Semantic Web environment." Below this is another paragraph: "In order to achieve this level of interoperability, CORES will support applications re-using and adapting terms maintained by key organizations and standardisation initiatives." A section titled "News from CORES" contains a bulleted list of four items: a paper on metadata schema registries, the availability of the final project report, an article on identifying metadata elements with URIs, and a report on the signing of the CORES Resolution. At the bottom of the page, there is a section for the "Standards Interoperability Forum". The browser's taskbar at the bottom shows several open applications, including Eudora, SLA 2009 Standards, and the CORES website itself. The system tray indicates a 100% zoom level and the time is 5:33 AM.

CORES - Windows Internet Explorer
http://www.cores-eu.net/
Google UKOLN CORES Registry
Access Innovations - Kn... System of Registries | S... Federal Enterprise Arch... CORES
CORES A Forum on Shared Metadata Vocabularies
Home | Project | Partners | Contact | Glossary
Standards Interoperability Forum
Registry
Information Services
Intranet
The central objective of the CORES project is to encourage the sharing of metadata semantics. CORES will address the need to reach consensus on a data model for declaring semantics of metadata terms in a machine-readable way. Consensus on the ground-rules for declaring standard definitions of terms, as well as local usage and adaptations, will enable the diversity of existing standards to "play together" in an integrated, machine-understandable Semantic Web environment.
In order to achieve this level of interoperability, CORES will support applications re-using and adapting terms maintained by key organizations and standardisation initiatives
News from CORES

- A paper "Metadata schema registries in the partially Semantic Web : The CORES experience", by Rachel Heery, Pete Johnston, Csaba Fülöp and Andras Micsik, was given at for DC-2003.
- The Final Project Report is available.
- An article "Identifying metadata elements with URIs : The CORES Resolution", by Thomas Baker and Makx Dekkers, was published in the Jul/Aug 2003 issue of *DLib*.
- DOI News reported the International DOI Foundation's signing of the CORES Resolution.

Standards Interoperability Forum
Start Eudora - [NKOS] (Not Re... SLA 2009 Standards.ppt ... CORES - Windows Int... registry-zeng.pdf - Adob... 100% 5:33 AM



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NEWS

- [Canadian Subject Headings now part of OCLC Terminologies Service](#)

[More news >>](#)

The Terminologies Service provides access to multiple controlled vocabularies to help you create consistent metadata for your library, museum, or archive collections. Now it's as easy as copy-and-paste into a workform or template once you find a term to use in your description, improving the description of (and access to) your digital and hard copy materials.

Service registries

The screenshot shows a Windows Internet Explorer browser window displaying the IESR website. The address bar shows the URL <http://iesr.ac.uk/>. The page features the IESR logo and navigation links: Home, About, Use, Contribute, Specifications, Publications, and Latest Additions. A search bar is present with the text "Search IESR" and a "Search" button. Below the search bar, there are links for "More search options" and "Search IESR from your browser". The main content area is divided into three columns: "Use", "Contribute", and "News". The "Use" column describes IESR as a resource discovery tool. The "Contribute" column encourages users to promote their resources. The "News" column lists recent updates, including RSS Feeds, Search Plug-ins, The IESR Website, New IESR tools, and DRAI Data Loaded. The browser's taskbar at the bottom shows several open applications, including Eudora, SLA 2009 Standards.ppt, and registry-zeng.pdf.

Data Registries EPA.gov

System of Registries | System of Registries | US EPA - Windows Internet Explorer

http://iaspub.epa.gov/sor_internet/registry/sysofreg/home/overview/home.do

U.S. ENVIRONMENTAL PROTECTION AGENCY

System of Registries

Search: All EPA Go [Advanced search](#)

You are here: [EPA Home](#) » [SoR Home](#) » [Overview](#)

Home | **Vision & Planning** | **What is a Registry?** | **Roles** | **Outreach & Education** | **Training**

Overview | Basic Information | Roles in Data Quality | Roles in Enterprise Architecture

Enabling Discovery, Understanding, and Sharing of Environmental Data

The System of Registries (SoR) is a resource for environmental system developers and enterprise architects. It also provides environmental program managers and users of environmental information with automated services to enable better understanding of environmental terminology and data used by the Agency.

Data standards are an integral part of these services. Information about data standards may be accessed on the separate [Data Standards Web Site](#).

 System Inventory Services <ul style="list-style-type: none">System/Application InformationData SetsEnvironmental ModelsAlso known as the Registry for EPA Applications, Models and Datasets (READ)	 Data Registry Services <ul style="list-style-type: none">Data DictionariesCode SetsStandard Data ElementsConcepts and MeaningsMappings to Data Standards and Systems	 Substance Registry Services <ul style="list-style-type: none">ChemicalsBiologicalsPhysical PropertiesStandard and Programmatic Name
 Reusable Component Services <ul style="list-style-type: none">Web ServicesSchema	 Terminology Services <ul style="list-style-type: none">Terms and DefinitionsGlossaries	 Facility Registry System <ul style="list-style-type: none">NamesLocations

DataHarvest

Start | Eudora - [In] | Microsoft PowerPoint no... | System of Registries ... | 100% | 5:12 AM

Sharing actual data



The screenshot displays the EPA System of Registries website. At the top right, it says "U.S. ENVIRONMENTAL PROTECTION AGENCY" with a "Share" button. The main header is "System of Registries". Below this is a search bar with "All EPA" selected and a "Go" button, along with a link to "Advanced search". A breadcrumb trail reads: "You are here: EPA Home » SoR Home » Roles » Exchange Network Partners". A navigation menu includes "Home", "Vision & Planning", "What is a Registry?", "Roles", "Outreach & Education", and "Training". Below the menu, there are links for "User Roles", "Data Standards Branch", "Architects", and "Exchange Network Partners". The main content area is titled "Exchange Network Partners" and includes a sub-header "Exchange Network partners use the:" followed by a bulleted list of services.

U.S. ENVIRONMENTAL PROTECTION AGENCY

System of Registries

Contact Us Search: All EPA Go Advanced search

You are here: EPA Home » SoR Home » Roles » Exchange Network Partners

Home Vision & Planning What is a Registry? Roles Outreach & Education Training

User Roles Data Standards Branch Architects Exchange Network Partners

Exchange Network Partners

Exchange Network partners use the:

- Data Registry to register code sets and data dictionaries
- Terminology Services for vocabularies
- Substance Registry Services (SRS) for substance lists and substance identification information; e.g., for chemicals
- Facility Registry System (FRS) for information about facilities
- Reusable Component Services for reusable assets that are used in exchange of information across the Network

[Home](#)[Browse](#)[Search](#)[All Mappings](#)[Submit New Ontology](#)

Ontology Name	Format	Version	Author	Uploaded On	
African Traditional Medicine	OBOF	1.0.1	Ghislain Atemezino See Remote Site	04/15/2008	
Amino Acid			Event (INOH pathway ontology)	Event Administrators	08/22/2008
Amphibian gross anatom			Evidence codes	Michael Ashburner	05/29/2008 Explore
			eVOG (Expressed Sequence Annotation for Humans)	Evoc Administrators	08/22/2008
			Fly taxonomy	Michael Ashburner	08/24/2007 Explore
			FlyBase Controlled Vocabulary	Evidence_code Administrators	07/30/2008 Explore
			FMA		01/16/2007 Explore
			Foundational Model of Anatomy (subset)	Http://obo Administrators	08/22/2008
			Fungal gross anatomy	Fungal_anatomy Administrators	07/30/2008 Explore
			Galen		01/16/2007 Explore
			Gene Regulation Ontology	Vivian Lee	08/22/2008
			Gene Regulation Ontology (GRO)	Vivian Lee	06/25/2008 Explore
			Habronattus courtship	Http://www Administrators	08/22/2008
			Human developmental anatomy, abstract version	EMAP Administrators	07/30/2008 Explore
			Human developmental anatomy, timed version	EMAP Administrators	07/30/2008 Explore
			Human disease	Human_disease Administrators	08/01/2008 Explore
			ICD9	LEXGRID-XML	05/16/2008 Explore

ISO/IEC 11179

Metadata Registry (MDR)

- ***Part 1: Framework;*** introduces fundamentals that are essential to the understanding of the whole set of standards
- ***Part 2: Classification;*** discusses registering and administering all or part of a classification scheme
 - (CLASSIFICATION schemes include: key words, thesauri, taxonomies, and ontologies)
- ***Part 3: Registry metamodel and basic attributes;*** specifies a conceptual model for a metadata registry



ISO/IEC 11179

Metadata Registry (MDR)

- ***Part 4: Formulation of data definitions;*** provides guidance on how to develop unambiguous data definitions
- ***Part 5: Naming and identification principles;*** states the formal naming and identification of metadata items
- ***Part 6: Registration;*** defines identification, quality, and provenance of metadata in a metadata registry

NKOS IKOS

- Marcia Zeng Kent State University
- NKOS Workshop at ECDL in Aarhus:
- <http://www.comp.glam.ac.uk/pages/research/hypermedia/nkos/nkos2008/programme.html>

NKOS Special Session at DC 2008 in Berlin, all in one single pdf file:

- <http://dc2008.de/wp-content/uploads/2008/09/nkos.pdf>

□

The Joint NKOS/CENDI Workshop "New Dimensions in Knowledge Organization Systems", in Washington, DC, USA on September 11, 2008 made available its presentations at:

- <http://nkos.slis.kent.edu/2008workshop/NKOS-CENDI2008.htm>

Semantic Activities

- <http://federaldata.wik.is/@api/deki/files/89/=BrandNiemann05202009.ppt>
- http://federaldata.wik.is/Federal_Enterprise_Architecture_Reference_Model_Revision_Submission_Form
- http://federaldata.wik.is/May_13%2c_2009_Semantic_Web_Meetup



log in register

Federal Data Web 2....

- Blog (Web Log)
Cambridge Semantic...
Comments and Innov...
Federal Data Archite...
Federal Data Refere...
Federal Data Refere...
Federal Enterprise A...
David C. Hay 04/22/...
David C. Hay 04/15/...

My Page Recent changes Tools Help Go Pro
Edit page New page Print page More Table of contents
Page last modified 15:44, 13 May 2009 by Admin

Federal Enterprise Architecture Reference Model Revision Submission Form (DRM 3.0)

Created by Brand Niemann, April 6, 2009, 5:52 p.m.
See http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2009_Communique
Architecture & Infrastructure Committee: Governance Subcommittee Meeting (Agenda) Report on Compilation of DRM Comments, Brand Niemann and Rick Murphy, DRM Community of Practice, April 10, 2009. Slides. Compilation of Comments.
In terms of my submissions, you may like to review the original language from November which contains sufficient detail to pass this stage of the RMMP screening process. Best wishes, Rick
See David C. Hay Comments, April 15th and two sets of slides at bottom of page. david.hay@capgemini.com, dch@essentialstrategies.com
See EPA DRM 3.0 and Data.Gov Pilot, April 21
See A Target Enterprise and Data Architecture for the US EPA: Implementing DRM 3.0 and Data.gov, April 23
See David C. Hay Comments, April 22nd
April 29, 2009, Research on Data Management and Information Sharing Technology in the United States (Japanese Delegation DoD) led by Professor Hajime Horiuchi, Professor of Information Engineering, Faculty of Commerce, Tokyo International University and Vice President of UMTF Japan. Invited Briefing. Questionnaire for the DoD MDR and Centric Data Strategy.
May 1, 2009, W3C Use Case for Persistent URIs.

Meetup and Vocabulary Camp

The screenshot shows a Windows Internet Explorer browser window displaying a MindTouch page. The browser's address bar shows the URL http://federaldata.wik.is/May_13%2c_2009_Semantic_Web_Meetup. The page title is "May 13, 2009 Semantic Web Meetup - Federal Data Web 2.0 Wiki Pilot".

The MindTouch page features a navigation menu with "My Page", "Recent changes", "Tools", "Help", and "Go Pro". Below this is a search bar and a "find" button. A secondary navigation bar includes "Edit page", "New page", "Print page", "More", and "Table of contents". A status box on the right indicates the page was last modified on May 20, 2009, at 19:21, by Mills Davis.

The main content area is titled "May 13, 2009 Semantic Web Meetup" and includes the following details:

- What:** Social Networking and the Semantic Web
- When:** Wednesday, May 13, 2009 7:00 PM
- Who:** There's for 253 more.
- Where:** Johnson Center Cinema at GMU, 4400 University Drive, Fairfax VA 22030, (703) 993-2921

The "Meetup Description:" section contains the following text:

It seems like there are a million different social networks now. Web 2.0 has certainly received a lot of press lately - much of it well-deserved, but much of it over-hyped too. Movie stars "tweet". Rock bands have blogs and Myspace pages. Even the White House is getting into the act, and everyone is talking about Gov 2.0.

What does all of this mean, and what does it have to do with the Semantic Web? Is Web 3.0 just over the horizon? This month, the Washington Semantic Web Meetup is teaming with the GMU Center for History and New Media in Fairfax. We will be taking over the Johnson Center Cinema for an exciting evening full of discussions on social networking semantics.

Our main speaker will be Mills Davis, of Project 10X. Mills is a well-known figure in the Semantic Web community, with many years of experience in the field. He will be discussing new developments in social networking and semantic technologies within government and private industry. [Slides](#)

We will then have several presentations and demonstrations of new products and services related to the intersection of social networking and the Semantic Web. Our other speakers are:

- Dan Cohen, Zotero (GMU CHNM) [Slides](#)
- Andy Roth, Glue (Adaptive Blue) [Slides](#)
- Mike Petit, OpenAmplify (Hapax) [Slides](#)

After the presentations, the speakers will then form a panel, and answer questions from the audience. Brian Eubanks, the Meetup

The left sidebar of the page includes a "mindtouch" logo, a "log in" button, a "register" button, and a list of navigation links such as "Blog (Web Log)", "Cambridge Semantic...", "Comments and Innov...", "Federal Data Archite...", "Federal Data Refere...", "Federal Enterprise A...", "Federal Enterprise A...", and "Federal Semantic Int...".

The bottom of the browser window shows the Windows taskbar with the Start button, several open applications (Eudora, SLA 2009 Standar..., 1 [Read-Only], SLA 2009 Standar...), and the system tray showing the date and time as 5:22 AM on May 13, 2009.



Keeping up on terms and registries

- NKOS
- Networked Knowledge Organization Systems
- <http://listserv.oclc.org/archives/nkos-l.html>
- <http://nkos.slis.kent.edu/>
- Marcia Zeng maintains this information

Thank you for attention!

Marjorie M. K. Hlava

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