

DAML Ontology Library

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OntoLog Forum
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DAML Ontology Library

- Created early in the DARPA Agent Markup Language program
 - Organize content
 - Promote reuse
 - Demonstrate adoption
- 282 DAML+OIL and OWL ontologies submitted from October 2000 – December 2003
- Cited in several ISWC papers
 - Property (Feature) use across libraries
- Largely replaced by Ontaria and SchemaWeb
- Available at <http://www.daml.org/ontologies/>
 - daml.org now archived at W3C

Structure

- Web-based submission
- MySQL database containing metadata and descriptive information
- Servlet user interface for browsing

Example

Ontology <http://reliant.teknowledge.com/DAML/SUMO.owl>

Link

<http://reliant.teknowledge.com/DAML/SUMO.owl> ([hyperdaml](#)) ([dumpont](#))

Description

Standard Upper Merged Ontology proposal to the IEEE Standard Upper Ontology effort

Point of Contact

[Adam Pease](#) of Teknowledge Corporation

Submitter

[Adam Pease](#) of Teknowledge Corporation

Submission Date

2001-06-05

Keywords

upper ontology

[Open Directory Categories](#)

Classes

AbnormalAnatomicalStructure
Abstract
Adjective

Properties

AbsoluteValueFn
AbstractionFn
age

Namespaces Used

<http://reliant.teknowledge.com/DAML/SUMO.owl>
<http://www.w3.org/1999/02/22-rdf-syntax-ns>
<http://www.w3.org/2000/01/rdf-schema>
<http://www.w3.org/2002/07/owl>

Funding Source

Other: Army

Notes

Army funding was used to create the ontology, DAML funding was used to create a translator which allowed it to be expressed in DAML

from <http://www.daml.org/ontologies/172>

Lessons Learned

- Curation/quality control
 - Many users desired some indication of use and quality of the ontologies, e.g. user ratings
- Cacheing
 - Many links subsequently became unavailable
 - Desirable to store (and make available) local copies

Suggestions

- Validate inputs/updates
- Indicate language dialect and/or complexity
- Manual review may be necessary to reduce SPAM and duplicates
- Provide a SPARQL endpoint for querying content

Swoogle

- <http://swoogle.umbc.edu>
- Semantic Web crawler and search engine
 - Focused more on ontologies than instances
- Over 10,000 ontologies
- Widely cited
- Tim Finin and others at UMBC are interested in continuing development

Swoogle Examples

Want more results? [Login](#)

Swoogle semantic web search

[ontology](#) [document](#) [term](#) [more >>](#)

AbnormalAnatomicalStructure [?](#)

[RDF version](#)

list terms (URI references) matching term search 1 - 10 of total 21 results for AbnormalAnatomicalStructure in 0.19 seconds

- [AbnormalAnatomicalStructure](#)
<http://www.micra.com/ontologies/COSMO.owl#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=37]
<http://reliant.tekknowledge.com/DAML/SUMO.daml#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=3]
<http://reliant.tekknowledge.com/DAML/SUMO.owl#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
<http://www.ontologyportal.org/translations/SUMO.owl.txt#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
<http://www.ontologyportal.org/translations/SUMO.owl#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
<http://ontologyportal.org/translations/SUMO.owl.txt#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
http://coli.lili.uni-bielefeld.de/~felix/lehre/ws04_05/ontologischeRessourcen/beispiele/uebergreifende-ontologien/sumo.owl#AbnormalAnatomicalStructure, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
<http://www.schemaweb.info/webservices/rest/GetRDFByID.aspx?id=94#AbnormalAnatomicalStructure>, [metadata](#)
- [AbnormalAnatomicalStructure](#)
[TYPE] [rdfs.Class=1]
http://codespeak.net/svn/z3/zemantic/branch/tseaver-distutils_reorg/data/sumo.rdf#AbnormalAnatomicalStructure, [metadata](#)
- [AbnormalAnatomicalStructure](#)

Swoogle semantic web search

MAIN MENU

- swoogle search
- swoogle statistics
- swoogle trackback
- submit url

DOCUMENTATION

- publications
- manual
- news

LINKS

- project home
- swoogle 2005

LOGIN FORM

Username

Password

Remember me

Lost Password?
No account yet?
Register

BSQ SITESTATS SUMMARY

Site Stats Summary

	Hits	Visitors
Today	4132	380
Week	47063	3302

Swoogle's Statistics of the Semantic Web

Swoogle Today

admin_dt	2008-02-28 00:02:57	Datetime Watched
url_total	6,933,746	Number of URLs being discovered
url_pinged	3,904,308	Number of URLs being pinged
total_swd	2,418,811	Number of Semantic Web Documents (regardless of embedded or containing some errors) be confirmed.
total_swd_strict	1,349,050	Number of error-free pure Sematic Web Documents
total_swd_embed	867,346	Number of documents (except SWDs, PDF, and JPEG) embedding Semantic Web Data
triple_total	585,366,088	Number of triples could be parsed from all Semantic Web Documents.

[manual](#) [news](#) [faq](#) [web-service](#) [submit-url](#) [sw-archive](#) [feedback](#) [swoogle2005](#)

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Ontaria

- <http://www.w3.org/2004/ontaria/>
- Ontology and data directory
- Developed by Sandro Hawke at W3C
- Currently in disrepair



Ontaria

Easy Access to the Semantic Web

The Ontario Server is down for a major overhaul. We apologize for the inconvenience.

About Ontario

Summary

Ontaria is a searchable and browsable directory of semantic web data. Our focus is RDF vocabularies with OWL ontologies, but all the RDF data we index is visible. The site is primarily intended for people creating RDF content who want to better understand which vocabularies are available and how they are being used. Beyond this, Ontario may be useful for finding and exploring arbitrary RDF content.

Like most web directories and search engines, Ontario gathers its information from other web sites, which it learns about via links and submissions.

Ontaria began as a project of W3C Semantic Web Advanced Development and moved to the [Decentralized Information Group](#) as part of a re-organization. It has been funded by DARPA's DAML program. Principal Investigator: Tim Berners-Lee. Lead Developer: Sandro Hawke.

Internals

Ontaria is an installation of SemWalker. ("Ontaria" refers to a web-based service offered by the W3C; "SemWalker" refers to the software used to offer that service. The Ontario installation is customized for browsing ontology data.)

SemWalker is open source, available under the [W3C license](#), from our [CVS repository](#). It's a little early for anyone else to seriously try using the code, but it's there.

Acknowledgements



Ontaria is a service of the W3C, managed under the Semantic Web activity.



Ontaria is funded by the DARPA DAML program.



Ontaria development centers at MIT CSAIL, in new Stata Center.

SchemaWeb

- <http://www.schemaweb.info>
- Directory of RDFS and OWL vocabularies
- Developed by Victor Lindesay
- Announced to www-rdf-interest on 19 November 2003
- Browsing shows about 200 vocabularies (a nice, relatively current collection)

SchemaWeb Examples

SchemaWeb



[Home](#) | [Browse](#) | [Search](#) | [Query](#) | [Web Services](#) | [Submit a Schema](#) | [Contact](#) | [Login](#)

Search SchemaWeb Directory

Search Results

[Suggested Upper Merged Ontology \(SUMO\)](#)

This ontology is being created as part of the IEEE Standard Upper Ontology Working Group. The goal of this Working Group is to develop a standard upper ontology that will promote data interoperability, information search and retrieval, automated inferencing, ...

[Mid-Level Ontology \(MILO\)](#)

The Mid-Level Ontology is a bridge between the abstract content of SUMO and the rich detail of the various SUMO domain ontologies.

SchemaWeb



[Home](#) | [Browse](#) | [Search](#) | [Query](#) | [Web Services](#) | [Submit a Schema](#) | [Contact](#) | [Login](#)

Suggested Upper Merged Ontology (SUMO) :: Schema Details

[[Classes and Properties](#) | [RDF](#) | [TriplesML](#) | [TriX](#) | [RXR](#)]

Name: Suggested Upper Merged Ontology (SUMO)

Description: This ontology is being created as part of the IEEE Standard Upper Ontology Working Group. The goal of this Working Group is to develop a standard upper ontology that will promote data interoperability, information search and retrieval, automated inferencing, and natural language processing.

Namespace: <http://reliant.tekknowledge.com/DAML/SUMO.owl#>

Location: <http://reliant.tekknowledge.com/DAML/SUMO.owl>

Website: <http://www.ontologyportal.org>

Contact Name: Adam Pease

Contact Email: adampease@earthlink.net

Local Version: 22/07/2006 07:15:36

[[RDF](#)]