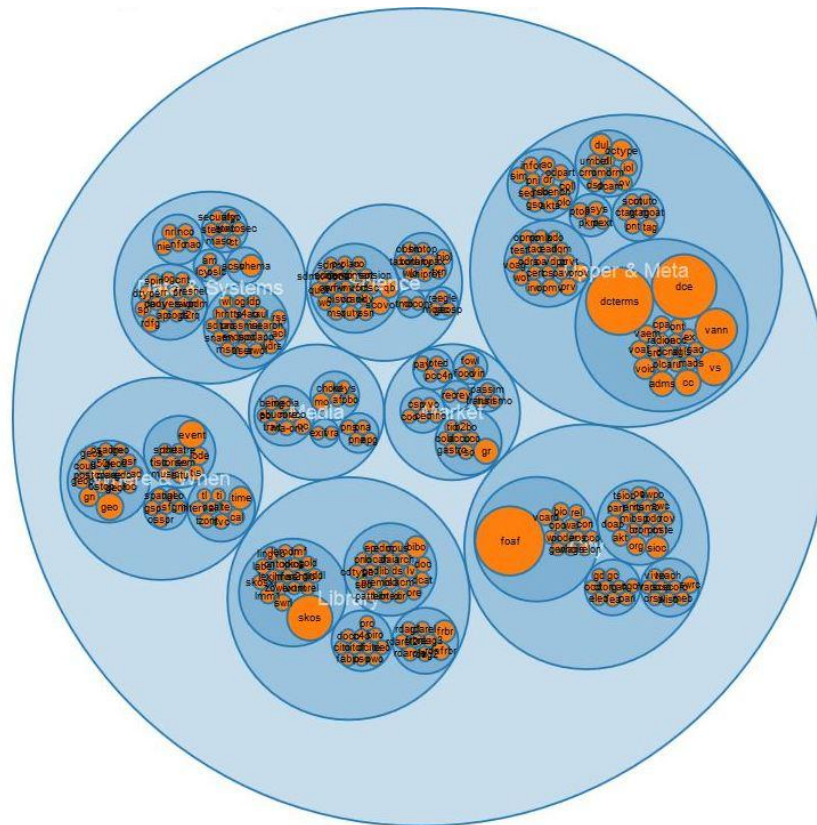




Linked Open Vocabularies



Monitoring the Vocabularies Commons

LOV at a glance



- History
 - Started 2011-Q1
 - Initially a deliverable of Datalift project : <http://datalift.org>
 - First hosted at Mondeca Labs : <http://labs.mondeca.com/>
 - 2012 : Growing interest beyond the initial scope
 - Migration to OKFN since July 2012 : <http://lov.okfn.org>
 - Open code since 2013-Q1: <https://github.com/pyvandenbussche/>
- Status as of september 2013
 - 360+ vocabularies, and counting
 - Continuous feedback from the community
 - Small management team: 5 curators, 1 technical manager

LINKED OPEN VOCABULARIES

A vocabulary in LOV



Metadata:

Property	Value
is part of vocabulary space	All > City > Society
Vocabulary URI	http://www.w3.org/ns/org#
Prefix	org
Namespace URI	http://www.w3.org/ns/org#
Description	Vocabulary for describing organizational structures, specializable to a broad variety of types of organization. @en
Date issued	2010-05-28
Last modified	2013-02-15
Language	English, French
Creator	Dave Reynolds, Dominique Guardiola
Publisher	W3C
Class number	9
Property number	35
Homepage	http://www.w3.org/TR/vocab-org/
See also	http://stats.lod2.eu/vocabularies/149
Represented by	format-org
Has review	(2012-10-02) Bernard Vatant: Currently a 0.4 is a transcription of http://www.epimor editor's draft. Versions 0.1 to 0.3 retrieved

http://lov.okfn.org/dataset/lov/details/vocabulary_org.html

Rich metadata

Vocabulary used in 5 datasets (information coming from LOD Stats project)

Occurrences	Dataset
177820	EU Who is Who
2000	Organisation (University of Southampton)
1680	EU Parliament Media Library
24	Buildings and Places (University of Southampton)
2	University of Southampton Profile Document (University of Southampton)

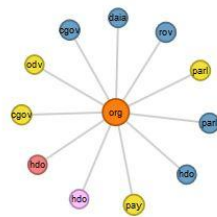
See the full list...

Usage in linked data

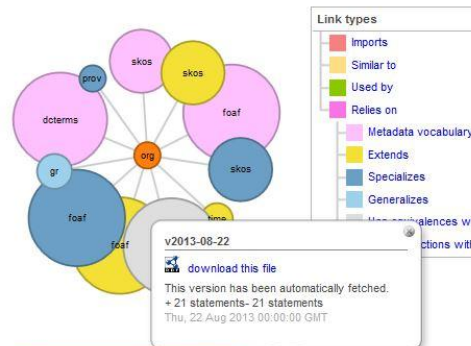


Vocabulary links:

Vocabularies referencing "org" (11)

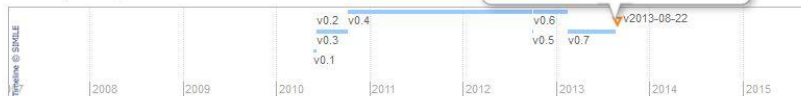


Vocabularies referenced by "org" (11)



Relations with other vocabularies

Vocabulary history:



Versions and timeline

LOV interfaces



- LOV Home : <http://lov.okfn.org>
- LOV-Search : <http://lov.okfn.org/dataset/lov/search/>
- LOV-Suggest : <http://lov.okfn.org/dataset/lov/suggest/>
- LOV-Stats : <http://lov.okfn.org/dataset/lov/stats/>
- LOV-API : <http://lov.okfn.org/dataset/lov/apidoc/>
- LOV-Bot : Daily or on-demand scan of vocabularies
- LOV-Edit : Administration and curation back-office
- SPARQL endpoint(s)
 - Vocab metadata <http://lov.okfn.org/endpoint/lov>
 - Vocab content http://lov.okfn.org/endpoint/lov_aggregator

Lessons learned



- Vocabularies in LOV are less than 13 years old
 - Oldest were published in 2000, but ...
- Tracing history is a pain
 - Finding versions
 - Finding documentation
 - Finding responsible contacts
- Publication practices are a pain
 - Variety of RDF formats
 - Variety of URI, namespace and content negotiation policies
 - URIs change without notice ...

LINKED OPEN VOCABULARIES

Cool URIs never change 😊



DUL - DOLCE+DnS Ultralite



Metadata:

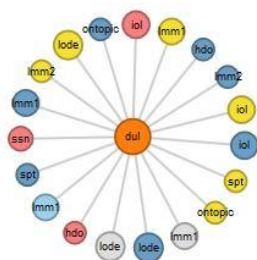
Property	Value
is part of vocabulary space	All > Upper & Meta > General & Upper
Vocabulary URI	http://www.ontologydesignpatterns.org/ont/du/DUL.owl
Prefix	dul
Namespace URI	http://www.ontologydesignpatterns.org/ont/du/DUL.owl#
Description	The DOLCE+DnS Ultralite ontology. It is a simplification of some parts of the DOLCE Lite-Plus library (cf. http://www.ontologydesignpatterns.org/ont/du/DLP397.owl) @en
Last modified	2012-07-13
Language	English, Italian
Creator	Aldo Gangemi
Class number	75
Property number	109
Has review	(2013-08-05) Bernard Vatant: Referenced by some vocabularies such as SSN or LO http://www.loa-cnr.it/ontologies/DUL.owl# . This URI is still online but stuck at version 3.22.

Referenced by some vocabularies using its former URI <http://www.loa-cnr.it/ontologies/DUL.owl#>. This URI is still online but stuck at version 3.22.

Vocabulary links:

Vocabularies referencing "dul" (19)

Vocabularies referenced by "dul" (0)



Link types

- Imports
- Similar to
- Used by
- Relies on
- Metadata vocabulary
- Extends
- Specializes
- Generalizes
- Has equivalences with
- Has disjunctions with

Vocabulary history:





Every vocabulary is a Ship of Theseus



Every bit and piece of a vocabulary is likely to change :
Content, URI, namespace, publisher, creator ...

http://en.wikipedia.org/wiki/Theseus%27s_Ship_paradox



Governance of the Commons

- Given that
 - Vocabularies keep changing
 - Creators and publishers have loose policies
 - Linked data need stable URIs and definitions
- Who's going to care?
 - Librarians, maybe?
 - Librarians are useful to track history, but can't care for the mess created by obsolete URIs.
 - We need a **collaborative and sustainable governance**
 - Involving publishers, users, standard bodies, libraries ...