



Fusing Corporate Thesaurus Management with Linked Data using PoolParty

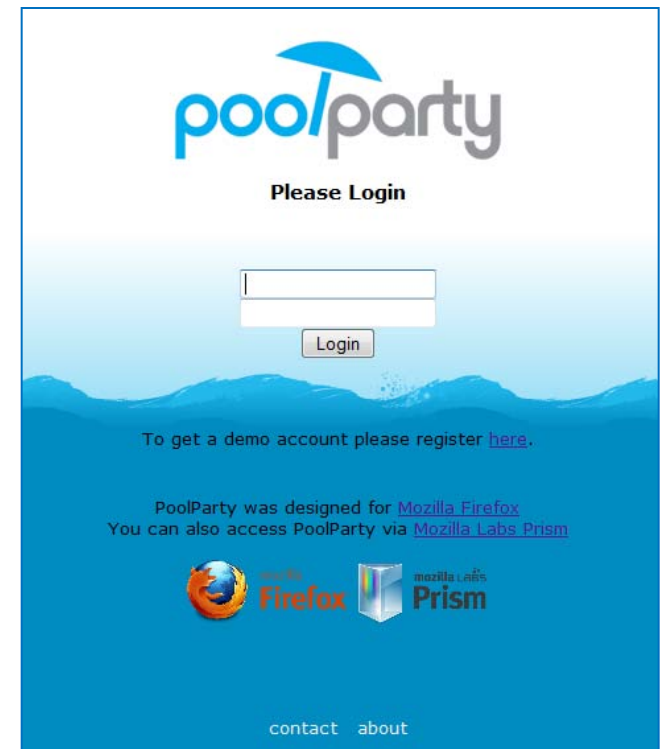
Thomas Schandl





PoolParty at a glance

- Developed by punkt. netServices
Current release: PoolParty 2.8
- Main focus on three application areas:
 - SKOS Thesaurus Management
 - Linked Data (publishing & consuming)
 - Semantic Search & Semantic Indexing





Challenge for Content Management



1. **Annotation:** Add meaning to the content
2. **Link content:** Bring content together in a meaningful way
3. **Make content searchable:** Add background knowledge to the content



Traditional approach to annotate content with metadata

Apple is in the process of launching an application to allow iPhone, iPad and iPod Touch users to purchase Apple merchandise straight from their devices.



Apple

merchandise

iPod touch

application

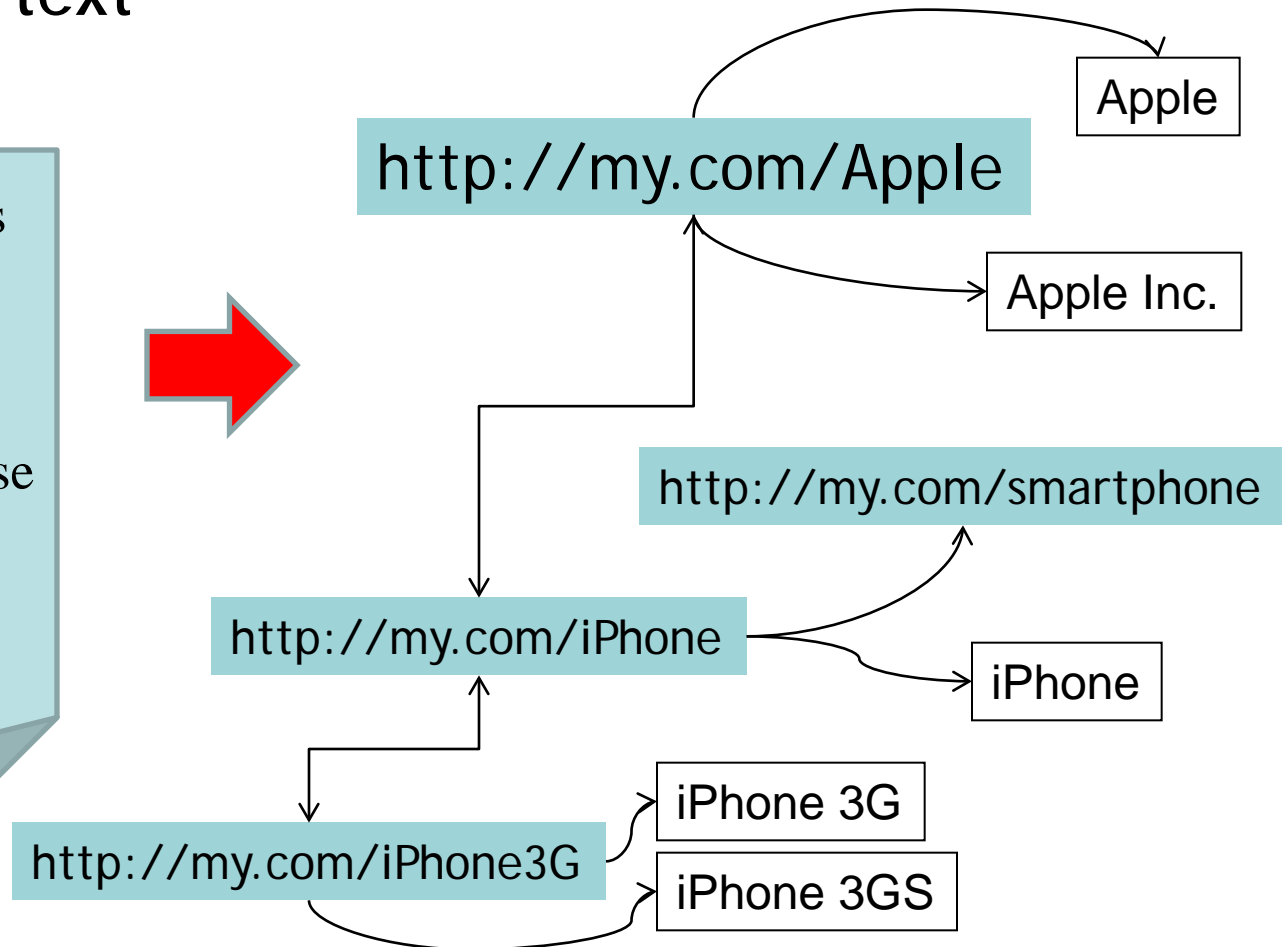
iPhone

iPad



Semantic Web approach: Concepts & Relations instead of simple text

Apple is in the process of launching an application to allow iPhone, iPad and iPod Touch users to purchase Apple merchandise straight from their devices.



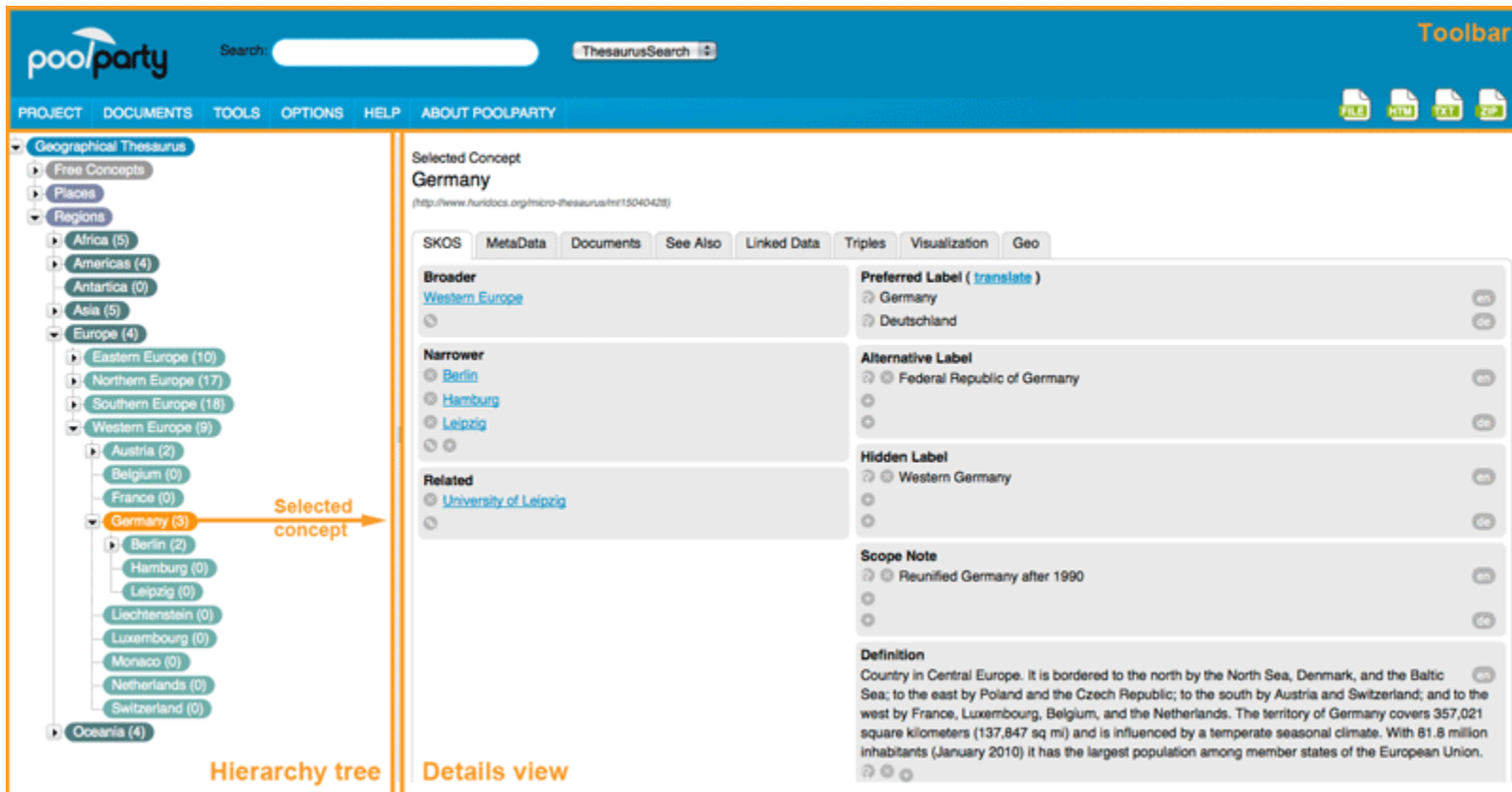


poolparty in a nutshell

- **W3C Semantic Web standards:** Management of multi-lingual (corporate) thesauri & taxonomies on top of Semantic Web standards (SKOS, RDF, OWL & SPARQL)
- **Usability:** easy-to-use, web-based AJAX user interface
- **Scalable Semantic Technologies:** RDF Triple Store (SAIL), (Lucene) index engine and a phrase-extraction component
- **Service oriented:** PoolParty Server offers a Java-API & several interfaces: HTTP web services, SPARQL endpoint, Linked Data



PoolParty GUI



The screenshot displays the PoolParty GUI interface. On the left is the **Hierarchy tree**, which shows a geographical thesaurus structure. The tree is expanded to show the **Regions** category, with **Europe (4)** selected. Under Europe, **Western Europe (9)** is expanded, and **Germany (3)** is highlighted with an orange arrow and the text "Selected concept". Below Germany, its sub-concepts **Berlin (2)**, **Hamburg (0)**, and **Leipzig (0)** are listed. Other regions like Africa, Americas, and Oceania are also visible.

On the right is the **Details view** for the selected concept **Germany**. It shows the URL <http://www.hundocs.org/micro-thesaurus/ent15040428> and several tabs: **SKOS**, **MetaData**, **Documents**, **See Also**, **Linked Data**, **Triples**, **Visualization**, and **Geo**. The **SKOS** tab is active, displaying the following information:

- Broader:** [Western Europe](#)
- Narrower:** [Berlin](#), [Hamburg](#), [Leipzig](#)
- Related:** [University of Leipzig](#)
- Preferred Label (translate):** [Germany](#), [Deutschland](#)
- Alternative Label:** [Federal Republic of Germany](#)
- Hidden Label:** [Western Germany](#)
- Scope Note:** [Reunified Germany after 1990](#)
- Definition:** Country in Central Europe. It is bordered to the north by the North Sea, Denmark, and the Baltic Sea; to the east by Poland and the Czech Republic; to the south by Austria and Switzerland; and to the west by France, Luxembourg, Belgium, and the Netherlands. The territory of Germany covers 357,021 square kilometers (137,847 sq mi) and is influenced by a temperate seasonal climate. With 81.8 million inhabitants (January 2010) it has the largest population among member states of the European Union.



Full compatibility with SKOS/RDF

SKOS

MetaData

Documents

See Also

DBpedia

Triples

Visualization

Geo

Broader

[Western Europe](#)

+

Narrower

✖ [Berlin](#)

✖ [Hamburg](#)

✖ [Leipzig](#)

+

Related

✖ [University of Leipzig](#)

+

Semantic Relations

Preferred Label

🔍 Germany

🔍 Deutschland

Lexical Lables

en

de

Alternative Label

🔍 ✖ Federal Republic of Germany

+

+

Hidden Label

🔍 ✖ Western Germany

+

+

Scope Note

🔍 ✖ Reunified Germany after 1990

+

+

Documentation properties

en

de

Definition

Country in Western Europe. It is bordered to the north by the North Sea, Denmark, and the Baltic Sea; to the east by Poland and the Czech Republic; to the south by Austria and Switzerland; and to the west by France, Luxembourg, Belgium, and the Netherlands. The territory of Germany covers 357,021 square kilometers and has 81.8 million inhabitants (January 2010).

+

+

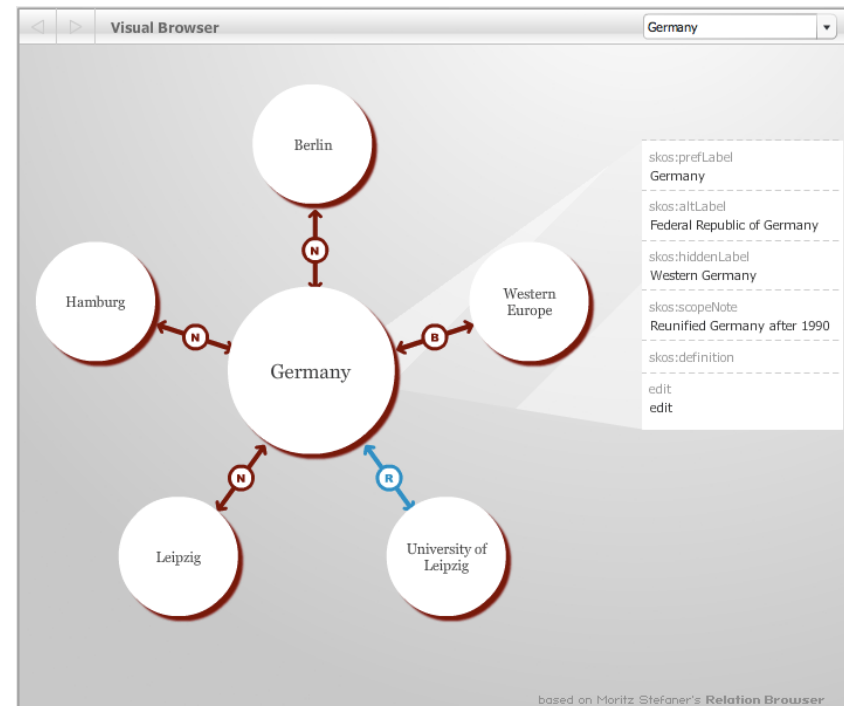
en

de



Some highlights: PoolParty thesaurus management

- Drag & drop , Auto-Complete
- Document analysis: phrase extraction
- Enrich concepts by using linked data
- Publish thesauri as linked data
- Advanced reporting functionality
- Import and validation of thesauri and CSV files
- Thesauris quality checker
- Wiki style collaborative editing of thesauri
- Visual browsing and map navigation





Built-in automatic phrase extraction

- Supports different formats (html, doc, pdf, ppt, ...)
- Thesaurus based extraction
- Integrable with CMS, CRM etc.

Document Text

The city of **Berlin**, Germany is built around the River Spree in Bundesland, the federal state of **Brandenburg**. **Berlin** is Germany's capital city and has undergone enormous changes in the past 100 years. No longer divided, this city is now a thriving, modern and exciting destination, welcoming tourists and business visitors alike. Since World War II, the city has emerged from the past and undergone the biggest construction project in Europe. Much of **Berlin** has been rebuilt, restored or rejuvenated and there is some wonderful architecture, both old and new, standing side by side. Many come here for the exceptional nightlife alone, while others prefer the tourism aspect offered by the city. Those who choose to sightsee by day will discover that many of **Berlin's** landmarks come with their very own observation decks, such as the Reichstag (the German Parliament Building), the Europa Center on the Zoologischer Garten, the Kollhoff Tower on the **Potsdamer Platz**, the Siegessäule (Victory Column) in the Tiergarten area, and the Fernsehturm on the **Alexanderplatz**, the latter of which is a television tower and the tallest structure in the city, boasting a revolving restaurant. Popular districts with appealing accommodation include Charlottenburg, Friedrichshain, Kreuzberg, Mitte, Prenzlauer Berg and Wilmersdorf. When the **Berlin** Wall was destroyed in 1989 this was an enormous turning point for the city, which has previously been divided for over 28 years. East and West **Berlin** are now thoroughly unified, although there are still some signs of division in these areas. There are countless landmarks throughout the city and popular sights include the **Berliner** Dom - a huge domed cathedral standing within the Mitte borough; the **Brandenburg** Gate - the former city gate and now an iconic symbol of Germany; the Potsdamer Platz - one of the busiest squares in Europe, full of shops, bars, cafes and places of entertainment, Checkpoint Charlie - probably the most famous part of the old **Berlin** Wall; and the imposing Reichstag, home to the German parliament and just as impressive today as when it was completed in 1884.

Alexanderplatz area **Berlin** Berlin Wall **Brandenburg** capital capital city
Capitals city divided enormous **Europe** Gate German German
Parliament Germany Germany's include landmarks Mitte old Parliament
Platz Popular Potsdamer **Potsdamer Platz** Reichstag side **Sights**
standing Tower **Towns** undergone Wall **West Berlin** years

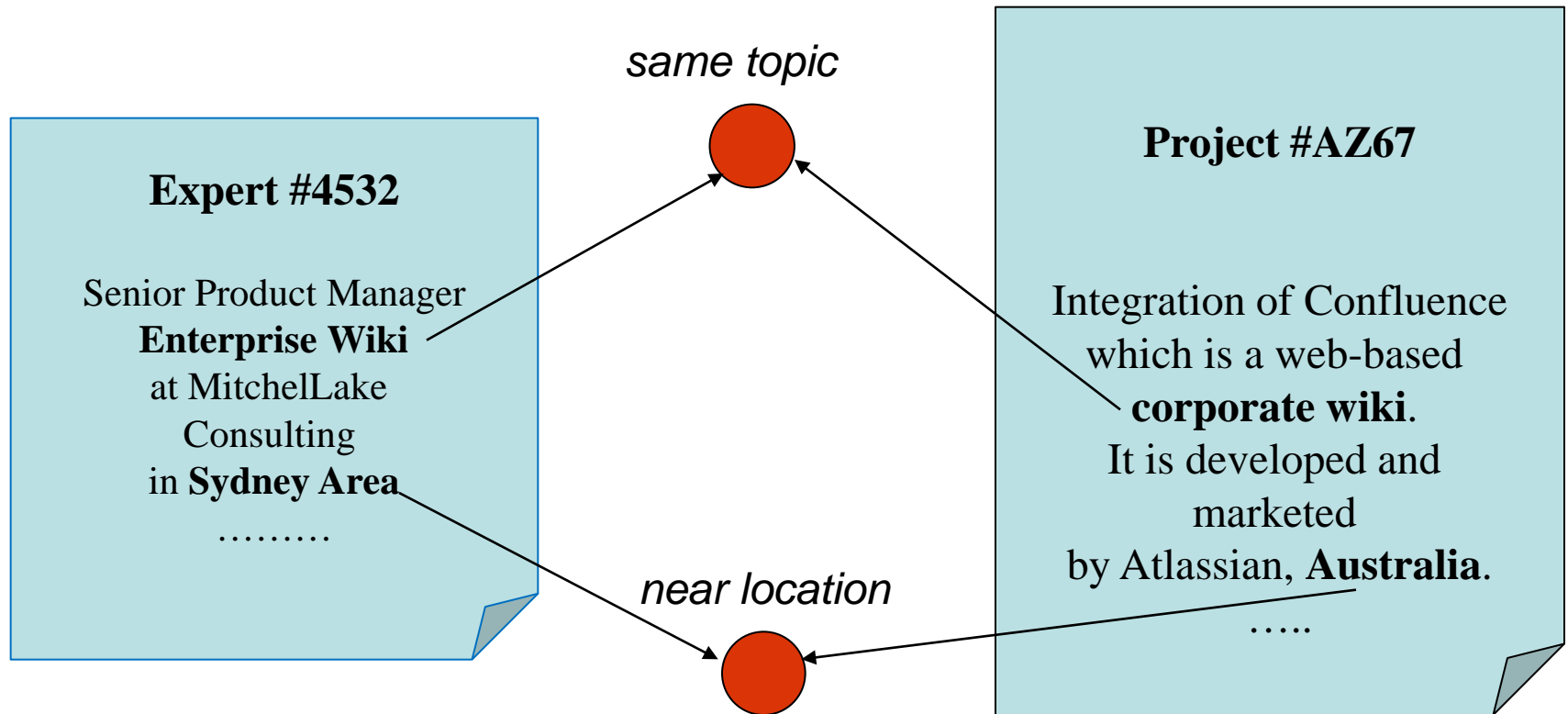
☒ Highlight Tags in Document



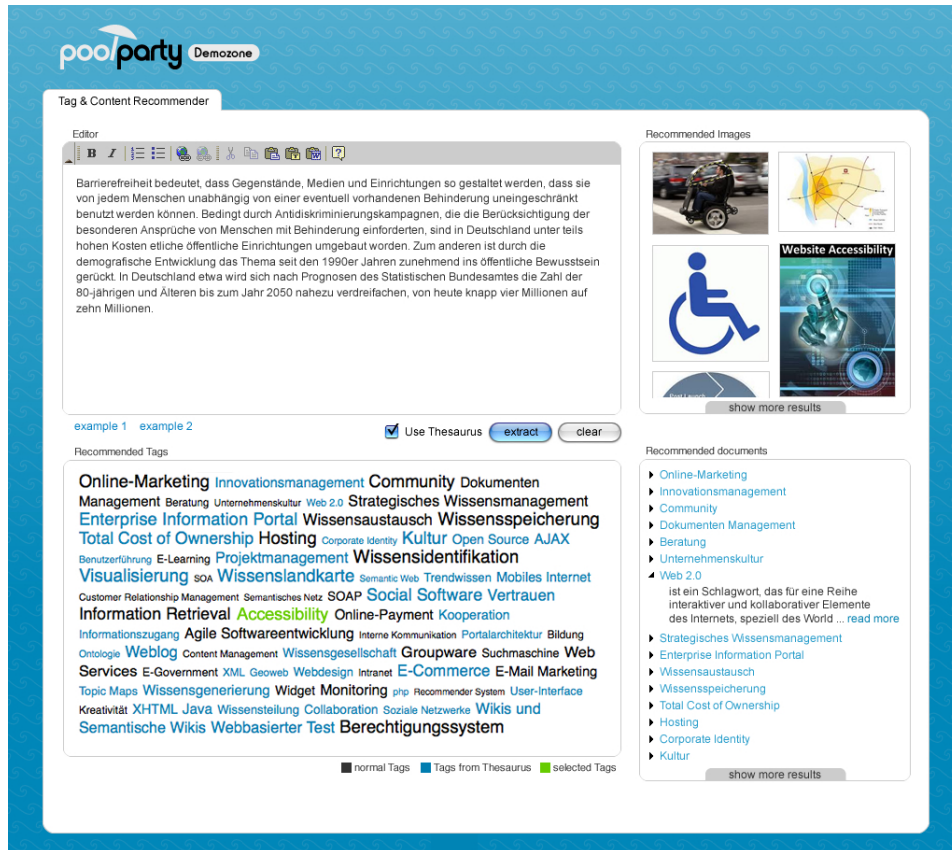
Some Applications on top of PoolParty

- **Tag recommendation:** support users and content managers when annotating text
- **Semantic Indexing:** PoolParty TagEvent Store as a basis for a semantic index (→ IndexBuilder)
- **Similarity search:** „Similarity“ is configurable: Certain features of a document can be „boosted“ (example: persons, places / user tags etc.)
- **Semantic Search and Navigation:** Thesaurus can be used for faceted and moderated search (examples: emteba.at, ecoi.net)
- **Search Engine Dictionaries:** provide company or domain specific terms for search engine dictionary

Similarity search: finding the unexpected...



PoolParty DemoZone



The screenshot displays the PoolParty DemoZone interface. At the top left is the 'poolparty Demozone' logo. Below it is a 'Tag & Content Recommender' section. This section contains an 'Editor' with a text area showing a paragraph about barrier-free design. Below the editor are tabs for 'example 1' and 'example 2', and a 'Use Thesaurus' checkbox which is checked. To the right of the editor are 'Recommended Images' showing a car, a wheelchair icon, and a 'Website Accessibility' graphic. Below the editor is a 'Recommended Tags' list containing various terms like 'Online-Marketing', 'Innovationsmanagement', 'Community', 'Dokumenten Management', etc. To the right of the tags is a 'Recommended documents' list showing titles like 'Online-Marketing', 'Innovationsmanagement', 'Community', etc. At the bottom of the interface is a legend for 'normal Tags', 'Tags from Thesaurus', and 'selected Tags'.

- compare thesaurus based approach with traditional approach
- tag recommender
- similar documents
- find images which fit to your document
- browser bookmarklet



Wordpress Glossary Plugin

GLOSSARY

This glossary will help to understand this blog much better. It was set up and is maintained with PoolParty. PoolParty glossaries can be integrated with the [WordPress](#) Blog-System easily. A wiki version of the glossary [can be found here](#).

[ALL](#) | [A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

SEARCH ENGINE

(A full list of all glossary entries can be found [here](#).)

A search engine is an information retrieval system designed to help find information stored on a computer system. The search results are usually presented in a list and are commonly called hits. Search engines help to minimize the time required to find information and the amount of information which must be consulted, akin to other techniques for managing information overload. The most public, visible form of a search engine is a Web search engine which searches for information on the World Wide Web. (Source: [Wikipedia](#) [↗])

Broader: [enterprise 2.0 platform](#)

Narrower: [index engine](#), [search interface](#), [crawler](#)

Related: [search](#)

Search for [search engine](#)

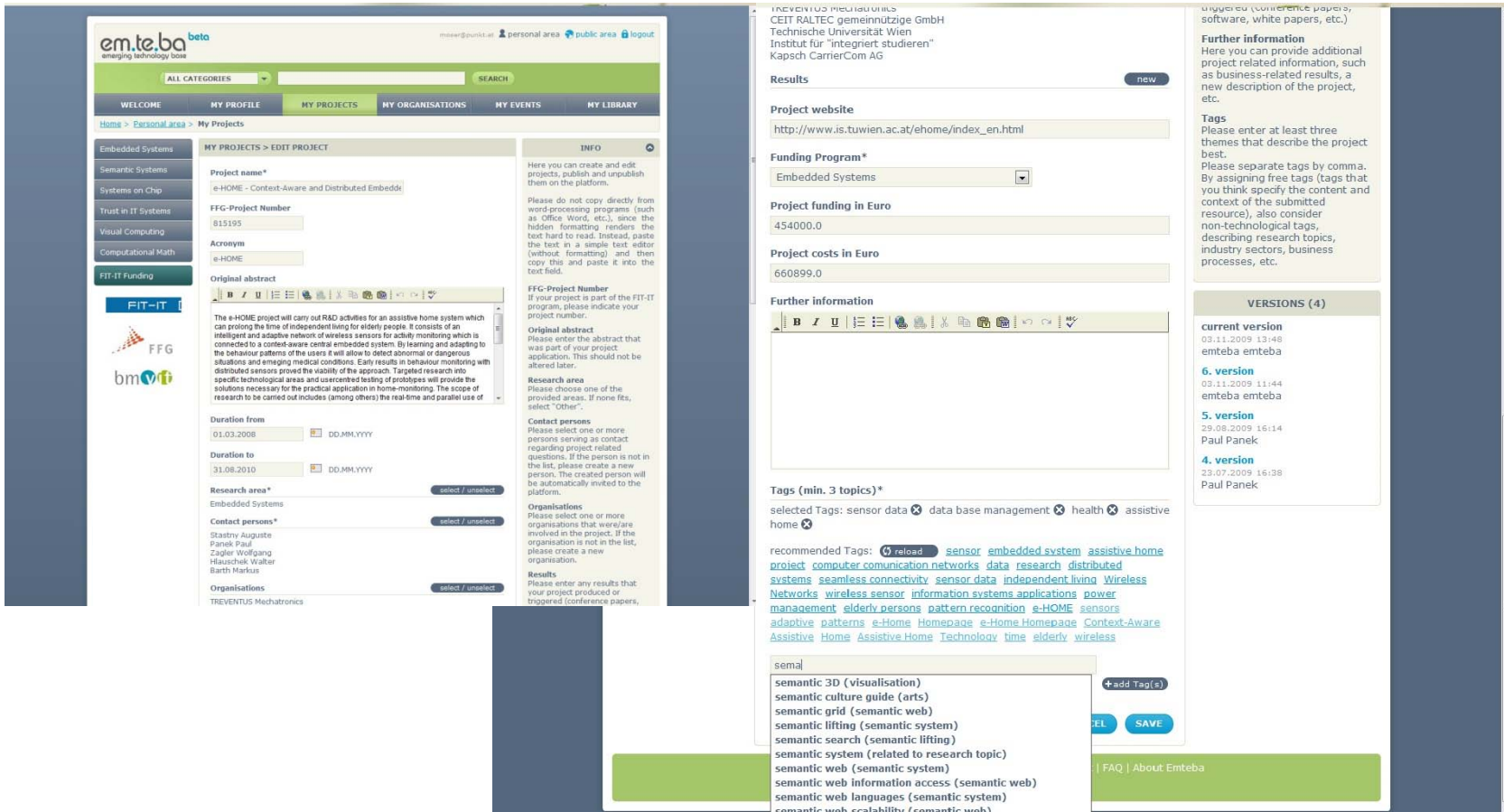
- automatic generation of glossaries for Wordpress blogs
- SKOS compatibility
- automatic link detection and linkage with glossary term



Programmatic access via Web Services

- `getProposedTagsForDocument`
- `addTaggingEvent`
- `getTagFrequencies`
- `addDocumentToSimilarityIndex`
- `findSimilarDocuments`
- `getConceptSuggestions`
-

Programmatic access - Example: emteba.at



The screenshot displays the emteba.at web application interface, which is a platform for managing projects and tags. The interface is divided into several sections:

- Header:** Includes the emteba logo, user login information (meyer@punkt.at), and navigation links for personal area, public area, and logout.
- Navigation:** A top bar with links to ALL CATEGORIES, SEARCH, WELCOME, MY PROFILE, MY PROJECTS, MY ORGANISATIONS, MY EVENTS, and MY LIBRARY.
- Left Sidebar:** Contains a list of categories: Embedded Systems, Semantic Systems, Systems on Chip, Trust in IT Systems, Visual Computing, Computational Math, and FIT-IT Funding. Below this is a section for FIT-IT Funding with logos for FFG and bmw.
- Main Content Area:**
 - MY PROJECTS > EDIT PROJECT:** A form for editing a project. It includes fields for Project name* (e-HOME - Context-Aware and Distributed Embedded), FFG-Project Number (015195), Acronyms (e-HOME), Original abstract, Duration from (01.03.2008), Duration to (31.08.2010), Research area* (Embedded Systems), Contact persons* (Stashny Auguste, Panek Paul, Zagler Wolfgang, Hauschek Walter, Barth Markus), and Organisations (TREVENTUS Mediatronics).
 - INFO:** A section for providing additional information about the project, including a Project website (http://www.is.tuwien.ac.at/ehome/index_en.html), Funding Program* (Embedded Systems), Project funding in Euro (454000.0), Project costs in Euro (660899.0), and Further information.
 - Tags (min. 3 topics)*:** A section for selecting tags. It shows selected tags: sensor data, data base management, health, assistive home. Below this is a list of recommended tags: semantic 3D (visualisation), semantic culture guide (arts), semantic grid (semantic web), semantic lifting (semantic system), semantic search (semantic lifting), semantic system (related to research topic), semantic web (semantic system), semantic web information access (semantic web), semantic web languages (semantic system), semantic web scalability (semantic web).
- Right Sidebar:**
 - Tags:** A section for providing additional information about the project, including a list of tags: triggered (conference papers, software, white papers, etc.), Further information, and a list of versions (4).
 - VERSIONS (4):** A list of versions: current version (03.11.2009 13:48), 6. version (03.11.2009 11:44), 5. version (29.08.2009 16:14), and 4. version (23.07.2009 16:39).



Linked Data Features in Detail





SKOS Thesauri + Linked Data



Giving and taking of linked data with SKOS



Linked Data - Benefits & Application Scenarios



Thesaurus Management

- Automatic population of thesauri
- (Semi) Automatic categorization of new concepts



End User

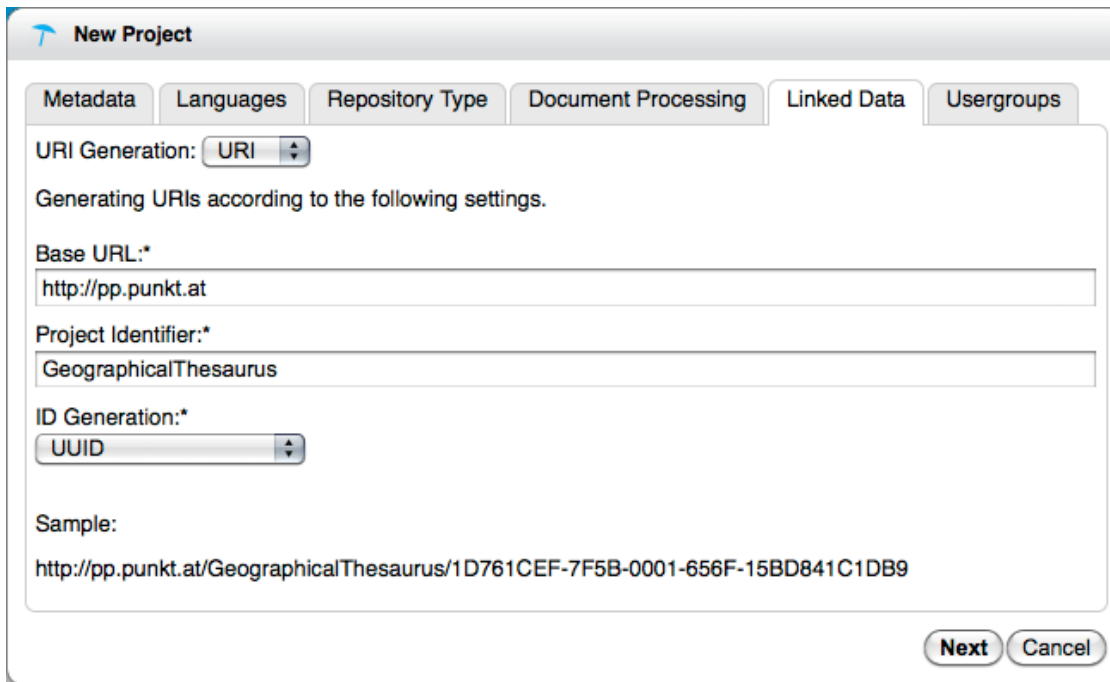
- Content augmentation
- Improved recommender services
- Improved navigation elements, e.g. in web-shops



Content Provider

- Improved SEO
- Reduced costs of content management
- New services and mashups

Publishing Linked Data with PoolParty



The screenshot shows the 'New Project' dialog box with the 'Linked Data' tab selected. The 'URI Generation' dropdown is set to 'URI'. Below it, a text box shows the 'Base URL' as 'http://pp.punkt.at'. The 'Project Identifier' text box contains 'GeographicalThesaurus'. The 'ID Generation' dropdown is set to 'UUID'. A 'Sample' text box displays the generated URI: 'http://pp.punkt.at/GeographicalThesaurus/1D761CEF-7F5B-0001-656F-15BD841C1DB9'. At the bottom right are 'Next' and 'Cancel' buttons.

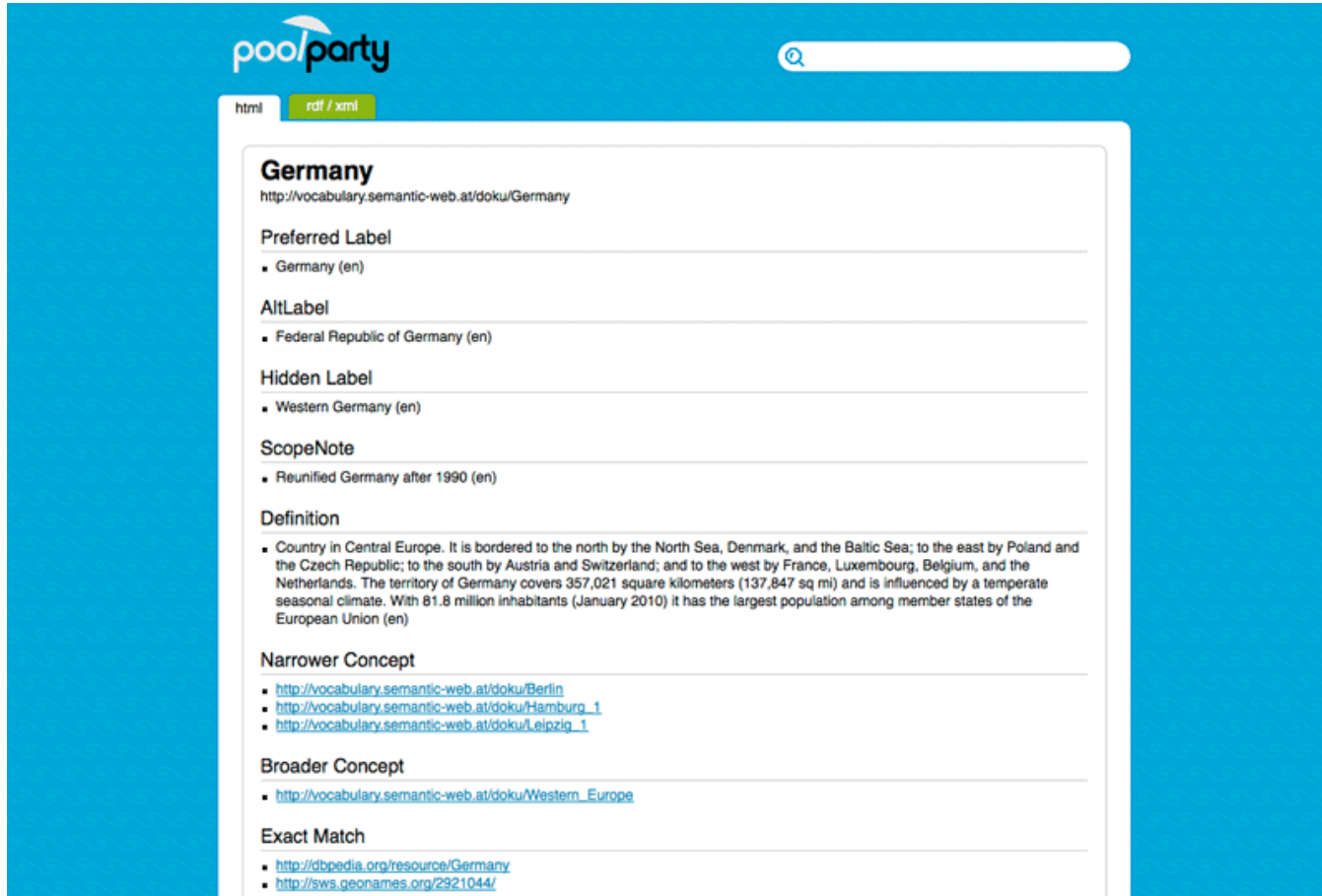
- using linked data patterns and „Cool URIs“
- Linked Data front-end

Additionally:

- Wiki front-end
- SPARQL-endpoint



Linked Data frontend



The screenshot shows the 'poolparty' Linked Data frontend. The interface has a blue header with the 'poolparty' logo and a search bar. Below the header, there are tabs for 'html' (selected) and 'rdf / xml'. The main content area displays the entry for 'Germany' with the URI <http://vocabulary.semantic-web.at/doku/Germany>. The entry is organized into sections: Preferred Label, AltLabel, Hidden Label, ScopeNote, Definition, Narrower Concept, Broader Concept, and Exact Match. Each section contains a list of related URIs or labels.

Germany
<http://vocabulary.semantic-web.at/doku/Germany>

Preferred Label

- Germany (en)

AltLabel

- Federal Republic of Germany (en)

Hidden Label

- Western Germany (en)

ScopeNote

- Reunified Germany after 1990 (en)

Definition

- Country in Central Europe. It is bordered to the north by the North Sea, Denmark, and the Baltic Sea; to the east by Poland and the Czech Republic; to the south by Austria and Switzerland; and to the west by France, Luxembourg, Belgium, and the Netherlands. The territory of Germany covers 357,021 square kilometers (137,847 sq mi) and is influenced by a temperate seasonal climate. With 81.8 million inhabitants (January 2010) it has the largest population among member states of the European Union (en)

Narrower Concept

- <http://vocabulary.semantic-web.at/doku/Berlin>
- http://vocabulary.semantic-web.at/doku/Hamburg_1
- http://vocabulary.semantic-web.at/doku/Leipzig_1

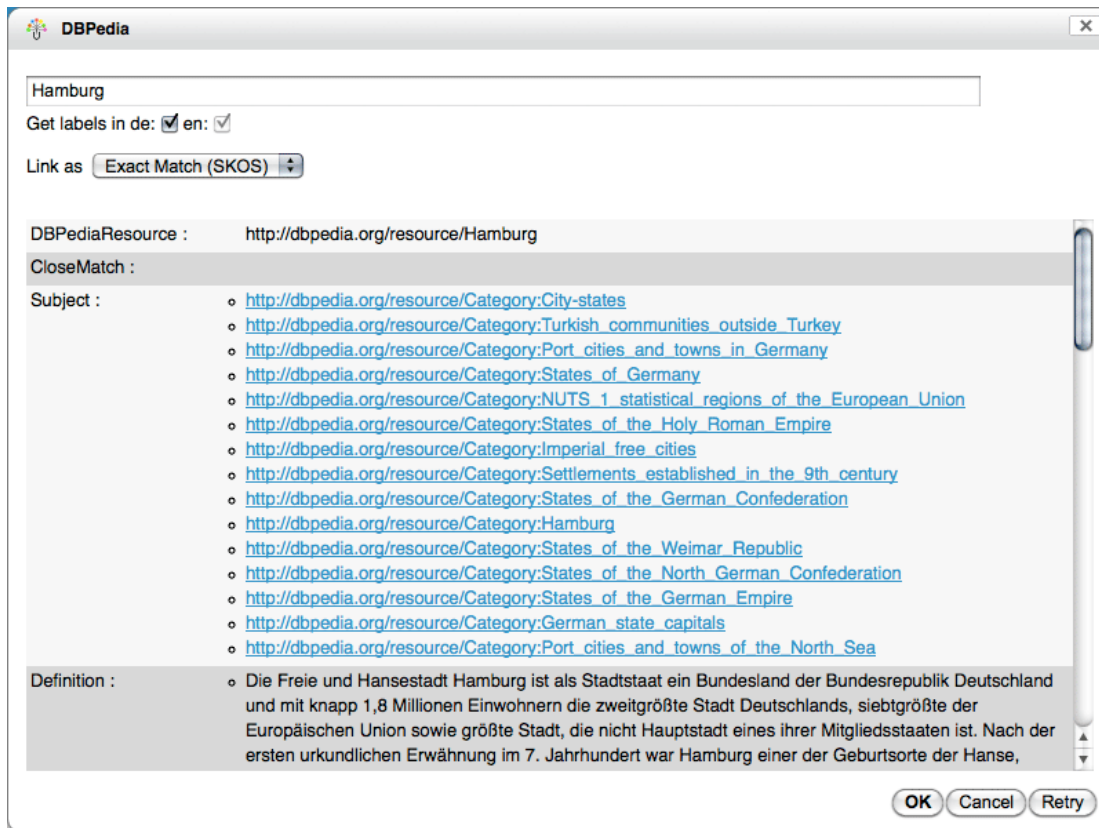
Broader Concept

- http://vocabulary.semantic-web.at/doku/Western_Europe

Exact Match

- <http://dbpedia.org/resource/Germany>
- <http://sws.geonames.org/2921044/>

Consuming Linked Data



The screenshot shows the DBPedia web interface. At the top, there is a search bar with the text 'Hamburg'. Below the search bar, there are checkboxes for 'Get labels in de:' and 'en:', both of which are checked. Below that, there is a dropdown menu for 'Link as' with the option 'Exact Match (SKOS)' selected. The main content area is divided into three sections: 'DBPediaResource : http://dbpedia.org/resource/Hamburg', 'CloseMatch :', and 'Subject :'. The 'Subject :' section contains a list of 14 links to various categories, including 'City-states', 'Turkish communities outside Turkey', 'Port cities and towns in Germany', 'States of Germany', 'NUTS 1 statistical regions of the European Union', 'States of the Holy Roman Empire', 'Imperial free cities', 'Settlements established in the 9th century', 'States of the German Confederation', 'Hamburg', 'States of the Weimar Republic', 'States of the North German Confederation', 'States of the German Empire', 'German state capitals', and 'Port cities and towns of the North Sea'. The 'Definition :' section contains a paragraph of text describing Hamburg as a city-state and one of the largest cities in Germany. At the bottom of the interface, there are three buttons: 'OK', 'Cancel', and 'Retry'.

DBPedia

Hamburg

Get labels in de: ☒ en: ☒

Link as **Exact Match (SKOS)**

DBPediaResource : <http://dbpedia.org/resource/Hamburg>

CloseMatch :

Subject :

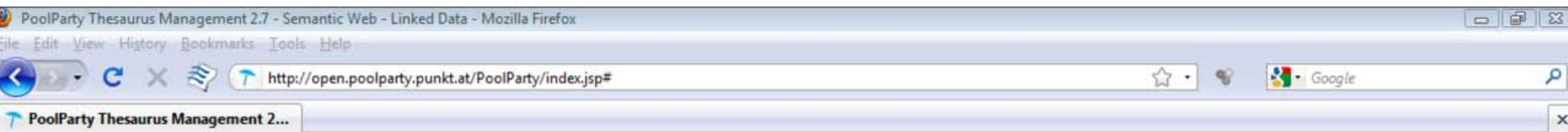
- <http://dbpedia.org/resource/Category:City-states>
- http://dbpedia.org/resource/Category:Turkish_communities_outside_Turkey
- http://dbpedia.org/resource/Category:Port_cities_and_towns_in_Germany
- http://dbpedia.org/resource/Category:States_of_Germany
- http://dbpedia.org/resource/Category:NUTS_1_statistical_regions_of_the_European_Union
- http://dbpedia.org/resource/Category:States_of_the_Holy_Roman_Empire
- http://dbpedia.org/resource/Category:Imperial_free_cities
- http://dbpedia.org/resource/Category:Settlements_established_in_the_9th_century
- http://dbpedia.org/resource/Category:States_of_the_German_Confederation
- <http://dbpedia.org/resource/Category:Hamburg>
- http://dbpedia.org/resource/Category:States_of_the_Weimar_Republic
- http://dbpedia.org/resource/Category:States_of_the_North_German_Confederation
- http://dbpedia.org/resource/Category:States_of_the_German_Empire
- http://dbpedia.org/resource/Category:German_state_capitals
- http://dbpedia.org/resource/Category:Port_cities_and_towns_of_the_North_Sea

Definition :

Die Freie und Hansestadt Hamburg ist als Stadtstaat ein Bundesland der Bundesrepublik Deutschland und mit knapp 1,8 Millionen Einwohnern die zweitgrößte Stadt Deutschlands, siebtgrößte der Europäischen Union sowie größte Stadt, die nicht Hauptstadt eines ihrer Mitgliedsstaaten ist. Nach der ersten urkundlichen Erwähnung im 7. Jahrhundert war Hamburg einer der Geburtsorte der Hanse,

OK Cancel Retry

- advanced linked data look-up services
- expandable number of linked data sources already integrated
- linked data synchronisation mechanisms (beta)



Search (en):

PROJECT DOCUMENTS TOOLS OPTIONS HELP ABOUT POOLPARTY

- Beer
 - Beer Brands
 - Budweiser (0)
 - Ottakringer (0)
 - Paulaner (0)
 - Countries
 - Austria (0)
 - Czech Republic (0)
 - Germany (0)
 - United States (0)
 - Free Concepts

Selected Concept

Budweiser

(<http://open.poolparty.punkt.at/Beer/Budweiser>)

SKOS Metadata Linked Data Triples Visualization Geo

Broader



Preferred Label ([translate](#))

Budweiser

en

de

Narrower



Alternative Label



en

de

Related

[United States](#)



Hidden Label



en

de

Scope Note



en

de

Definition



en

de



Using SKOS context to link concepts to LD resources and semi-automatic population of thesaurus

Example: Thesaurus about arts and artists

Concept „Painters“ with NT:

Kandinsky, Rembrandt and Berners-Lee

- Using broader and sibling concepts to help disambiguate and suggest the painter Berners-Lee
- Finding mutual categories from Dbpedia or Freebase
- Suggesting more NTs for Painters using LD categories



Semantic Search






More background knowledge from thesauri and linked data can improve semantic search



- better disambiguation of search terms
- background knowledge of search terms help to „expand queries“
- better similarity search because of more metadata
- content augmentation through linked data



Semantic Services provided by PoolParty

①	Search assistants (Auto-Complete, faceted search)		Improve user's search experience
②	Moderated Search		Creating complex queries
③	Tag Recommendation	<p>Measurement Risk CSR firm Company lin corporate performance business responsibility Criticism social responsibility good social firm with superior performance firm with poor reputation</p>	Identifying the meaning of a document
④	Similarity Search (Recommender Systems)		Understanding relations



Search Assistants

ecm| Thesaurus Search ▼

Open Text ECM Suite (Open Text)
enterprise content management (Applications)

Selected Concept
enterprise content management
(um:uuid:1D647A87-2F6C-0001-38AB-63B01BF7C530)

SKOS Metadata Documents Tag Cloud Linked Data Triples Visualization Geo

Fulltext Search Semantic Search Tag Events

enterprise content management ecm content management system cms
web content management open text ecm suite content generation knowledge management

+ Total : 8 Documents

+ [Wiki FAQ - Confluence](#) ★☆☆☆☆
and offers numerous features for customisation. Confluence provides full web service interfaces (SOAP and XML-RPC) for your applications or scripts to remotely update content, manage users, or administer individual spaces. As our customer accolades attest, our Legendary Service is what customers expect from a much more expensive enterprise product. What does it mean to say
<http://www.atlassian.com/software/confluence/wiki.jsp> - [Similar Documents](#)

+ [Microsoft SharePoint - Wikipedia. the free encyclopedia](#) ★☆☆☆☆
is not compatible with SharePoint 2007 or MOSS. [edit] Industry analyst assessments Evaluations of SharePoint by industry analysts have varied. In late 2008, the Gartner Group put SharePoint in the "leaders" quadrant in three of its Magic Quadrants (for Search , Portals , and enterprise content management). [7] In contrast, independent evaluation firm CMS Watch issued customer

- clever auto-complete
- query expansion
- faceted search
- visual search
- Google synonyms



Moderated Search

You searched in **all countries** for **pentecostalism OR Protestantism** in documents of any type published by any source

Refine your search with broader terms (BT), narrower terms (NT), or related terms (RT)

Protestantism

AND	OR	NOT	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Christianity (BT)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Calvinism (NT)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adventism (NT)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pastors (NT)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protestant Churches (NT)

[show more](#)

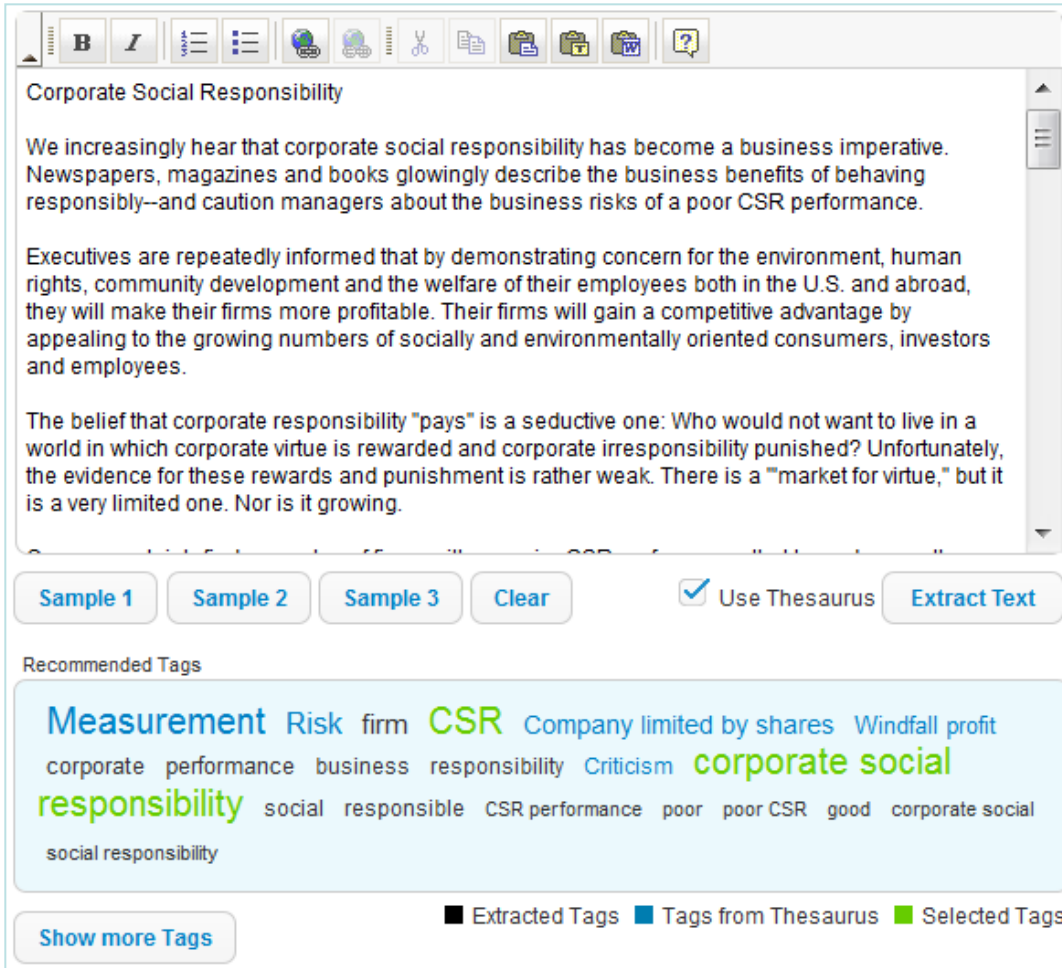
pentecostalism

AND	OR	NOT	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Protestantism (BT)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Religious communities (RT)

SEARCH

- thesaurus helps to create complex queries
- supports multi-linguality
- helps to explore a domain without deep knowledge

Tag Recommendation



The screenshot shows a web application for tag recommendation. At the top is a toolbar with icons for bold, italic, bulleted list, numbered list, link, unlink, insert image, delete image, cut, copy, paste, save, print, and help. Below the toolbar is a text area containing the following text:

Corporate Social Responsibility

We increasingly hear that corporate social responsibility has become a business imperative. Newspapers, magazines and books glowingly describe the business benefits of behaving responsibly—and caution managers about the business risks of a poor CSR performance.

Executives are repeatedly informed that by demonstrating concern for the environment, human rights, community development and the welfare of their employees both in the U.S. and abroad, they will make their firms more profitable. Their firms will gain a competitive advantage by appealing to the growing numbers of socially and environmentally oriented consumers, investors and employees.

The belief that corporate responsibility "pays" is a seductive one: Who would not want to live in a world in which corporate virtue is rewarded and corporate irresponsibility punished? Unfortunately, the evidence for these rewards and punishment is rather weak. There is a "market for virtue," but it is a very limited one. Nor is it growing.

Below the text area are four buttons: "Sample 1", "Sample 2", "Sample 3", and "Clear". To the right of these buttons is a checked checkbox labeled "Use Thesaurus" and an "Extract Text" button. Below the buttons is a section titled "Recommended Tags" containing a list of tags: "Measurement", "Risk", "firm", "CSR", "Company limited by shares", "Windfall profit", "corporate performance", "business", "responsibility", "Criticism", "corporate social responsibility", "social", "responsible", "CSR performance", "poor", "poor CSR", "good", "corporate social", and "social responsibility". The tags are color-coded: "Measurement", "Risk", "firm", "CSR", "Company limited by shares", "Windfall profit", "corporate performance", "business", "responsibility", "Criticism", "corporate social", and "social responsibility" are in blue; "social", "responsible", "CSR performance", "poor", "poor CSR", "good", and "corporate social" are in green. Below the tags is a "Show more Tags" button. At the bottom right of the interface is a legend: "■ Extracted Tags", "■ Tags from Thesaurus", and "■ Selected Tags".

- annotation of documents with low effort
- motivation for people to annotate documents
- basis for building a semantic index

Similarity Search

poolparty Demozone

Tag & Content Recommender

Editor

Barrierefreiheit bedeutet, dass Gegenstände, Medien und Einrichtungen so gestaltet werden, dass sie von jedem Menschen unabhängig von einer eventuell vorhandenen Behinderung uneingeschränkt benutzt werden können. Bedingt durch Antidiskriminierungskampagnen, die die Berücksichtigung der besonderen Ansprüche von Menschen mit Behinderung einforderten, sind in Deutschland unter teils hohen Kosten etliche öffentliche Einrichtungen umgebaut worden. Zum anderen ist durch die demografische Entwicklung das Thema seit den 1990er Jahren zunehmend ins öffentliche Bewusstsein gerückt. In Deutschland etwa wird sich nach Prognosen des Statistischen Bundesamtes die Zahl der 80-jährigen und Älteren bis zum Jahr 2050 nahezu verdreifachen, von heute knapp vier Millionen auf zehn Millionen.


example 1 example 2 ☒ Use Thesaurus

Recommended Tags

Online-Marketing Innovationsmanagement Community Dokumenten Management Beratung Unternehmenskultur Web 2.0 Strategisches Wissensmanagement Enterprise Information Portal Wissensaustausch Wissensspeicherung Total Cost of Ownership Hosting Corporate Identity Kultur Open Source AJAX Benutzerführung E-Learning Projektmanagement Wissensidentifikation Visualisierung SOA Wissenslandkarte Semantic Web Trendwissen Mobiles Internet Customer Relationship Management Semantisches Netz SOAP Social Software Vertrauen Information Retrieval Accessibility Online-Payment Kooperation Informationszugang Agile Softwareentwicklung Interne Kommunikation Portalarchitektur Bildung Ontologie Weblog Content Management Wissensgesellschaft Groupware Suchmaschine Web Services E-Government XML Geoweb Webdesign Intranet E-Commerce E-Mail Marketing Topic Maps Wissensgenerierung Widget Monitoring php Recommender System User-Interface Kreativität XHTML Java Wissensteilung Collaboration Soziale Netzwerke Wikis und Semantische Wikis Webbasierter Test Berechtigungssystem

■ normal Tags ■ Tags from Thesaurus ■ selected Tags

Recommended Images



show more results

Recommended documents

- ▶ Online-Marketing
- ▶ Innovationsmanagement
- ▶ Community
- ▶ Dokumenten Management
- ▶ Beratung
- ▶ Unternehmenskultur
- ▶ Web 2.0
 - ist ein Schlagwort, das für eine Reihe interaktiver und kollaborativer Elemente des Internets, speziell des World ... [read more](#)
- ▶ Strategisches Wissensmanagement
- ▶ Enterprise Information Portal
- ▶ Wissensaustausch
- ▶ Wissensspeicherung
- ▶ Total Cost of Ownership
- ▶ Hosting
- ▶ Corporate Identity
- ▶ Kultur

show more results

- improved similarity detection on top of additional background knowledge
- build recommender systems for web-shops or knowledge management systems
- help people to skim large document collections
- detect hidden relations between documents



Integration of thesauri with Enterprise Search

Possible integrations with enterprise search engine:



- Autocomplete-Server
- Entity dictionary
- Query rewriting
- Moderated search
- Enrich semantic index

PoolParty Web-Services
Integrate thesauri into search engine with real-time queries



PoolParty Reporting
Export parts of thesauri into individual XML-formats and synchronize with search engine

- improved semantic enterprise search
- all metadata can be administrated at one single place
- expandable via linked data mechanisms




Thesaurus Management Advanced Features





Multilinguality

 New Project

Metadata Languages Repository Type Document Processing Linked Data

Usergroups

Available Languages

- German [de]
- German/Germany [de-de]
- German/Luxembourg [de-lu]
- German/Switzerland [de-ch]
- Greek [el]
- Greek/Greece [el-gr]
- Hebrew [iw]
- Hebrew/Israel [iw-il]
- Hindi/India [hi-in]
- Hungarian [hu]
- Hungarian/Hungary [hu-hu]
- Icelandic [is]
- Icelandic/Iceland [is-is]
- Italian [it]
- Italian/Italy [it-it]
- Italian/Switzerland [it-ch]
- Japanese [ja]
- Japanese/Japan [ja-jp]
- Korean [ko]
- Korean/South Korea [ko-kr]

Selected Languages

- English [en]
- German/Austria [de-at]

→

←

Set Default Language

Next Cancel

Preferred Label ([translate](#))

 Qatar

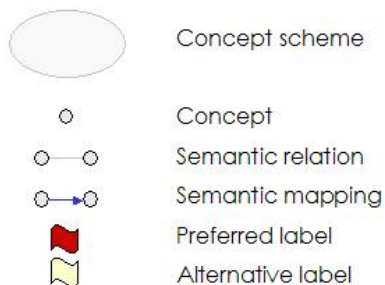
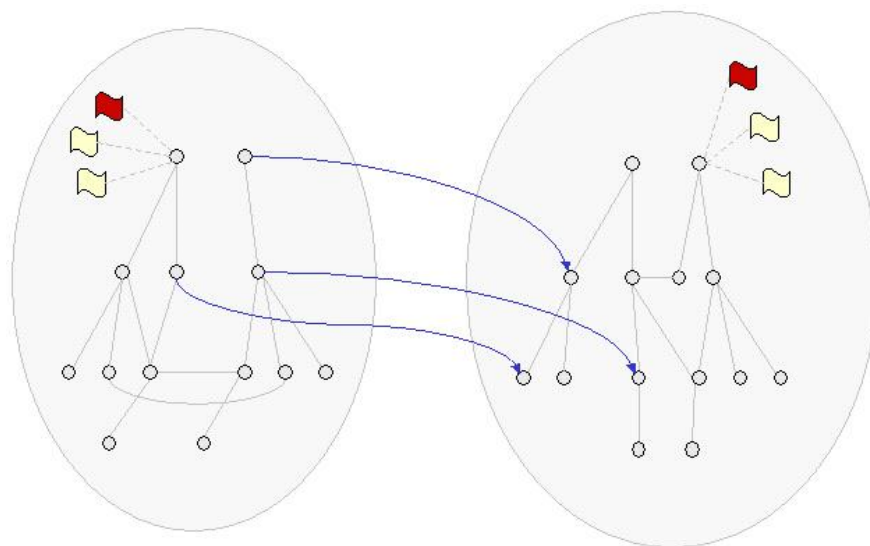
 Translation

Translating 'Qatar' into zh, de, ja, es, fr, ru

☒ zh : 卡塔尔
☒ de : Katar
☒ ja : カタール
☒ es : Qatar
☒ fr : Qatar
☒ ru : Karap

Alter

Concept mapping



- `skos:exactMatch`
- `skos:closeMatch`

→ used for linked data mapping

→ used for concept mapping, e.g. after having imported a thesaurus



Associating notes with concepts

Selected Concept
Germany
(<http://www.huriidocs.org/micro-thesaurus/mt15040428/>)

SKOS Metadata Linked Data Triples Visualization Geo

Notes History

Note Type: All Notes

Author: All authors

From/To: Show Notes

New Note

2010-08-02 13:59:25 - History Note (nagyhel)
Concept History Note
Information about the past state/use/meaning of a concept.

2010-08-02 13:58:50 - Editorial Note (nagyhel)
Concept Editorial Note
Information for an editor, translator or maintainer of the concept.

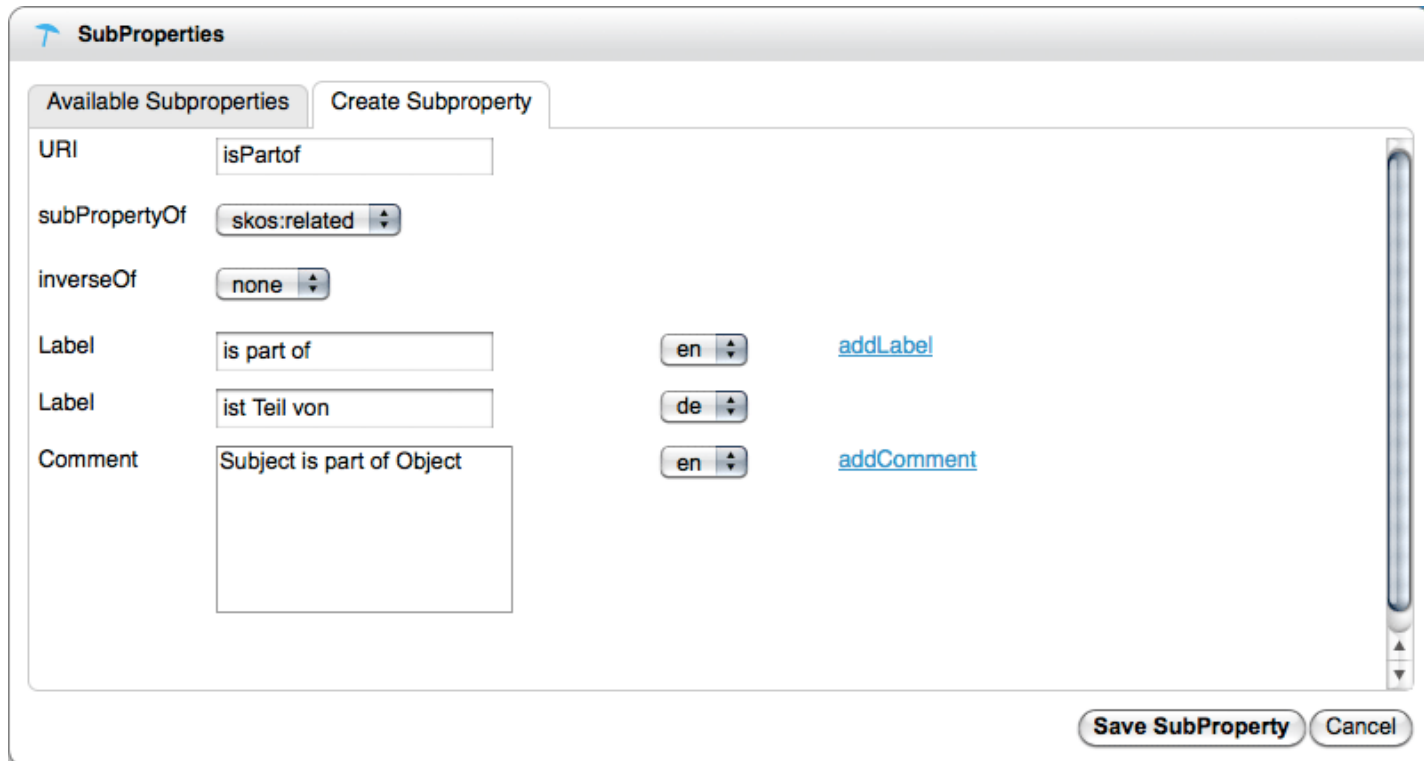
2010-08-02 13:57:44 - Change Note (nagyhel)
Concept Change Note
Information about a modification to the concept.

- skos:historyNote
- skos:changeNote
- skos:editorialNote

→ used to trace meanings of a concept

→ used to discuss meanings of a concept

Introduce individual relations between concepts



SubProperties

Available Subproperties | Create Subproperty

URI: isPartof

subPropertyOf: skos:related

inverseOf: none

Label: is part of (en) [addLabel](#)

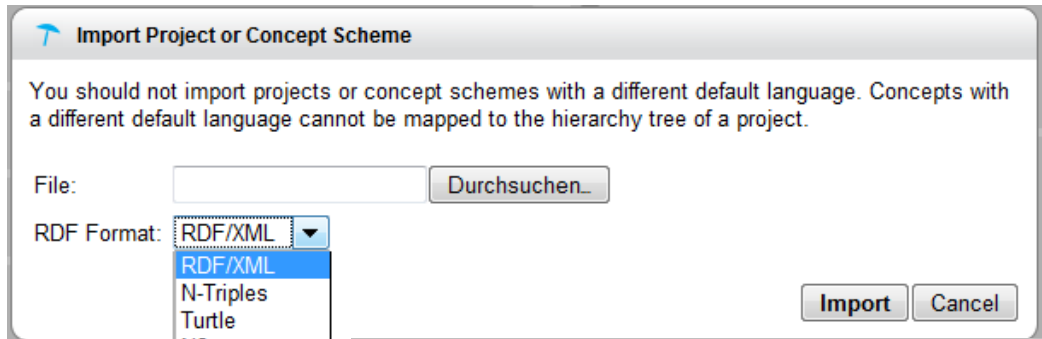
Label: ist Teil von (de)

Comment: Subject is part of Object (en) [addComment](#)

[Save SubProperty](#) [Cancel](#)

Create your own individual **inverse** or **symmetric**
relations between concepts

Import / export / reporting



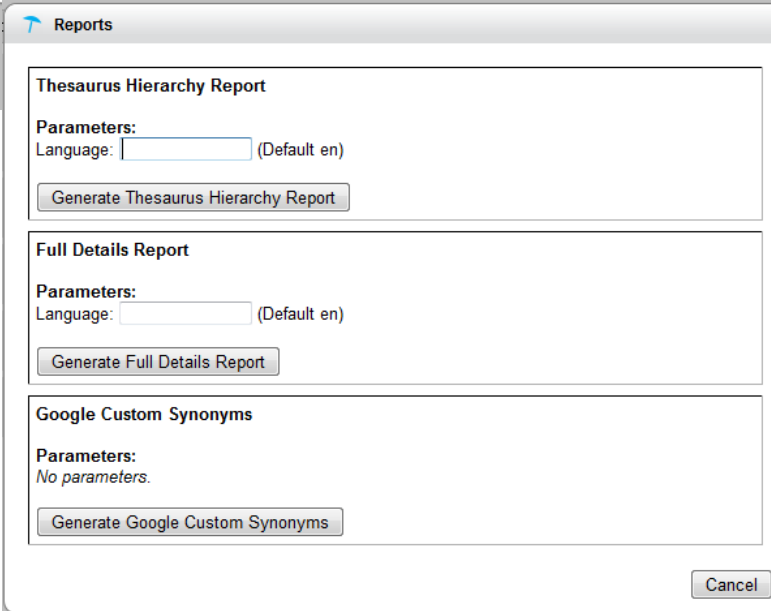
Import Project or Concept Scheme

You should not import projects or concept schemes with a different default language. Concepts with a different default language cannot be mapped to the hierarchy tree of a project.

File:

RDF Format: RDF/XML ▼

- RDF/XML
- N-Triples
- Turtle
- N3
- TriX
- TriG
- Zthes/XML



Reports

Thesaurus Hierarchy Report

Parameters:
Language: (Default en)

Full Details Report

Parameters:
Language: (Default en)

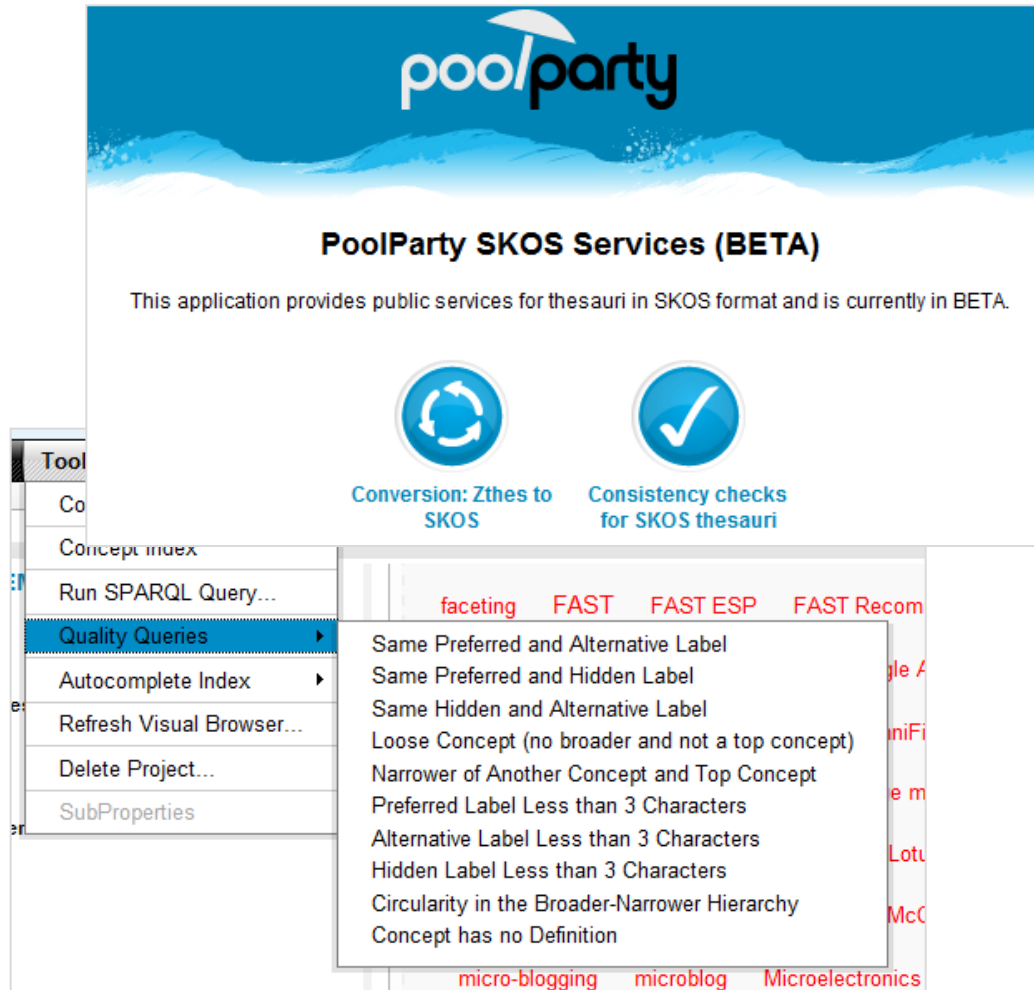
Google Custom Synonyms

Parameters:
No parameters.

- import & export of SKOS using various RDF serializations
- import of CSV
- import of Zthes
- import/export of sub-trees
- custom reports and XML exports based on PoolParty's template engine



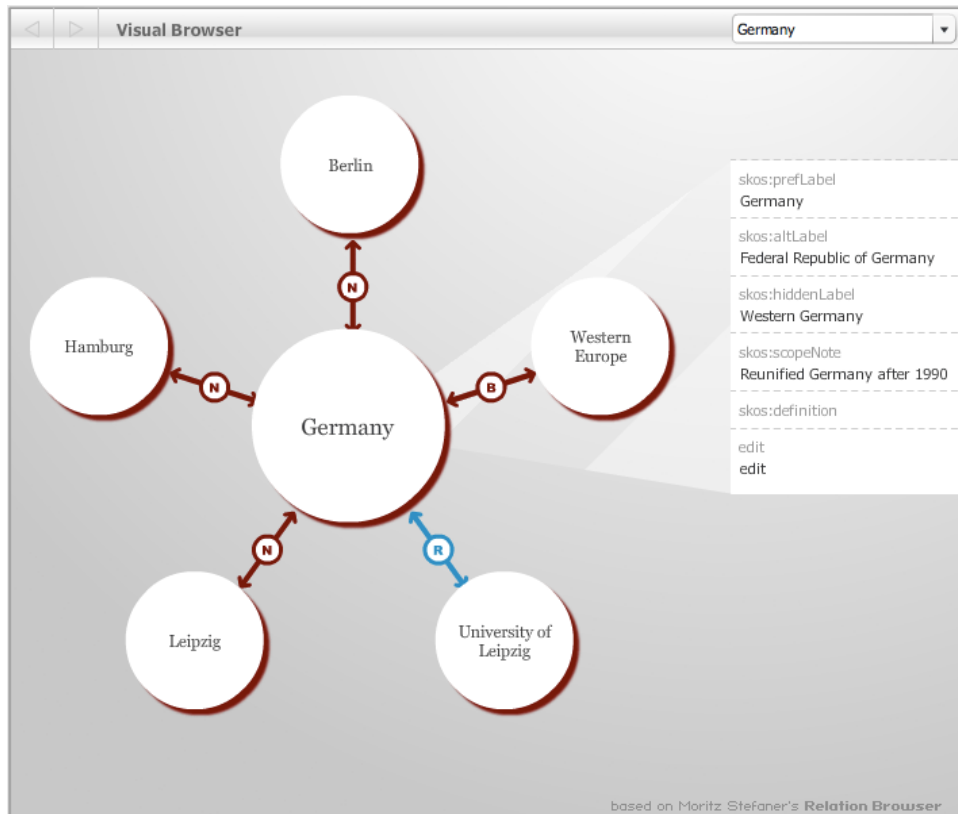
Quality checks and validation service



Check thesauri to....

- be complete
- be non-cyclic (e.g. no circularity in the broader/narrower hierarchy).
- have no disjoints between related and hierarchical paths.

Visual browsing



Selected Concept
Berlin
(um:uid:1D75F95A-A56F-0001-16B0-C810EC19ABF0)

SKOS Metadata Documents See Also DBpedia Triples Visualization Geo

Geo

Map Satellite Terrain

faceting FAST FAST ESP FAST Recommendations Financial Times Flickr Fortune FOSS

Freebase Germany Google Google Apps Google Search Google Search Appliance Google

Wave Hadoop Harvard IBM IBM OmniFind image recognition Jira keyword research knowledge

discovery knowledge engineering knowledge management system knowledge-worker Languageware lead

management London long tail Lotus Lotus Connections Lotus Domino Lotus Sametime Lucene

Lucid Imagination Mashups McClatchy McClatchy Interactive media industry MediaWiki meta-data

micro-blogging microblog Microelectronics Microsoft Microsoft Office SharePoint Server 2007

mindtouch MindTouch 2009 Enterprise NASA natural language processing natural-language New

York Times Nutch ontology OOA OOD open source open-source organization opportunity

management Oracle Beehive PageRank PARC Personalized recommendations phonetic search

PoolParty Powerset query refinement Question answering Radar Networks related terms suggestions

Related-item recommendations REST San Diego San Francisco Scrum **search** search



Use your favourite theme!

The image displays three screenshots of the PoolParty web interface, illustrating different themes and views:

- Top Left Screenshot:** Shows the PoolParty interface with a blue header and a sidebar menu. The main content area displays a tree structure of concepts, including "Standard-Thesaurus Wirtschaft", "A Allgemeinerwörter (1)", "B Betriebswirtschaft (11)", "B.00 Betriebswirtschaft (26)", "B.01 Unternehmensführung und Organisation (7)", "B.01.01 Unternehmensführung und Unternehmensplanung (49)", and "Balanced Scorecard (6)".
- Top Right Screenshot:** Shows the PoolParty interface with a blue header and a sidebar menu. The main content area displays a tree structure of concepts, including "Standard-Thesaurus Wirtschaft", "A Allgemeinerwörter (1)", "B Betriebswirtschaft (11)", "B.00 Betriebswirtschaft (26)", "B.01 Unternehmensführung und Organisation (7)", "B.01.01 Unternehmensführung und Unternehmensplanung (49)", "Balanced Scorecard (0)", "Benchmarking (0)", "Betriebswirtschaftliches Ziel (0)", "Brainstorming (0)", "Corporate Governance (0)", "Corporate social responsibility (0)", "Diversity Management (0)", "Entscheidung (7)", "Erfolgsfaktor (0)", "Firmenimage (0)", "Frühwarnsystem (0)", and "Führungskräfte (6)".
- Bottom Left Screenshot:** Shows the PoolParty interface with a blue header and a sidebar menu. The main content area displays a tree structure of concepts, including "Standard-Thesaurus Wirtschaft", "A Allgemeinerwörter (1)", "B Betriebswirtschaft (11)", "B.00 Betriebswirtschaft (26)", "B.01 Unternehmensführung und Organisation (7)", "B.01.01 Unternehmensführung und Unternehmensplanung (49)", "Balanced Scorecard (6)", "Benchmarking (0)", "Betriebswirtschaftliches Ziel (0)", "Brainstorming (0)", "Corporate Governance (0)", "Corporate social responsibility (0)", "Diversity Management (0)", "Entscheidung (7)", "Erfolgsfaktor (0)", "Firmenimage (0)", "Frühwarnsystem (0)", "Führungskräfte (6)", "Führungstheorie (8)", and "Geschäftsmodell (6)".
- Bottom Right Screenshot:** Shows the PoolParty interface with a blue header and a sidebar menu. The main content area displays a tree structure of concepts, including "Standard-Thesaurus Wirtschaft", "A Allgemeinerwörter (1)", "B Betriebswirtschaft (11)", "B.00 Betriebswirtschaft (26)", "B.01 Unternehmensführung und Organisation (7)", "B.01.01 Unternehmensführung und Unternehmensplanung (49)", "Balanced Scorecard (0)", "Benchmarking (0)", "Betriebswirtschaftliches Ziel (0)", "Brainstorming (0)", "Corporate Governance (0)", "Corporate social responsibility (0)", "Diversity Management (0)", "Entscheidung (7)", "Erfolgsfaktor (0)", "Firmenimage (0)", "Frühwarnsystem (0)", and "Führungskräfte (6)".



Contact

Apply for a PoolParty demo account

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