



Fusing Corporate Thesaurus Management with Linked Data using PoolParty

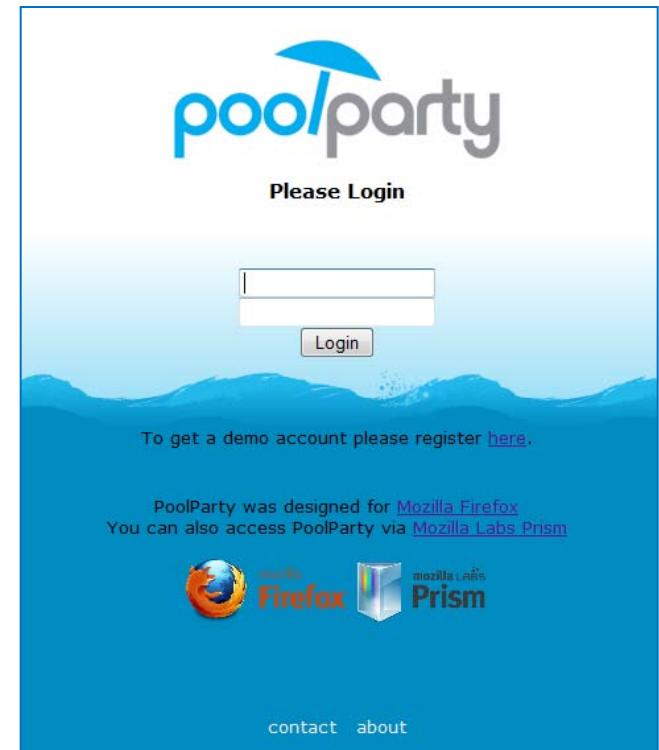
Thomas Schandl





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

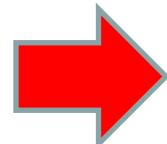


- 1. Annotation:** Add meaning to the content
- 2. Link content:** Bring content together in a meaningful way
- 3. Make content searchable:** Add background knowledge to the content



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

iPod touch

iPhone

merchandise

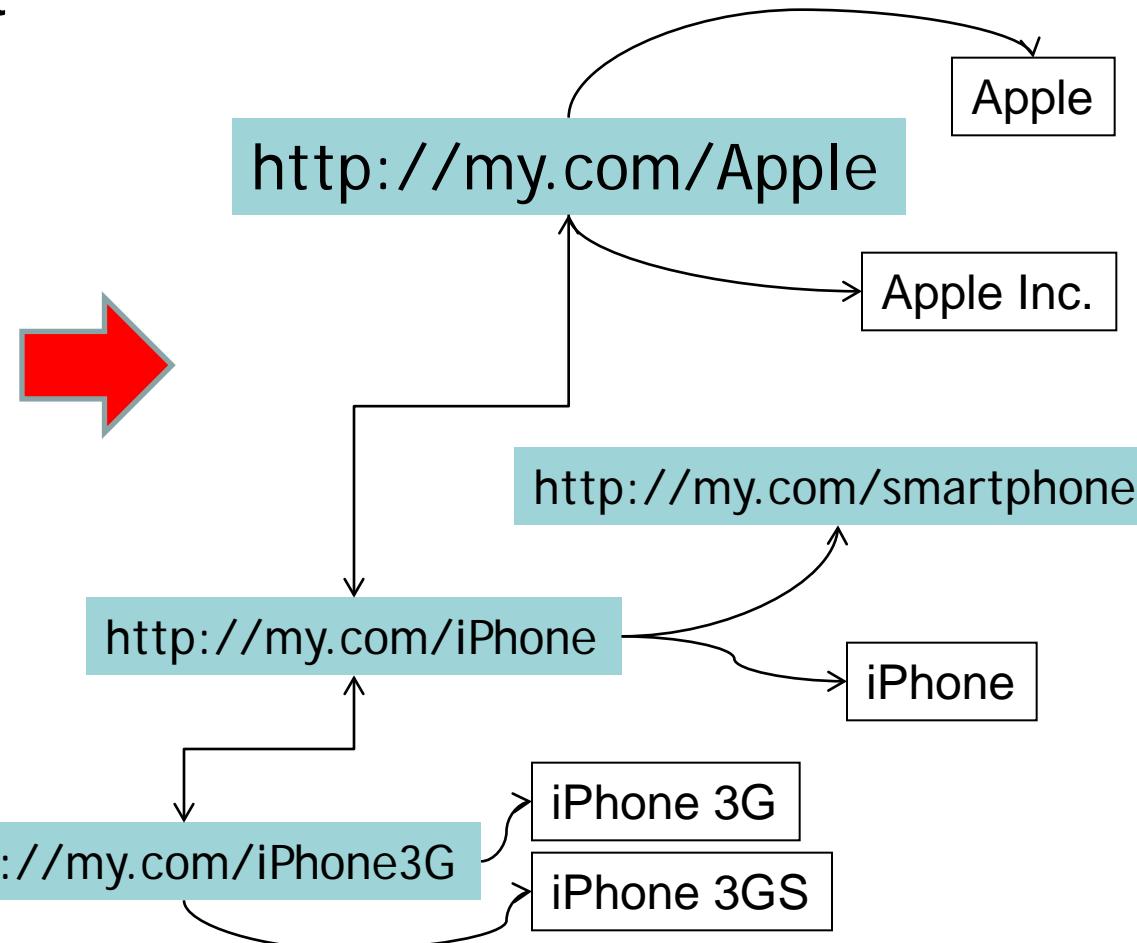
application

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

poolparty

Search: ThesaurusSearch

Toolbar

PROJECT DOCUMENTS TOOLS OPTIONS HELP ABOUT POOLPARTY

Geographical Thesaurus

- Free Concepts
- Places
- Regions
 - Africa (5)
 - Americas (4)
 - Antarctica (0)
 - Asia (5)
 - Europe (4)
 - Eastern Europe (10)
 - Northern Europe (17)
 - Southern Europe (18)
 - Western Europe (9)
 - Austria (2)
 - Belgium (0)
 - France (0)
 - Germany (3)** Selected concept
 - Berlin (2)
 - Hamburg (0)
 - Leipzig (0)
 - Liechtenstein (0)
 - Luxembourg (0)
 - Monaco (0)
 - Netherlands (0)
 - Switzerland (0)
 - Oceania (4)

Hierarchy tree

Selected Concept
Germany
(<http://www.hundocs.org/micro-thesaurus/m15040428>)

SKOS MetaData Documents See Also Linked Data Triples Visualization Geo

<p>Broader Western Europe</p> <p><input type="radio"/> Germany</p> <p><input type="radio"/> Deutschland</p>	<p>Preferred Label (translate)</p> <p><input type="radio"/> <input checked="" type="radio"/> Germany</p> <p><input type="radio"/> <input checked="" type="radio"/> Deutschland</p>
<p>Narrower</p> <p><input type="radio"/> Berlin</p> <p><input type="radio"/> Hamburg</p> <p><input type="radio"/> Leipzig</p> <p><input type="radio"/> University of Leipzig</p>	<p>Alternative Label</p> <p><input type="radio"/> <input checked="" type="radio"/> Federal Republic of Germany</p> <p><input type="radio"/> <input checked="" type="radio"/> Western Germany</p>
<p>Related</p> <p><input type="radio"/> University of Leipzig</p>	<p>Hidden Label</p> <p><input type="radio"/> <input checked="" type="radio"/> Western Germany</p>
	<p>Scope Note</p> <p><input type="radio"/> <input checked="" type="radio"/> Reunified Germany after 1990</p>
	<p>Definition</p> <p>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.</p>



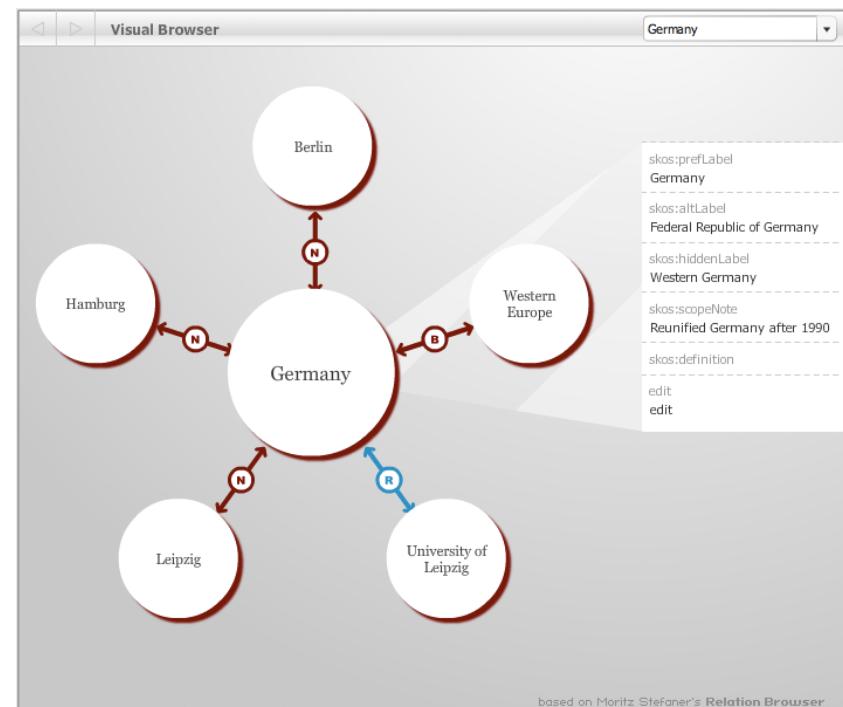
Full compatibility with SKOS/RDF

SKOS	MetaData	Documents	See Also	DBpedia	Triples	Visualization	Geo
Broader Western Europe (+) (+)	Semantic Relations		Preferred Label (?) (?) Germany (?) (?) Deutschland	Lexical Labels (en) (de)			
Narrower (x) (x) Berlin (x) (x) Hamburg (x) (x) Leipzig (+) (+)			Alternative Label (?) (?) Federal Republic of Germany (+) (+) (+) (+)	(en) (de)			
Related (x) (x) University of Leipzig (+) (+)			Hidden Label (?) (?) Western Germany (+) (+) (+) (+)	(en) (de)			
			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 [Hide Unselected Tags](#)

Add Tag

Save Tag Event

Cancel

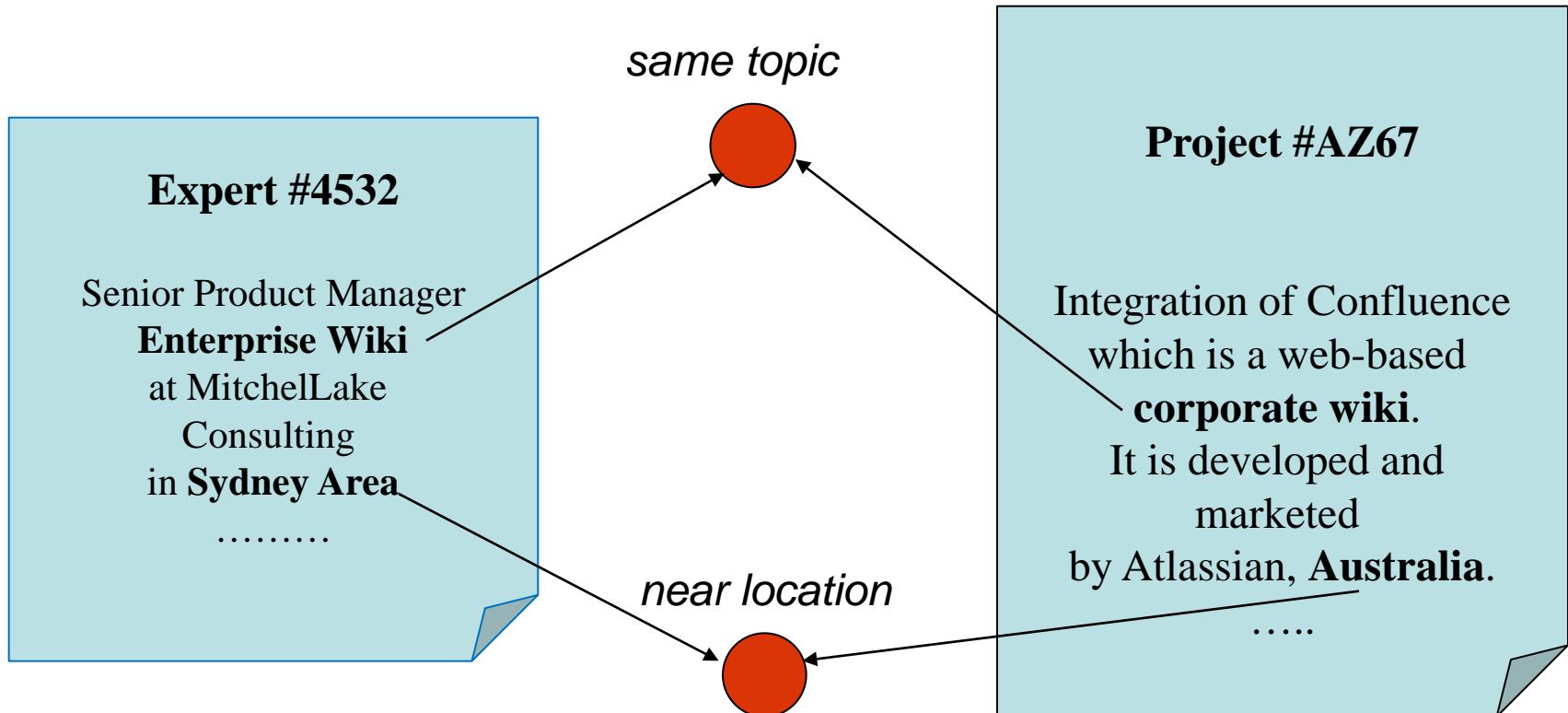


Some Applications on top of PoolParty

- **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

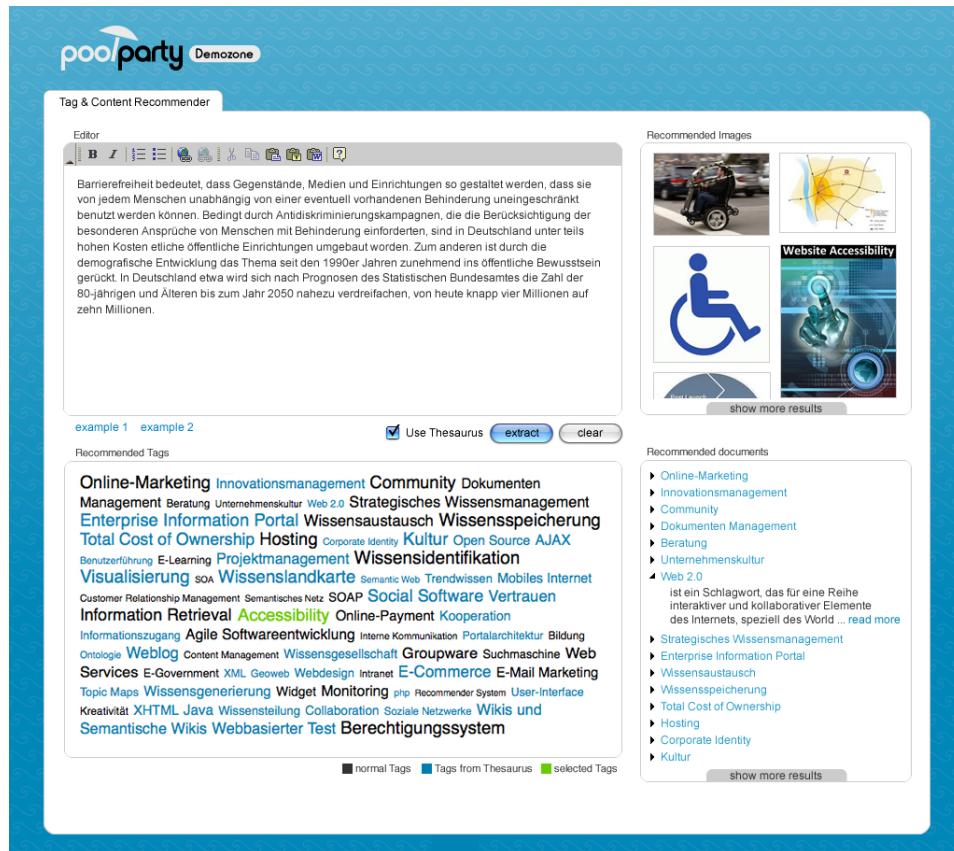


Similarity search: finding the unexpected...





PoolParty DemoZone



The screenshot shows the PoolParty DemoZone interface with a blue wavy background. At the top left is the logo "poolparty Demozone". Below it is a "Tag & Content Recommender" section with a toolbar and a text area about barrier-free design. Below this are sections for "Recommended Tags", "Recommended Images", and "Recommended documents". The "Recommended Tags" section lists various terms like "Online-Marketing", "Innovationsmanagement", "Community", etc. The "Recommended Images" section shows thumbnails for "Barrierefreiheit", "Website Accessibility", and "Handicap". The "Recommended documents" section lists items such as "Web 2.0", "Strategisches Wissensmanagement", and "Enterprise Information Portal". A legend at the bottom indicates three types of tags: "normal Tags" (grey), "Tags from Thesaurus" (blue), and "selected Tags" (green).

- 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

em.teba beta
emerging technology base

ALL CATEGORIES

WELCOME MY PROFILE MY PROJECTS MY ORGANISATIONS MY EVENTS MY LIBRARY

Home > Personal area > My Projects

MY PROJECTS > EDIT PROJECT

Project name*: e-HOME - Context-Aware and Distributed Embedded

FFG-Project Number: 815195

Acronym: e-HOME

Original abstract

The e-HOME project will carry out R&D activities for an assistive home system which can prolong the time of independent living for elderly people. It consists of an intelligent and adaptive network of wireless sensors for activity monitoring which is connected to a context-aware central embedded system. By learning and adapting to individual user behaviour, it can detect changes in the environment and adapt to situations and emerging medical conditions. Early results in behaviour monitoring with distributed sensors proved the viability of the approach. Targeted research into specific technological areas and user-centered testing of prototypes will provide the solutions necessary for the practical application in home-monitoring. The scope of research to be carried out includes (among others) the real-time and parallel use of

Duration from: 01.03.2008

Duration to: 31.08.2010

Research area*: Embedded Systems

Contact persons*: Statzny Auguste, Danner Barbara, Egger Wolfgang, Hauschek Walter, Barth Markus

Organisations: TREVENTUS Mechatronics

semal

INNOVATION MEETING POINTS
CETI RALTEC gemeinnützige GmbH
Technische Universität Wien
Institut für "integriert studieren"
Kapsch CarrierCom AG

Results

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

Further information

Tags (min. 3 topics)*

selected Tags: sensor data, data base management, health, assistive home

recommended Tags: reload, sensor embedded system, assistive home project, computer communication networks, data research, distributed systems, seamless connectivity, sensor data, independent living, Wireless Networks, wireless sensor, information systems, applications, power management, elderly persons, pattern recognition, e-HOME, sensors, adaptive patterns, e-Home Homepage, e-Home Homepage, Context-Aware Assistive Home, Assistive Home Technology, time, elderly, wireless

VERSIONS (4)

current version: 03.11.2009 13:48
emteba emteba

6. version: 03.11.2009 11:44
emteba emteba

5. version: 29.08.2009 16:14
Paul Panek

4. version: 23.07.2009 16:38
Paul Panek

| FAQ | About Emteba



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

New Project

Metadata Languages Repository Type Document Processing **Linked Data** Usergroups

URI Generation: URI

Generating URIs according to the following settings.

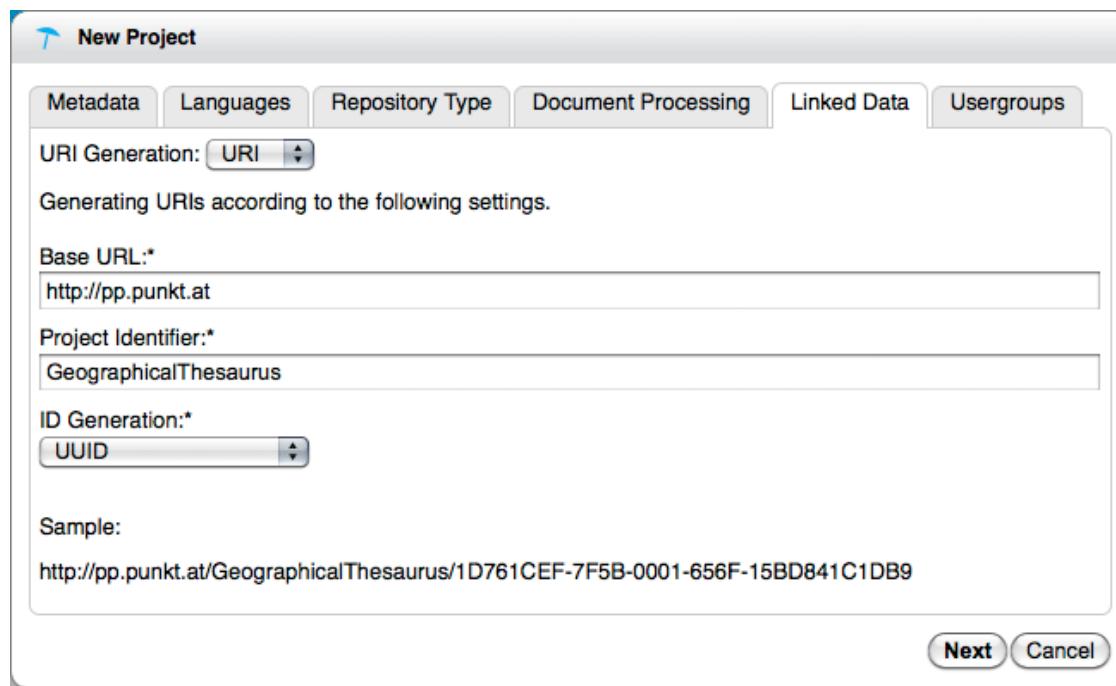
Base URL:

Project Identifier:

ID Generation:

Sample: <http://pp.punkt.at/GeographicalThesaurus/1D761CEF-7F5B-0001-656F-15BD841C1DB9>

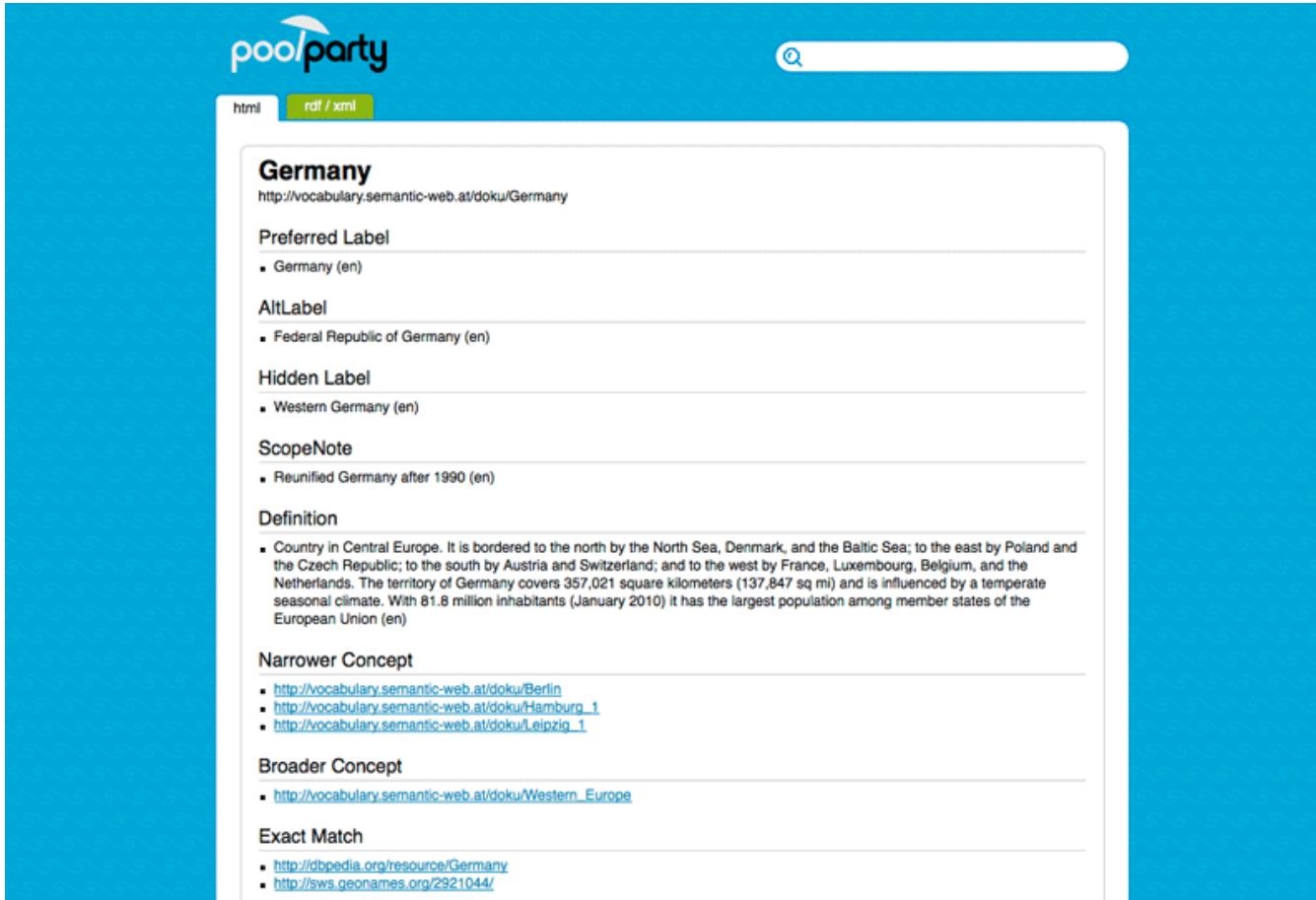
Next Cancel



- using linked data patterns and „Cool URIs“
 - Linked Data front-end
- Additionally:
- Wiki front-end
 - SPARQL-endpoint



Linked Data frontend



The screenshot shows a search results page for the term "Germany". The interface has a blue header with the "poolparty" logo and a search bar. Below the header, there are tabs for "html" and "rdf / xml", with "rdf / xml" being the active tab.

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

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)



PoolParty Thesaurus Management 2.7 - Semantic Web - Linked Data - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://open.poolparty.punkt.at/PoolParty/index.jsp#

PoolParty Thesaurus Management 2...

poolparty 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)	en de
	Budweiser	
Narrower	Alternative Label	en de
Related	Hidden Label	en de
United States		
	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

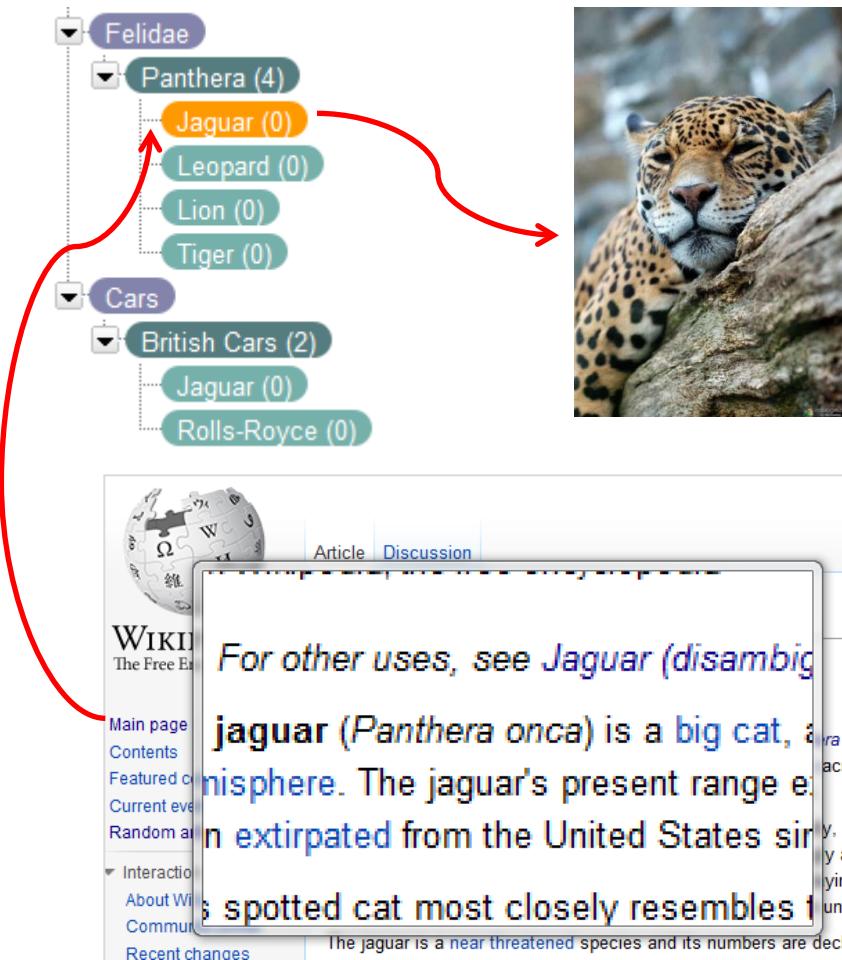


Semantic Search





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

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



Search Assistants

ecm | Thesaurus Search ▾

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

Selected Concept
enterprise content management
(um:uid: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

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.

Sample 1 Sample 2 Sample 3 Clear Use Thesaurus Extract Text

Recommended 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
 social responsibility

■ Extracted Tags ■ Tags from Thesaurus ■ Selected Tags

Show more 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 einfordern, 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 **extract** clear

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 phr Recommender System User-Interface Kreativität XHTML Java Wissensteilung Collaboration Soziale Netzwerke Wikis und Semantic Wikis Webbasiert Test Berechtigungssystem

■ normal Tags ■ Tags from Thesaurus ■ selected Tags

Recommended Images

Website Accessibility

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] **Selected**
- German/Austria [de-at]

Set Default Language

Next Cancel

Preferred Label ([translate](#))

Qatar

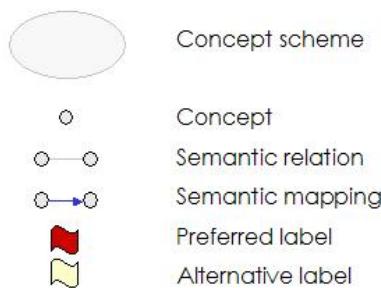
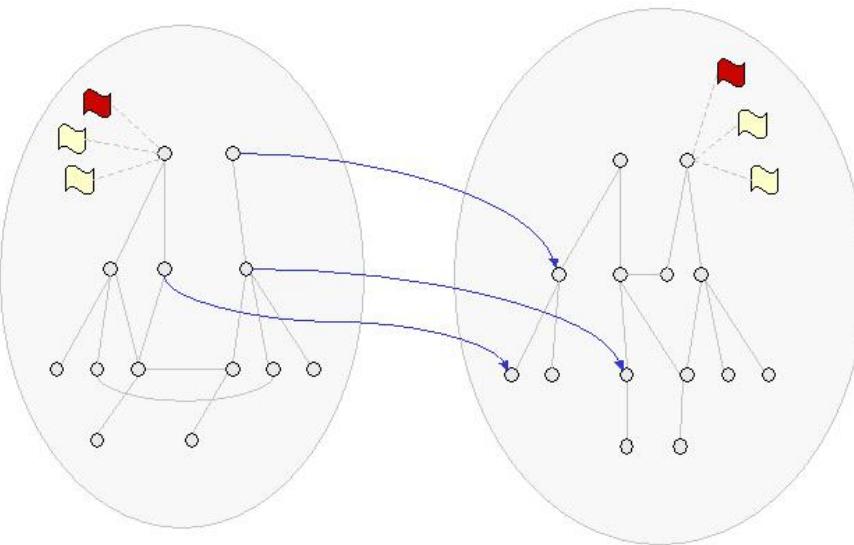
Translation

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 : Катар



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.hurldocs.org/micro-thesaurus/mft15040428>)

SKOS Metadata Linked Data Triples Visualization Geo

Notes History

Note Type: All Notes

Author: All authors

From/To:

① 2010-08-02 13:59:25 - History Note (nagyhel)
Concept History Note
Information about the past state/use/meaning of a concept.

① 2010-08-02 13:58:50 - Editorial Note (nagyhel)
Concept Editorial Note
Information for an editor, translator or maintainer of the concept.

① 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: Durchsuchen...

RDF Format:

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 subtrees
- custom reports and XML exports based on PoolParty's template engine



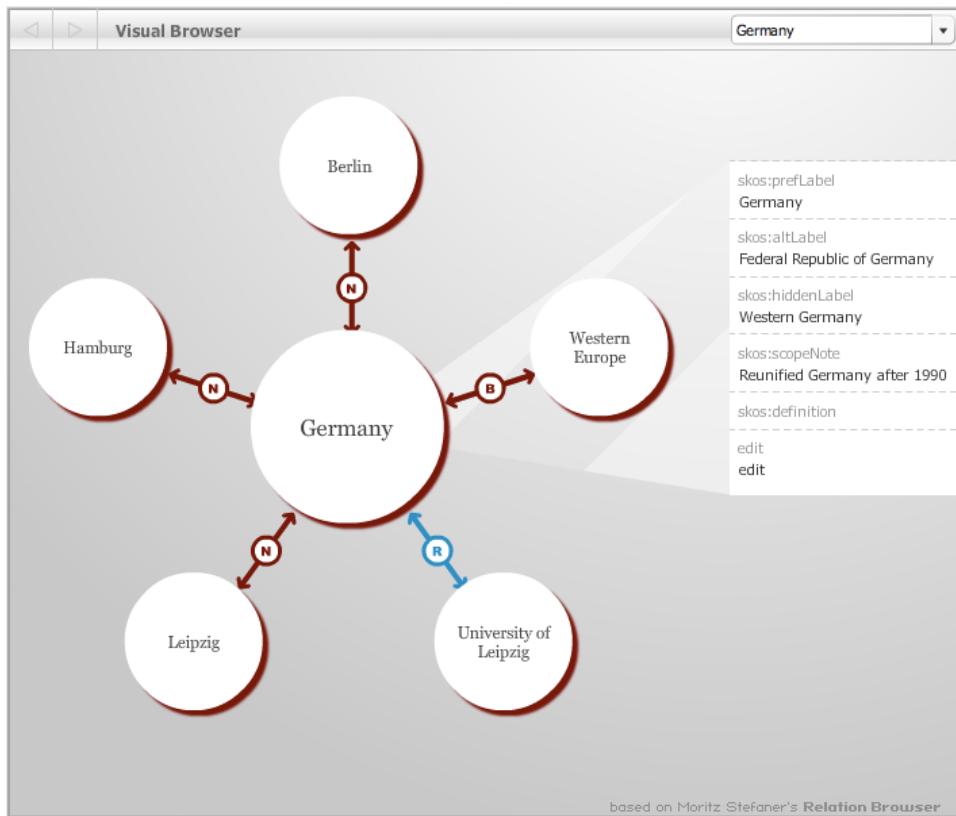
Quality checks and validation service

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:uuid:1D75F95A-A56F-0001-16B0-C810EC19ABF0)

SKOS MetaData Documents See Also DBpedia Triples Visualization Geo

Geo

Map Satellite Terrain

POWERED BY Google

faceting FAST FAST ESP FAST Recommendations Financial Times Flickr Fortune FOSS

Google Apps Google Search Google Search Appliance Google

Google

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

discovery knowledge engineering knowledge management system knowledge-worker Langugageware 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

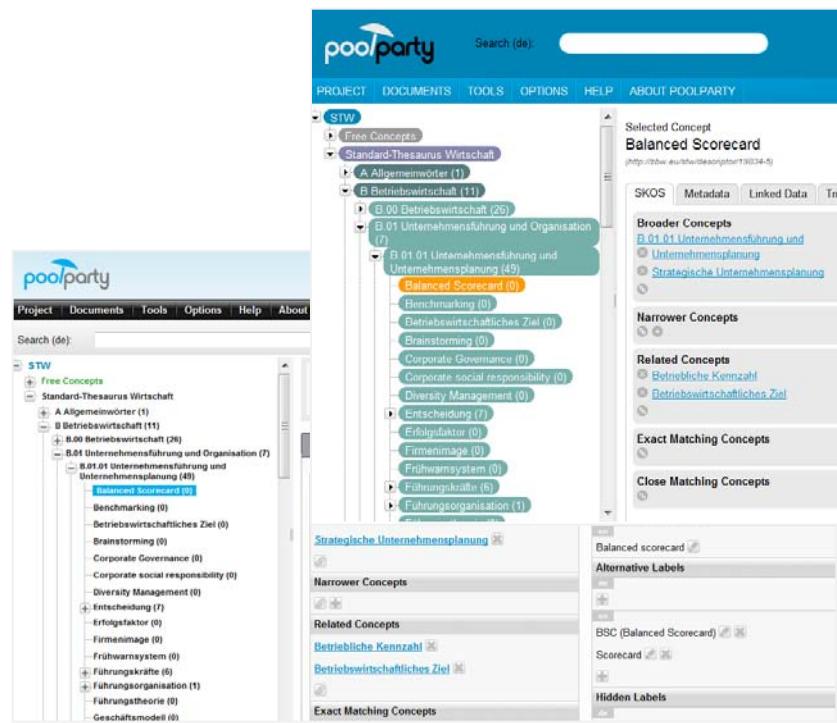
management Oracle Beehive PageRank PARC Personalized recommendations phonetic search

PoolParty Powerset query refinement Question answering Radar Networks related terms suggestions

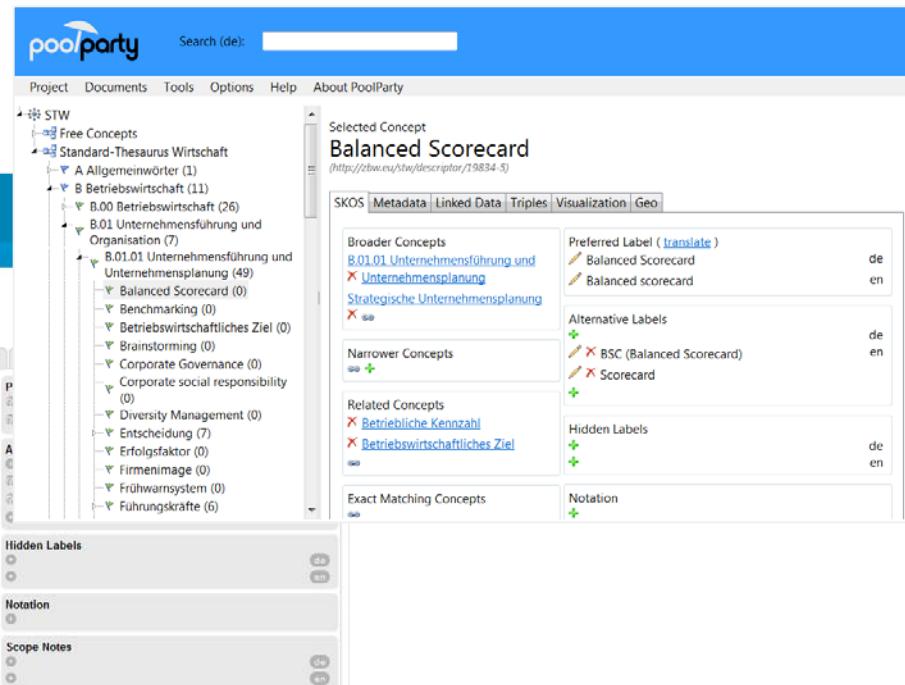
Related-item recommendations REST San Diego San Francisco Scrum search search



Use your favourite theme!



The screenshot shows the poolparty interface with a standard blue-themed header. The main area displays a search result for 'Balanced Scorecard'. The results are categorized into 'Broader Concepts' (e.g., B.01.01 Unternehmensführung und Unternehmensplanung), 'Narrower Concepts' (e.g., Balanced Scorecard, Benchmarking, Betriebswirtschaftliches Ziel), and 'Related Concepts' (e.g., Entscheidung, Erfolgsfaktor). The sidebar on the left shows a tree view of the Standard-Thesaurus Wirtschaft.



The screenshot shows the poolparty interface with a dark-themed header. The main area displays the same search results for 'Balanced Scorecard' as the first screenshot, but with a different visual style. The sidebar on the left shows a tree view of the Standard-Thesaurus Wirtschaft. The right panel provides detailed information about the selected concept, including its preferred label ('Balanced Scorecard'), alternative labels ('BSC (Balanced Scorecard)', 'Scorecard'), and related concepts ('Betriebliche Kennzahl', 'Betriebswirtschaftliches Ziel').



Contact

Apply for a PoolParty demo account
<http://poolparty.punkt.at/>

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