

Semantic Web Technologies II

SS 2008

09.07.2008

Semantic Web 2.0 III

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Web 3.0

- A World Wide Web (of data)
- Bottom-up, user-centred approach
- “A little semantics goes a long way”

Semantic Web 2.0

Example: Semantic MediaWiki

Wikipedia today

Brač is a [Croatian](#) island in the [Adriatic Sea](#). The island has a population of 13,000, living in numerous little towns, ranging from the 'main town' [Supetar](#), with more than 2,500 inhabitants, to [Novo Selo](#), where only a dozen people live. Today, Brač lives mostly on [tourism](#), but [fishing](#) and [agriculture](#) (especially [wine](#) and [olives](#)) are very important too, as is selling its precious, white stone (which was used in building [Diocletian's Palace](#) in [Split](#), and is built into the [White House](#) in [Washington, DC](#), too).

Category: [Croatian Island](#)

How are they linked?

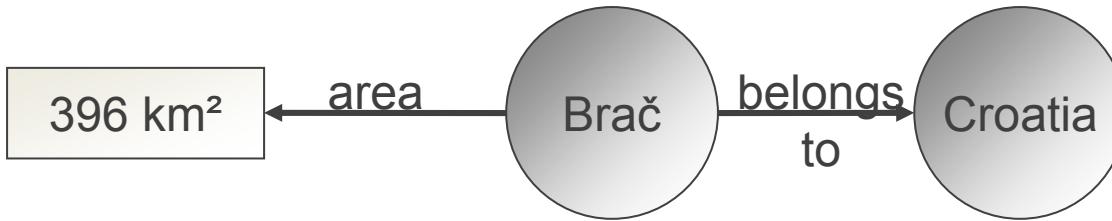
Brač	belongs to	Croatia
Brač	located in	Adriatic Sea
Brač	has town	Supetar
Brač	has town	Novo Selo
Brač	lives on	tourism
Brač	lives on	fishing
Brač	lives on	agriculture

Typed links

- Extend wiki with typed links
- So the computer “understands” it

Brač is a

`[[belongs to::Croatia]] n`
 island with an area of
`[[area::396 km2]] .`



Mapping of OWL to SMW

owl:Individual	Article
owl:Class	Category
owl:ObjectProperty	Property with type page
owl:DatatypeProperty	Property with other types
Object property instance	Typed link [[property::object]]
Datatype property instance	[[property::value]]
rdf:type class Class instantiation	[[Category:class]] (on article page)
rdfs:subClassOf class Subsumption	[[Category:class]] (on category page)
rdfs:subPropertyOf prop Property subsumption	[[Subproperty of:prop]] (on category page)

How does it look like?

Brač

Brač is a Croatian island in the Adriatic Sea. The island has a population of 13,000, living in numerous little towns, ranging from the 'main town' Supetar, with more than 2,500 inhabitants, to Novo Selo, where only a dozen people live. It has an area of 396 km².

Today, Brač lives mostly on tourism, but fishing and agriculture (especially wine and olives) are very important too, as is selling its precious, white stone (which was used in building Diocletian's Palace in Split, and is built into the White House in Washington, DC, too).

Category: Croatian island

Brač

Brač is a Croatian island in the Adriatic Sea. The island has a population of 13,000, living in numerous little towns, ranging from the 'main town' Supetar, with more than 2,500 inhabitants, to Novo Selo, where only a dozen people live. It has an area of 396 km².

Today, Brač lives mostly on tourism, but fishing (especially wine and olives) are very important too, as is selling its precious, white travertine, which was used in building Diocletian's Palace in Split, and is built into the White House in Washington D.C.

396,000,000 m²
3,960 ha
152.896 miles²

Facts about Brač — Click +🔍 to find similar pages.

RDF feed 🔍

Relations to other articles

Belongs to Croatia +🔍

Located in Adriatic Sea +🔍

Has town Supetar +🔍, and Novo Selo +🔍

Lives on tourism +🔍, fishing +🔍, and agriculture +🔍

Attribute values

Population 13,000 +🔍

Area 396,000,000 m² (396 km², 3,960 ha, 152.896 miles²) +🔍

Category: Island

Lives on Tourism

A list of all pages that have a relation “Lives on” to the page “Tourism”

- Budva + ⓘ
- Brač + ⓘ
- Croatia + ⓘ
- Las Vegas, Nevada + ⓘ
- Rio de Janeiro + ⓘ
- Busan + ⓘ
- Dubai + ⓘ

Relation

To

```
<owl:Class rdf:about="&smw;Thing">
    <rdfs:isDefinedBy rdf:resource="http://smw.ontoware.or
</owl:Class>
<!-- exported page data --&gt;
&lt;smw:Thing rdf:about="&amp;thing;Bra-C4-8D"&gt;
    &lt;rdfs:label&gt;Brač&lt;/rdfs:label&gt;
    &lt;smw:hasArticle rdf:resource="&amp;wikiurl;Bra%C4%8D"/&gt;
    &lt;rdfs:isDefinedBy rdf:resource="&amp;wikiurl;Special:Expor
    &lt;rdf:type rdf:resource="&amp;thing;Category-3AIslan"&gt;
    &lt;relation:Belongs_to rdf:resource="&amp;thing;Croatia"/&gt;
    &lt;relation:Located_in rdf:resource="&amp;thing;Adriatic_Sea
    &lt;relation:Has_town rdf:resource="&amp;thing;Supetar"/&gt;
    &lt;relation:Has_town rdf:resource="&amp;thing;Novo_Selo"/&gt;
    &lt;relation:Lives_on rdf:resource="&amp;thing;Tourism"/&gt;
    &lt;relation:Lives_on rdf:resource="&amp;thing;Fishing"/&gt;
    &lt;relation:Lives_on rdf:resource="&amp;thing;Agriculture"/&gt;
    &lt;attribute:Population rdf:datatype="http://www.w3.org/
    &lt;attribute:Area-23m-26sup2-3B rdf:datatype="http://www
&lt;/smw:Thing&gt;
<!-- auxilliary definitions --&gt;
&lt;owl:Class rdf:about="&amp;thing;Category-3AIslan"&gt;
    &lt;rdfs:label&gt;Category:Island&lt;/rdfs:label&gt;
    &lt;smw:hasArticle rdf:resource="&amp;wikiurl;Category:Island
    &lt;rdfs:isDefinedBy rdf:resource="&amp;wikiurl;Special:Expor
&lt;/owl:Class&gt;</pre>
```

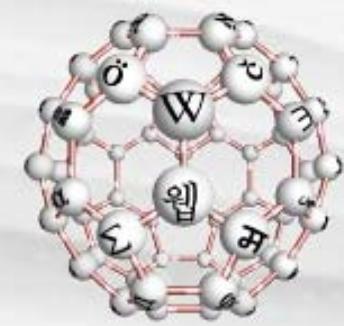
Advantages

Automatic tables and lists

- Many pages answer questions
 - list of female tennis players
 - asteroids named after people
 - countries sorted by area, population, ...
- They can be generated automatically
- Less maintenance tasks
- Higher consistency

Inline queries

```
{ { #ask:  
    [ [Category:Country] ]  
    [ [located in::Africa] ]  
    [ [population:>1,000,000] ]  
    [ [population:<10,000,000] ]  
    | ?population  
    | ?area=km2  
    | ?borders  
} }
```



Editing Africa

Preview

This is only a preview; changes have not yet been saved!

Africa is a continent of the [Earth](#), south to [Europe](#) and southwest of [Asia](#).

List of African countries

	Population	Area	Borders
Benin	8,439,000	112,620 km ²	Burkina Faso Niger Nigeria Togo
Botswana	1,765,000	600,370 km ²	Namibia South Africa Zambia Zimbabwe
Burundi	7,548,000	27,830 km ²	Democratic Republic of the Congo Rwanda Tanzania
Central African Republic	4,038,000	622,984 km ²	Cameroon Chad DRC Sudan

navigation

- [Main Page](#)
- [People](#)
- [Events](#)
- [Help](#)
- [Browse wiki](#)
- [RDF Feeds](#)
- [Recent changes](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)

Editing Africa

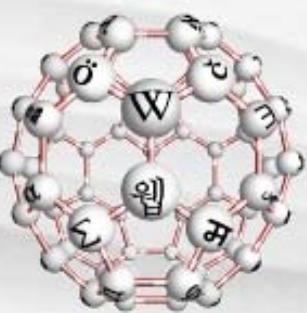
Preview

This is only a preview; changes have not yet been saved!

Africa is a continent of the Earth, south to Europe and southwest of Asia.

List of African countries

	Population	Area	Borders
Benin	8,439,000	43,482.825 miles ²	Burkina Faso Niger Nigeria Togo
Botswana	1,765,000	231,804.153 miles ²	Namibia South Africa Zambia Zimbabwe
Burundi	7,548,000	10,745.223 miles ²	Democratic Republic of the Congo Rwanda Tanzania
Central African Republic	4,038,000	240,535.467 miles ²	Cameroon Chad Democratic Republic of the Congo



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- Main Page
- People
- Events
- Help
- Browse wiki
- RDF Feeds
- Recent changes

search

Go
Search

toolbox

- What links here
- Related changes
- Upload file
- Special pages



navigation

- [Main Page](#)
- [Tools](#)
- [Ontologies](#)
- [People](#)
- [Events](#)

services

- [Editing help](#)
- [Browse wiki](#)
- [OWL/RDF feeds](#)
- [Recent changes](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)



Main Page

The **Semantic Web** is the extension of the World Wide Web that enables people to share *content* beyond the boundaries of applications and websites. It has been described in rather different ways: as a *utopic vision*, as a *web of data*, or merely as a *natural paradigm shift* in our daily use of the Web. Most of all, the Semantic Web has inspired and engaged many people to create innovative semantic technologies and applications. **semanticweb.org** is the common platform for this community.

You can extend semanticweb.org. Make sure that your favourite semantic tool, event, or ontology is here!

Events [Cal. 2008]

ICCS2008 ([Toulouse](#), 7 July 2008, subevents: CS-TIW2008), ICCHP2008 ([Linz](#), 9 July 2008), AAAI2008 ([Chicago](#), 13 July 2008), SIWN 2008 ([Glasgow](#), 22 July 2008), ECAI2008 ([Patras](#), 21 July 2008) [view all events ...](#)

Tools [RSS]

The following Semantic Web tools have been recently released: ARC (Version 2, 4 July 2008), QuASAR (verification tool) (30 June 2008), BOWiki (Version 0.14, 23 June 2008), Tabulator (Version 0.8.4, 18 June 2008), and SWiM (Version 0.2.1, 17 June 2008) [view all tools ...](#)

News

- **June 23 2008.** semanticweb.org now provides contact data for all people in [vCard](#) format. To import contacts into your address book, select the vCard link in the upper right corner of personal info boxes. vCard support is provided by SMW's new vCard format for semantic queries, i.e. any query result can be obtained as vCard easily. Examples are found on pages of institutions such as AIFB.

Getting started

- [Introduction to the Semantic Web](#)
- [Getting started](#)
- [Success stories](#)

Community

- [Community portals](#)
- [Events](#)
- [People](#)

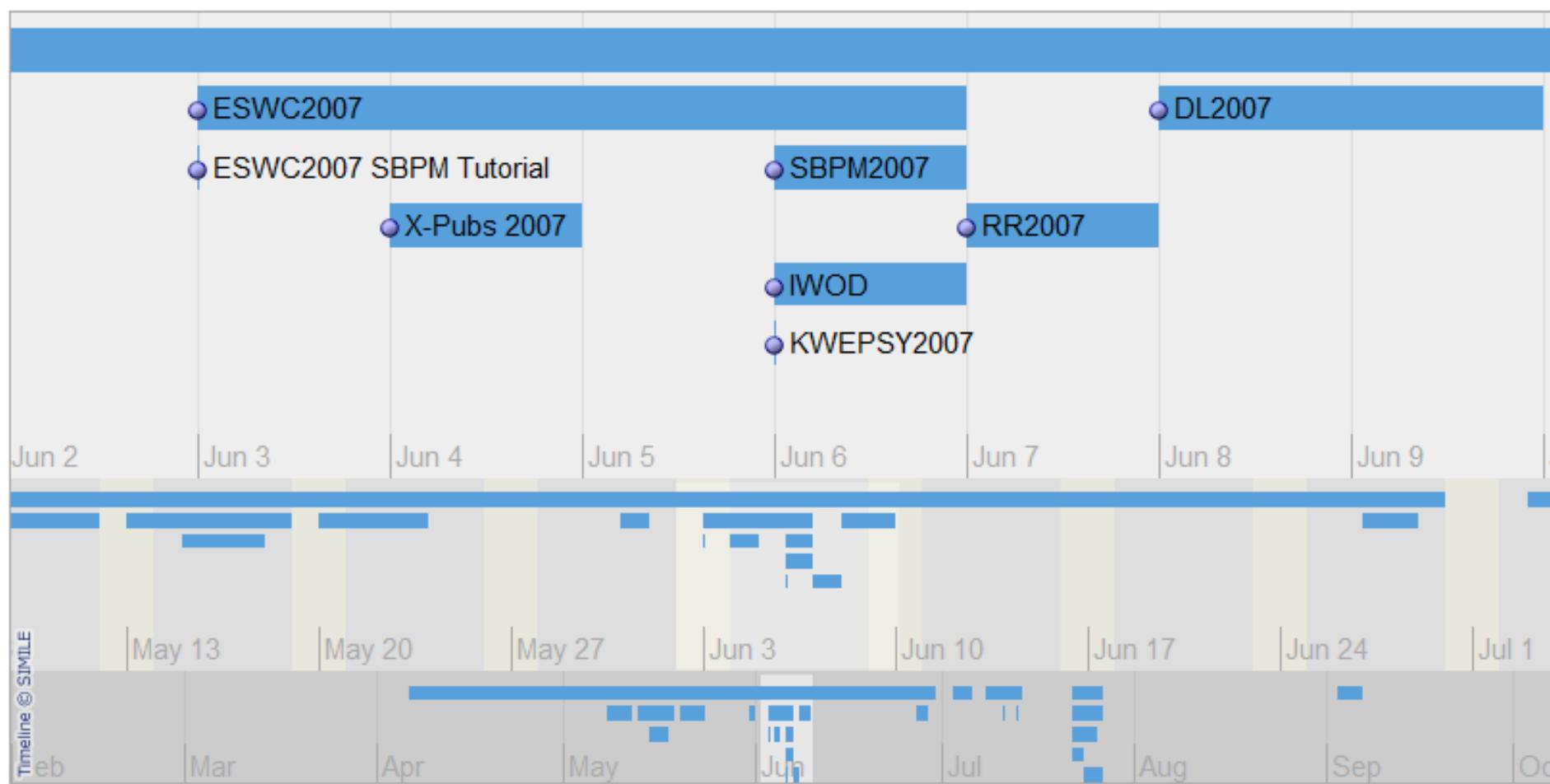
Technology

- [Semantic Web standards](#)
- [Tools](#)
- [Ontologies](#)

Upcoming conferences, etc.: [WWW2007](#) (Banff, 8 May 2007), [XTech2007](#) (Paris, 15 May 2007), [ICIW2007](#) (Morne, 13 May 2007), [SemTech 2007](#) (San Jose, California, 20 May 2007), [ESTC 2007](#) (Vienna, 31 May 2007) [full list](#)

Upcoming submission deadlines: [Semantics4ws2007](#) (15 May 2007), [ISWC2007](#) (18 May 2007), [KOST2007](#) (21 May 2007), [I-KNOW2007](#) (21 May 2007), [FAInt-07](#) (8 June 2007), [CentiarePrize2007](#) (30 June 2007), [Hypertext 2007](#) (2 July 2007) [full list](#)

The following timeline shows the next 25 events with articles in this wiki.



List of upcoming events

[\[edit\]](#)

A link to further results is found at the end of this list.

<input type="checkbox"/>	<input checked="" type="checkbox"/> Name	<input type="checkbox"/>	City	<input type="checkbox"/>	Country	<input type="checkbox"/> Start date	<input type="checkbox"/> End date
--------------------------	--	--------------------------	------	--------------------------	---------	-------------------------------------	-----------------------------------

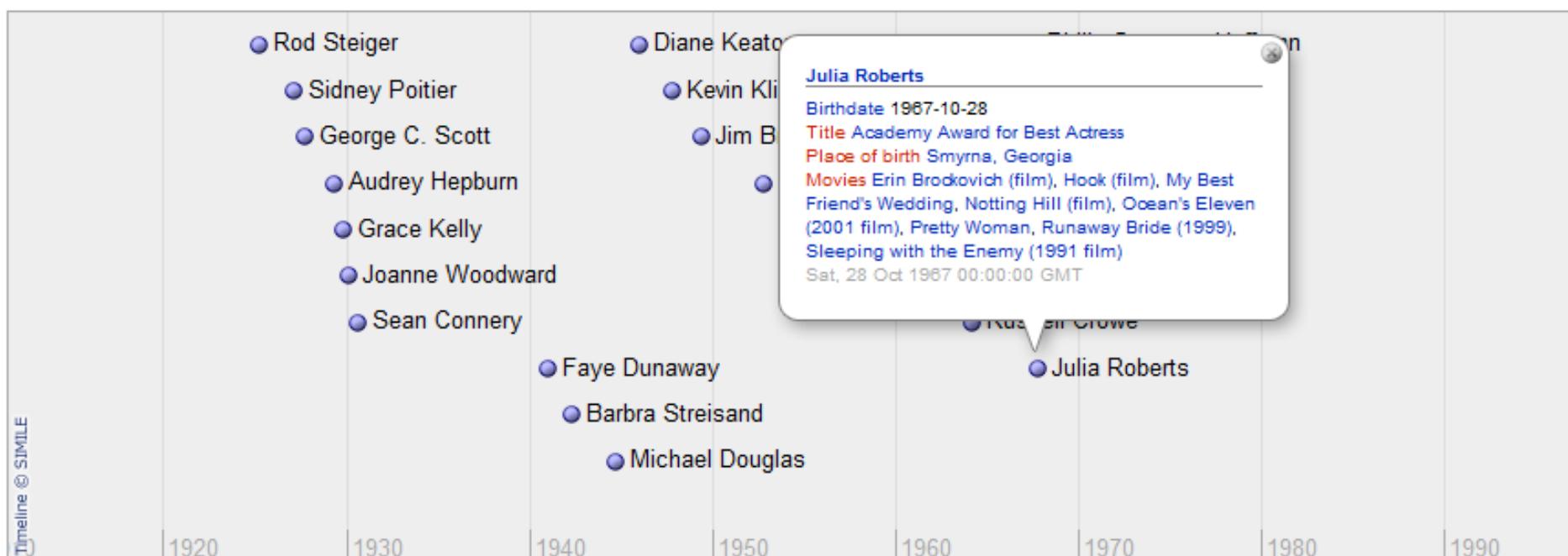
This is a mirror of the English Wikipedia running on Semantic MediaWiki. We put this up for experimental reasons. [Read more](#).

Oscar winner timeline

From Wikipedia, the free encyclopedia

The **Academy Awards**, popularly known as the **Oscars**, are the most prominent [film](#) awards in the [United States](#) and most watched awards ceremony in the world.

The timeline of the birth of winners of an Academy Award.



The Awards are granted by the [Academy of Motion Picture Arts and Sciences](#), a professional honorary organization, which as of 2003 had a voting membership of 5,816. Actors (with a membership of 1,311) make up the largest voting bloc. The votes have been tabulated and certified by the auditing firm [PricewaterhouseCoopers](#) for 72 years, close to the awards' inception. [1] They are intended for the films and persons the Academy believes have the top achievements of the year. [2]

Hand crafted checks

- Does every country have one capital?
- Is there a person with more than one mother?
- Is every person born before dying?
- Does the population density fit to population and size?

Multilinguality

- Automatic check of consistency over language boundaries
- Generating pages for smaller Wikipedias
- Browsing information in different languages
- Localizations
 - Arabic
 - German
 - English
 - French
 - Italian
 - Korean
 - Dutch
 - Polish
 - Russian
 - Slovak
 - Simplified Chinese
 - Traditional Chinese
 - Javanese
 - Norwegian
 - Portuguese
 - Occitan
 - Afrikaans
 - Bulgarian
 - Esperanto
 - Spanish
 - Hebrew
 - Suomi
 - Hindi
 - Haitian
 - Luxembourgian
 - Marathi
 - Polish
 - Swedish
 - Vietnamese

Reuse vocabulary

- Existing vocabulary can be mapped
- Wiki directly usable as data source
 - No external mapping required
- Define vocabulary and mapping
- But: no complex mappings

Enrico Motta

Enrico Motta is an Italian who is a professor at [Open University](#).

He knows [Miriam Fernandez](#), [Tom Heath](#), [Saartje Brockmans](#), [Sean Bechhofer](#), [Natasha Noy](#), [Asun Gomez-Perez](#), my mom, [Michele Pasin](#), [Marta Sabou](#), [Vanessa Lopez](#), and many others.

Facts about Enrico Motta — Click +🔍 to find similar pages.

[View as RDF](#) 🔍

Relations to other articles

Nationality [Italy](#) +🔍

Affiliation [Open University](#) +🔍

Knows [Miriam Fernandez](#) +🔍, [Tom Heath](#) +🔍, [Saartje Brockmans](#) +🔍, [Sean Bechhofer](#) +🔍, [Natasha Noy](#) +🔍, [Asun Gomez-Perez](#) +🔍, [mom](#) +🔍, [Michele Pasin](#) +🔍, [Marta Sabou](#) +🔍, and [Vanessa Lopez](#) +🔍

Categories: [Person](#) | [Man](#) | [Professor](#)

```
<rdf:RDF
  xmlns:rdf="&rdf;" 
  xmlns:rdfs="&rdfs;" 
  xmlns:owl = "&owl;" 
  xmlns:smw="&smw;" 
  xmlns:wiki="&wiki;" 
  xmlns:thing="&thing;" 
  xmlns:relation="&relation;" 
  xmlns:attribute="&attribute;" 
  xmlns:foaf="http://xmlns.com/foaf/0.1/">
  <!-- exported page data -->
<smw:Thing rdf:about="&thing;Enrico_Motta">
  <rdfs:label>Enrico Motta</rdfs:label>
  <smw:hasArticle rdf:resource="&wikiurl;Enrico_Motta"/>
  <rdfs:isDefinedBy rdf:resource="&wikiurl;Special:ExportRDF/Enrico_Motta"/>
  <rdf:type rdf:resource="&thing;Category-3AMan"/>
  <rdf:type rdf:resource="http://xmlns.com/foaf/0.1/Person"/>
  <rdf:type rdf:resource="&thing;Category-3AProfessor"/>
  <relation:Nationality rdf:resource="&thing;Italy"/>
  <relation:Affiliation rdf:resource="&thing;Open_University"/>
  <foaf:knows rdf:resource="&thing;Miriam_Fernandez"/>
  <foaf:knows rdf:resource="&thing;Tom_Heath"/>
  <foaf:knows rdf:resource="&thing;Saartje_Brockmans"/>
  <foaf:knows rdf:resource="&thing;Sean_Bechhofer"/>
  <foaf:knows rdf:resource="&thing;Natasha_Noy"/>
  <foaf:knows rdf:resource="&thing;Asun_Gomez-2DPerez"/>
  <foaf:knows rdf:resource="&thing;Mom"/>
  <foaf:knows rdf:resource="&thing;Michele_Pasin"/>
  <foaf:knows rdf:resource="&thing;Marta_Sabou"/>
  <foaf:knows rdf:resource="&thing;Vanessa_Lopez"/>
</smw:Thing>
  <!-- auxilliary definitions -->
<owl:Class rdf:about="&thing;Category-3AMan">
  <rdfs:label>Category:Man</rdfs:label>
  <smw:hasArticle rdf:resource="&wikiurl;Category:Man"/>
```

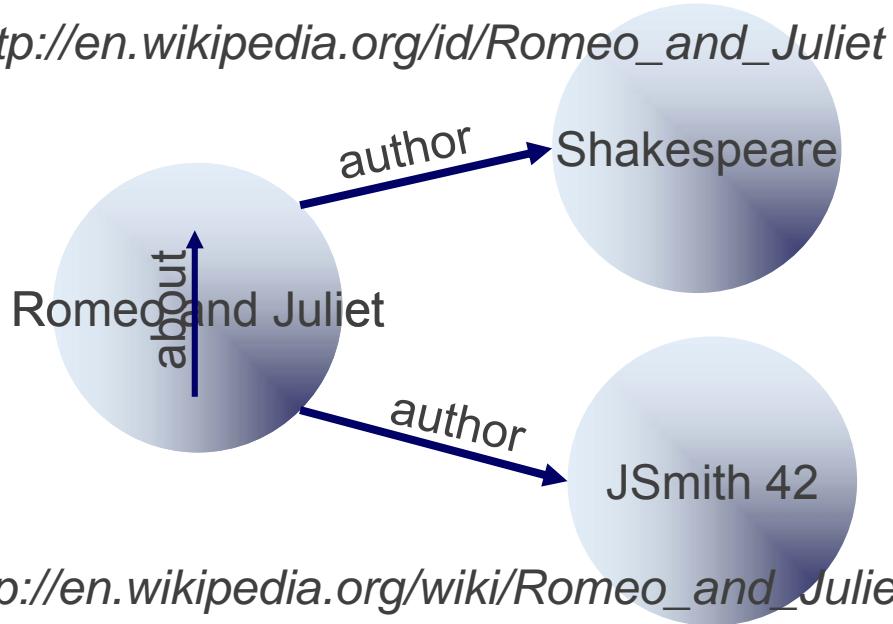
Web ecosystem

Wikipedia as a vocabulary

- Semantic Wikipedia as a resource of URIs
 - Maintaining good URIs is hard
- Documented
- Multilingual labels
- Enables easier mapping
 - Reuse for common terms
 - Helps in mapping the rest structurally

Cool URIs

http://en.wikipedia.org/id/Romeo_and_Juliet



http://en.wikipedia.org/wiki/Romeo_and_Juliet

- Is “Romeo and Juliet” the book, or the article about the book?
- One URI for each
- Redirects in browser

Data reuse

- Machines can understand wiki content
 - Knowledge based applications
 - Amarok Media Player
- Simple to do
 - RDF packages in many languages
 - Java, JavaScript, Ruby, Haskell, C/C++, .Net, PHP, Common Lisp, Prolog, Python...
- All standards: RDF, OWL, SPARQL...

```
import SemanticMediaWiki

ow = SemanticMediaWiki.SMW(
"http://semanticweb.org/wiki/Special:ExportRDF/",
"http://ontoworld.org/id/")

country = ow.load("Angola")
print country
print country.located_in

bordered = country.borders

print len(bordered)
for b in bordered: print b
```

SPARQL : RDF Query Lang

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX thing: <http://semanticweb.org/id/>
PREFIX relation: <http://semanticweb.org/id/Relation-3A>

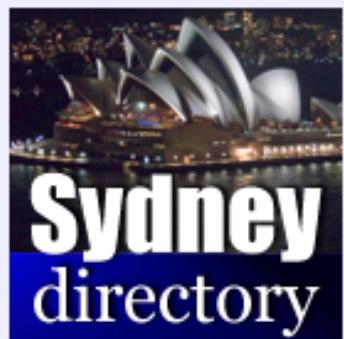
SELECT ?label
WHERE {
    thing:Angola relation:Located_in ?c.
    ?c rdfs:label ?label
}
```

Semantic MediaWiki Installationen

- WikiMaas
- Sydney Directory
- LIOWiki – Internal KM
- Wikicompany
- VaniSource
- SpieleWiki – German, on games
- ArchiPlanet
- Bionik-Wiki
- Bible Wiki
- BO Wiki (Medizin)
- CASE Wiki
- Centiare
- Chemistry SW
- Chickipedia
- Creative Commons
- Discourse DB
- Eureka Science Journal Watch
- Gothic Almanach
- Human Cell
- iNature
- JurisPedia
- MathWeb
- Yugioh@Wikia
- Northern Ireland Gov't Wiki
- PhiloWiki
- Placeography
- Reformed Word
- ScubaWiki
- OneWorldWiki
- MIT Simile
- TechPresentations
- [See more complete list](#)

Wikia bietet es als Option an





Main Page

Location search

Location

Category

Maximum distance

Entertainment

[\[edit\]](#)

- Cinemas
- Theaters

Restaurants

- German
- French
- Italian
- Korean
- Japanese
- Seafood
- Thai

Travel

[\[edit\]](#)

- Attractions
- Hotels

Services

- Child care
- Free WiFi Hots
- Medical

[Main Page](#)[Entertainment](#)[Restaurants](#)[Services](#)[Sports & Recreation](#)[Stores](#)[Takeaway Food](#)[Transport](#)[Location search](#)[Recent changes](#)[search](#)

toolbox

- What links here
- Related changes
- Upload file



Main Page



Wikicompany is a free, worldwide business directory that anyone can edit.

Creating a [new company profile](#) is easy, fast and free.

Wikicompany v
Wikipedia
describes the
differences
between
Wikipedia and
Wikicompany.



Wikicompany profiles are now also part of the exciting [Linking Open Data](#) and [DBpedia](#) projects. These projects provide free, structured data sets and software tools for developing innovative [Semantic Web](#)

Featured companies



Gallery of West Indian Art for over thirty years we have tried to share our own passion for Haitian, Cuban art and Jamaican art with others, and like to invite you to peruse our selection of works.

Haitian artists, Cuban artists, and Jamaican artists.

The islands of Cuba, Jamaica and Haiti are amongst the most beautiful and interesting in the Caribbean, each one brimming with artistic talent. We hope you will enjoy your stay and look forward to hearing from you.



Map and Globe Store

Map & Globe, LLC is the most complete map store in the Southeast, carrying an extensive collection of U.S.G.S. topographic maps, along with thousands of other maps.

Map & Globe sells a number of atlases, antique maps, folding maps, custom maps, much more. Contact Map & Globe for more information or visit our main Map & Globe website.



pbm products

PBM Products has been marketing and distributing infant formulas to more than 20,000 retail locations throughout the world.

The outfit partners with leading food and drug provide a quality, competitively priced product to customers labeled under the sto of companies such as Wal-Mart, Target Co., Kroger, Loblaws, and Walgreens.

The \$200 million enterprise consists of PBM Products, PBM Nutritionals, PBM Pharmaceuticals, and PBM's international holdings, including PBM Products M.R.L de C.V.



United Utilities plc is one of largest operators and wastewater systems in UK.

Providing operations and maintenance services delivering capital programmes for several water companies. Operate a gas network and provide

multi-utility metering and connections.

International

Select a jurisdiction [More information](#)

Participate

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In many cases (blogs, web-based text), the standard CC license button will be appropriate for designating your work with the freedoms you wish to carry. In certain mediums, this isn't the case. In order to make sure your audience understands the license you have chosen, follow our [marking standards](#) on how to correctly label your respective work.

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חדש באתר

שמור טבע וסביבה

טיולים בארץ

שמורות טבע ונופים

לאומיים

צמחי בר בישראל

נופי הארץ

ספרות מומלצת

קישורים

על אודוט

צור קשר

דף אקדמי

עברית

דפים המוקשרים לך

ארסת הדפסה

קישור קבוע

כניסה / הרשמה לחשבון

שמורות טבע ונופים לאומיים

זהו שער המידע על שמורות טבע, נופים לאומיים ואטרים לאומיים בישראל, וכן קישורים לאטרים דומים בעולם. מטרת האתר היא להיות מאגר מידע בסיסי על כל שמורות הטבע, הנופים הלאומיים והאטרים הלאומיים בישראל. דפים חדשים נוספים למערכת באופן שוטף, לפרטיהם ראו "חדש באתר". יש לציין שהנתונים המוצגים חלקיים. יתכן שנוסףו הצעות חדשות או שהמציאות קיימת בוטלה. אם ידוע לכם על אתר ספציפי שחוור או שבוטל, או לחילופין על מידע נוסף לגבי אתר מסוים/טעות במידע לגבי אתר קיים, אשםו לקל עדרון. המידע באתר מעודכן לפחות בפברואר 2007, וחלק לא מבוטל מהאתרים אינם מתוארים בספרים שייצאו בעבר בנושא שמורות טבע בישראל. רוב השמורים והנופים מסומנים במפות סימון שבילים מעודכנות, אך חלק מהאתרים עדין אינם מסומנים במפות אלו. באתר הישן טרם השדרוג היו למעלה מ- 300 דפי מידע על שמורות טבע, נופים לאומיים ואטרים לאומיים. עקב גודלו של מאגר המידע, הוא יועלה בשלבים.

קישורים

[מהם שמורות טבע, נופים לאומיים ואטרים לאומיים?](#)

[תהליכי הכרזת שמורות טבע ונופים לאומיים](#)

[הצעות ישנות לשמורים ונופים שהושגו מסדר היום](#)

[שמורות ופארקים במדרשת התיכון](#)

[שמורות ופארקים ברוחבי העולם](#)

רשימת שמורות הטבע והנופים הלאומיים באתר

שם	כניסה	אזור
3	לא תשלום	הנגב המערבי
3.2	לא תשלום	גוש דן
0.198	לא תשלום	הכרמל
1.05	לא תשלום	השרון הצפוני
0.8	לא תשלום	השרון הדרומי



Navigation

- [Main Page](#)
- [About](#)
- [Help](#)
- [Recent changes](#)

Data

- [Themes](#)
- [Topics](#)
- [Sources](#)
- [Authors](#)
- [All items](#)
- [Opinion item calendar](#)
- [Recent items](#)
- [Browse data](#)
- [Semantic search](#)
- [View XML](#)
- [RDF](#)
- [Analysis](#)

Contribute

- [Add an item](#)
- [Add an author](#)
- [Add a source](#)
- [Add a topic](#)
- [How to add content](#)

Search

 [Go](#) [Search](#)

Toolbox

Post-invasion Iraq

For more information, see the Wikipedia article "[Post-invasion Iraq, 2003–2006](#)"

This is a [topic](#), with start date May 1, 2003 and end date unknown.

Its theme(s) are [Middle East, War](#).

Positions are shown reverse-chronologically, by their earliest opinion item.

Summary of positions for this topic

- [Iraqi government should crack down on Shiite militias \(8 items\)](#)
- [Iraq Study Group's recommendations should be followed \(48 items\)](#)
- [Iraqis should vote on troop pullout \(2 items\)](#)
- [United States should change its approach \(7 items\)](#)
- [United States should fight more ruthlessly \(15 items\)](#)
- [United States should negotiate with Syria \(22 items\)](#)
- [United States should increase troop levels \(84 items\)](#)
- [United States should negotiate with Iran \(38 items\)](#)
- [Coalition troops should pull out \(190 items\)](#)
- [Iraq should be split up \(30 items\)](#)

Full listing

Click on position names to view quotes from each listed item.

[Iraqi government should crack down on Shiite militias](#)

For

- [Don't prejudge the surge by Jack Kelly \(*Pittsburgh Post-Gazette*, 2007-01-28\) \(view\)](#)
- [A Plausible Plan B by Charles Krauthammer \(*The Washington Post*, 2007-01-19\) \(view\)](#)
- [The Leadership Gap by The Times editorial board \(*The Times*, 2007-01-18\) \(view\)](#)
- [Bush's Last Stand: Is president's new Iraq strategy too little, too late? by The Dallas Morning News editorial board \(*The Dallas Morning News*, 2007-01-18\) \(view\)](#)
- [Pressure Iraqis by Orlando Sentinel editorial board \(*Orlando Sentinel*, 2007-01-11\) \(view\)](#)
- [Squeezing Baghdad by Chicago Tribune editorial board \(*Chicago Tribune*, 2007-01-11\) \(view\)](#)

Against

- [Of Course the Iranians Are Adding Fuel to the Shiite Militias by Trey Ellis \(*The Huffington Post*, 2007-02-11\) \(view\)](#)
- [There is no military solution for Iraq, only a political one by Jonathan Steele \(*The Guardian*, 2007-01-12\) \(view\)](#)

Next steps

Increasing expressivity

- N-ary relations
 - “Ronald Reagan was US president from 1980 to 1988”
- Concepts
 - Think saved queries
 - Think Concept Description in Description Logics
 - ISWC-Paper = Papers accepted by a conference in the ISWC series
- Constraints
 - Class disjointness, number constraints, domain, ranges



Enrico Motta

navigation

- [Main Page](#)
- [Recent changes](#)
- [Random page](#)
- [Sandbox](#)
- [Today](#)
- [Todo](#)

ontology

- [Instances](#)
- [Categories](#)
- [Relations](#)
- [Attributes](#)
- [Semantic Search](#)

search

[Go](#)[Search](#)

toolbox

- [What links here](#)
- [Random page](#)

Enrico Motta Nationality [Italy](#). Enrico Motta affiliation [Open University](#).
Enrico Motta wife of **Enrico Motta**.

Warning! There is a inconsistency in the wiki knowledgebase. This can be either due inconsistencies within the wiki, or due to statements that violate the constraints given in the background ontology.

Relations to other articles — Click +🔍 to find similar articles.

Enrico Motta Nationality [Italy](#) +🔍

Enrico Motta Affiliation [Open University](#) +🔍

Enrico Motta Wife of **Enrico Motta** +🔍

[Editing help on relations and attributes](#)

[View as RDF](#) 🔍

Categories: [Man](#) | [PhD](#)

Mockup screen

Simpler User Interface

- WYSIWYG Interface for MediaWiki? WYSIWYG for semantics?
- Auto-completion
- Guided editing
- Form based editing
- API for writing

Navigation

- Main Page
- About
- Help
- Main categories
- Topics
- Sources
- Authors
- All items
- Recent items
- Recent changes
- Semantic search
- Analysis

Contribute

- Add an item
- Add an author
- Add a source
- Add a topic
- How to add content

Search

Toolbox

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link

Add item

To add an item to the site:

- Fill out the fields in the form below. The fields in the "Opinion" section are optional.
- Hit "Preview".
- This will take you to the main "preview" page, which shows you how the item will appear on the site. Make sure that it looks alright; you can change any of the fields on that page, by editing the template that appears below the preview.
- When you want to save the item, scroll down to the bottom of that screen and hit "Save page".

Title:

Author:

Source:

Date: May 2007

URL:

Quote (quotation marks will be automatically appended):

Opinion 1 (this is an optional field):

Topic:

Position: Iranian nuclear crisis

For Illegal immigration to the United States

Israel-Palestine

Opinion 2 (this is an optional field):

Topic:

Position:

For Against Mixed

NLP and Semantic Wikipedia

- Suggestion / learning of relationships
 - Based on patterns
 - Statistical
 - Background knowledge
- Active learning / Semi-automatic
- Good playground for evaluations



Welcome!

This is the SMW Research Wiki. It is actually a copy of the English Wikipedia[1] on which we are doing experiments with Semantic MediaWiki. Our research is about adding semantics to wikis. This will allow people to make better use of the wiki's context through sharing, searching and automatically processing wiki content while maintaining the ease of use of wikis (learn more).

The initial experiments are over. But you can still play around with the system. We set up this wiki to learn semantics automatically (learn more). The system reads the wiki textual content and finds out important facts to store them in a semantically valuable manner. Now, it wouldn't be a wiki if the users didn't have all the power of the system. So, we make the system **ask you a couple of questions on the bottom of each page**. Please answer them, and see what happens: As you answer the question, the result will be stored as a semantic annotation in article and pops up in the page. At the same time, your answer is fed back into the learning system and helps improving its future output.

If you like, take your time and answer a bunch of these questions. You can check the facts using the links provided or any other source. If you feel like answering questions at a time, check out [this page](#).

Many thanks,

Markus Krötzsch

Sebastian Blohm

Please help improve SMW Research Wiki

Was John Ponsonby born in the year 1713?

yes no don't know

Question asked by: Pronto | Comments?

Was John Cairncross born in the year 1913?

yes no don't know

Question asked by: Pronto | Comments?

Was John Ewasew born in the year 1922?

yes no don't know

Question asked by: Pronto | Comments?

Is Renault 6 a product or brand of Renault?

yes no don't know

Question asked by: Pronto | Comments?

Is Steven Curtis Chapman an album or song interpreted, written or covered by Real Life Conversations?

yes no don't know

Question asked by: Pronto | Comments?

navigation

- [Main Page](#)
- [Community Portal](#)
- [Featured articles](#)
- [Current events](#)
- [Recent changes](#)
- [Random article](#)
- [Help](#)
- [Contact Wikipedia](#)
- [Donations](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)
- [Cite this article](#)

- Very flexible system for creating data
- “Soft” introduction
 - People often scared about Semantic Web
 - You can still use it as a standard wiki
 - Immediate benefit
- “The simplest database that could work”
- Data is there – play with it!

Administrativa

- Wir bieten an: Diplom- und Studienarbeiten in den Bereichen der Vorlesung
 - Forschung auf Spitzenniveau
 - Potenziell weite Sichtbarkeit
- Hiwi-Stellen
 - ISWC 2008 in Karlsruhe! Wir brauchen Hilfe!
 - SMW: Entwicklung / Pflege von Portalen und Software
- Seminar Collective Intelligence

Ausblick

- Montag: Fragestunde
- Mittwoch: Gastvortrag von Wolf Winkler, ontoprise
- Prüfungen: Mündlich
- Folien und Bilder von Enrico Motta, Tom Heath, Markus Krötzsch, Max Völkel, Anupriya Ankolekar, und anderen