DBpedia

Nucleus for a Web of Open Data

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Wikipedia

- 2M+ English articles
- 160k people
- 70k places
- 35k music albums
- 12k movies
- 250+ languages
Extracting structured information from Wikipedia
Leipzig is a city in the federal state of Saxony, Germany. It is situated at the confluence of the rivers Pleiße, White Elster and Partnica. Leipzig is known for its university and its trade fair. Germany's first labour party was formed in the city.

Leipzig's name is derived from the Slavic word Lępsk (an old settlement where the linden trees (US: lime trees in UK) stand).
URIs in DBpedia

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

http://dbpedia.org/resource/Leipzig

Leipzig is, with a population of over 506,000, the largest city in the federal state of Saxony, Germany.
A repository of SemWeb/RDF identifiers

http://dbpedia.org/resource/Leipzig

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... in a Web browser

... in an RDF application
URIs in DBpedia

1. URIs as names
2. HTTP URIs
3. URIs provide HTML and RDF information
4. Information includes links to URIs of related things

Linked Data!
SPARQL Access

```
SELECT ?object ?parallax
WHERE {
  ?object skos:subject category:Delta_Scuti_variables .
  ?object skos:subject category:Bayer_objects .
}
```

<table>
<thead>
<tr>
<th>?object</th>
<th>?parallax</th>
</tr>
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<tbody>
<tr>
<td><a href="http://dbpedia.org/resource/Vega">http://dbpedia.org/resource/Vega</a></td>
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<http://sws.geonames.org/2879139>  
owl:sameAs <http://dbpedia.org/resource/Leipzig>.

<http://zitgist.com/music/artist/b10bbbfccf9e-42e0-be17-e2c3e1d2600d>  
owl:sameAs <http://dbpedia.org/resource/The_Beatles>.

<http://www.w3.org/People/Berners-Lee/card#i>  
Summary

- structured information from Wikipedia
- repository of SemWeb identifiers
  - http://dbpedia.org/resource/Leipzig
- available via SPARQL and Linked Data
- interlinked with other datasets
  - Linking Open Data project
Thank you!

http://dbpedia.org/