



loomp – Web 3.0 Content Authoring

Linked Data Authoring for Non-Experts

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AG Corporate Semantic Web

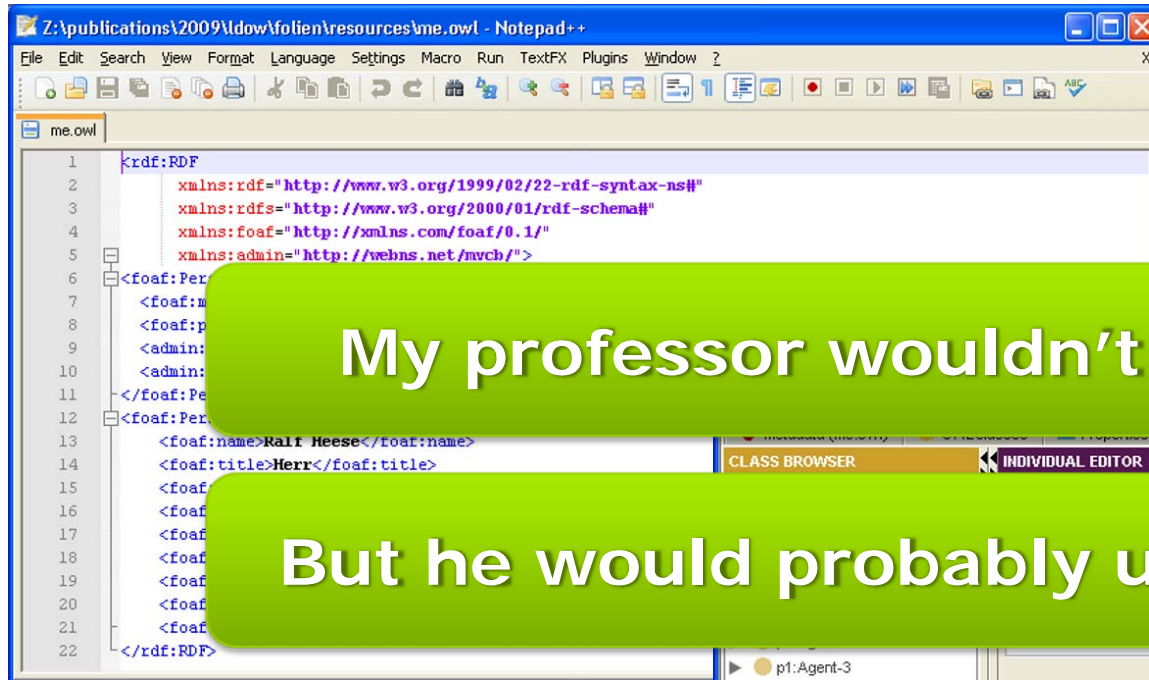
Freie Universität Berlin



AG Corporate Semantic Web
Freie Universität Berlin
<http://www.corporate-semantic-web.de>



How do you create linked data?

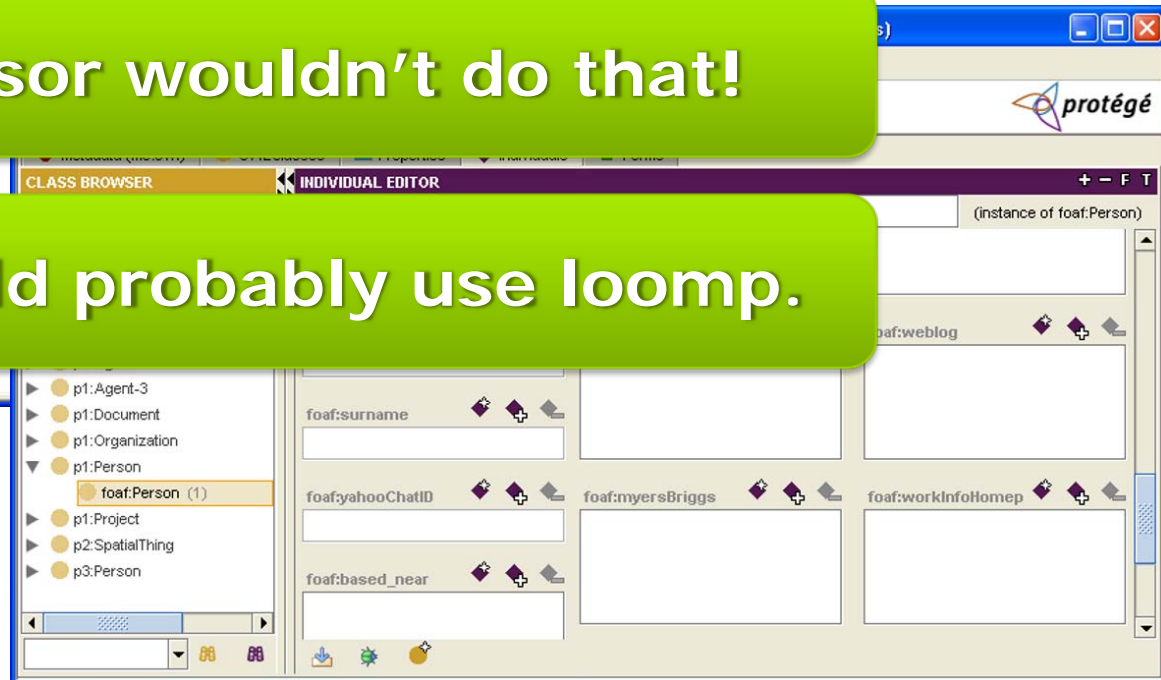


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2   xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
3   xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
4   xmlns:foaf="http://xmlns.com/foaf/0.1/"
5   xmlns:admin="http://webns.net/mvch/"
6 <foaf:Person
7   <foaf:name>Ralf Heese</foaf:name>
8   <foaf:title>Herr</foaf:title>
9   <admin:
10  <admin:
11 </foaf:Person>
12 </foaf:Person>
13 <foaf:name>Ralf Heese</foaf:name>
14 <foaf:title>Herr</foaf:title>
15 <foaf:
16 <foaf:
17 <foaf:
18 <foaf:
19 <foaf:
20 <foaf:
21 <foaf:
22 </rdf:RDF>
```

text editor

My professor wouldn't do that!

But he would probably use loomp.

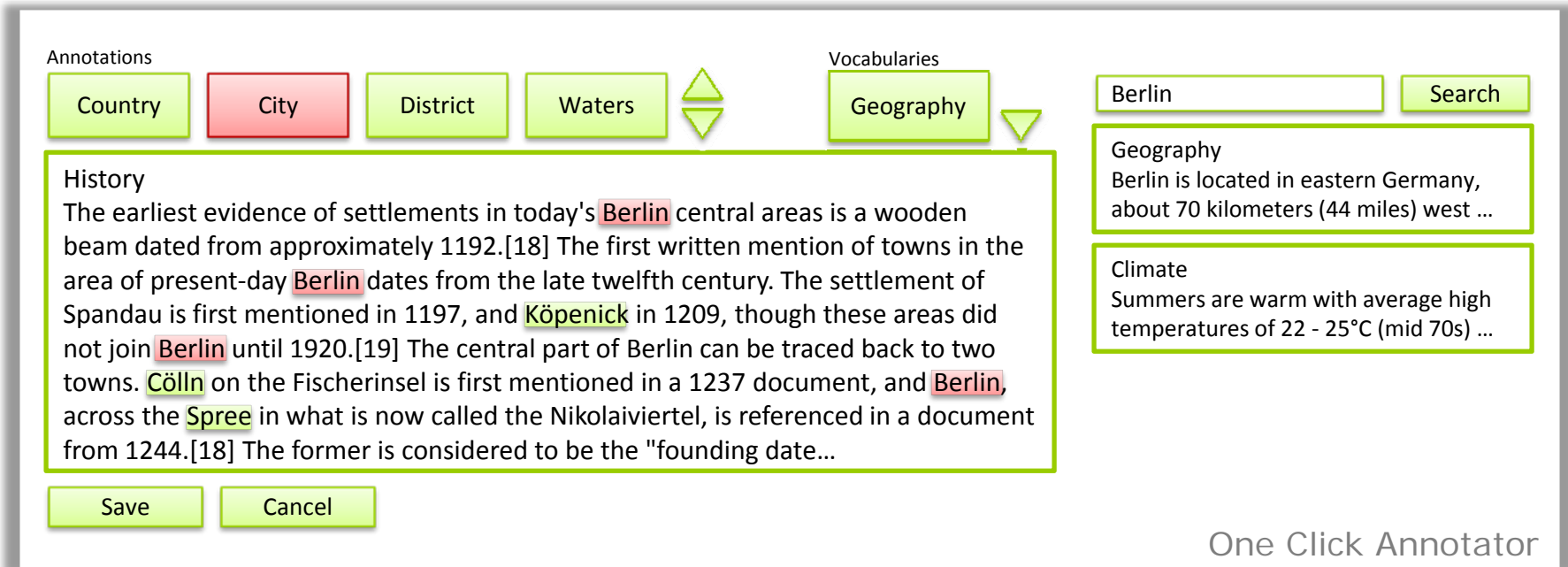


ontology editor

- Our vision
- Technology behind loomp
- What you can try now and “tomorrow”



- Create semantically enhanced content ...
 - as easy as to format phrases italic,
 - without knowing about semantic technologies,
 - with the support of automatically generated annotations.



The screenshot displays the 'One Click Annotator' interface. At the top, there are two sections: 'Annotations' and 'Vocabularies'. Under 'Annotations', there are buttons for 'Country', 'City', 'District', and 'Waters'. The 'City' button is highlighted in red. Under 'Vocabularies', there is a button for 'Geography'. Below these buttons is a large text area containing a paragraph of text about Berlin. The text is annotated with colored boxes: 'Berlin' is highlighted in red, 'Köpenick' in green, 'Cölln' in green, 'Spree' in green, and 'Berlin' in red. Below the text area are 'Save' and 'Cancel' buttons. To the right of the text area, there is a search bar with 'Berlin' entered and a 'Search' button. Below the search bar, there are two boxes: 'Geography' (containing 'Berlin is located in eastern Germany, about 70 kilometers (44 miles) west ...') and 'Climate' (containing 'Summers are warm with average high temperatures of 22 - 25°C (mid 70s) ...').

Annotations: Country, City, District, Waters

Vocabularies: Geography

History
The earliest evidence of settlements in today's **Berlin** central areas is a wooden beam dated from approximately 1192.[18] The first written mention of towns in the area of present-day **Berlin** dates from the late twelfth century. The settlement of Spandau is first mentioned in 1197, and **Köpenick** in 1209, though these areas did not join **Berlin** until 1920.[19] The central part of Berlin can be traced back to two towns. **Cölln** on the Fischerinsel is first mentioned in a 1237 document, and **Berlin**, across the **Spree** in what is now called the Nikolaiviertel, is referenced in a document from 1244.[18] The former is considered to be the "founding date..."

Save Cancel

Berlin Search

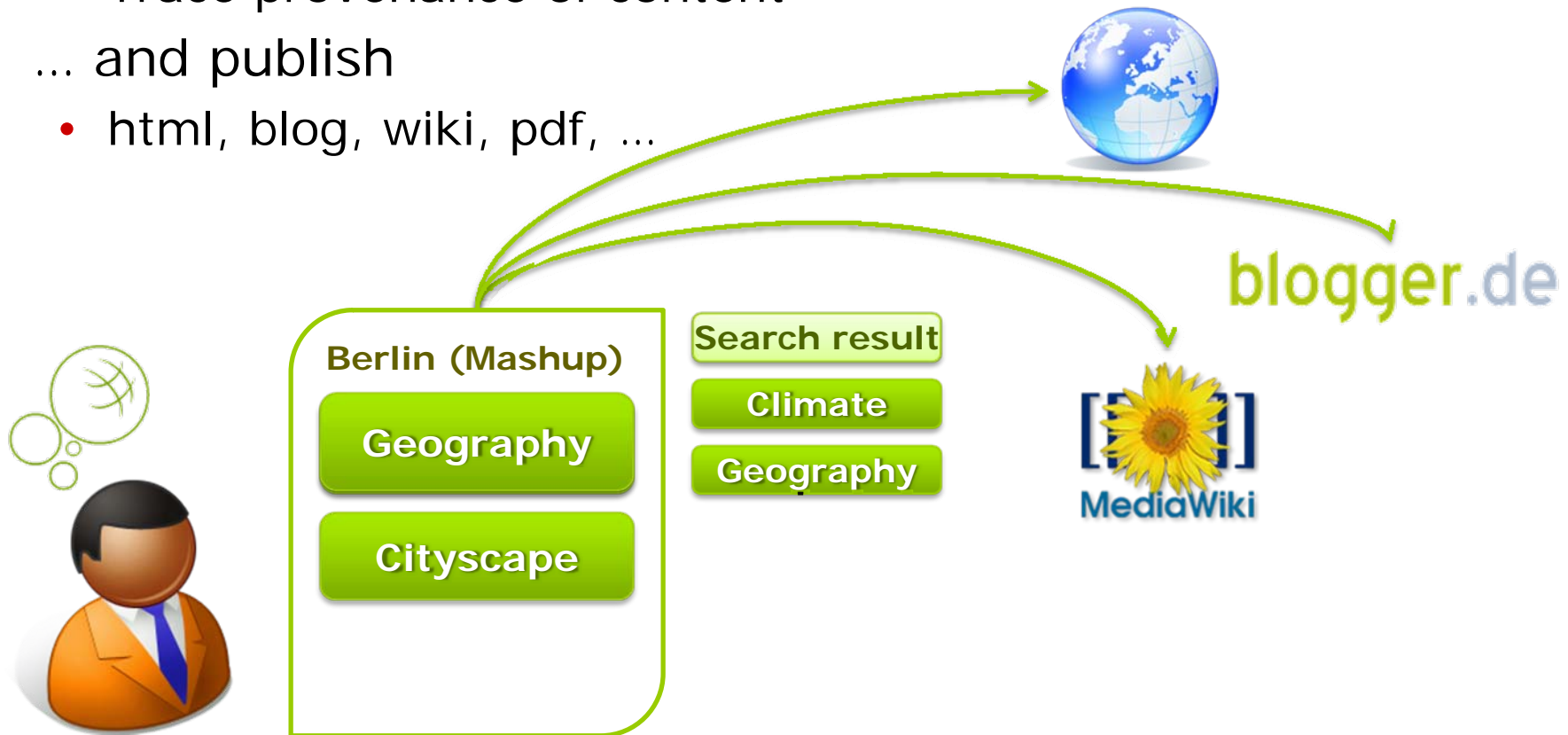
Geography
Berlin is located in eastern Germany, about 70 kilometers (44 miles) west ...

Climate
Summers are warm with average high temperatures of 22 - 25°C (mid 70s) ...

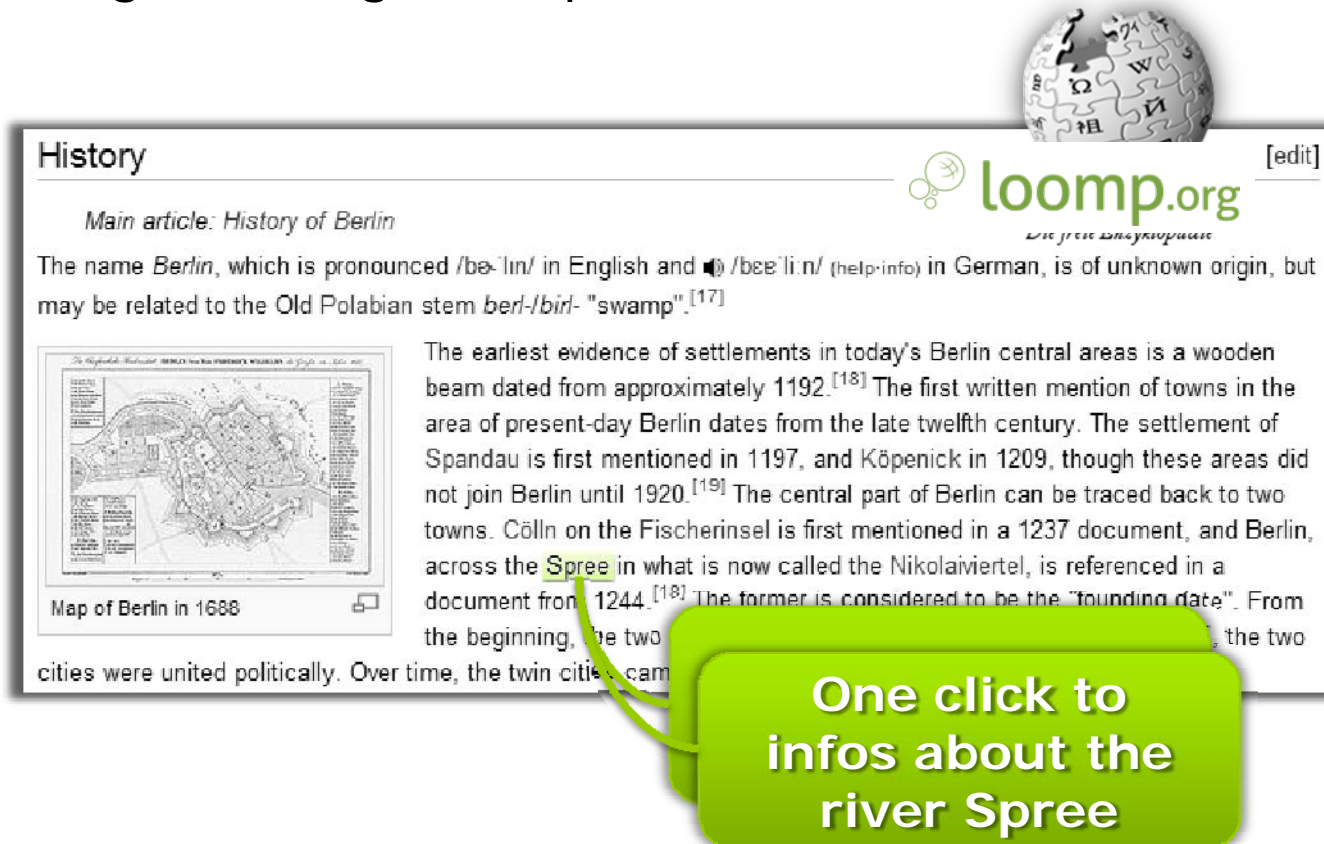
One Click Annotator

Quelle: <http://en.wikipedia.org/wiki/Berlin>

- Compile content ...
 - Search, drag & drop
 - Trace provenance of content
- ... and publish
 - html, blog, wiki, pdf, ...



- support the reader
 - highlight the relevant information
 - navigate along concepts



History [edit]

Main article: History of Berlin

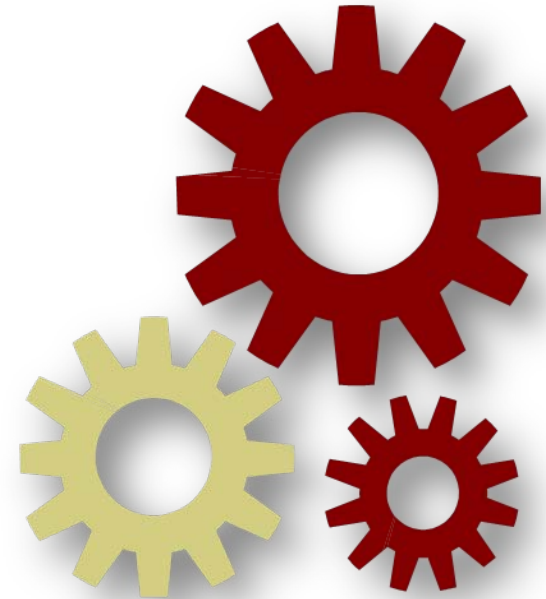
The name *Berlin*, which is pronounced /bəˈlɪn/ in English and /bɛʁˈliːn/ (help·info) in German, is of unknown origin, but may be related to the Old Polabian stem *berl-/birl-* "swamp".^[17]

The earliest evidence of settlements in today's Berlin central areas is a wooden beam dated from approximately 1192.^[18] The first written mention of towns in the area of present-day Berlin dates from the late twelfth century. The settlement of Spandau is first mentioned in 1197, and Köpenick in 1209, though these areas did not join Berlin until 1920.^[19] The central part of Berlin can be traced back to two towns. Cölln on the Fischerinsel is first mentioned in a 1237 document, and Berlin, across the **Spree** in what is now called the Nikolaiviertel, is referenced in a document from 1244.^[18] The former is considered to be the "founding date". From the beginning, the two cities were united politically. Over time, the twin cities came

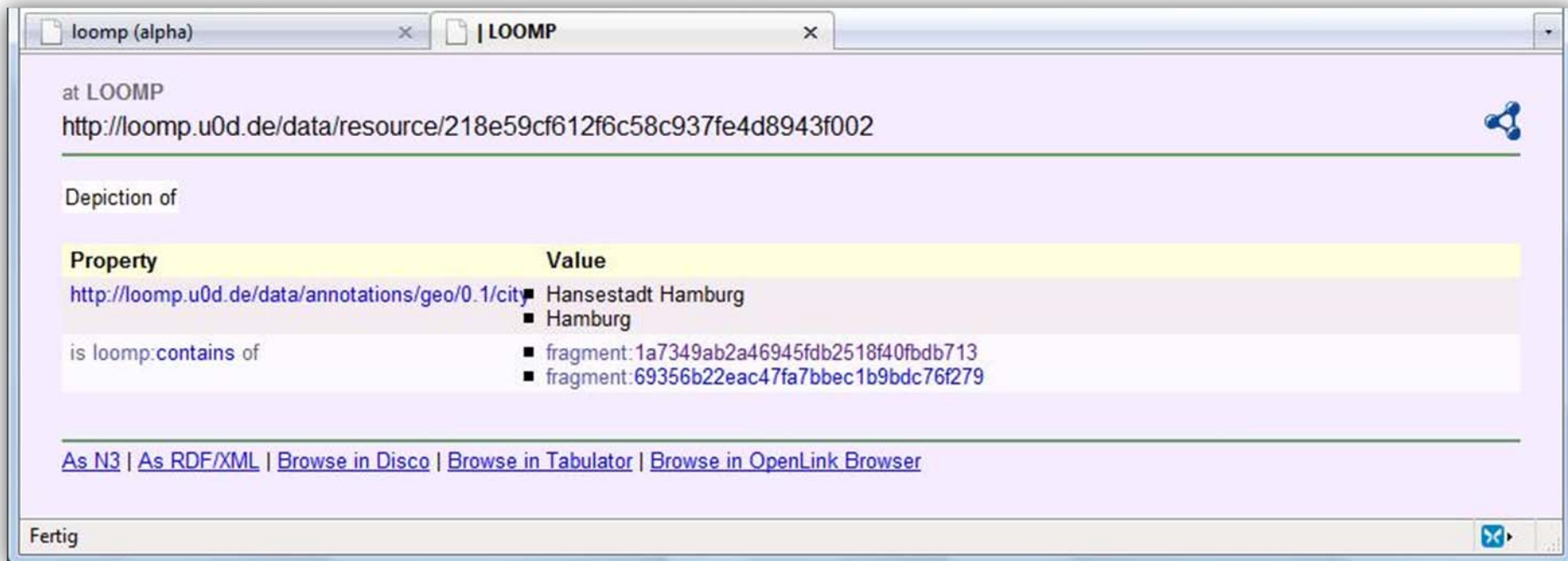
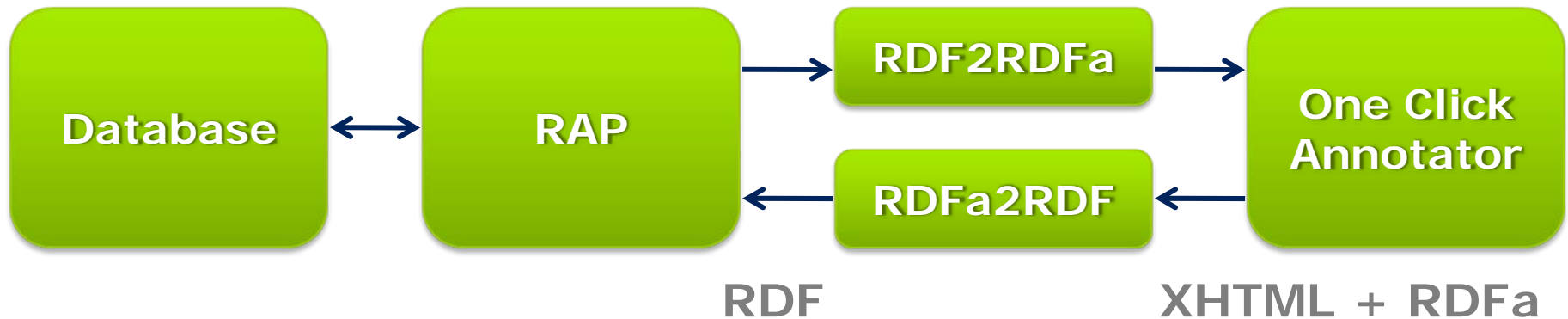
**One click to
infos about the
river Spree**

Quelle: <http://en.wikipedia.org/wiki/Berlin>

- Our vision
- Technology behind loopmp
- What you can try now and “tomorrow”



On top of standards



loomp (alpha) | LOOMP

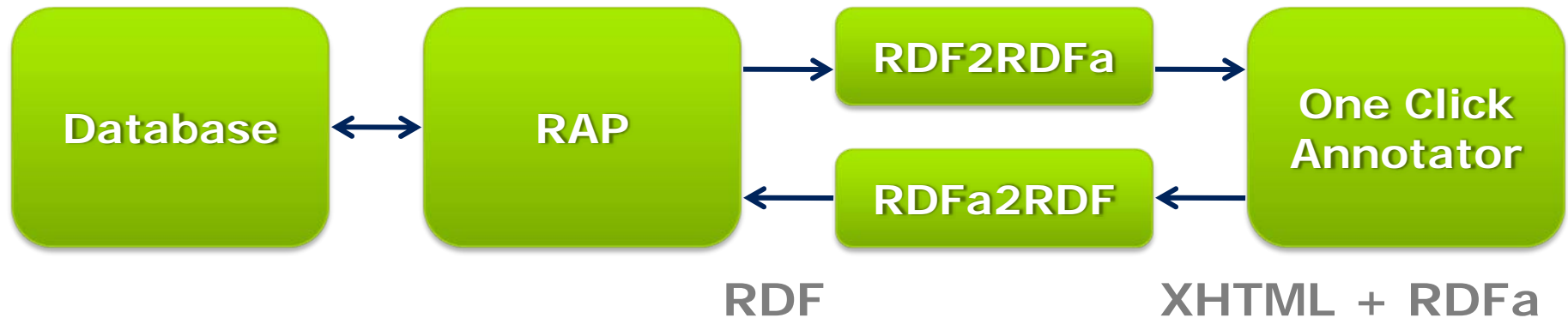
at LOOMP
<http://loomp.u0d.de/data/resource/218e59cf612f6c58c937fe4d8943f002>

Depiction of

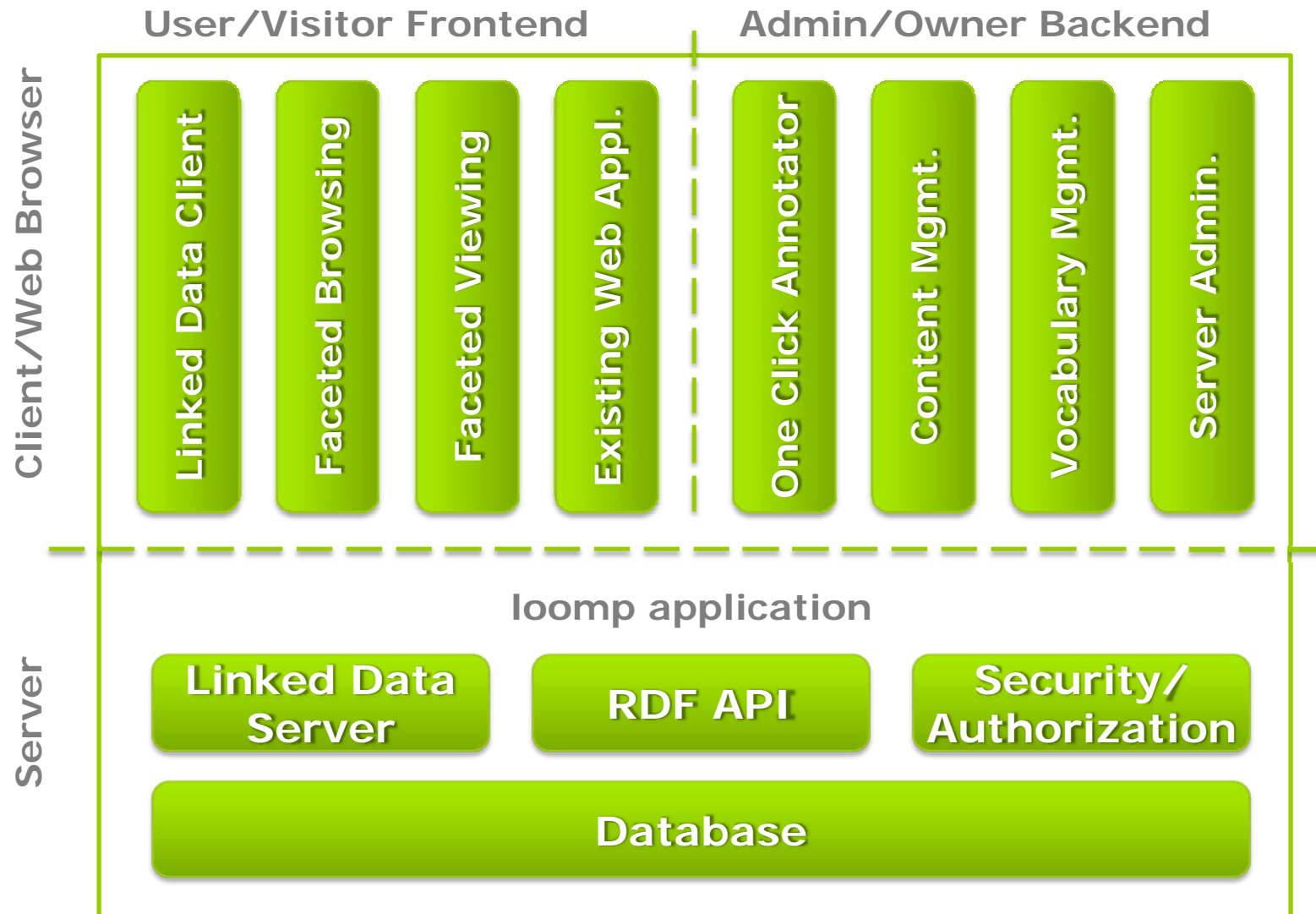
Property	Value
http://loomp.u0d.de/data/annotations/geo/0.1/city	<ul style="list-style-type: none">Hansestadt HamburgHamburg
is loomp:contains of	<ul style="list-style-type: none">fragment: 1a7349ab2a46945fdb2518f40fbd713fragment: 69356b22eac47fa7bbec1b9bdc76f279

[As N3](#) | [As RDF/XML](#) | [Browse in Disco](#) | [Browse in Tabulator](#) | [Browse in OpenLink Browser](#)

Fertig



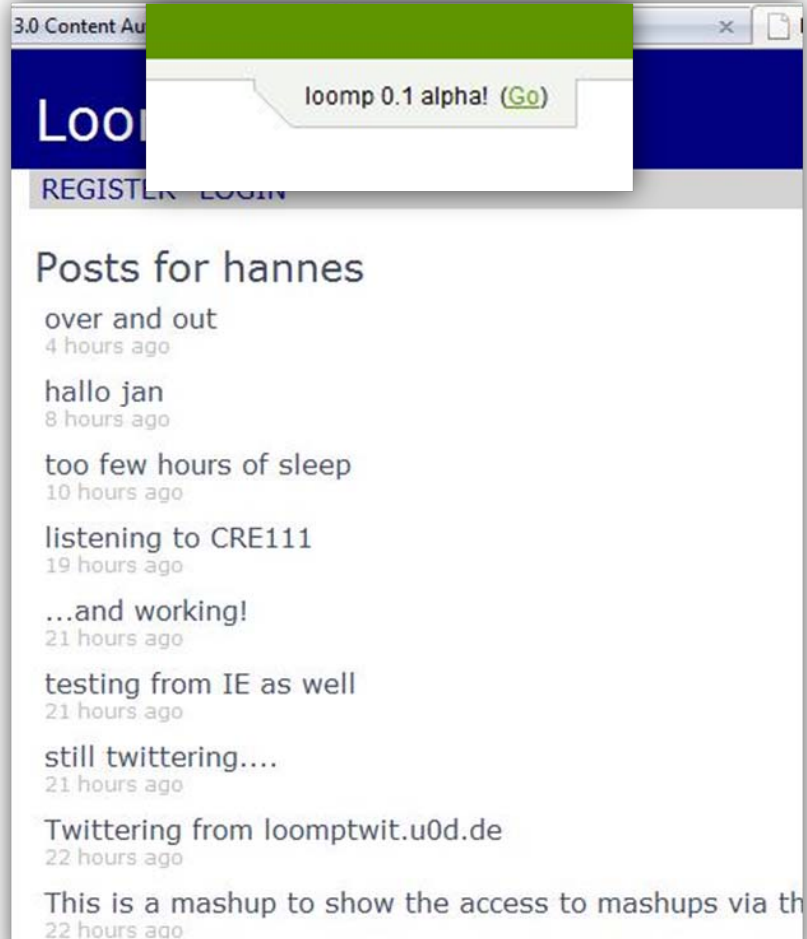
- LAMP environment
 - Unpack and use
 - Facilitate distribution of the loomp idea
 - Own your data
- Link content of different loomp instances using URLs



- Our vision
- Technology behind loopmp
- What you can try now and “tomorrow”



What you can try now ...

- Write texts and combine them by drag & drop
 - Semantically annotate phrases in texts
 - View mashups as
 - HTML
 - RSS feed
 - Highlight annotated phrases
 - “Twitter” content to loomp
 - Browse the RDF data
 - Give feedback on loomp :-)
- 
- A screenshot of the loomp 0.1 alpha! web application. The interface has a blue header with the 'Loomp' logo and navigation links for 'REGISTER' and 'LOGIN'. A green banner at the top displays 'loomp 0.1 alpha! (Go)'. The main content area, titled 'Posts for hannes', shows a list of tweets with timestamps: 'over and out' (4 hours ago), 'hallo jan' (8 hours ago), 'too few hours of sleep' (10 hours ago), 'listening to CRE111' (19 hours ago), '...and working!' (21 hours ago), 'testing from IE as well' (21 hours ago), 'still twittering....' (21 hours ago), 'Twittering from loomptwit.u0d.de' (22 hours ago), and 'This is a mashup to show the access to mashups via th' (22 hours ago).

... and “tomorrow”

- Run annotation recommender on your texts
- Add metadata to mashups and fragments
- Include images in fragments
- Navigate through concepts
- Mark content as private
- Choose from a larger set of vocabularies



Thank you!

**One information space,
many information networks!**

One click to meaningful data!

See information as you need it!

See what's going on:
<http://twitter.com/loomp>