

Building a Linked Data B2B app

<http://mhausenblas.info/#i>

Michael Hausenblas, DERI, NUI Galway

Course: Semantic Techniques and Applications, 10/2012

TUT Department of Mathematics and Hypermedia Laboratory

Beer2Beer

The beer preferences directory

Person

Name:

Provide the name of the person whose beer preferences you want to look up.

Look it up!

Favourite beers

Seems **Michael Hausenblas** prefers the following beers:

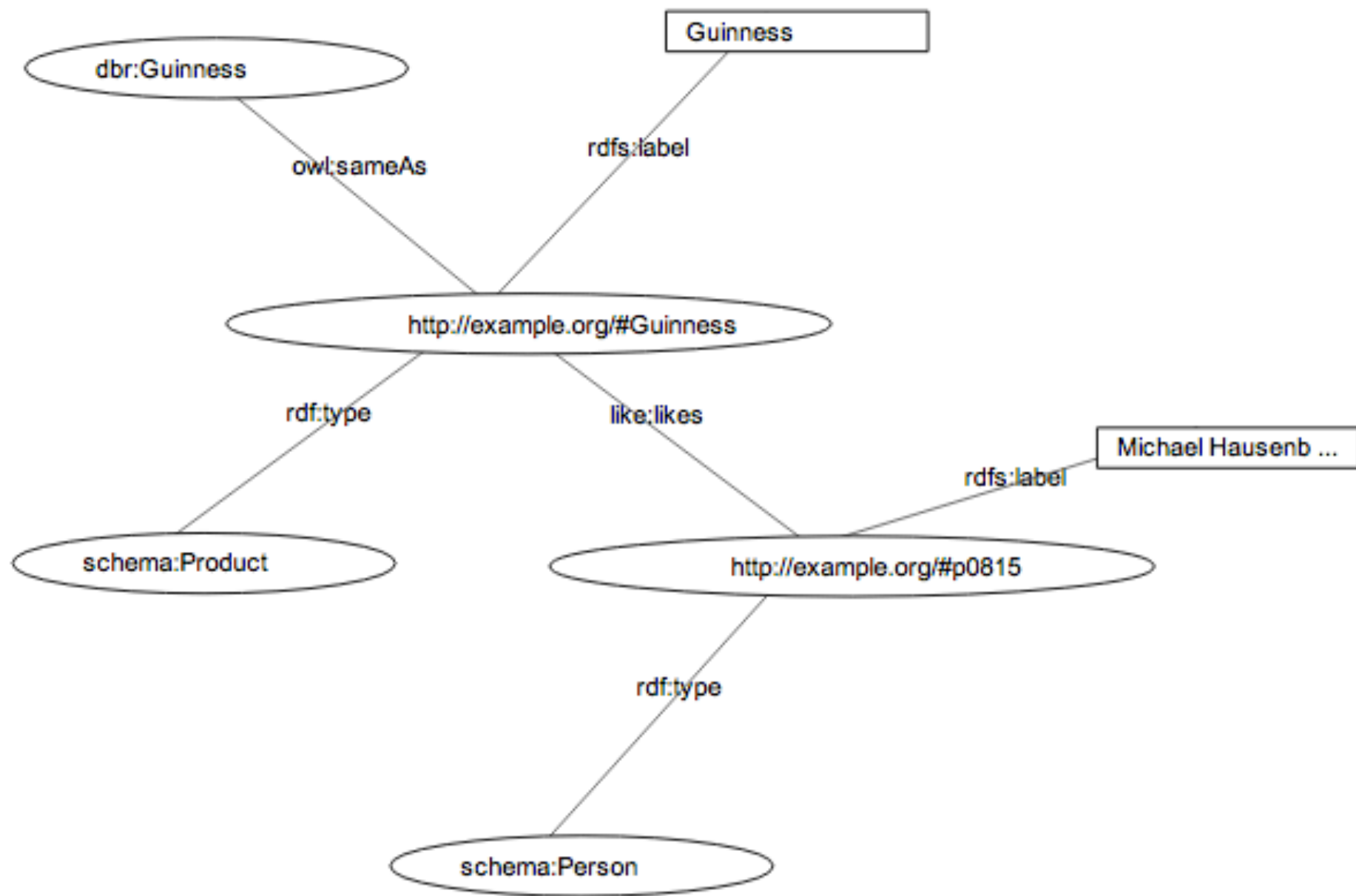
Guinness

Guinness is a popular Irish dry stout that originated in the brewery of Arthur Guinness (1725–1803) at St. James's Gate, Dublin. Guinness is one of the most successful beer brands worldwide. It is brewed in almost 60 countries and is available in over 100.[1] 850 million litres (1.5 billion imperial or 1.8 billion US pints) are sold annually.



How to get there ...

- Domain
- Data source
- Publishing flow
- Hands-on time!



```
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .  
@prefix owl: <http://www.w3.org/2002/07/owl#> .  
@prefix schema: <http://schema.org/> .  
@prefix like: <http://ontologi.es/like#> .  
@prefix : <http://example.org/#> .
```

```
:p0815 a schema:Person ;  
    rdfs:label "Michael Hausenblas" ;  
    like:likes :Guinness ;
```

.

```
:Guinness a schema:Product ;  
    rdfs:label "Guinness" ;  
    owl:sameAs <http://dbpedia.org/resource/Guinness> ;
```

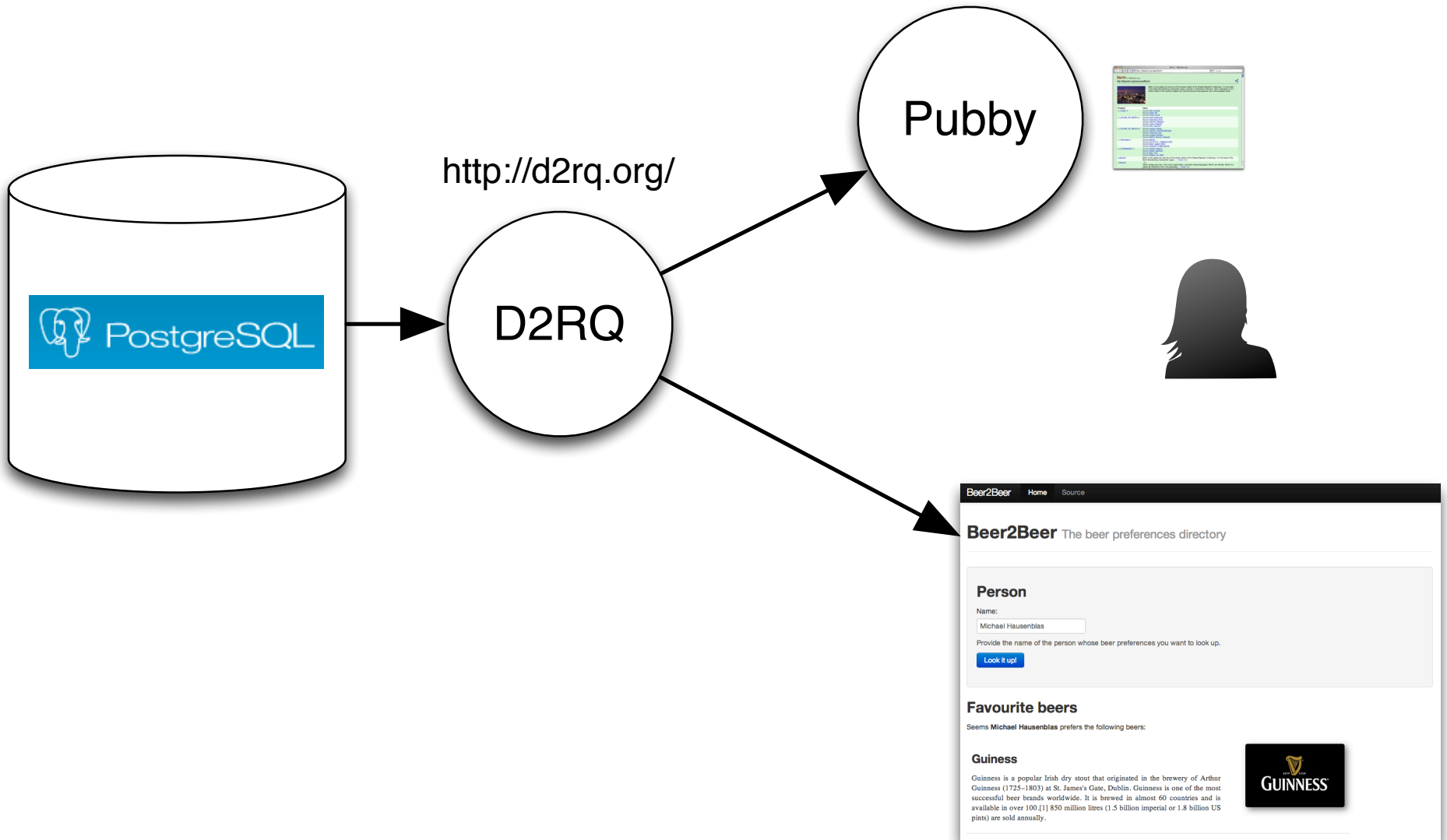
.

Datasource

- [PostgreSQL](#)
- Simple relational DB schema
 - Two content tables (person, beer)
 - One 1:m table to connect person to their favorite beers

Publishing flow

<http://github.com/cygri/pubby>



Hands-on time!

- Go to <http://dydra.com/mhausenblas/b2b/sparql> and play around
- Go to <http://turtled.net/> and play around
- *Optionally*: download all tools and develop backend by yourself ...
- ... see you on Thursday!