

Putting the pieces together as Linked Data



■ Chris Bizer, Freie Universität Berlin

- D2RQ, Named Graphs, DBpedia, Linking Open Data

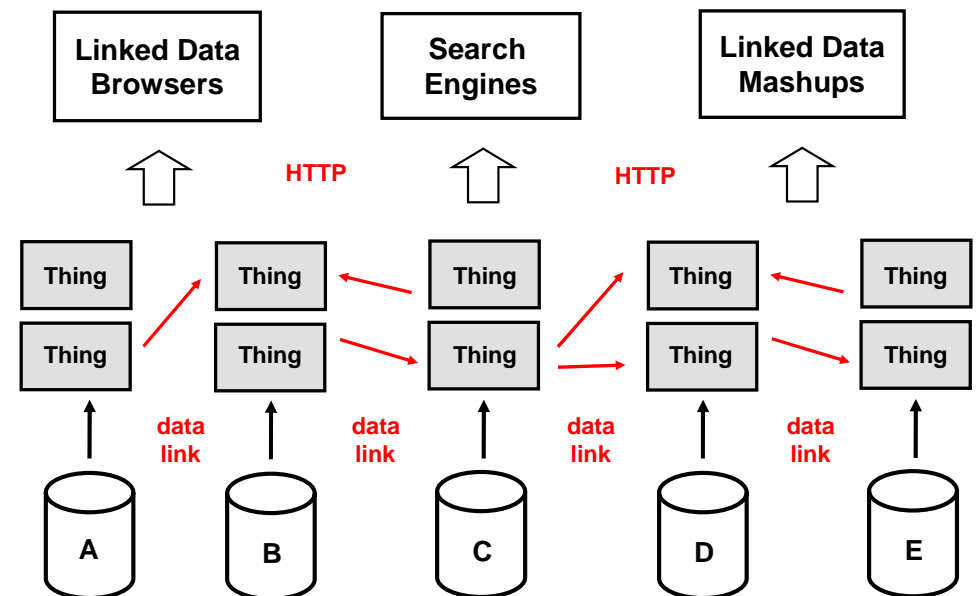
■ All the data we need is available on the Web.

- ProgrammableWeb.org: 914 WebAPIs

■ We just need to put the pieces together.

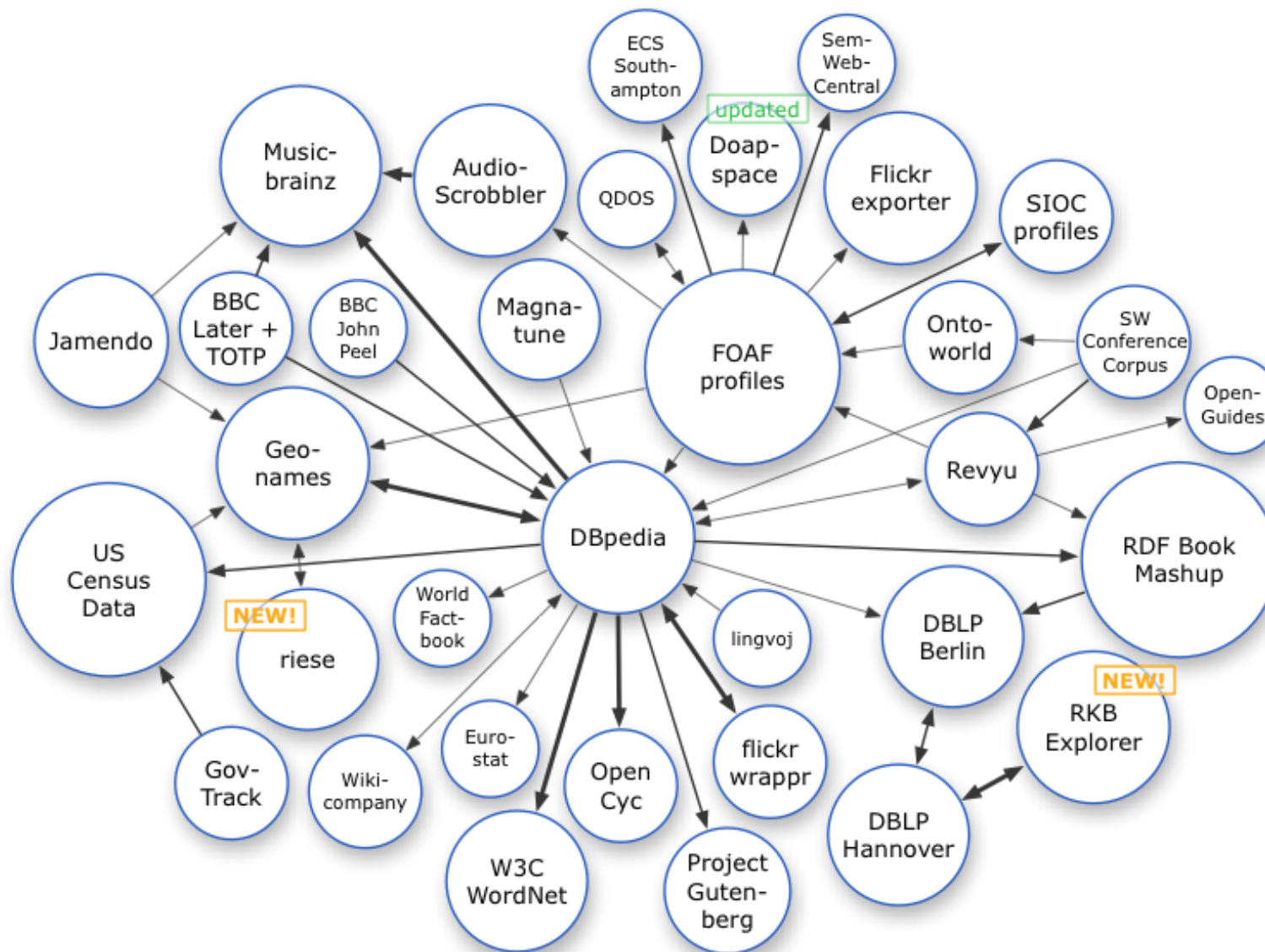
■ Linked Data could be a useful approach for doing so.

- Tim Berners-Lee, 2007
- publish structured data on the Web, using RDF and HTTP
- set data links between data from one data source to data within other data sources.

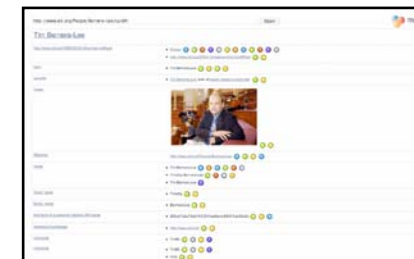


The LOD Community Effort

- publish existing datasets as Linked Data on the Web
- interlink things between different data sources
- more than 2 billion RDF triples published.



- **Data Browsers**
Tabulator, Marbles, ...



- **Data Web Search Engines**
Falcons, Sindice, ..



- **Data Web Mashups**
DBpedia Mobile, DERI Pipes



Agenda for the next year of LOD

1. Publish more datasets!

- Conversion of further open license datasets into RDF
- Wrappers around existing applications

2. More Interlinking

- Increase the amount of links between datasets
- Increase the quality of these links

3. Data Fusion

- Users want an integrated view on all data about an object available on the Web
- Well known but tough problems

4. Licensing

- proper licensing vocabularies for dedicating data to the public domain

5. Better Clients for the End-User

- We need real tools, not proof of concept prototypes!
- Yahoo Microsearch, Freebase Parallax

