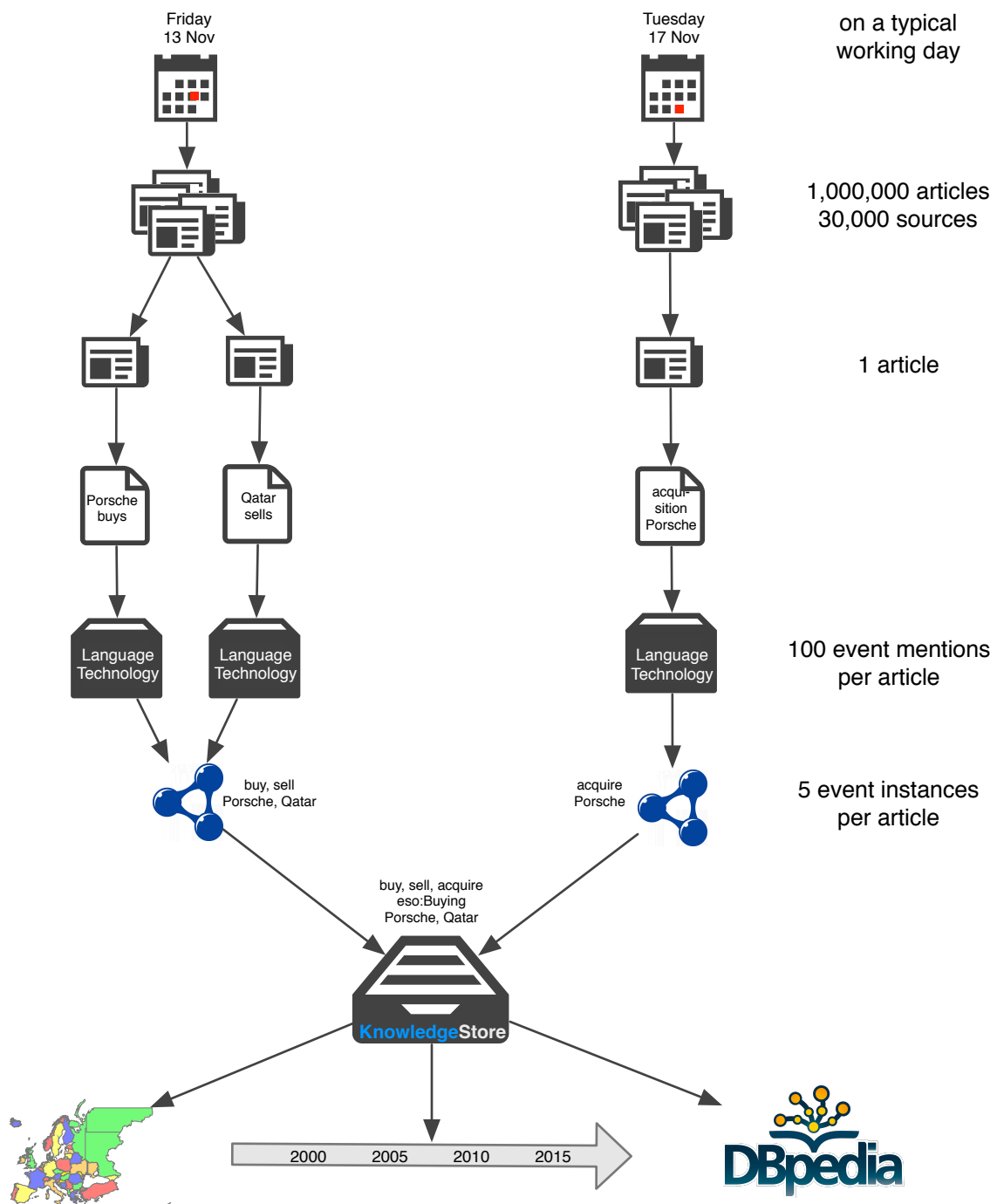


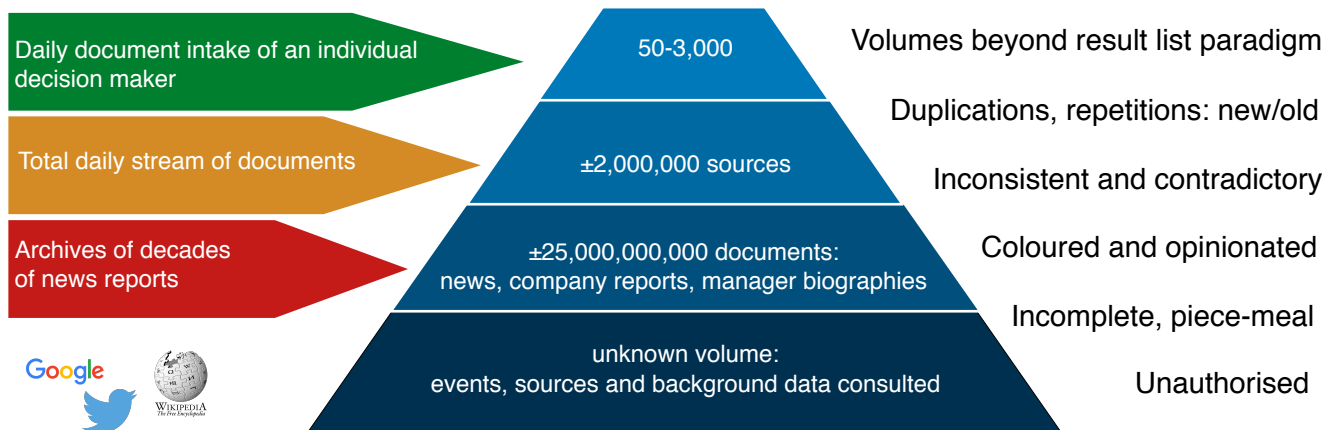
NewsReader

POST HOC ERGO PROPTER HOC

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Decision maker information overload



The NewsReader project develops software that can 'read' the news and condense it into a searchable semantic database.

NewsReader employs state-of-the-art Natural Language Processing and Semantic Web technology to extract who, what, where, and when from news articles in English, Spanish, Italian and Dutch and lifts the extracted information to a semantic level to interpret the news beyond the linguistic level.

Thusfar, **NewsReader** has processed millions of news articles detailing the impact of the financial crisis on the global automotive industry.

Developers and end-users have tested the **NewsReader** technology during 3 hackathons and evaluation events in both Amsterdam and London and started building prototypes on top of it.

Several **spin-off projects** have been started from the project, branching into fields such as criminal networks and government data.

Needles and haystacks



From Porsches to Pizza

An analysis of 1 million news articles on the global automotive industry gives us some interesting insights. For example, news stories between 2005 and 2009 reported that Porsche was buying an ever larger stake in Volkswagen, prompting speculations that Porsche would take over Volkswagen. However, in 2009 the tables turned and Volkswagen took a majority stake in Porsche. Eventually Volkswagen took over Porsche. The NewsReader system is able to discriminate between articles mentioning that Volkswagen was taking over Porsche and vice versa rather than simple co-occurrences that are generally found in aggregated news analysis systems. In the slipstream of this take-over, Wendelin Wiedeking, longtime Porsche senior executive, was fired from Porsche. In 2013 he opened the first of a chain of Italian restaurants. As we have a structured database in which similar events can easily be retrieved, it is a small effort to find out that Jürgen Schrempp, former CEO of DaimlerChrysler, also opened a restaurant after retiring from the car industry.



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The NewsReader system:

- Processes news in English, Spanish, Italian and Dutch;
- Keeps track of events as they are mentioned in the news;
- Completes event descriptions as new information comes in;
- Deduplicates information;
- Stores the factiveness of each event;
- Attributes the source and perspective of the mention.

NewsReader in Numbers:

- NewsReader has created 6 different datasets:
 1. Global automotive industry (2.3M articles, English);
 2. Wikinews (18K articles, English);
 3. Football World Cup (212K articles, English);
 4. MEANTime corpus (120 articles, manually annotated for English, Spanish, Italian & Dutch);
 5. Criminal Networks (934K articles, English);
 6. Financial System (560K articles, Dutch);
- NewsReader organised 3 hackathons in London and Amsterdam;
- NewsReader co-organised 25 scientific workshops
- Published 75 papers about the project.

About NewsReader:

- Six consortium partners in four different countries;
- Financed through the European Union's 7th Framework Programme under grant no. 316404
- January 2013 - December 2015.

All software is freely available from <http://www.newsreader-project.eu>