

CUBIST - Combining and Uniting Business Intelligence with Semantic Technologies

Constantly growing amounts of data and an emerging trend of incorporating unstructured data into analytics is bringing new challenges to Business Intelligence (BI). Contemporary BI solutions fall short in the following aspects: First, they focus only on structured data and disregard the increasing amount of information hidden in unstructured data. Secondly, BI users dealing with increasingly complex analyses, but the complexity of BI tools becomes the biggest barrier to their success.

CUBIST is a visionary approach that leverages Business Intelligence to a new level of precise, meaningful and user-friendly analytics of data. CUBIST copes with the above mentioned problems by following a best-of-breed approach that combines essential features of Semantic Technologies, Business Intelligence and Visual Analytics. CUBIST aims to

- support federation of data from unstructured and structured sources,
- persist the federated data in a semantic Data Warehouse; a hybrid approach based on a BI enabled triple store,
- and provide novel ways of applying visual analytics in which meaningful diagrammatic representations of the data will be used for depicting the data, navigating through the data and for visually querying the data.

The resulting technology stack will be demonstrated in three use cases from the fields of market intelligence, computational biology and control centre operations.

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CUBIST ran from October 1st 2010 to September 31th 2013. As entry points for the outcome, please refer

1. to the [list of deliverables](#)
2. to the [publication of the prototype as open source](#)