

## **The Semantic Desktop and NEPOMUK**

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### Abstract:

With today's operating systems it is possible to store a file to a folder, but not to a project or a contact person. The system and applications do not share concepts of persons or projects, nor are there means to share categorization schemes amongst applications. In the Semantic Web effort, the World Wide Web Consortium(W3C) has proposed standards for the management of metadata, the Resource Description Framework (RDF) and ontologies. This talk is about a radical merge of Semantic Web and Personal Computers resulting in the Semantic Desktop. Existing data sources are adapted to RDF, enabling integration across applications. Different projects aim at implementing the new paradigm, in the talk the open source frameworks published by the NEPOMUK project are presented.

### Short Bio:

Leo Sauermann finished his information science studies with the award-winning diploma thesis "gnowsis", merging Personal Information Management with Semantic Web technologies. He continues working on this topic at the German Research Center for Artificial Intelligence DFKI since 2004 with the NEPOMUK project. His research focus is on Semantic Web and its use in Knowledge Management. In practice he contributes to open source projects, was member of the W3C SWEO Interest Group, and has been invited to various events to presents these results to the public. Privately, the believing christian enjoys netculture and the digital