



Liquid Semantics in a Collaborative Research Environment

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Cooperations:

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- Research Library for the History of Education (BBF/DIPF)

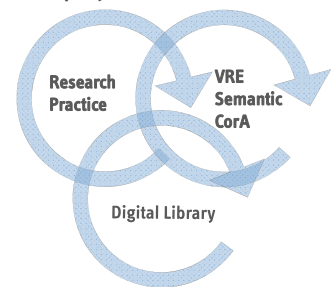


Abstract:

Semantic Collaborative Corpora Analysis (Semantic CorA) follows the idea of a lightweight virtual research environment (vre) providing a modular platform of tools for collaborative analysis of bigger amounts of data. Semantic CorA builds upon the open-source software MediaWiki - which empowers Wikipedia - and its extension Semantic MediaWiki (SMW). Tools are offered to integrate, enrich, store, query and visualize research data. Semantic CorA is motivated by the lack of research environment in the (digital) social sciences and humanities, that offer capacities for adjustment to relevant needs with low technical barriers. But the flexibility of adjusting comes with an affordance: Semantic CorA is not an out-of-the-box solution and needs to be configured to the research project needs.

Challenges:

- Enabling qualitative researchers to create, use, aggregate, and analyze research data in a semantic web (liquid semantics)
- Identify and realize interactional capacities between researchers, digital library and VRE



Design Approach:

- Aligned to research practices
- Participatory and agile design
- Community Building
- Starting point History of Education

Humanities Research Projects:

- Analyzing educational lexica (VFU-ELF)
- Analyzing school magazines (1950-1960)
- Archive of Empirical Pedagogy (transcripts of lessons, interviews ...)

Extensions:

- OfflineImportLexicon (public)
- SemanticImageAnnotator (public)
- SemanticWebBrowser (public)**
- SemanticTextAnnotator (public)
- Lexicaimport (OAI)

* The project „Förderung der Entwicklung einer Virtuellen Forschungsumgebung für die Historische Bildungsforschung mit Semantischer Wiki-Technologie – Semantic MediaWiki for Collaborative Corpora Analysis“ was founded by the DFG (LIS)

** Realized in cooperation Benedikt Kämpgen, Denny Vrandečić and Anna Kantorovitch.

*** "Minicons Free Vector Icons Pack" <http://www.webalys.com/minicons>