

**Cologne University of Applied Sciences**

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**From the Selected Works of Philipp Schaer**

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May, 2007

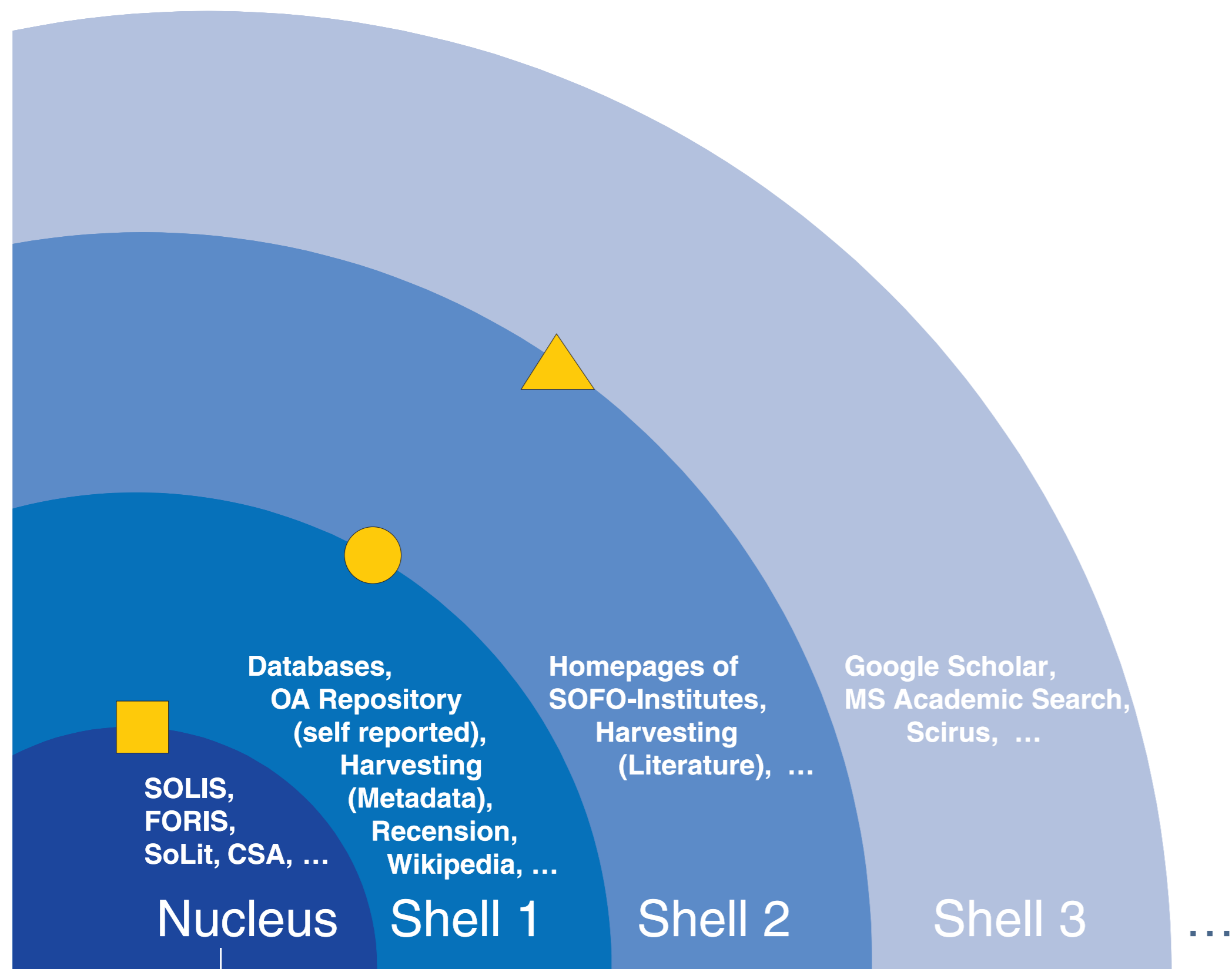
# Methodes and Services for Semantic Integration in Information Systems

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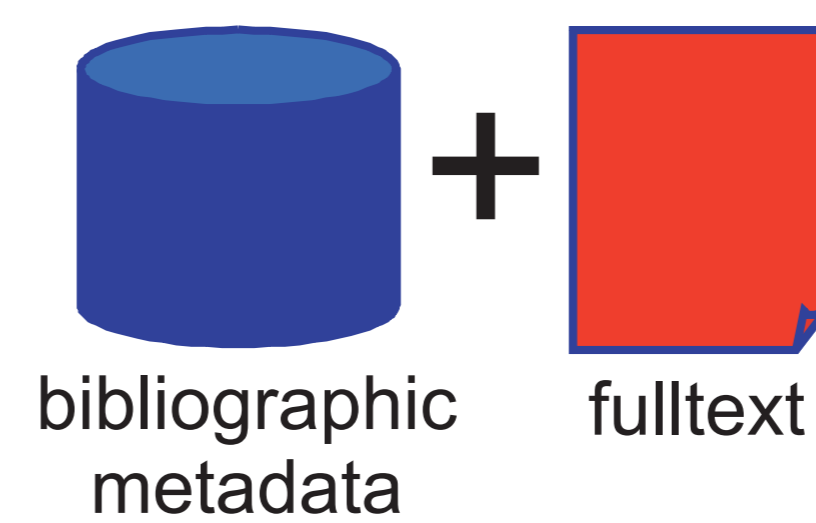
Available at: <https://works.bepress.com/schaer/1/>

# Methods and Services for Semantic Integration in Information Systems



## SSOAR

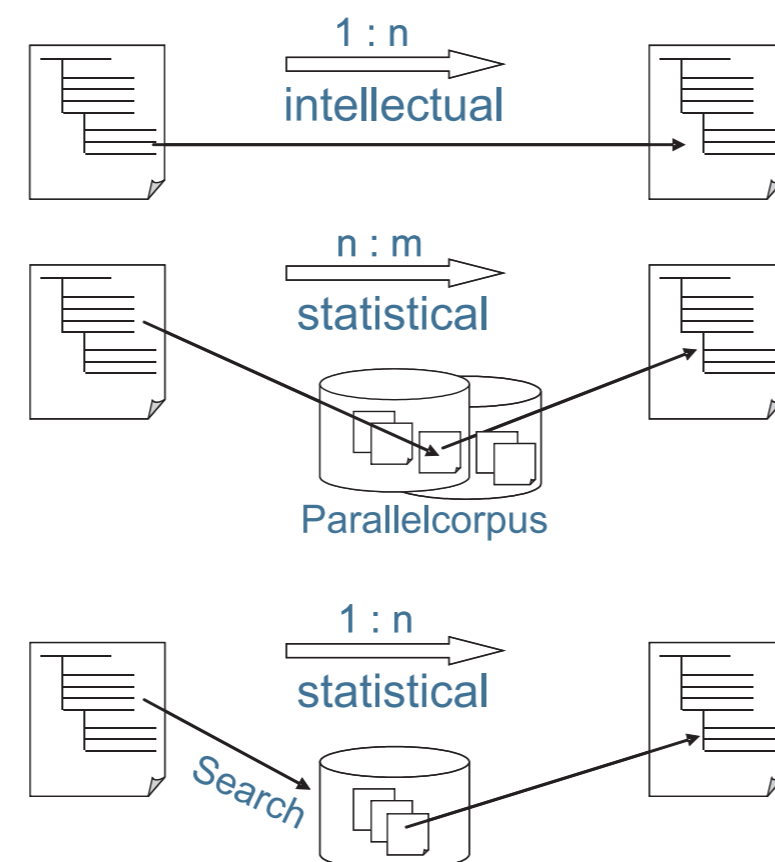
- Social Science Open Access Repository
- Integrating fulltext into traditional scientific information offerings
- New material is self-reported by authors
- "Green-Road"
- High quality through intellectual indexing
- Distributed quality management
- IZ employees
- Community supported



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## Elvira

- Text-Fact-Integration
- Adaptive User Interfaces
- Combination Indexing Vocabularies
- Nomenclatures
- Thesauri



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## KoMoHe

- Tech., Structural and Semantic Heterogeneity
- Evaluation of Cross-Concordances
- Visualizing Heterogeneity

Databases	Document types	Document languages
<input checked="" type="checkbox"/> Database 1 (DB1)	Monographs <input checked="" type="checkbox"/> DB1 <input checked="" type="checkbox"/> DB2 <input checked="" type="checkbox"/> DB3	English <input checked="" type="checkbox"/> DB1 <input checked="" type="checkbox"/> DB2 <input checked="" type="checkbox"/> DB3
<input checked="" type="checkbox"/> Database 2 (DB2)	Journal articles <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	French <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> Database 3 (DB3)	Gray literature <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	German <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Search terms	DB1	DB2	DB3
user interface	<input checked="" type="checkbox"/> 34	<input checked="" type="checkbox"/> 56	<input type="checkbox"/> 104
adaptivity	<input checked="" type="checkbox"/> 12	<input checked="" type="checkbox"/> 71	<input type="checkbox"/> 83
layout	<input type="checkbox"/> 46	<input type="checkbox"/> 127	<input type="checkbox"/> 0

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## FQS-Discussion-Component

- Integration of online discussion INTO the documents
- No break in media (document space vs. discussion space)
- Bridging of formal and informal communication
- General vs. section comments
- Visualization based on visual formalisms

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