Environment for Collaborative Annotation and Knowledge Creation

Presentation DH-CASE 2013

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The project in general and the Neogrammarians
The webportal as a collaborative environment
A demonstration of a full example
Future perspectives
Facts

- Triggered by the 600th anniversary of the University of Leipzig in 2009 as a substantial contribution
- Investigate the influence of the Leipzig school of Neogrammarians to the development of Romance linguistics
- As an interdisciplinary part the project created a web-portal for collaborative research, teaching and publication
- Participants were students of Romance Linguistics, a student of Information Systems and an external designer
Neogrammarians

- Core group of one of the many schools that developed in Leipzig
- Gave impulses for new theories through transgressing of existing boundaries
- Turn Leipzig into center of linguistic research at the end of 19th century
- Bring a fundamental change in linguistics

Karl Brugmann  Berthold Delbrück  Herrmann Paul  Herrmann Osthoff  Eduard Sievers  Wilhelm Braune
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  - TEI-XML encoded texts, original and self-composed
  - Represented as hypertext with tooltips of related information
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- Ontology
  - Knowledge base with linked terms about the neogrammarians
  - Allows flexible manipulation and has relations to Citations and Texts
The Webportal consists of four highly interlinked kinds of information:

1. **Texts**
   - TEI-XML encoded texts, original and self-composed
   - Represented as hypertext with tooltips of related information

2. **Ontology**
   - Knowledge base with linked terms about the neogrammarians
   - Allows flexible manipulation and has relations to Citations and Texts

3. **Citations**
   - Extracted parts of Sources
   - Relations to Ontology and Sources
Webportal

- Consists of four highly interlinked kinds of information
  - Texts
    - TEI-XML encoded texts, original and self-composed
    - Represented as hypertext with tool-tips of related information
  - Ontology
    - Knowledge base with linked terms about the Neogrammarians
    - Allows flexible manipulation and has relations to Citations and Texts
  - Citations
    - Extracted parts of Sources
    - Has relations to Ontology and Sources
  - Sources
    - More than 600 Sources of literature, pictures and historical documents
    - Categories and filters for research activities
Add a source
Add a citation
Extend the ontology
Add new knowledge
Link the knowledge to the citation
Integrate the knowledge into texts
Future Perspectives

- Tool can also be used for investigating other domains
- An additional Editor for TEI-XML texts
- An external available interface for access to the stored information
- An export of the ontology in a standardized format like OWL (Web Ontology language)
Thank you for your attention!