Environment for Collaborative Annotation and Knowledge Creation

Presentation DH-CASE 2013

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Agenda

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

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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

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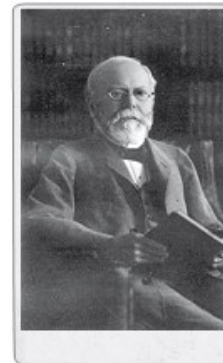Auszüge
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Neogrammarians

- 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

Von Leipzig in die Romania

Webportal

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- Consists of four highly interlinked kinds of information

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Rumänien

Frankreich

Italien

600 JAHRE
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Webportal

- Consists of four highly interlinked kinds of information
- Texts
    - TEI-XML encoded texts, original and self-composed
    - Represented as hypertext with tooltips of related information

Webportal

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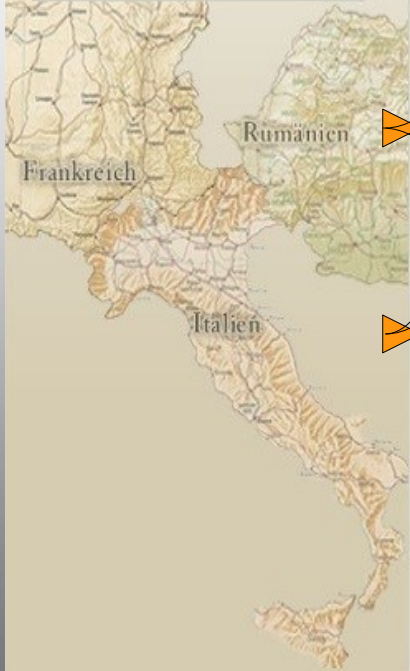
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  - Knowledge base with linked terms about the neogrammarians
  - Allows flexible manipulation and has relations to Citations and Texts

Webportal

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  - Extracted parts of Sources
  - Relations to Ontology and Sources

Webportal

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- 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

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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)

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Thank you
for your attention!