entity-fishing Service

Implementations on Publishing Platforms

HIRMEOS
High Integration of Research Monographs in the European Open Science infrastructure

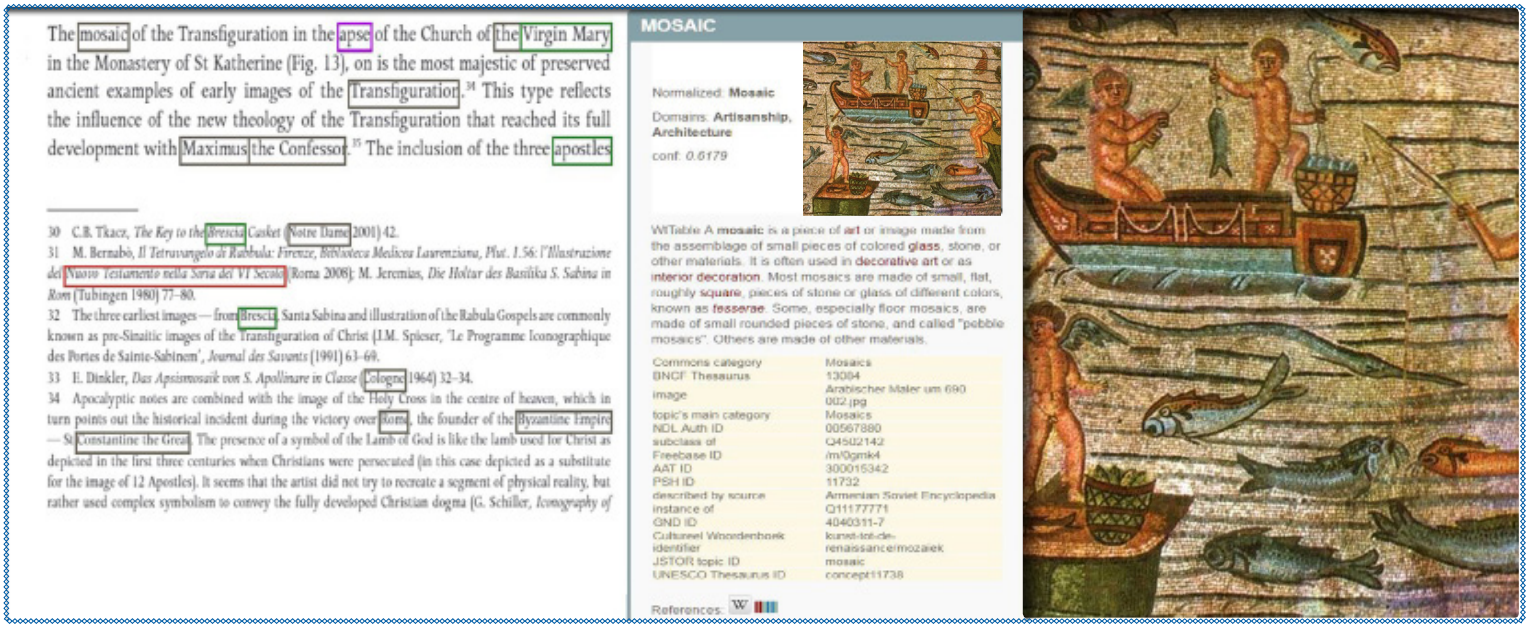
Named Entity Recognition and Disambiguation

Entity extraction and disambiguation is the task of determining the identity of entities mentioned in a text against a knowledge base. The identification and resolution of named-entities like person-name, location, etc. provides many practical applications, e.g. possibility to extract lists of people, to map different texts, to generate timelines and to provide an enhanced search. This is of great importance not only for research but also for the publishing process.

INRIA Entity-Fishing and its Advantages

Entity-fishing, the NERD implementation developed by INRIA, is a service available within the DARIAH-EU infrastructure and used by the HIRMEOS partners to enrich Open Access digital monographs published on five digital platforms.

- No requirement for expertise in knowledge engineering
- Multilingual support (currently it supports 5 languages: en, es, it, fr, de)
- Standard REST API



Typical Use Cases on Open Access Digital Platforms

HIRMEOS partners have tested the integration of the NERD API in the workflow of publishing platforms to enhance discoverbality and usage of enriched digital monographs.

- Enhancing the discoverability of monographs through facets linked with the concepts extracted
- Aggregation of extracted entities: e.g., word clouds helping to understand the trending topics, author topic evolution, co-authorship or collaboration evolution, etc.
- Classification or clustering to automatically generate collections
- Highlighting annotated entities with different colours and showing pop-up definitions

What can I do with Entity-Fishing?

- Entity extraction and resolution against Wikidata and Wikipedia in a raw text or partially-annotated text segment
- Entity extraction and resolution in a PDF as an overlay on the original text
- Disambiguation of a search query
- Access to the Wikidata metamodel containing more than 35m entities and 154m statements
- Interactive disambiguation in text

More Information

Do you want to know more about NERD services and the HIRMEOS implementations of the INRIA *entity-fishing*? Visit **www.hirmeos.eu** and subscribe to our newsletter.

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