LOD4HSS
Linked Open Data for the Humanities & Social Sciences

Geovistory, a LOD Research Infrastructure for Historical Sciences

geovistory.org

59th CIDOC CRM SIG Meeting - Plovdiv
26 September 2024

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Partners

LOD4HSS
Linked Open Data for the Humanities & Social Sciences

LARHRA
UMR 5190

UNIVERSITÄT BERN

KleioLab

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LOD as a new way of producing, sharing and reusing information

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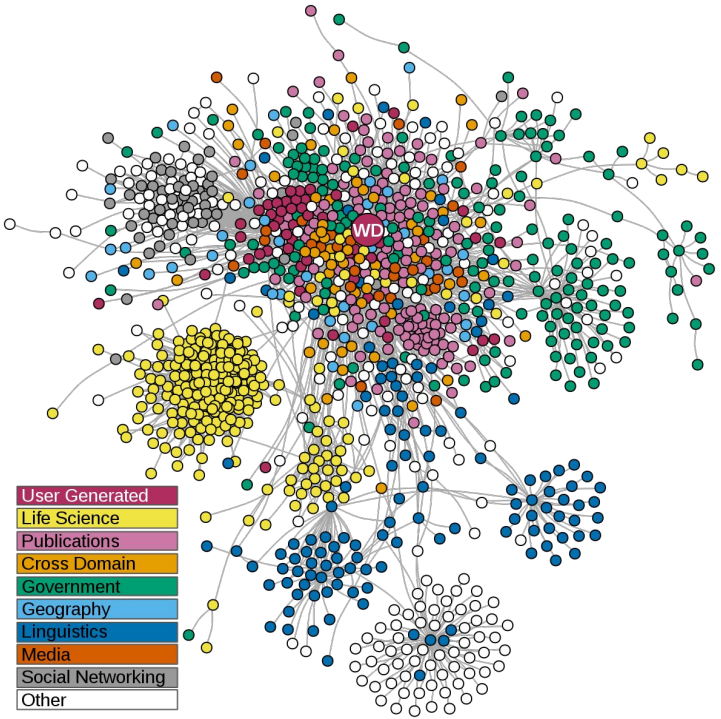
The goal of Linked Open Data is:

- Connect data across projects and domains, thus breaking information silos
- Allow an easy exchange and reuse of the information

In other words: **make data FAIR**.

This would change how scholars can produce knowledge.



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The challenges of interoperability

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Achieving interoperability hinges on two critical components:

- Unambiguous identification of real-world entities (e.g., persons, places, concepts)
  - With unique identifiers (URI)
  - With links between identical entities across different projects
- The utilization of explicit ontologies that can be aligned across projects.
  - However, mapping between ontologies may prove challenging, or even unfeasible, particularly when divergent structural frameworks are employed (e.g., an event-centric ontology may have limited compatibility with an object-centric one).

Geovistory Environment

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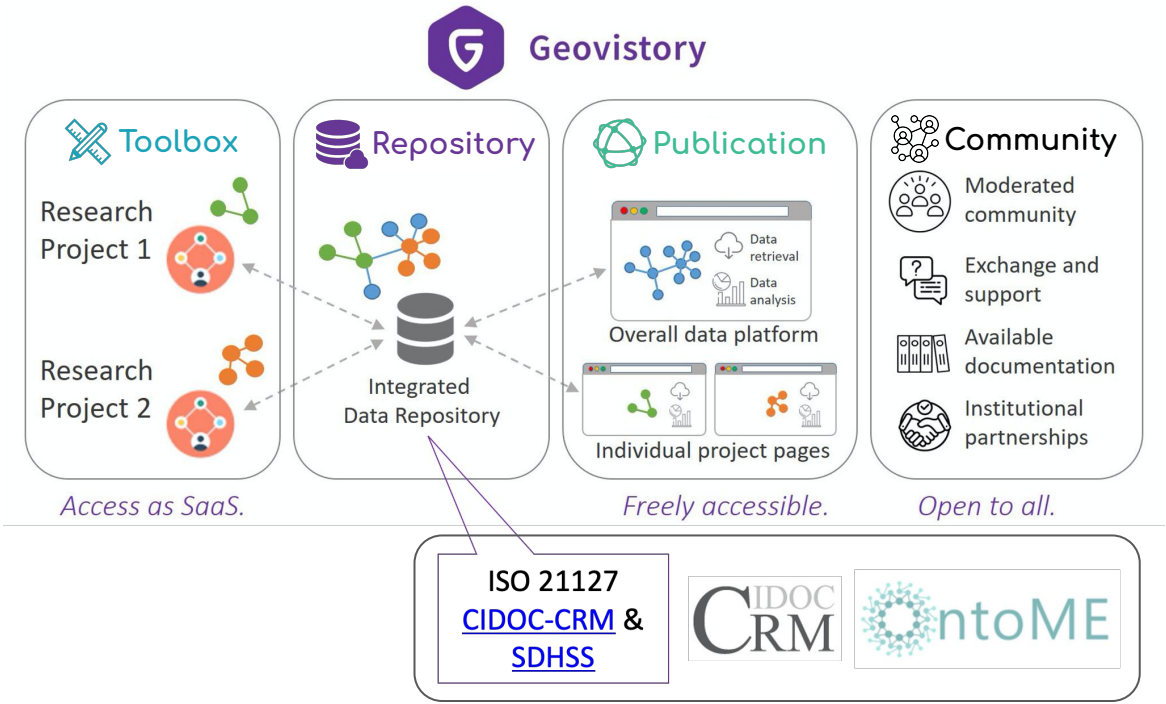

1. The *Toolbox*

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Sources

Sources
Create your library of books, manuscripts, etc. and reproduce them as texts, tables (or images)

Entities

Entities
Reconstruct reality by creating, discussing and improving your data

Digitals

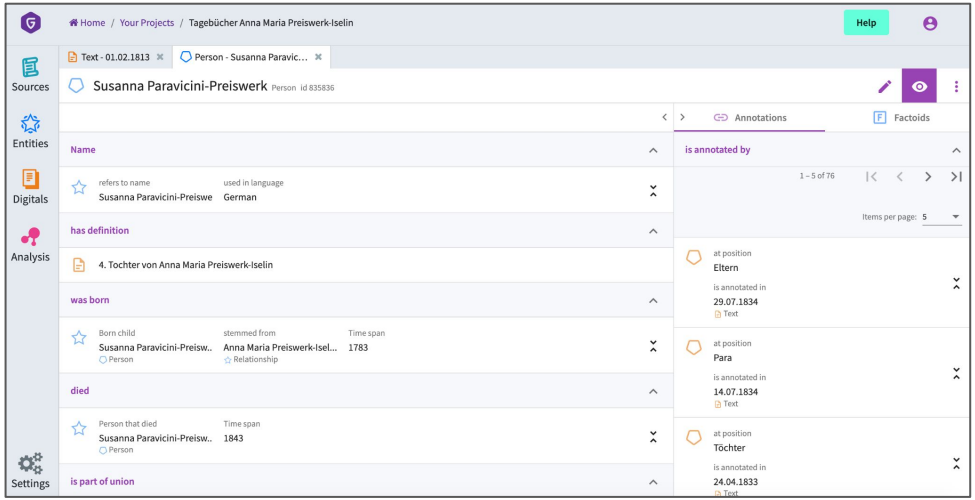
Digitals
Create and manage texts and tables

Analysis

Analysis
Analyse your data, create beautiful data visualization and gain insights

Settings

Settings
Manage controlled vocabularies & ontological settings. Activate classes and collections of classes



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1. The *Toolbox*

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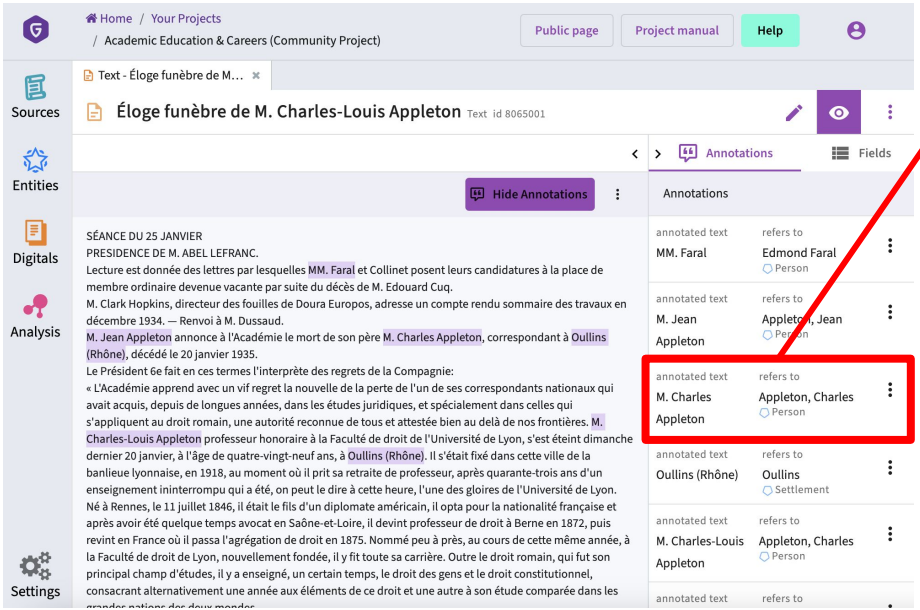

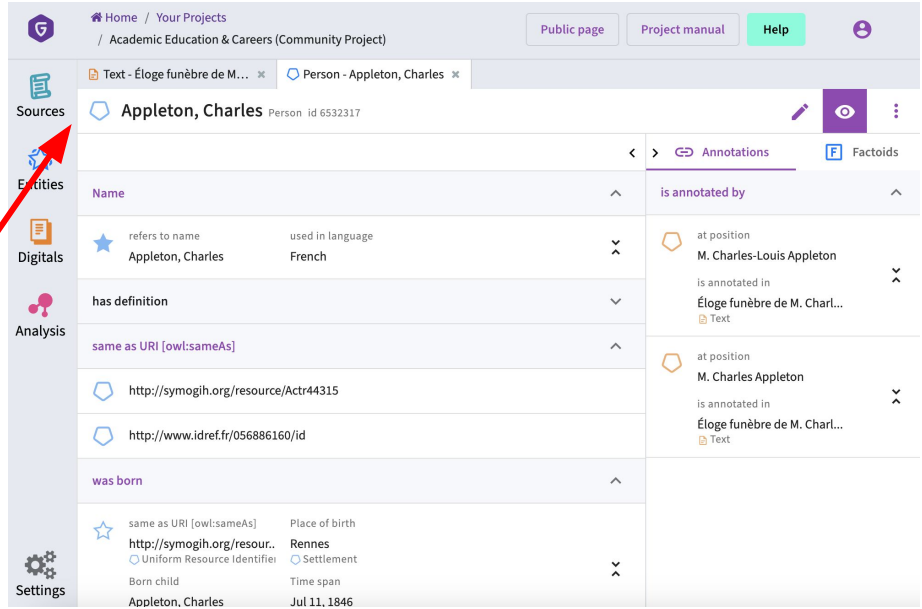

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1. Toolbox

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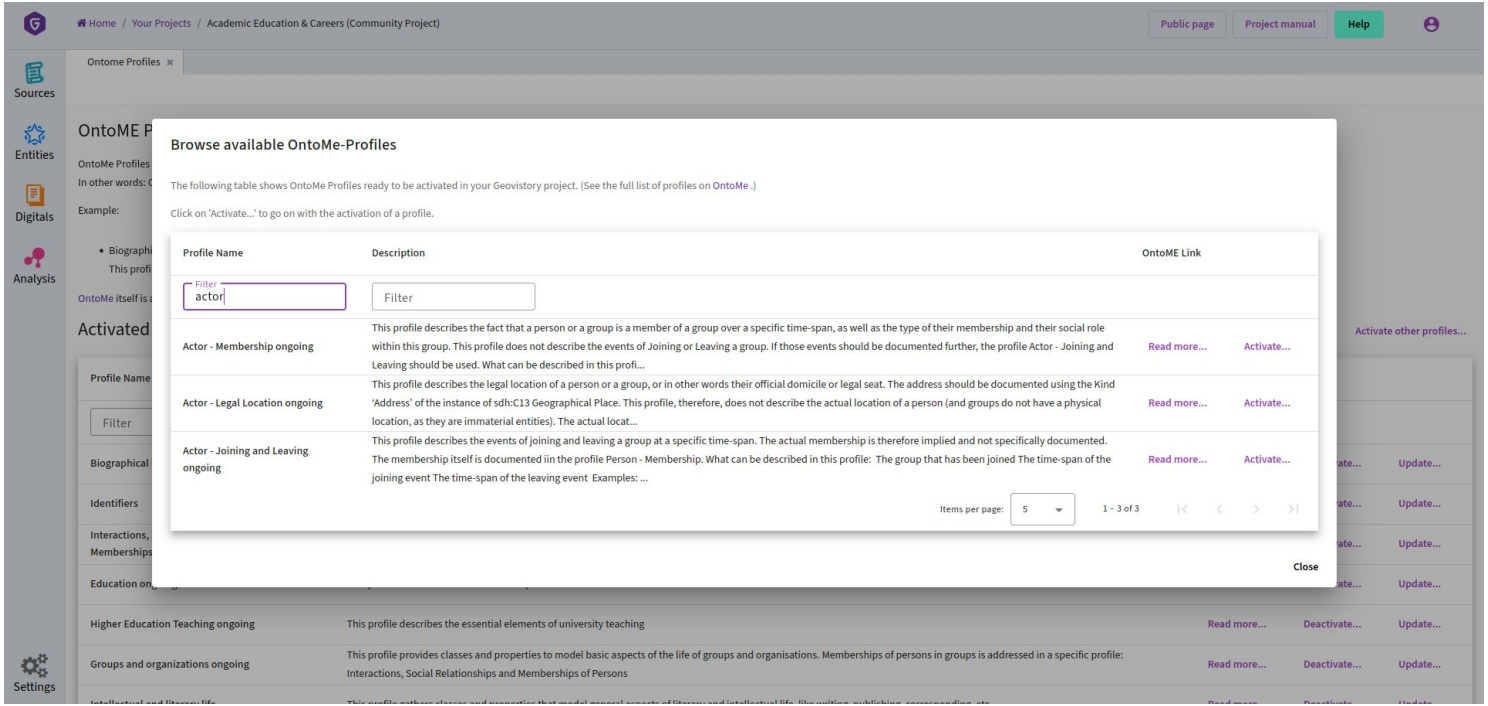

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2. Repository

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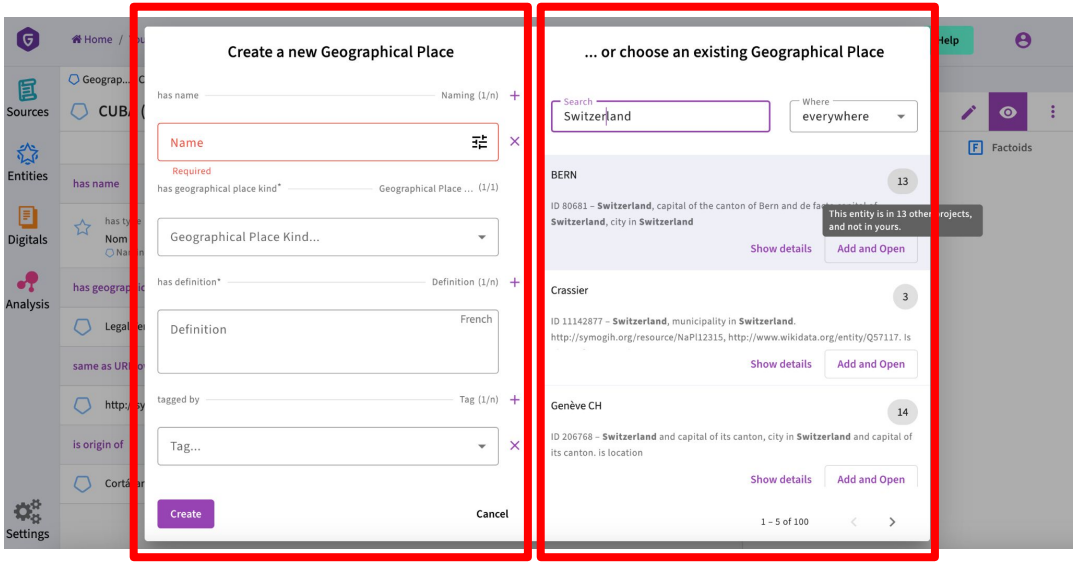
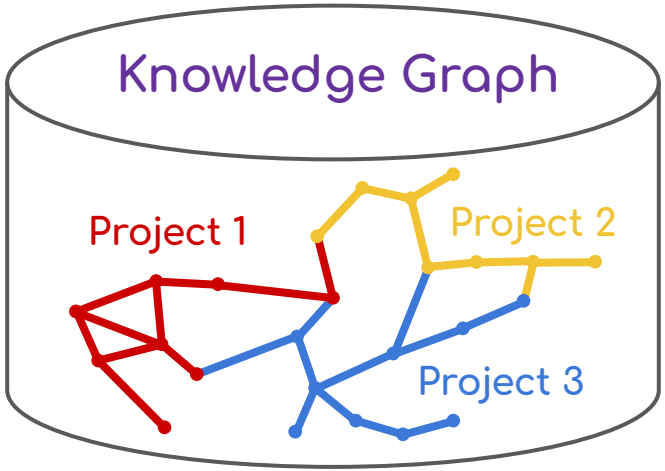


Specific Project

Access to the whole Knowledge Graph



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3. SDHSS ontology management in Ontome

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Foundational ontologies
and modelling methodologies

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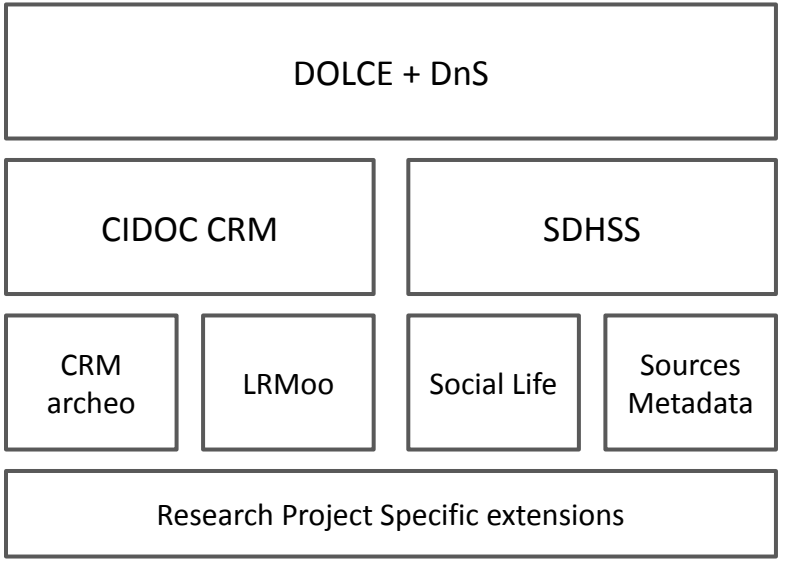
Generic, domain related core ontology

⇩

Demain related extensions

⇕

Research specific data models



3. SDHSS ontology management in Ontome

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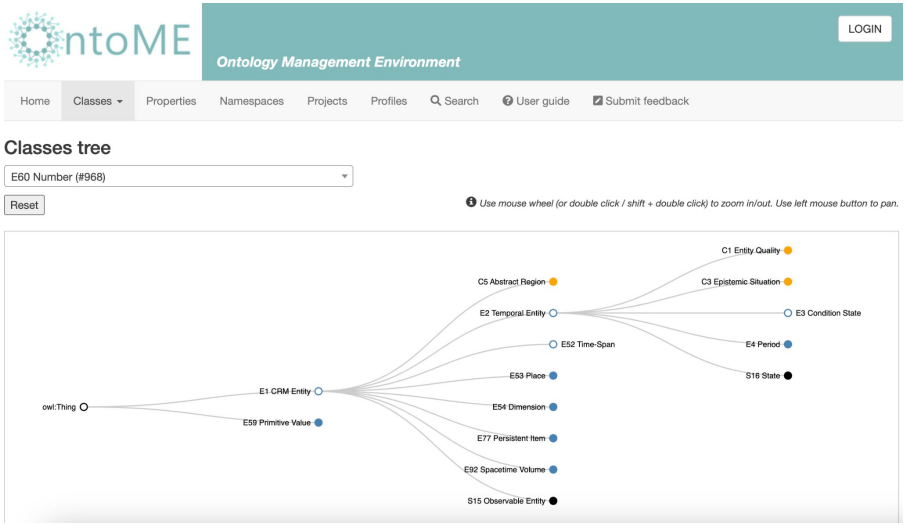
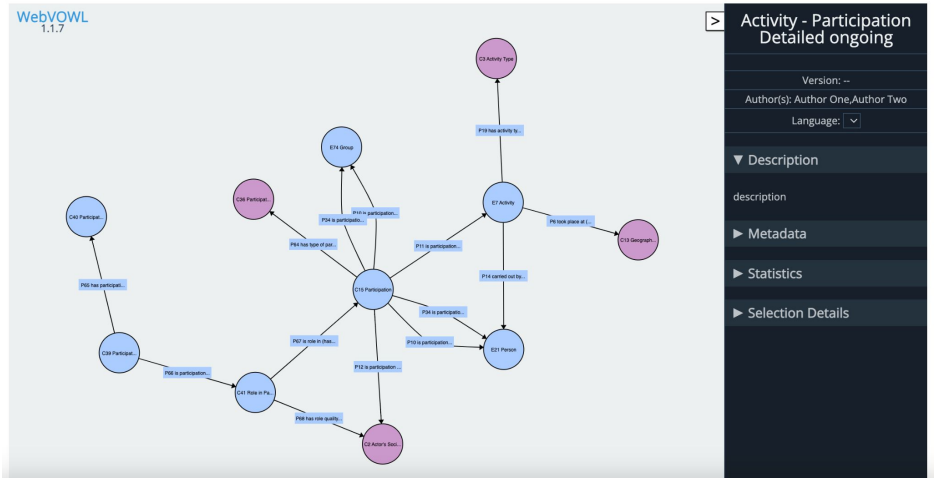


OntoME website for managing ontologies

Application profiles



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4. Publication

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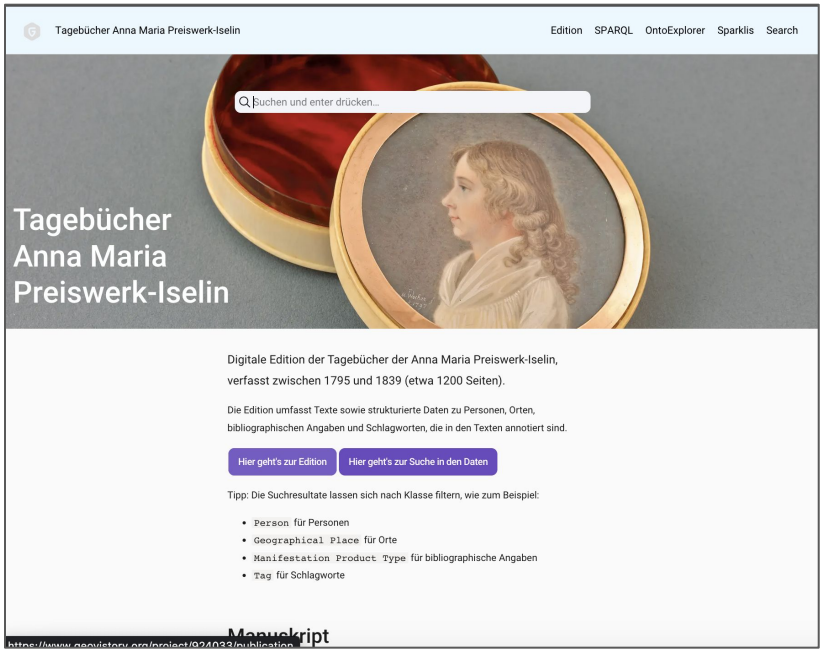

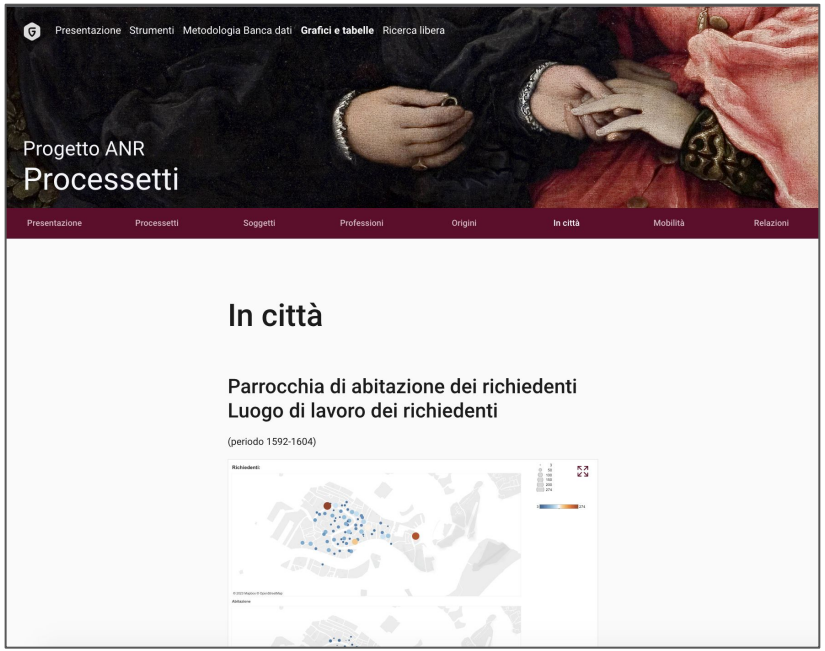

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4. Geovistory in the LOD

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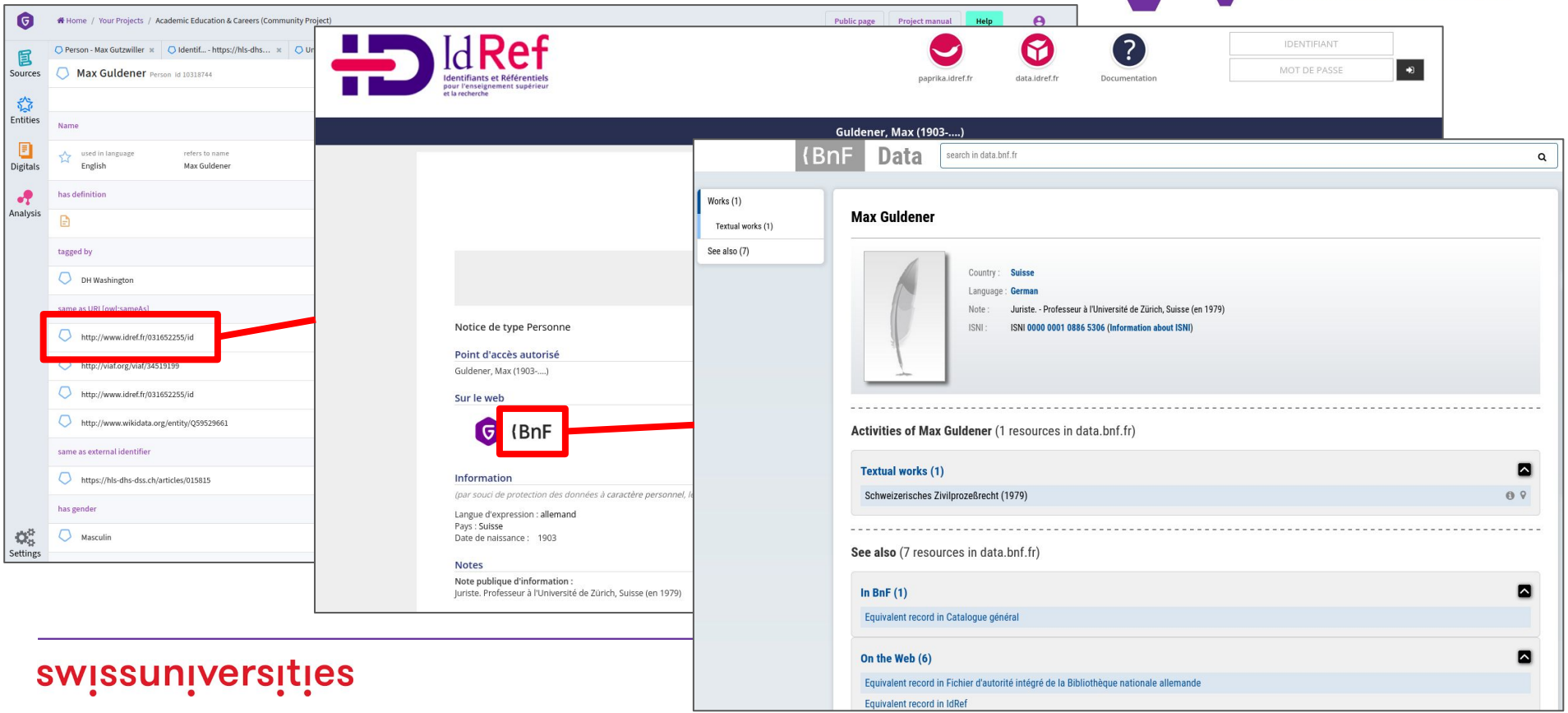

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4. Geovistory in the LOD Humanities

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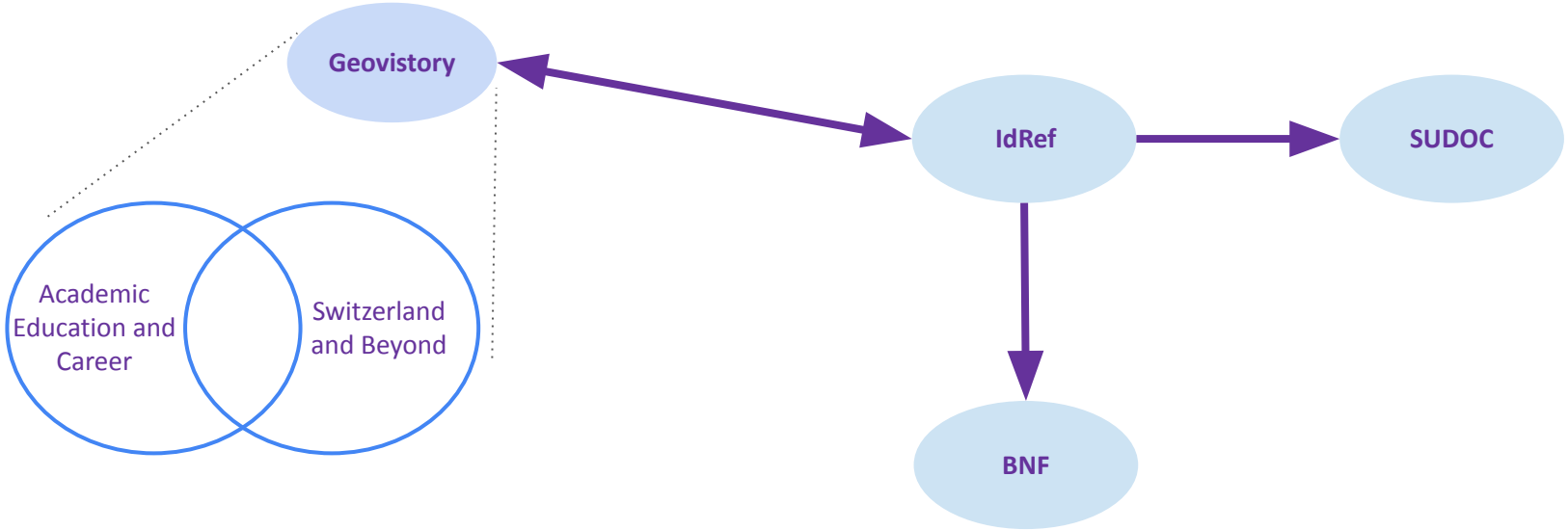

5. Community

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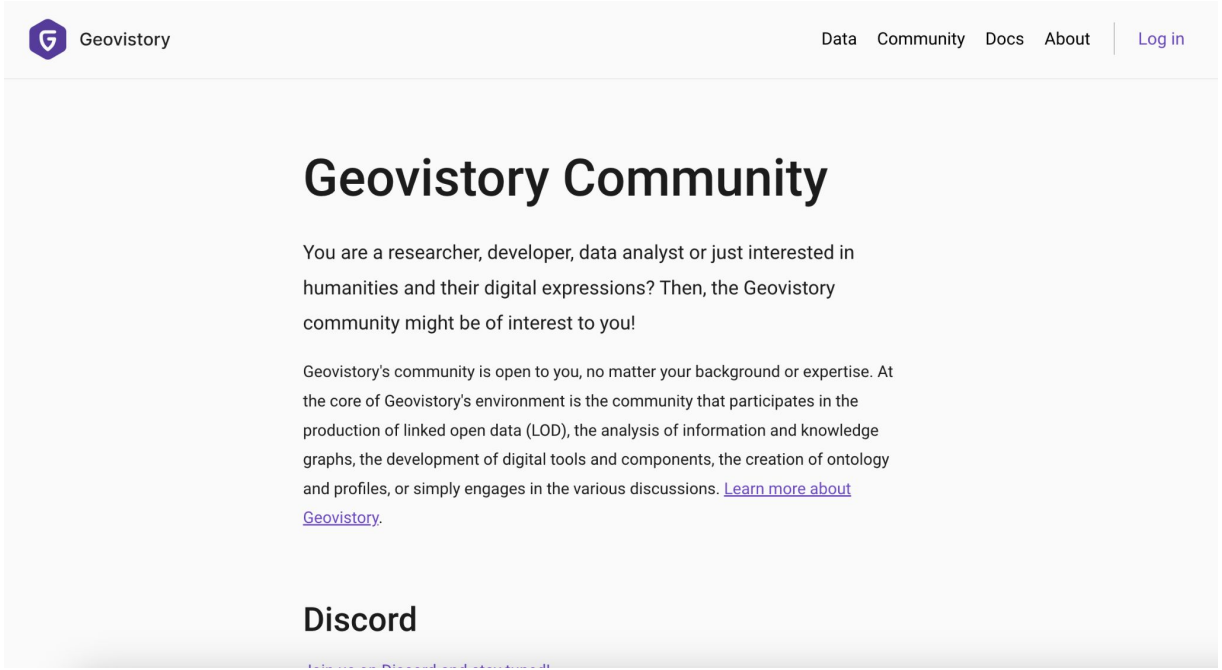

- Conferences
- Workshops
- Discord
- Newsletter

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Geovistory in the research cycle

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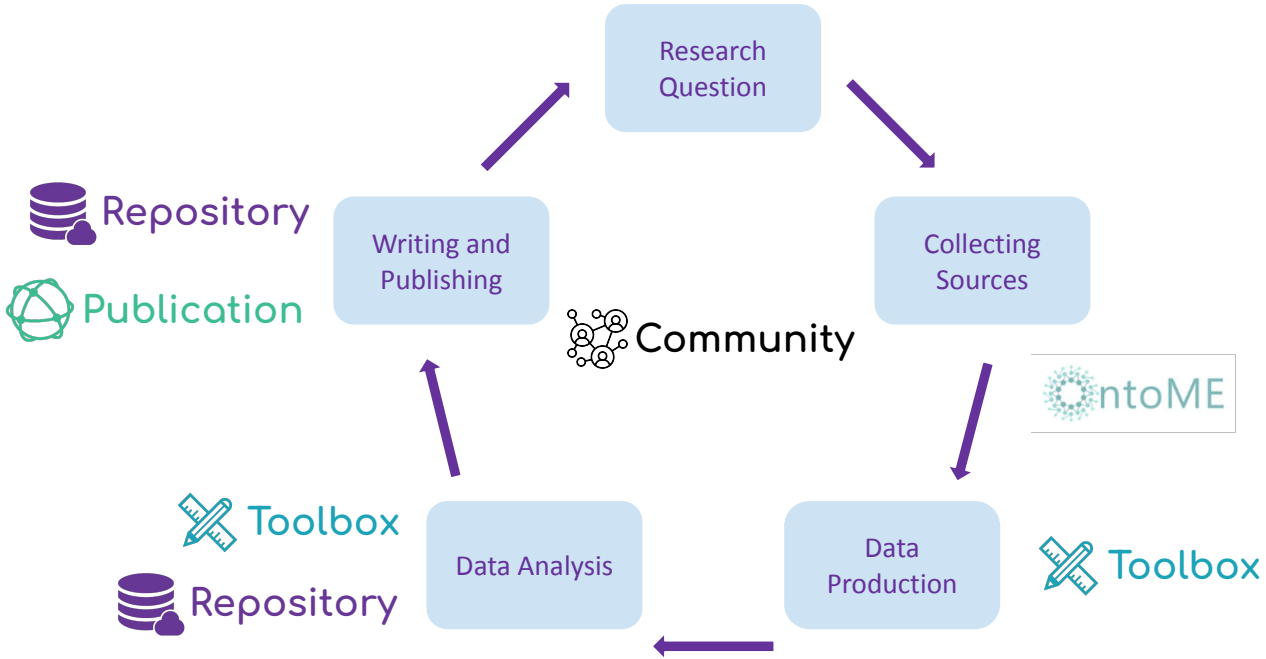

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Thank you!
Questions?

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https://www.geovistory.org/