



Geovistory

ein Workshop im Rahmen der

Abschlussstagung & Hackathon

„Professorale Karrieremuster Reloaded –
Daten, Methoden und Analysen der digitalen
Frühneuzeitforschung zur Universitäts- und
Gelehrten Geschichte“

27. Oktober 2021

Francesco Beretta, David Knecht

Workshop Ziele

- Neues Werkzeug zur Produktion und Verwaltung historischer Daten kennenlernen
- Gemeinsames Experiment im Rahmen der Abschlussstagung «Professorale Karrieremuster Reloaded»

Agenda

- Teil 1: Kurze Einführung in die Welt von Geovistory
- Teil 2: Workflow: Wie wird mit Geovistory gearbeitet? Am Beispiel der vDHd
- Teil 3: Einführung ins Experiment
- Abschluss & Ausblick
- Diskussion, Fragen & Kommentare

Who are we?

Kleio Lab is a Start-Up from Basel founded in 2017.



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Geovistory

A virtual research environment for the

« Digital Humanities »

Key Features

✓ Built to handle historical information

- Information evolving over time
- Uncertainty in time

- Defined classes ensure reusability & interoperability



HistDMI

Key Features

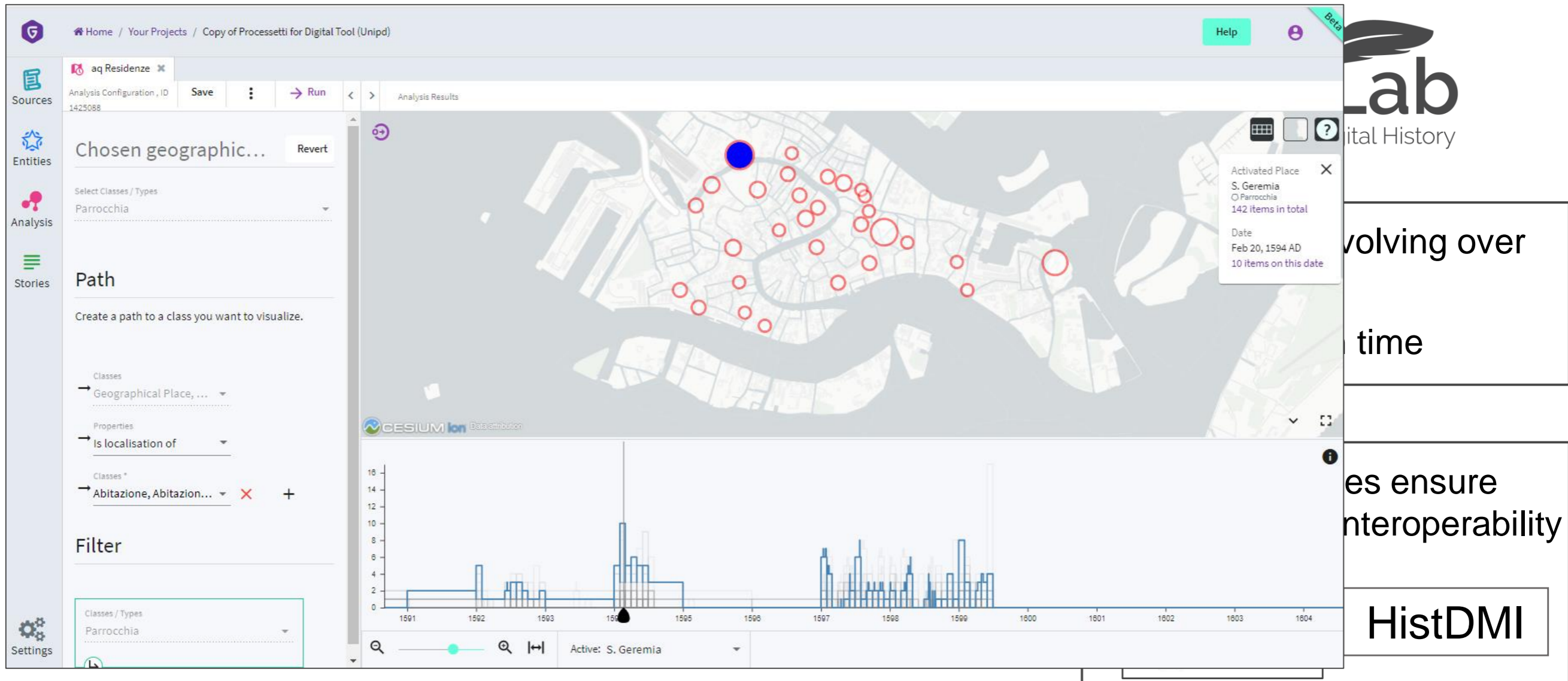
- Information evolving over

✓ Built

✓ Intuitive

The screenshot shows the KleioLab web application interface. The top navigation bar includes a home icon, a breadcrumb trail 'Home / Your Projects / Maritime history', a 'Help' button, and a user profile icon with a 'Beta' badge. The left sidebar contains navigation options: Sources, Entities, Analysis, Stories, and Settings. The main content area displays 'Your Entities' with an '+ add' button and filter options for 'Persistent', 'Temporal', and 'All'. A search bar is present with the text 'Search ...'. Below the search bar, it shows '1-10 of 14,757 results'. Three entities are listed: 'Aabenraa DK' (Geographical Place), 'Aachen DE' (Geographical Place), and 'Aagtekerke' (Ship). At the bottom of the sidebar, there is a pagination control showing '1', '2', '3', '...', and '1476'.

re
ability
MI



✓ Powerful generic analysis tools

- Visualize changes in time and space (timelines & maps)

File Edit View History Bookmarks Tools Help

Unibasel - Prototype

dataforhumanities.org

VIEWIND Search

Data Repo Project Community About us

UNIVERSITÀ DEGLI STUDI DI PADOVA

Project description Team Publication & Results Projekt ansehen

Processetti. Mariage et mobilité à Venise (XVIe-XVIIIe siècle)

Project Description

How can we trace the labor migration to Venice between the 16th and 17th

Information evolving over time

Uncertainty in time

Defined classes ensure reusability & interoperability

CIDOC CRM

HistDMI

Visualize changes in time and space (timelines & maps)

✓ Easy publishing & presenting of results

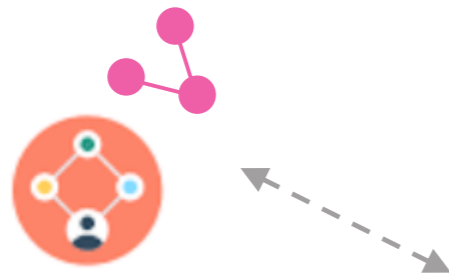
- Publish interactive visualizations, and searchable research data (e.g. annotated editions)

Key Features

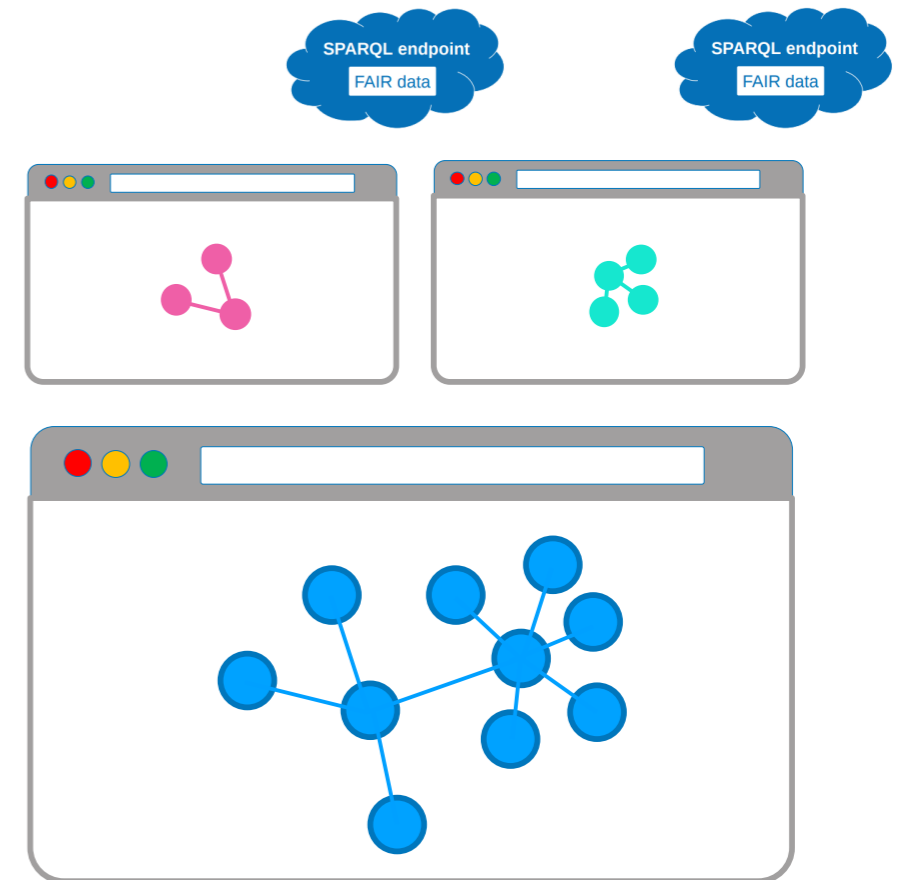
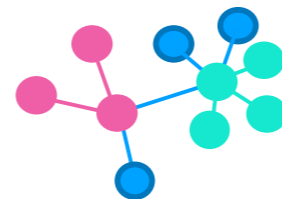
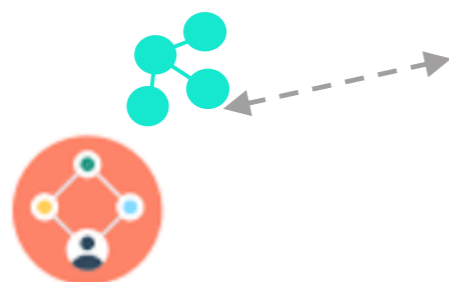


IN DEVELOPMENT

Project 1

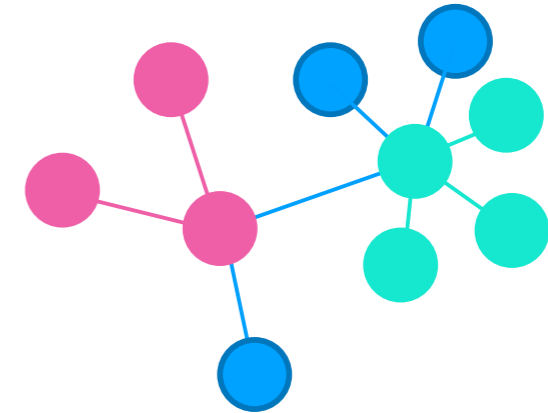


Project 2



Datamodel

The „common language“ of data



ISO norm
Widely used
High-level & extensible
25+ years of modelling

Scientific partnership with KleioLab
Digital history research team
Host of OntoME
CIDOC-CRM extensions for humanities
15+ years of modelling

Toolbox



Sources

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



Entities

Reconstruct reality by creating, discussing and improving your data.



Analyse

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



Stories

Embed your visualizations in texts and communicate your results with storytelling.



Settings

Manage controlled vocabularies & ontological settings.
Activate classes & collection of classes.

Example Projects



Serial History Project
Maritime History
17/18. century



Historical Database Project
Demographics in Basel
In the 19th century



Serial History Project
Migration history
Venice 16th century



Edition Project
Female perspective
18/19th century



Serial History Project
Migration history Switzerland
20th century



Serial History Experiment
Professoral Careers
17-20th century

Anmerkungen

- Ein Werkzeug – wird befüllt gemäss Schwerpunkt
- Erlaubt: Flexible Datenproduktion, -verwaltung, -visualisierung & Datenpublikation für:
 - Aktive Forschung & Lehre
 - Nachnutzung für weitere Forschung
- Daten Import versus manuelles Arbeiten
- Langfristige Finanzierung

Teil 2: Der Kieler Professorenkatalog in Geovistory

Ein mehrteiliger Workshop im Rahmen der
vDHd2021.

University Professors and Their Networks

German

A collaborative research project initiated as part of the vDHd-
2021.

Open

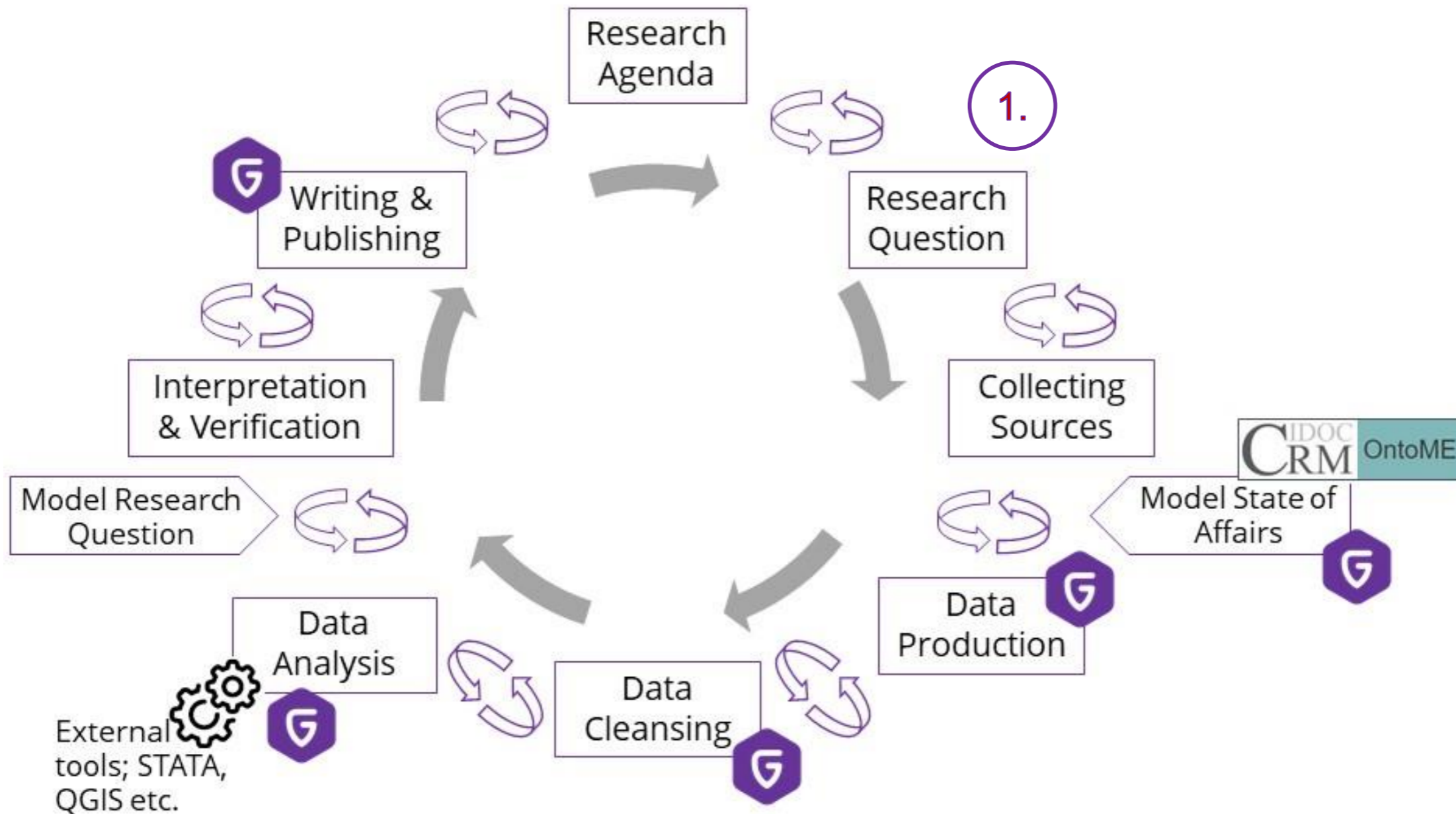
Das vDHd-Experiment

Ziele des Experiments:

- Erfahrungen sammeln in der gemeinsamen Kuratierung & Auswertung von Forschungsdaten
- Im Fokus steht dabei:
 - Das kollaborative Forschen
 - Die Nachnutzbarkeit der Forschungsdaten

Etappen

Cycle of historical knowledge production

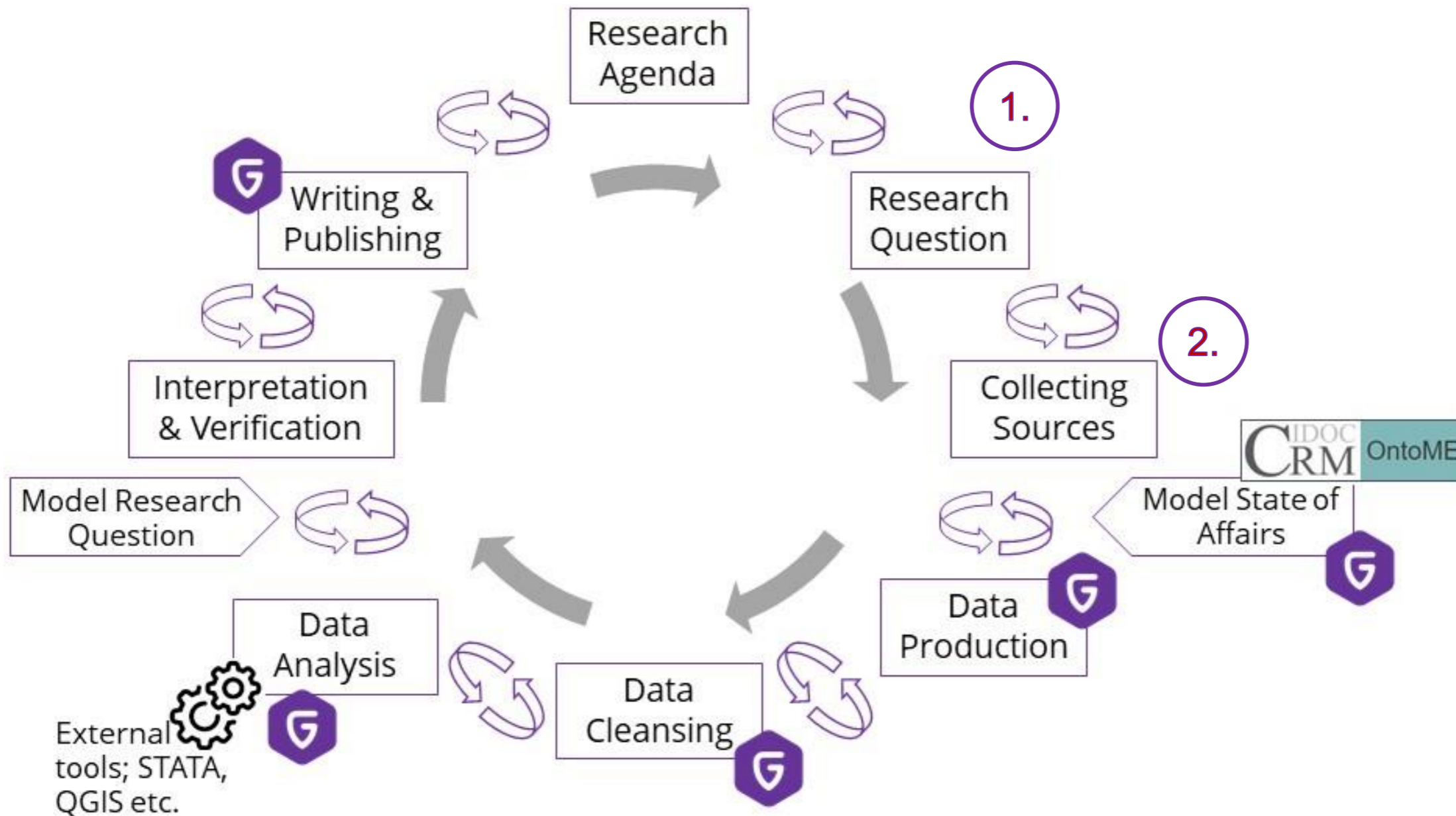


Fragestellung

Wie gestaltet sich die **räumliche Verteilung der Kieler Professorenlandschaft** nach Promotions- und Habilitationsorten?

Etappen

Cycle of historical knowledge production



Quellen

Hauptquelle

- Professorenkatalog der Universität Kiel (CAU)
 - <https://digiHum.de/professoren/>
 - 1706 Personeneinträge
 - Inbegriffene Tätigkeitsjahre an CAU: 1665-1955

Enthaltene Informationen

- Name mit kurzem Lebenslauf & akademischen Stationen
- Jahreszahlen der Tätigkeit an der CAU & Literaturhinweise
- Ca. 450 Einträge mit PND/GND-Referenznummer

Quellen

☰Kieler Gelehrtenverzeichnis🔍

Home / [Your Projects](#) / University Professors and Their NetworksHelpBeta

Serial... - Volbehr, Profes... xTable 24797056 x

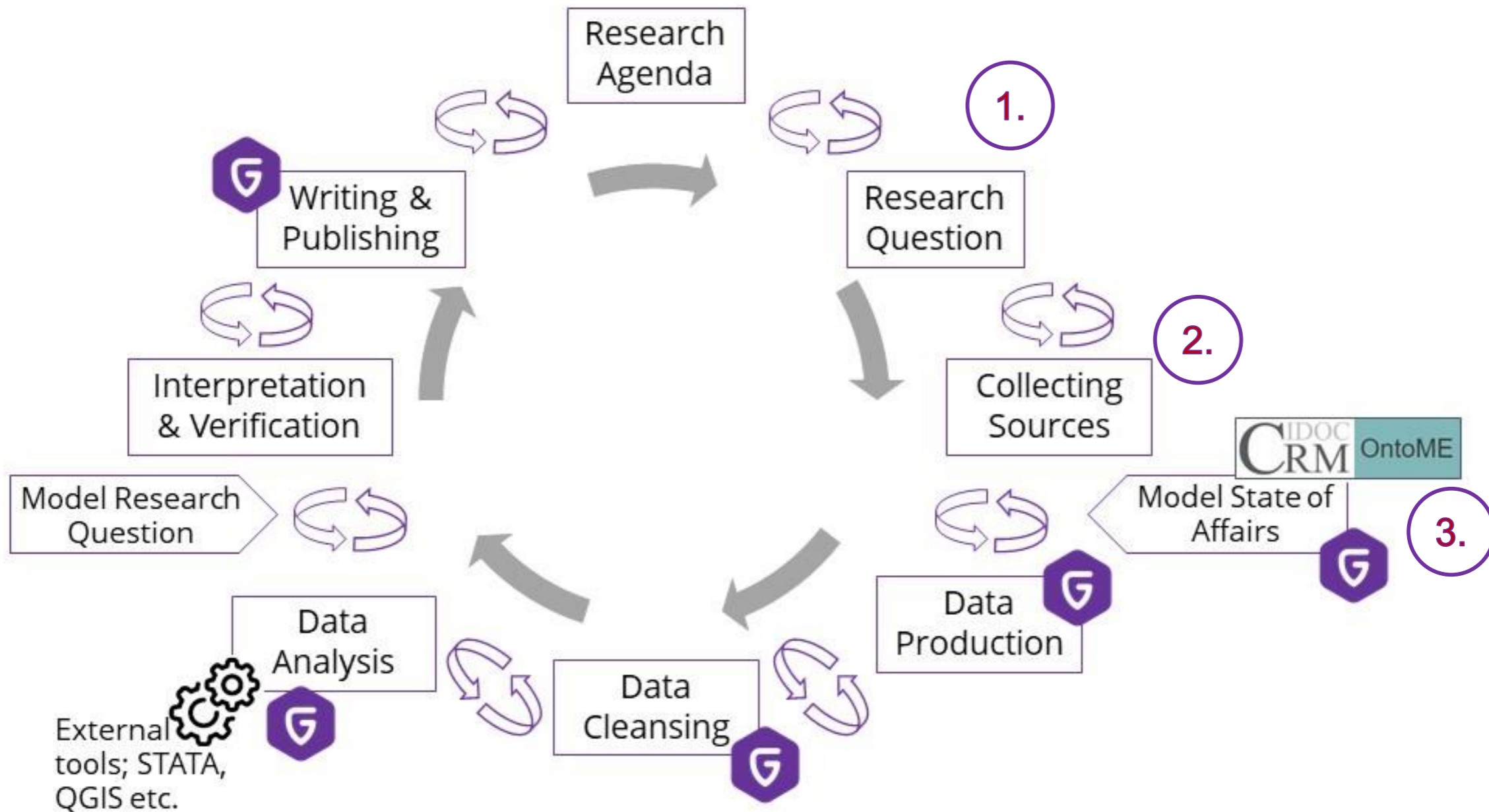
[Edit table](#)[Edit columns](#) Filters Text breakItems per page: 501 - 50 of 60⏪ ⏩⋮

↓ numbe	Text text	Jahr text	Name und Vorname text		Gebdat text	
			text	matched Person		
	Text...	Text...	Otto		Text...	Text...
1315	DIELS, Otto, geb. 23. Jan. 1876 in Hamburg; 1899 Dr. phil. Berlin, seit 1. Okt. 1899 Assistent am Chem. Institut der Universität, 12. März 1904 habilitiert, 19. Mai 1906 Prof. (Tit.), 1. April 1914. Abteilungsvorsteher am Chem. Institut; 23. Dez. 1915 außerord.Prof., 13. März 1916(zum 1. April) ord. Prof. der Chemie in Kiel und Direktor des Chemischen Instituts, 1945 entpfl., 1950 Nobelpreis, 1950 Dr. med. h. c. Kiel; gest. 7. März 1954.	1916/45	Diels Otto	Otto Diels Person	18760123	
1318	TOEPLITZ, Otto, geb. 1. Aug. 1881 in Breslau; 1905 Dr. phil. Breslau; 23. Juli 1907 habilitiert in Göttingen, 25. Okt. 1912 Prof. (Tit.); 25. Okt. 1913 (ab 1. Okt.) außerord. Prof. in Kiel, 22. Febr. 1918 Mitdirektor des Mathematischen Seminars, 7. Jan. 1920 (ab 1. April) ord. Prof. der Mathematik; 29. Nov. 1928 nach Bonn berufen, 1936 entpflichtet; gest. 15. Febr. 1940 in Jerusalem.	1920/28	Toeplitz Otto	No entity matched	18810801	
1327	SCHRÄDER, Friedrich Otto, geb. 19. März 1876 in Hamburg; 1902 Dr. phil. Straßburg; 1905-1920 in Brit. Indien, bis 1916 als Direktor der Adyar Library, Madras, Okt. 1914 bis Dez. 1919 interniert in Ahmed- nagar; 4. April 1921 ord. Prof. des Sanskrit und der Vergleichenden Sprachwissenschaft in Kiel, 14. Juni 1921 Mitdirektor des	1921/45	Schräder Friedrich Otto	No entity matched	18760319	

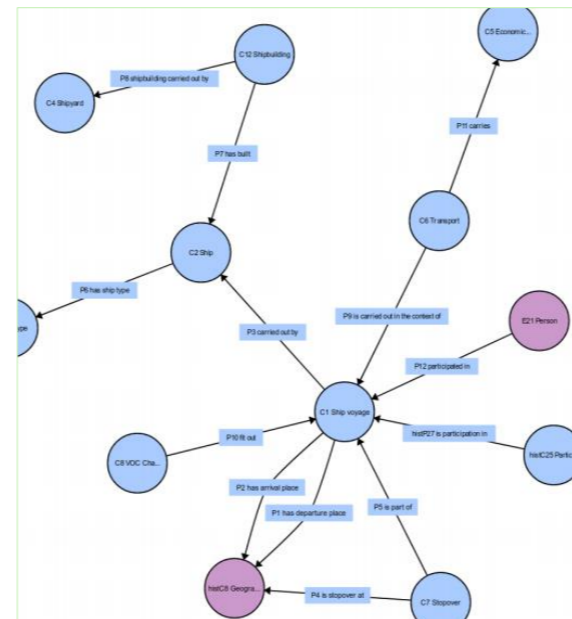
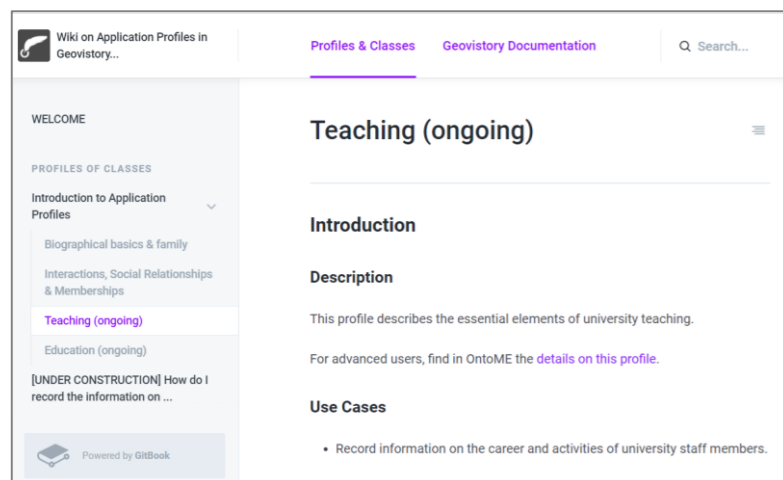
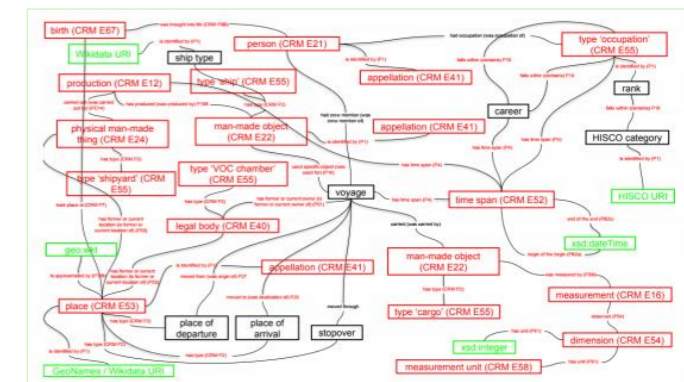
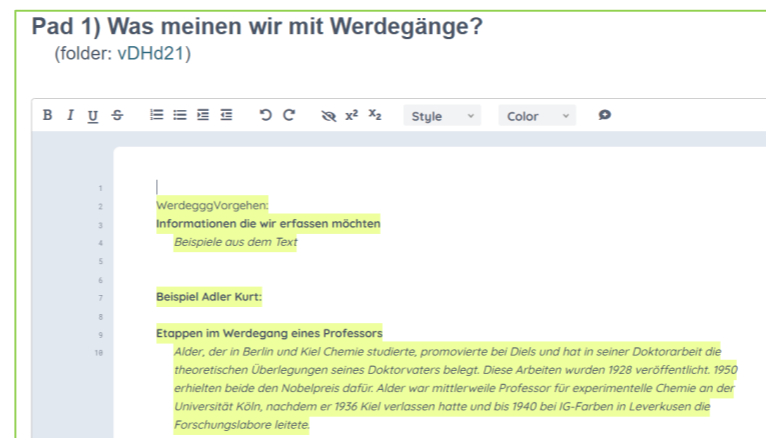
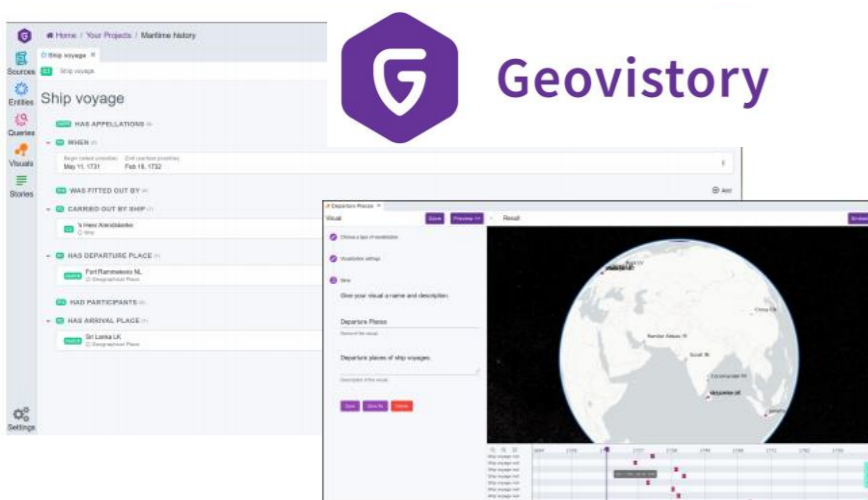
Sources Entities Analysis Stories Settings

Etappen

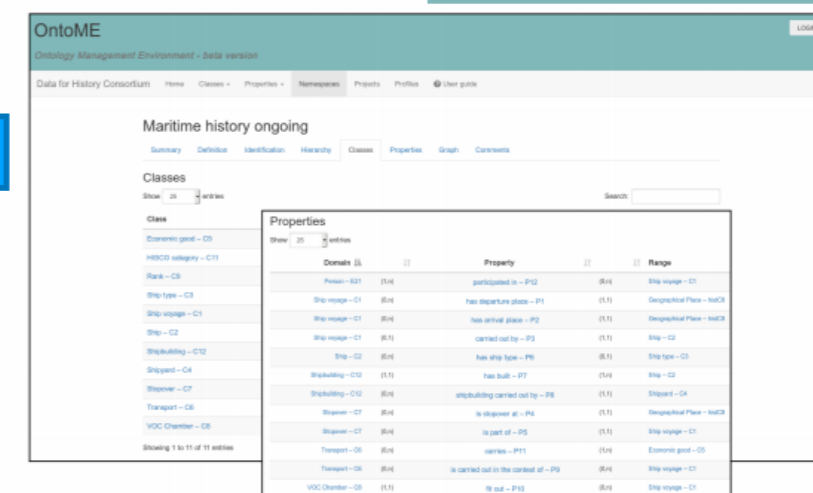
Cycle of historical knowledge production



Modellieren Workflow



OntoME
Ontology Management Environment



Modellieren

Profiles & Classes Geovistory Documentation

Classes

Among others, this profile contains the following classes:

Study (C2)

A person's learning activity during a given time-span at a school, college or university. This class is modelled as a phase, i.e. as a set of coherent activities related to the general occupation of studying at one, and only one, education institution.

Example

- Person xy pursues *studies* in macroeconomics from 2008 to 2012.

Study title (C4)

This class comprises a title or degree that one receives after completing a course of study.

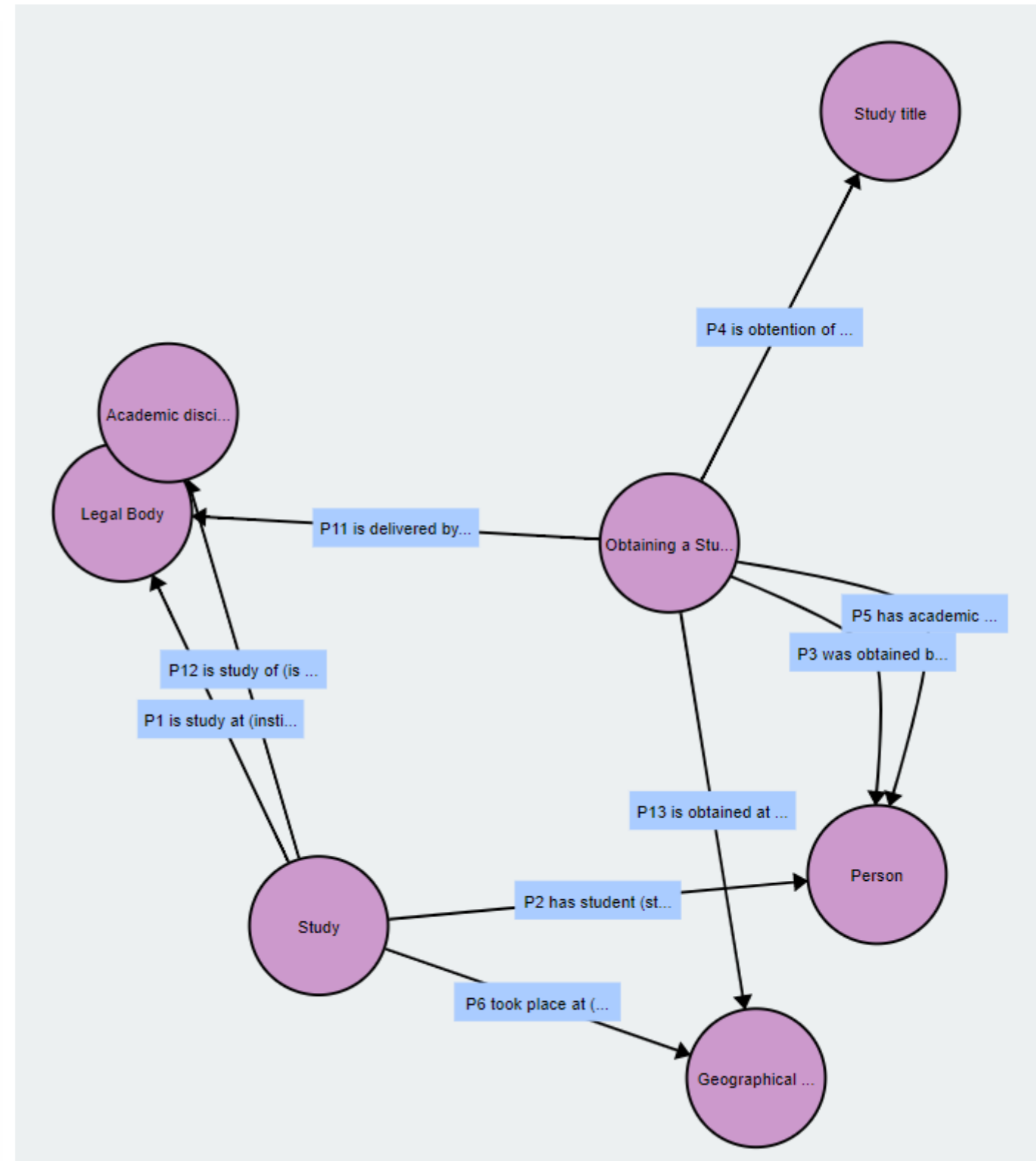
Example

- Bachelor degree
- Master degree
- PhD

Obtain a study title (C3)

The present class models the fact that a person succeeds in obtaining a study title or degree.

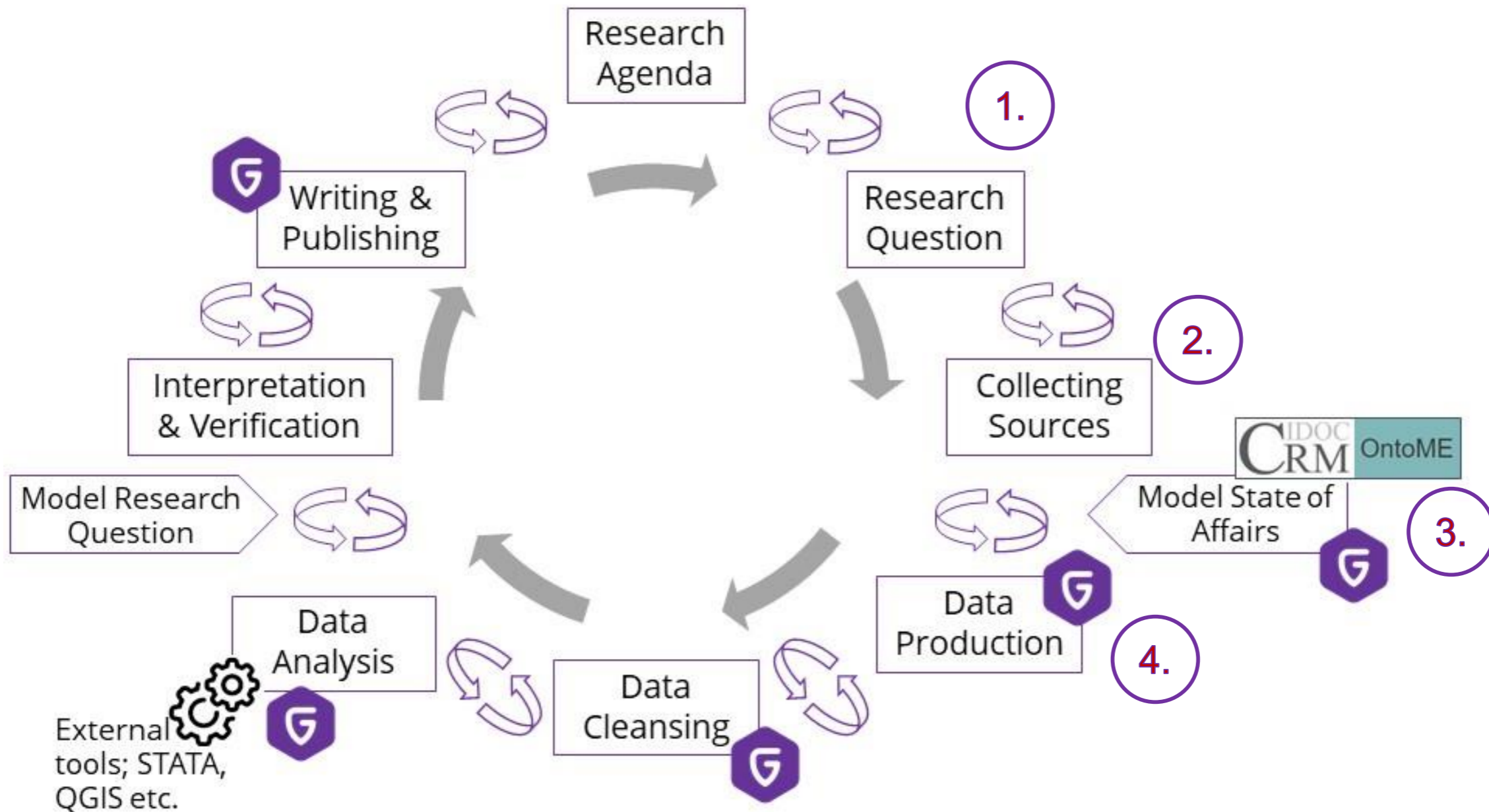
Example



<https://kleiolab.gitbook.io/geovistory/profiles-of-classes/introduction-to-ontome-profiles/teaching-ongoing>

Etappen

Cycle of historical knowledge production



Datenproduktion

The screenshot displays the KleioLab web application interface. The top navigation bar includes a home icon, the breadcrumb 'Home / Your Projects / University Professors and Their Networks', a 'Help' button, and a user profile icon. A 'Beta' badge is visible in the top right corner.

The left sidebar contains navigation options: Sources, Entities, Analysis, Stories, and Settings.

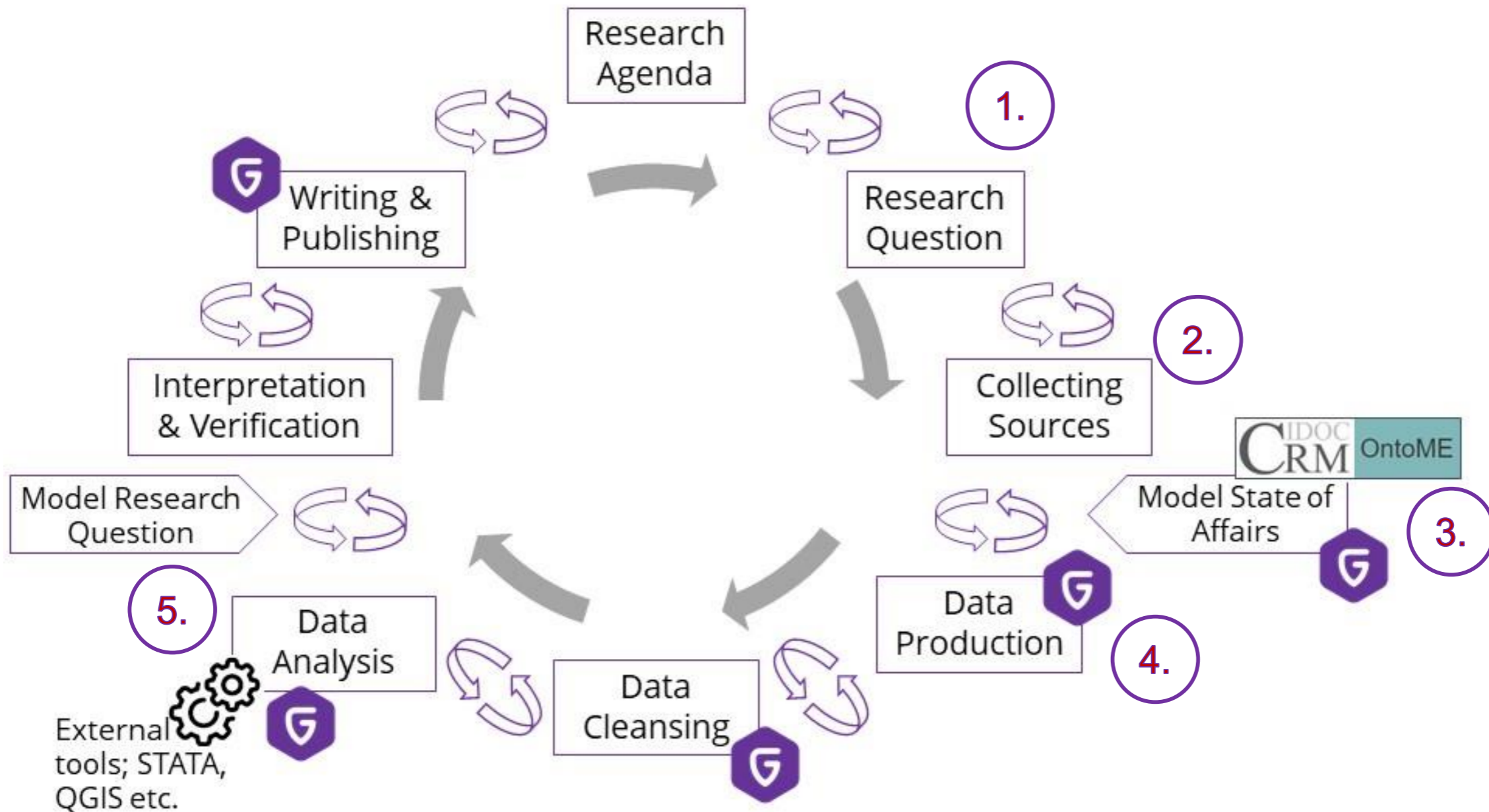
The main content area is divided into two panels:

- Left Panel (Search Results):** Titled 'Your Entities', it features a search bar with 'Search ...' and a magnifying glass icon. Below the search bar, it shows '1-10 of 290 results'. Three results are visible:
 - Aachen DE** (Geographical Place): *Geographical Place – Name: 'Aachen DE', Is localisation of: 'RWTH Aachen , Aachen DE', Georeference: '(no label)*
 - Aichel Otto** (Person): *Person – Name: 'Aichel Otto', has gender: 'Male', embodies: 'Aichel Otto, Professur für Anatomie & Anthropologie Universität*
 - Akademie der Wissenschaft...** (Legal Body): *Legal Body – Naming: 'Akademie der Wissenschaften zu Göttingen ', was located during: 'Akademie der Wissenschaften zu*
- Right Panel (Entity Detail):** Titled 'Person - Otto Diels', it shows the entity 'Otto Diels' with ID: 1575602 and Class: Person. The detail view is organized into sections:
 - Basic fields:** Includes a toggle for 'Show empty fields'.
 - Name (1):** A list item for 'Person Appellation in a Language' with properties: 'has time-span', 'used in language: German', and 'refers to name: Otto Diels'.
 - has definition (1):** A section with expand/collapse controls.
 - Metadata fields:** Includes a toggle for 'Show empty fields'.
 - Specific fields:** Includes a toggle for 'Show empty fields'.
 - has gender (1):** A section with expand/collapse controls.
 - has its origins in (1):** A section with expand/collapse controls.
 - Hamburg DE** (Geographical Place): A list item at the bottom.

At the bottom of the search results, there is a pagination control showing page 1 of 29 results.

Etappen

Cycle of historical knowledge production



Datenanalyse

– Geografische Verteilung der Professuren

Home / Your Projects / University Professors and Their Networks

geogr. Verteilung der Pro... x

Analysis Configuration , Save Run Analysis Results

Chosen geographi... Revert

Select Classes / Types
Geographical Place, Canton, Stadt

Path
Create a path to a class you want to visualize.

Classes
→ Geographical Place, ...

Properties
→ Is localisation of

Classes
→ Localisation

Activated Place X
Kiel DE
Geographical Place
69 items in total

Date
Mar 16, 1762 AD
3 items on this date

CESIUM Ion Data attribution

Active: Kiel DE

Teil 3: Arbeiten mit dem Kieler Professorenkatalog

Ein gemeinsames Experiment
im Rahmen der Abschlussstagung.

University Professors and Their Networks

German

A collaborative research project initiated as part of the vDHD-2021.

[Open](#)

Experiment

Fragestellung

- Wie sind die Geburts- & Habilitationsorte der Kieler (Medizin)-Professoren verteilt?

Aufgabe

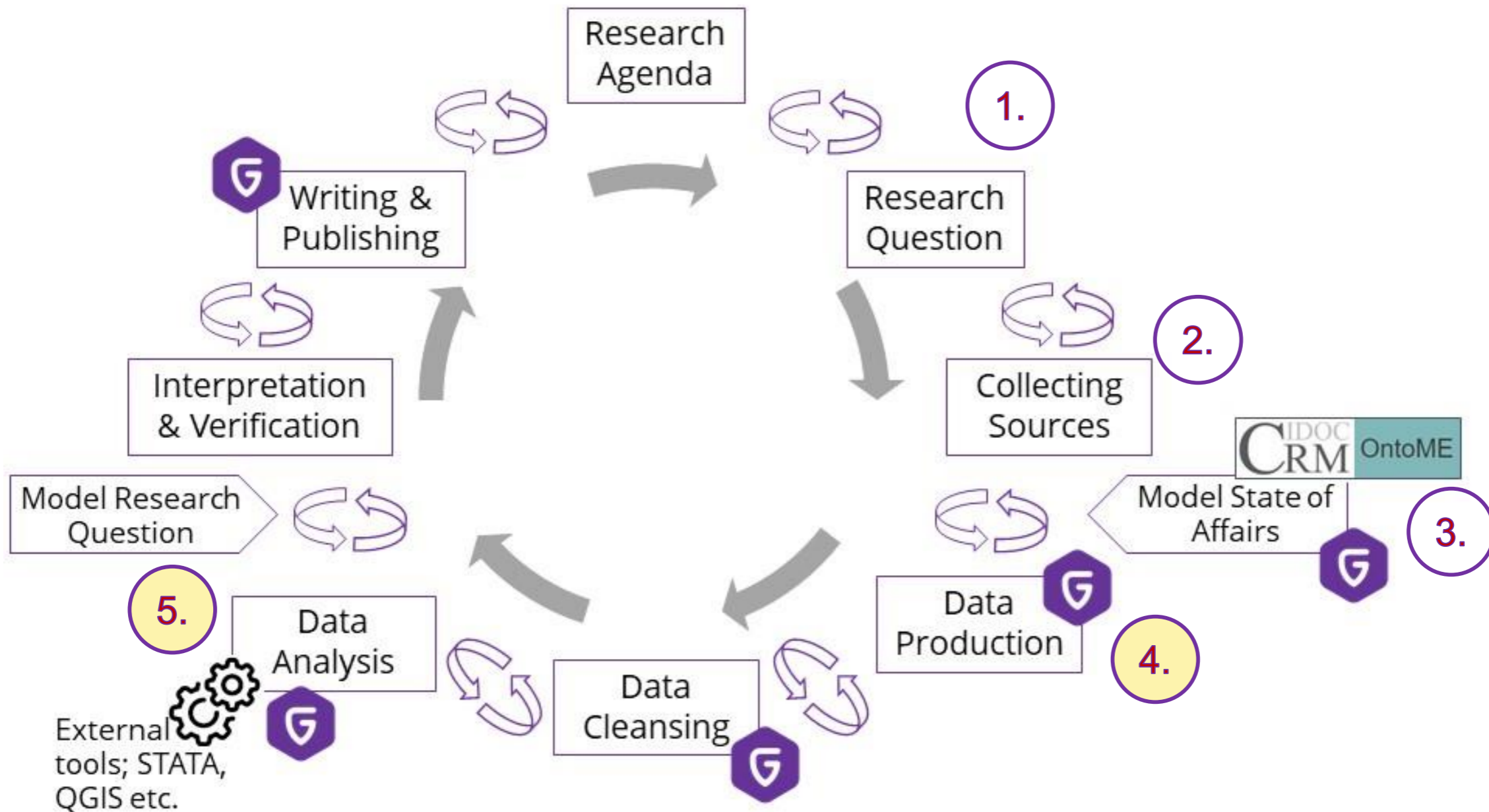
- Wir erfassen die dazugehörenden Daten und visualisieren die Geburts- & Habilitationsorte.

Quellen

- «Volbehr/Weyl 1956» als Tabelle in Geovistory:
<https://www.geovistory.com/>
- Professorenkatalog «Volbehr/Weyl 1956 Online»:
<https://digiHum.de/professoren/katalog/>
- Kieler Gelehrtenverzeichnis:
<https://cau.gelehrtenverzeichnis.de/>

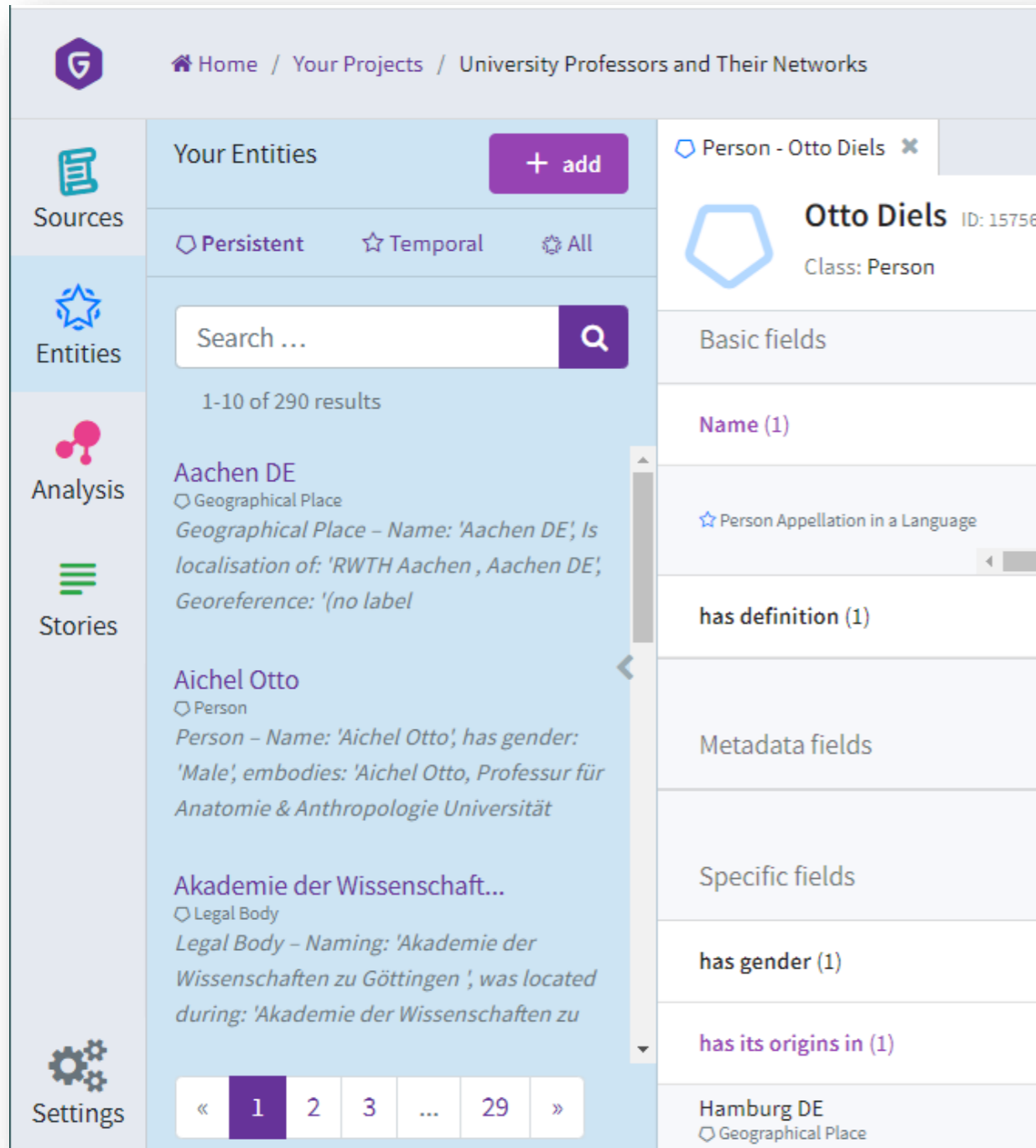
Etappen

Cycle of historical knowledge production



Anschauungsbeispiel

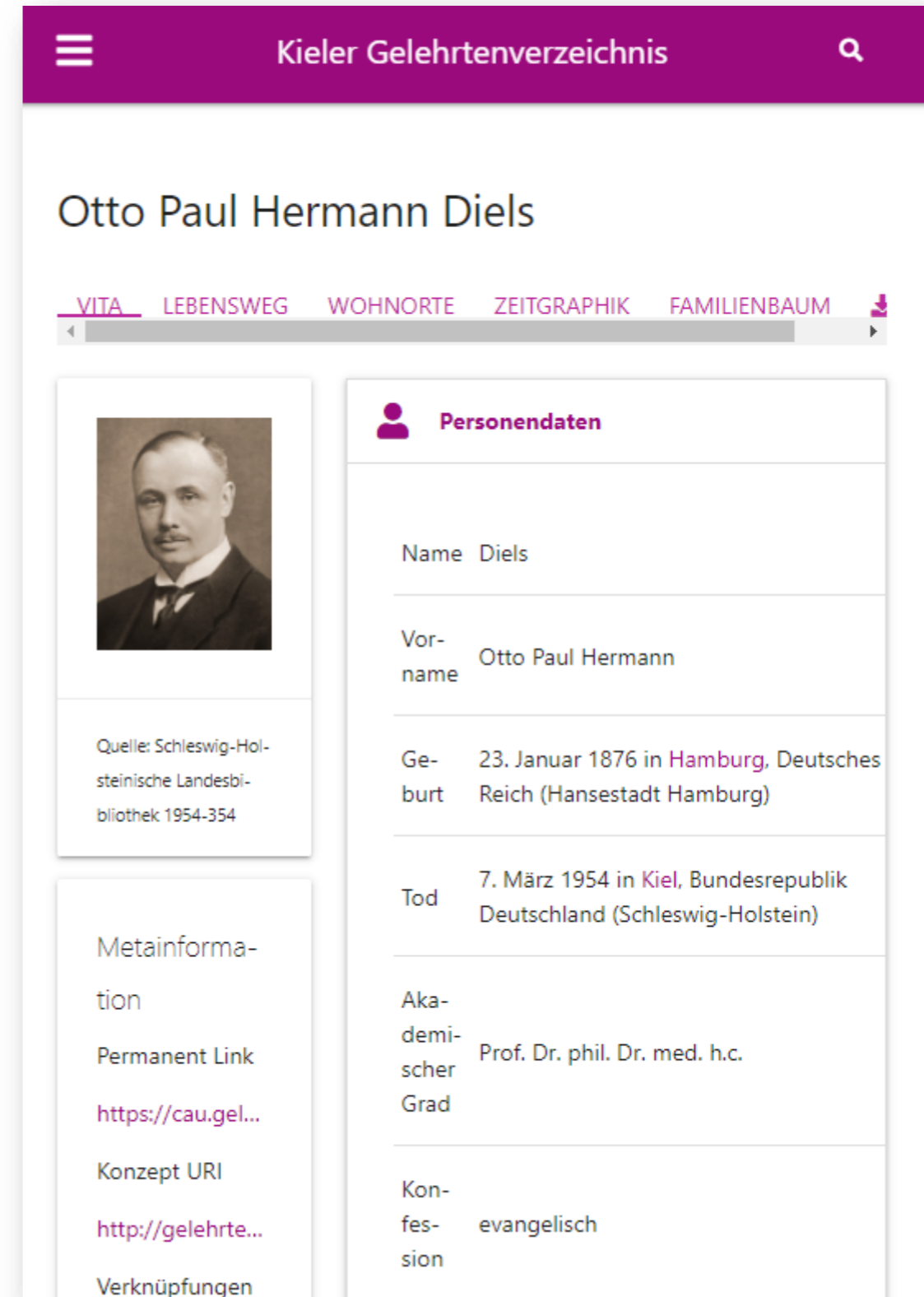
Otto Diels



The screenshot shows the KleioLab interface with a search for 'Otto Diels'. The search results list includes:

- Aachen DE**
Geographical Place
Geographical Place – Name: 'Aachen DE', Is localisation of: 'RWTH Aachen , Aachen DE', Georeference: '(no label
- Aichel Otto**
Person
Person – Name: 'Aichel Otto', has gender: 'Male', embodies: 'Aichel Otto, Professur für Anatomie & Anthropologie Universität
- Akademie der Wissenschaft...**
Legal Body
Legal Body – Naming: 'Akademie der Wissenschaften zu Göttingen ', was located during: 'Akademie der Wissenschaften zu

The interface also shows a sidebar with navigation options: Sources, Entities, Analysis, Stories, and Settings. The search results are displayed in a list with a search bar and a '+ add' button.



The screenshot shows the profile page for Otto Paul Hermann Diels. The page includes a navigation bar with the title 'Kieler Gelehrtenverzeichnis' and a search icon. The profile page features a portrait of Otto Paul Hermann Diels and a list of personal data:

- Personendaten**
- Name: Diels
- Vorname: Otto Paul Hermann
- Geburt: 23. Januar 1876 in Hamburg, Deutsches Reich (Hansestadt Hamburg)
- Tod: 7. März 1954 in Kiel, Bundesrepublik Deutschland (Schleswig-Holstein)
- Akademischer Grad: Prof. Dr. phil. Dr. med. h.c.
- Konfession: evangelisch

The page also includes a 'VITA' tab and a 'LEBENSWEG' tab. The 'VITA' tab is selected, showing a portrait of Otto Paul Hermann Diels and a list of personal data. The 'LEBENSWEG' tab is also visible. The page includes a 'Metainformation' section with a 'Permanent Link' and a 'Konzept URI'.

Vorgehen

Vorgehen

- Filtern des Professoren-Kataloges nach «Medizin»
- Vorgehen gemäss Manual zur Datenerfassung

Link Manual

- Manual: <https://kleiolab.atlassian.net/l/c/vB9F1id1>
- Introduction of classes used:
<https://kleiolab.gitbook.io/geovistory/profiles-of-classes/introduction-to-ontome-profiles/education-ongoing>

Bei Fragen

- Forum im Wiki:
<https://kleiolab.atlassian.net/l/c/c51Z2SDd>
- Email (6.11. - 22.11. abwesend)

Weiterer Ablauf

27.10.2021	Workshop im Rahmen der Abschlusskonferenz
28.10. bis 30.11.21	Individuelles Arbeiten
02.11.21	Fragerunde 8h30-9h15 (nur bei Interesse/Anmeldung)
30.11.2021	Übergabe Daten an T. Riechert für Hackathon
02.12.2021	Präsentation Ergebnisse im Rahmen des Abschlusses des Hackathons

Vielen Dank!