VieCPro Database

and Management of prosopographical data@ACDH-CH

https://sennierer.github.io/viecpro_toolgallery_presentation_2021/

The Viennese Court. A prosopographical portal
(matthias.schloegl@oeaw.ac.at)

VieCPro & APIS Team

- Gregor Pirgie
- Sabine Laszakovits (NLP)
- Stefan Resch (Backend)
- Stefan Probst (Frontend, Visualizations)
- Arnold Graf (Frontend, Visualizations)
- Barbara Krautgartner (Frontend)
- Richard Hadden (Backend, Modelling)
- Carla Ebel, Ingo Börner (Modelling)

TOC

- ACDH-CH infrastructure and tools
- APIS & apps built on APIS
- Viennese Court@IHB
- VieCPro project requirements
- VieCPro workflow
- VieCPro NLP pipeline
- VieCPro modelling
- Still to come

https://sennierer.github.io/viecpro_toolgallery_presentation_2021/
https://viecpro.oeaw.ac.at/

Several interoperable tools

- **APIS**: entity store with several plugins (annotation, references etc.)
  - Plugins for: Atom (TEI editing), GDoc and Word
  - accessible for other tools via API
- **ApisHUB**: Central hub for network visualization on all APIS instances
- **HistoGIS**: GIS service that provides Shapefile from 19th and early 20th century (focus on Austrian-Hungarian Empire)
  - API to retrieve shapefiles needed on the fly

Several interoperable tools II

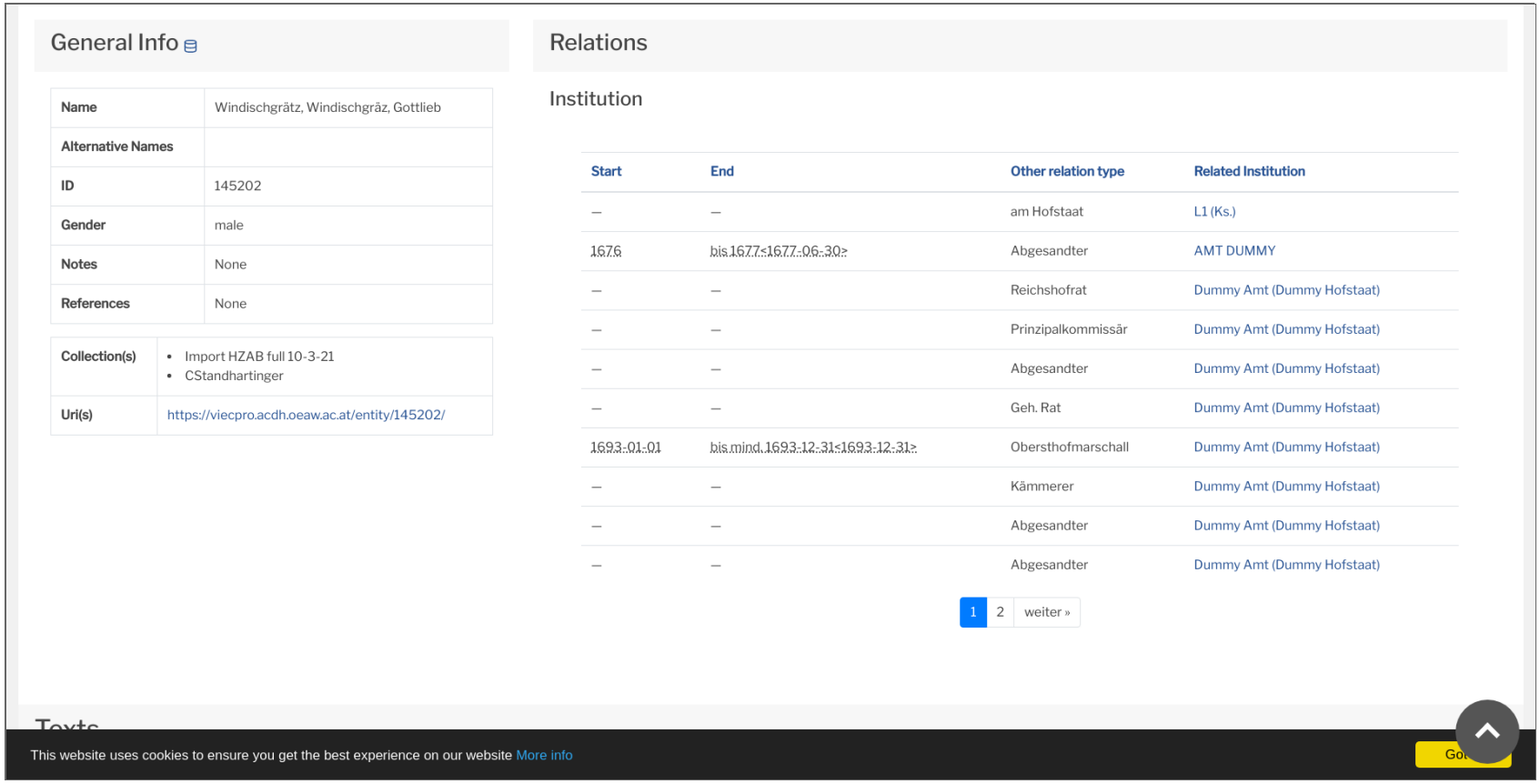
- **Omnipot**: Researchspace based knowledgebase that combines data from different sources
- **Nerdpool**: Service to spawn prodigy instances for training NLP models
- **SpacyApp**: service to run large chunks of texts (eg TEIs) through spacy NLP models

"Wiener Hof" projects@IHB

- VieCPro: Marion Romberg & Maximilian Kaiser (Innovationsfond)
- Der Wiener Hof: Eliten, Herrschaft und Repräsentation: Katrin Keller (FWF)
- Family Matters. Dynastic Agency in the Correspondence of Empress Eleonora Magdalena of Pfalz-Neuburg: Katrin Keller (FWF)

VieCPro project requirements

- Prosopographical Database
- extendable for more datasets to come
- frontend to curate the data
- API to automatically ingest the data
- pipeline for data ingestion



General Info

Name	Windischgrätz, Windischgräz, Gottlieb
Alternative Names	
ID	145202
Gender	male
Notes	None
References	None

Collection(s)	• Import HZAB full 10-3-21 • CStandhartinger
Uri(s)	https://viecpro.acdh.oeaw.ac.at/entity/145202/

Relations

Institution

Start	End	Other relation type	Related Institution
–	–	am Hofstaat	L1 (Ks.)
1676	bis 1677<1677-06-30>	Abgesandter	AMT DUMMY
–	–	Reichshofrat	Dummy Amt (Dummy Hofstaat)
–	–	Prinzipalkommissär	Dummy Amt (Dummy Hofstaat)
–	–	Abgesandter	Dummy Amt (Dummy Hofstaat)
–	–	Geh. Rat	Dummy Amt (Dummy Hofstaat)
1693-01-01	bis mind. 1693-12-31<1693-12-31>	Obersthofmarschall	Dummy Amt (Dummy Hofstaat)
–	–	Kämmerer	Dummy Amt (Dummy Hofstaat)
–	–	Abgesandter	Dummy Amt (Dummy Hofstaat)
–	–	Abgesandter	Dummy Amt (Dummy Hofstaat)

1 2 weiter »

Texts

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APIS

- Austrian Prosopographical Information System
- funded by the "Nationalstiftung"
- project end March 2020
- Goal was to semantically enrich ÖBL biographies >> prosopographical data
- APIS software one of the outcomes

Ideas

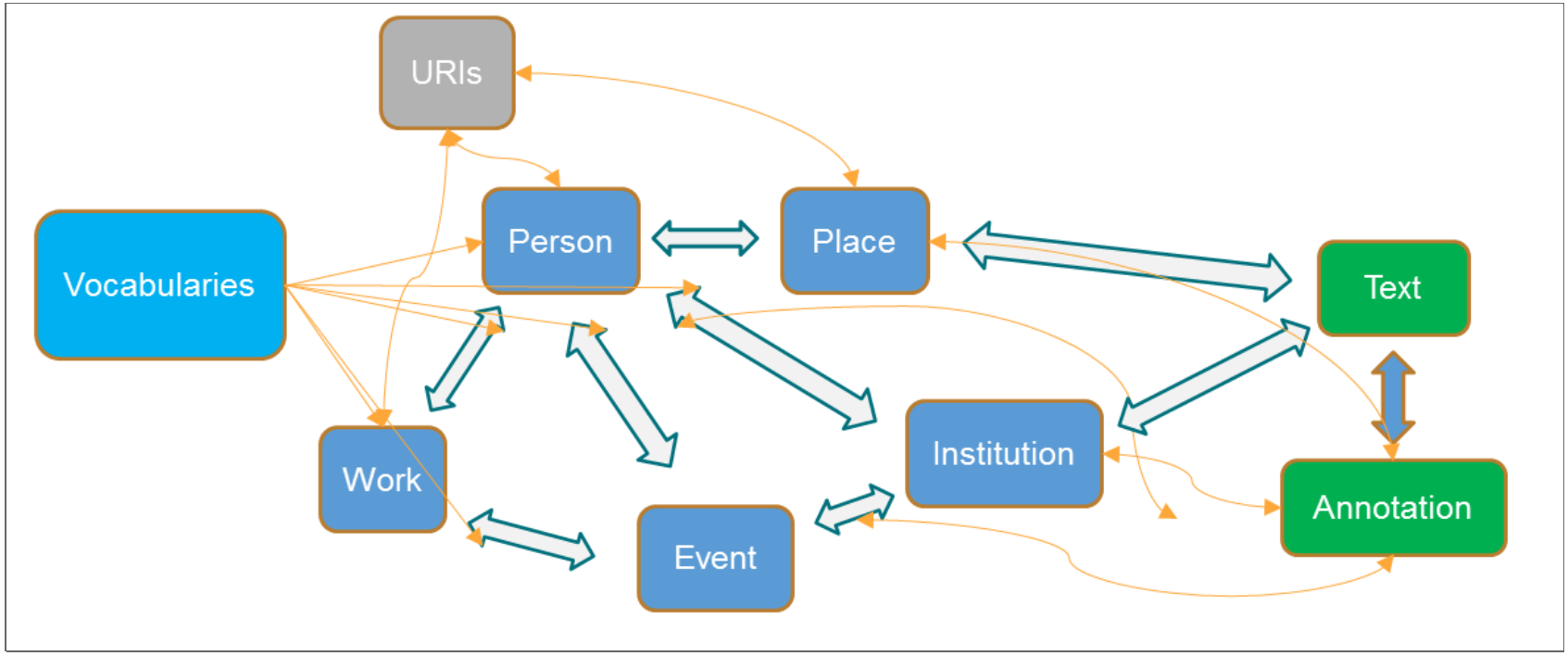
- simple data models >> serialize later in various formats/data models
- rock solid and widely used software stack >> less bugs, better documented, easier to develop
- hybrid approach >> researchers and tools use the same webtool/database

Stack

- Django (Python Web Development Framework)
- MySQL (Database)
- Stanbol (Reference resources)
- spaCy and Gate for NLP

Datamodel

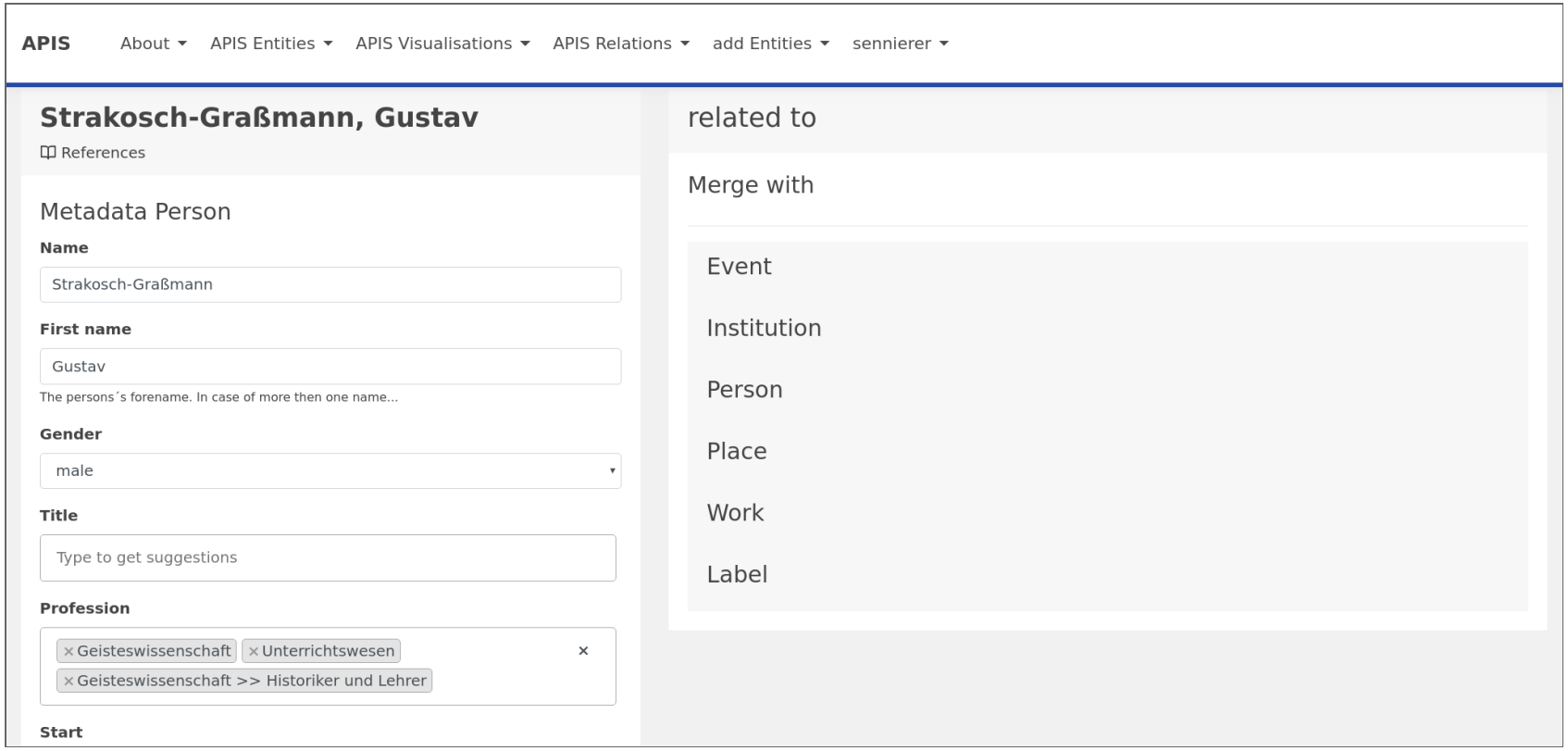
- 5 core entities: Person, Place, Institution, Work, Event
- all entities can be interrelated
- fixed set of relation attributes (mini-event)
- unlimited full texts can be attached to entities
- annotations related to entities and relations
- annotations organized in projects
- entities organized in collections


URIs
Person
Place
Vocabularies
Text
Work
Institution
Annotation
Event

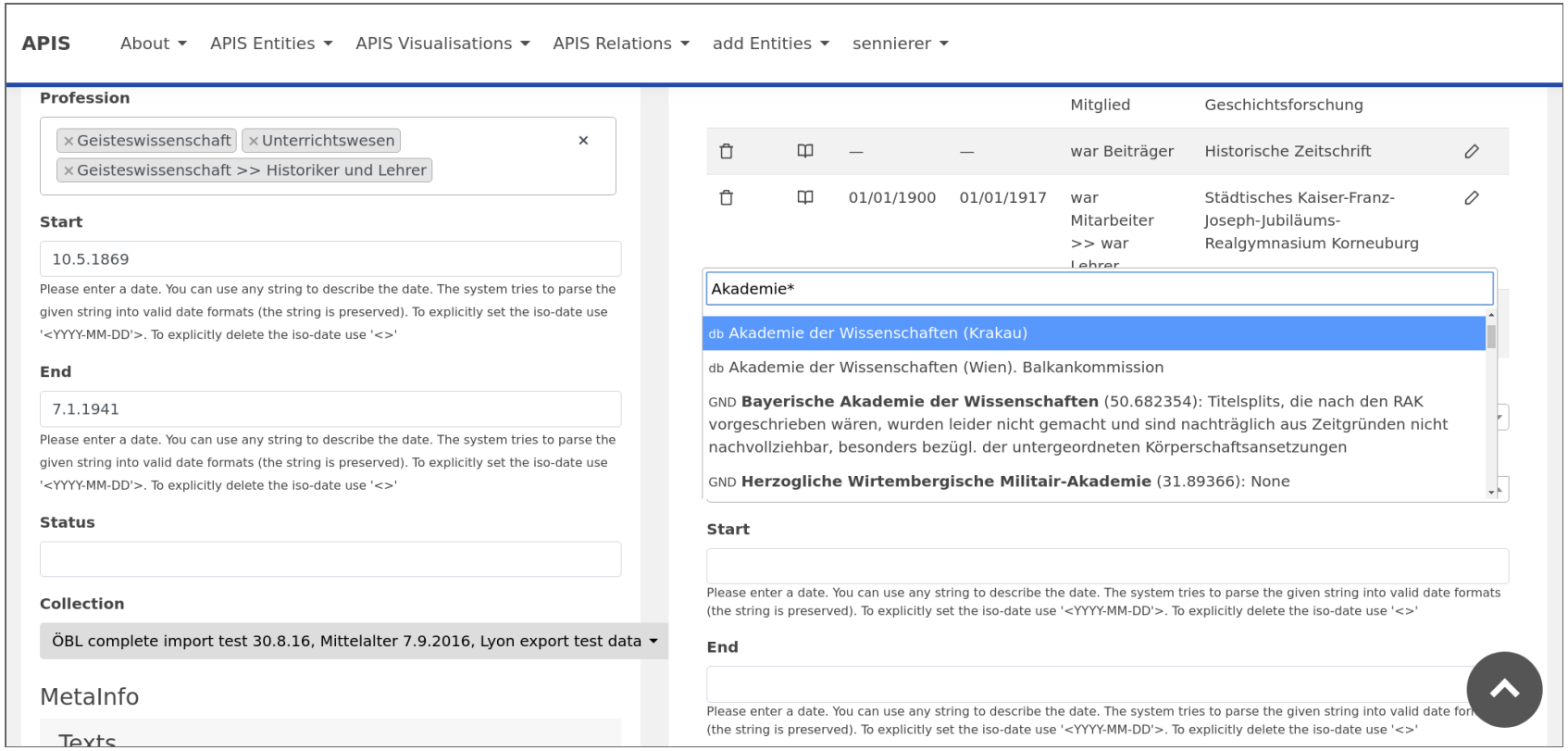
Tool

- list views for entities and relations
- detail and create views for entities
- autocompletes for entities:
  - query internal and external resources in one autocomplete
  - fetch metadata on save and create new objects
  - GND, Geonames as example reference resources/authority files
- annotation of full texts:
  - offset annotations
  - stored in projects >> multiple annotations possible

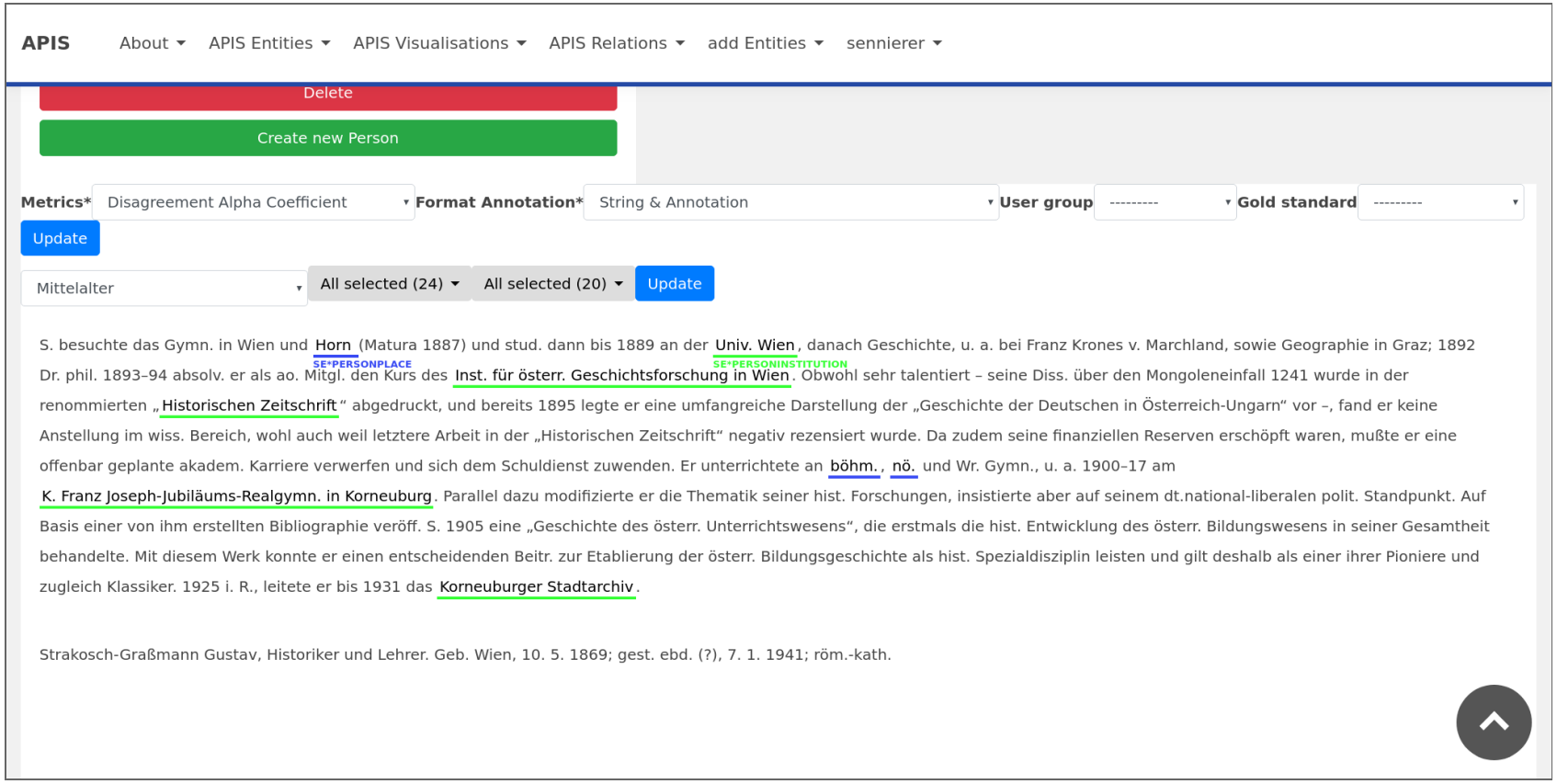
ENTITY EDIT VIEW



AUTOCOMPLETES TO REFERENCE RESOURCES (E.G. GND)



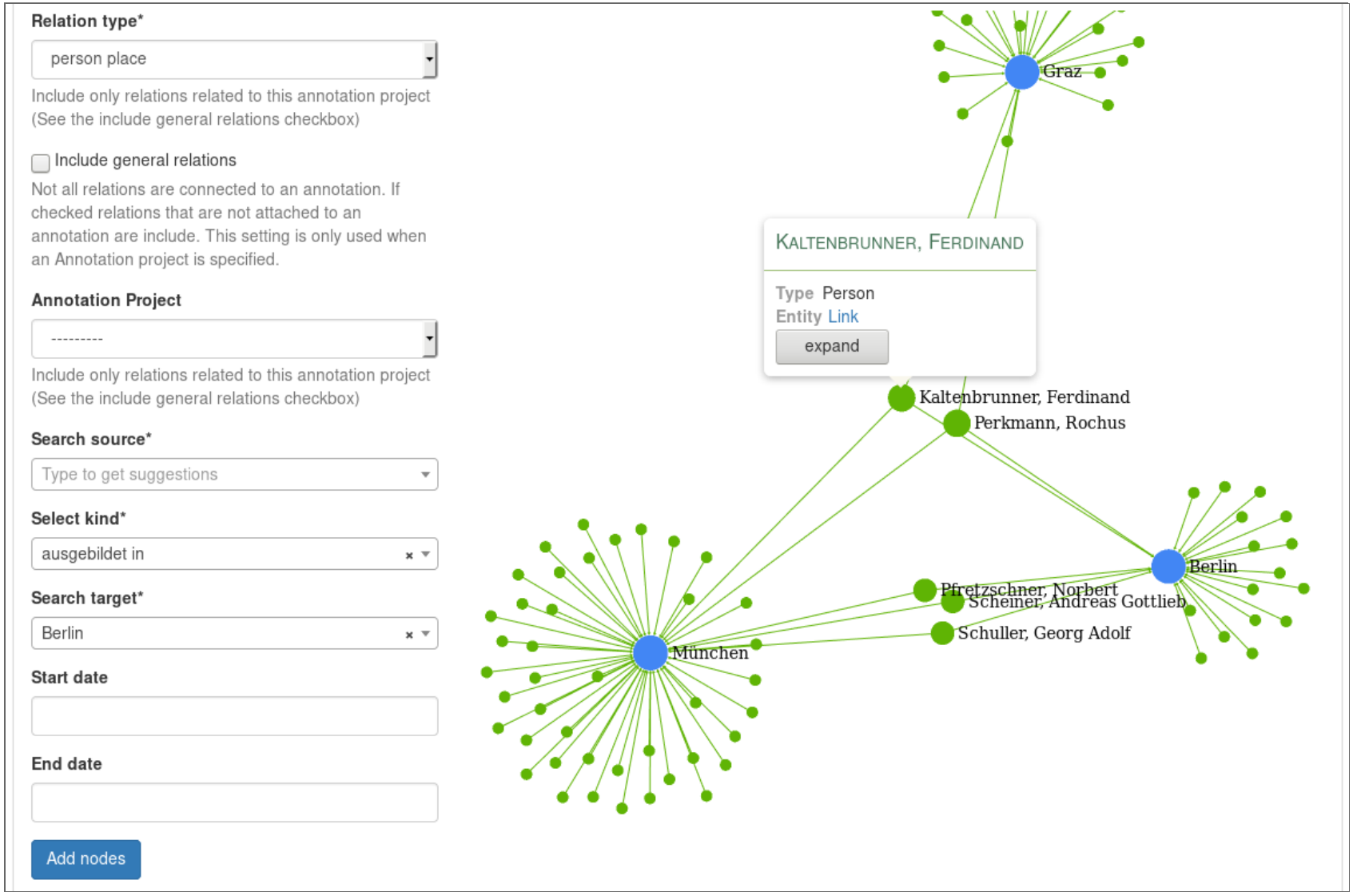
ANNOTATION


APIS
About
APIS Entities
APIS Visualisations
APIS Relations
add Entities
sennierer
Delete
Create new Person
Metrics*
Disagreement Alpha Coefficient
Format Annotation*
String & Annotation
User group

Gold standard

Update
Mittelalter
All selected (24)
All selected (20)
Update
S. besuchte das Gymn. in Wien und Horn (Matura 1887) und stud. dann bis 1889 an der Univ. Wien, danach Geschichte, u. a. bei Franz Krones v. Marchland, sowie Geographie in Graz; 1892 Dr. phil. 1893–94 absolv. er als ao. Mitgl. den Kurs des Inst. für österr. Geschichtsforschung in Wien. Obwohl sehr talentiert – seine Diss. über den Mongoleneinfall 1241 wurde in der renommierten „Historischen Zeitschrift“ abgedruckt, und bereits 1895 legte er eine umfangreiche Darstellung der „Geschichte der Deutschen in Österreich-Ungarn“ vor –, fand er keine Anstellung im wiss. Bereich, wohl auch weil letztere Arbeit in der „Historischen Zeitschrift“ negativ rezensiert wurde. Da zudem seine finanziellen Reserven erschöpft waren, mußte er eine offenbar geplante akadem. Karriere verwerfen und sich dem Schuldienst zuwenden. Er unterrichtete an böhm., nö. und Wr. Gymn., u. a. 1900–17 am K. Franz Joseph-Jubiläums-Realgymn. in Korneuburg. Parallel dazu modifizierte er die Thematik seiner hist. Forschungen, insistierte aber auf seinem dt.national-liberalen polit. Standpunkt. Auf Basis einer von ihm erstellten Bibliographie veröff. S. 1905 eine „Geschichte des österr. Unterrichtswesens“, die erstmals die hist. Entwicklung des österr. Bildungswesens in seiner Gesamtheit behandelte. Mit diesem Werk konnte er einen entscheidenden Beitr. zur Etablierung der österr. Bildungsgeschichte als hist. Spezialdisziplin leisten und gilt deshalb als einer ihrer Pioniere und zugleich Klassiker. 1925 i. R., leitete er bis 1931 das Korneuburger Stadtarchiv.
SE*PERSONPLACE
SE*PERSONINSTITUTION
Strakosch-Graßmann Gustav, Historiker und Lehrer. Geb. Wien, 10. 5. 1869; gest. ebd. (?), 7. 1. 1941; röm.-kath.

NETWORK VISUALIZATION



more projects

- **PMB** Personen der Moderne Basis – collects entities from Schnitzler [Briefe | Tagebuch |...], Kraus and other ~1900 ~Vienna projects
- PAAS Prosopography of the Members of the Austrian Academy of Sciences 1847–2022
- MPR Entities mentioned in the *Minutes of the Council of the Ministers of Austria and of the Austro-Hungarian Monarchy* (1848–1918)
- and more **https://apis-hub.acdh-dev.oeaw.ac.at/**

IMPORT WORKFLOW

NLP TRAINING WORKFLOW

NLP PIPELINE

CIDOC CRM

- Conceptual Reference Model of the International Committee for Documentation
- ISO standard for the controlled exchange of cultural heritage information
- The CRM is a document defining classes in scope notes rather than an implementation (in eg RDF)
- two main implementations:
  - the RDFS implementation created by Forth in Crete and published on the CIDOC CRM website
  - Erlangen CRM: Implementation in OWL, used in WissKI
- event centered high level ontology

Shortcomings of CIDOC CRM

- No versioning for the "official versions" published on the CIDOC CRM website >> every class resolves to version 5.0.4
- Not all extensions compatible with Erlangen CRM
- no native possibility to add simple attributes >> BioCRM unary role
- fairly complex RDFs (eg 5 nodes + edges for modelling a birth event)

Still to come

- Import of the rest of the data
- (Semi)automatic scripts for deduplication
- Modelling of provenance
- custom template including visualizations (e.g tree of the offices at the court)
- publication of the data in various formats: Json, TEI, RDF (CIDOC CRM)

Thank You!

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