

OpenAtlas A Database System for the Humanities and Beyond

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Alexander Watzinger (Alex)

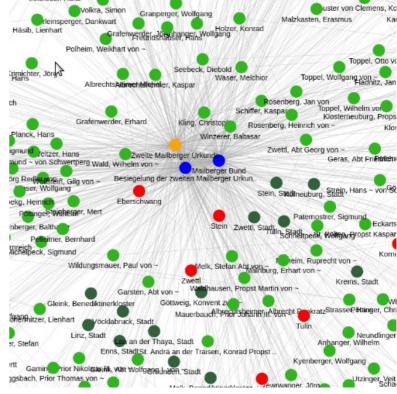


- Lead developer of OpenAtlas
- Works at the ACDH-CH, an institute of the Austrian Academy of Sciences
- Loves open source and scientific projects

About OpenAtlas

https://openatlas.eu

- Open source, browser based database software
- Initiated about 10 years ago by Stefan Eichert
- Acquire, edit and manage research data
- CIDOC CRM as model
- Mainly developed at the ACDH-CH



https://demo.openatlas.eu/overview/network/

OpenAtlas Mission Statement

https://openatlas.eu/mission

- Open: open source, open data
- Transparent: public development, documentation, roadmap, meeting minutes, ...
- High-Quality: standards, tested, check functions, ...
- Interoperable: CIDOC CRM, FAIR, API, Arche, ...
- Usable: focus on usability, configurable, multi-lang, ...

OpenAtlas Cooperations

Projects from all fields of the humanities

- Historical, archaeological and prosoprographic projects
- A lot of synergies between the cooperations

















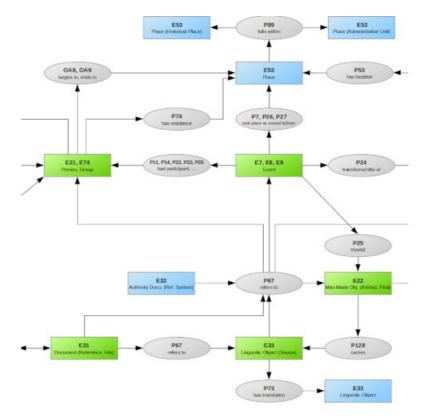




Model

CIDOC Conceptual Reference Model

- International standard (ISO)
- Developed by CIDOC CRM Special Interest Group
- Specifies classes for entities like actor, source, event, place and rules how to link them
- Stored in an object oriented network

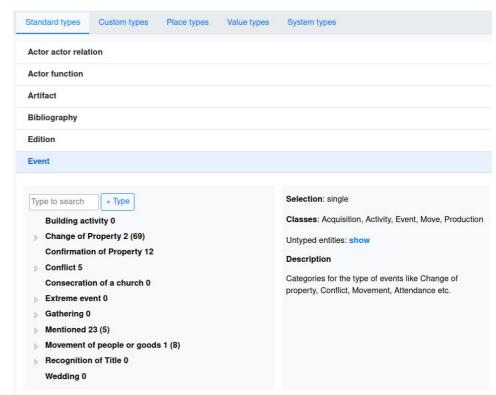


https://demo.openatlas.eu/overview/model

Project Data

Data enrichment with types and links

- Standard types
- Custom types
- Value types
- Linked open data
 - Wikidata
 - GeoNames
 - Custom, e.g. Viaf, GND

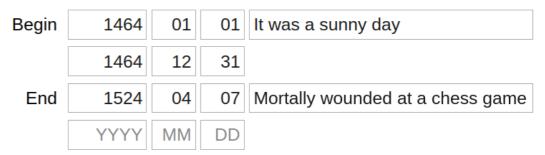


https://demo-dev.openatlas.eu/type

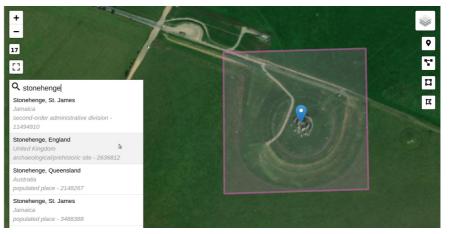
Uncertainty

Solutions and Implementation in OpenAtlas

- Time
 - Begin and end date
 - Both can be a time span
 - If uncertain, chose a wide enough time span to be certain it's within
- Place
 - Point
 - Line
 - Polygon: exact
 - Polygon: uncertain, but big enough to be certain that the location is inside
 - All above can be combined



https://demo.openatlas.eu/insert/person



https://demo.openatlas.eu/insert/place

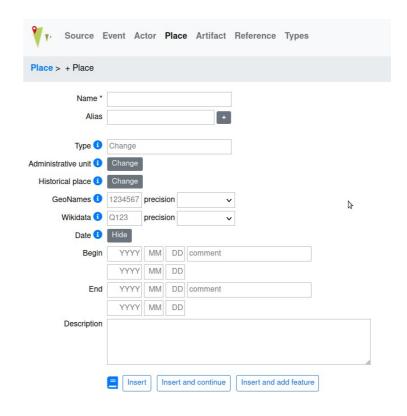
Bernhard Koschiček-Krombholz

- Studied
 - Computer Science at Applied University Technikum Vienna
 - History at University of Vienna
- OpenAtlas Responsibilities
 - API
 - Backend development
 - Server administration

Live Demonstration

At https://demo.openatlas.eu

- Acquiring data
- Customizable types
- Adding spatial data
- External references
- Dealing with uncertainty in space and time
- and a lot more ...



Short fictive story of ...

- Leopold Müller
 - Born in Graz between 1870 and 1873
 - Child of Franziska Müller and Franz Müller
 - Moved on 04.06.1901 to Rabensteig 3 in Vienna
 - On 12.10.1901 began to write a diary which is preserved and the texts are available in an edition
 - Entry on 04.02.1902 says: "Wien am 04.02.1902,
 Heute ist das erste Mal Schnee gefallen."

Thank you for listening



https://openatlas.eu