



OpenAtlas

A Database System for the Humanities and Beyond

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OpenAtlas – Alexander Watzinger (Alex)



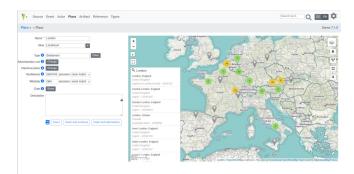
INDIGO workshop 2021

- Lead developer of OpenAtlas
- Since 2017 at the ACDH-CH
- Loves open source and scientific projects



About OpenAtlas

- Project website: https://openatlas.eu
- Initiated about 10 years ago by Stefan Eichert
- Mainly developed at the ACDH-CH
- Open source, browser based database software
- Acquire, edit and manage research data



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OpenAtlas Collaborations

- With projects from all fields of the humanities
- Mostly historical, archaeological and prosopographic projects
- A lot of synergies between the projects

















OpenAtlas Team



Stefan Eichert Idea, Concept and Data Modelling stefan.eichert@nhm-wien.ac.at

Stefan is the the initiator and master mind behind the OpenAtlas project. His main research fields are Early Medieval archaeology and history as well as computer applications in archaeology and digital humanities.



Lead Developer and Concept alexander.watzinger@oeaw.ac.at

Alexander Watzinger

Alex is the lead developer of OpenAtlas and has a special interest in data modeling and scientific web applications. His favorite tools are Python, PostgreSQL, Linux and open source software in general.



Bernhard Koschiček-Krombholz

Software Development, API bernhard.koschicek-krombholz@oeaw.ac.at

Bernhard is currently developing our API and studies Computer Sciences as well as History. His research interests include computer security, Python, digital preservation, historical geography, GIS, medieval and military history.



Nina Richards Bioarchaeological Expertise nina.richards@oeaw.vc.at

Nina is an archaeologist and anthropologist, with a focus on Early Medieval burial grounds. With her expertise she provides essential support planning and implementing archeological, anthropological and scientific modules in OpenAtlas.



Frontend Development

andreas.olschnoegger@oeaw.ac.at

Andreas Olschnögger

Andi is a frontend developer and studies computer science at the Technical University of Vienna. He mainly develops with VueJs and is also interested in UX design to make technology more accessible.



CC-BY 4.0. Moritz Großfurtner

Moritz "Mocca" Großfurtner Frontend Development moritz.großfurtner@oeaw.ac.at

Mocca is a frontend developer for OpenAtlas. He's currently studying computer science at the TU Vienna and interested in design that is useful and fun to use, be that software or real life objects.



Veronika Gründhammer

Project Administration

veronika.gruendhammer@oeaw.ac.at

Veronika provides essential support for cooperations in her role as project officer at the ACDH-CH.



Logo Design and Design Consulting buero@ianbelik.com

Jan is a freelance graphic designer, illustrator and art director at janbelik.com in Vienna, Austria. He has plenty of experience working with local as well as international brands and has created a range of OpenAtlas project logos.

Contributors

These people supported us in many different ways. Our thanks goes to all of them.

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Saranya Balasubramanian

Sebastian Maistorovic

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Seta Štuhec

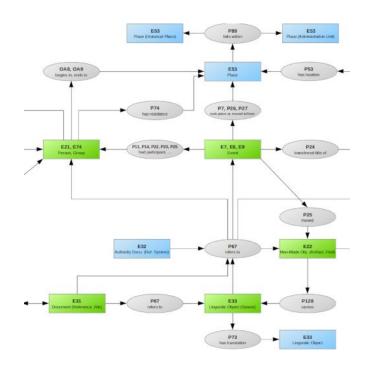
Silvia Gómez-Senovilla

Stefan Probst



Model - CIDOC Conceptual Reference Model

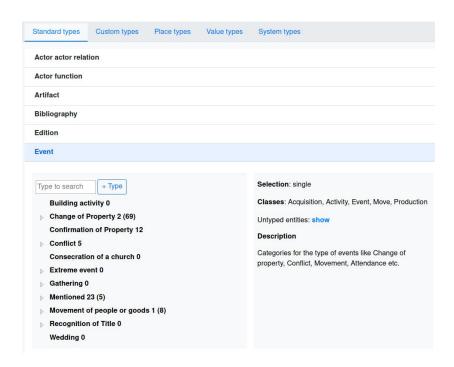
- International standard (ISO)
- Developed by CIDOC CRM Special Interest Group
- Specifies classes for entities like actor, source, event, place and rules how to link them
- Stored in an object oriented network





Data enrichment with types and linked open data

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





OpenAtlas Development

- Solely open source technology
- One release about every month
- Close cooperation with users
- High quality
 - Coding standards
 - Tests and coverage
 - Bugs have the highest priority
 - Tools to test data integrity



Python is an interpreted, high-level, general-purpose programming language.

Website: https://www.python.org

Licence: Python Software Foundation License





Flask is a micro web framework, written in Python, with the ability to scale up to complex applications.

Website: https://palletsprojects.com/p/flask/

Licence: BSD



PostgreSQL is a free and open source relational database management system.

Website: https://www.postgresql.org/ Licence: PostgreSQL License



PostGIS is a spatial database extender for PostgreSQL and adds support for geographic objects.

Website: https://postgis.net Licence: GPL 2 or later



Bootstrap is a free and open source CSS framework.

Website: https://getbootstrap.com/

Licence: MIT



Leaflet is an open source JavaScript library used to build web mapping applications.

Website: https://leafletjs.com/ Licence: BSD-2-Clause



Jinja is a full-featured template engine for Python with full unicode support.

Website: https://palletsprojects.com/p/jinja/

Licence: BSD





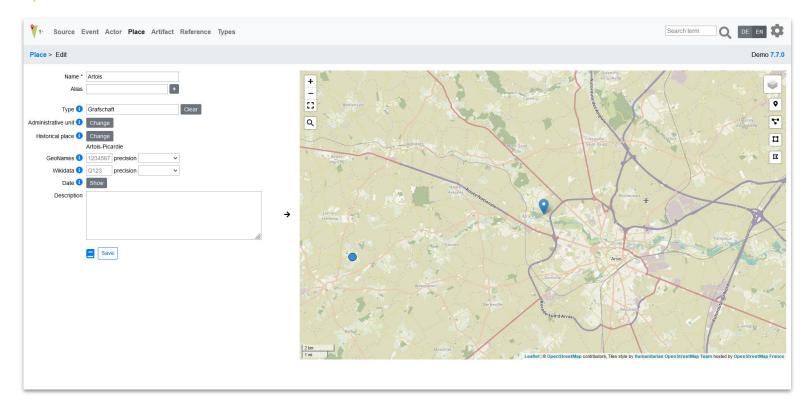
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 Bachelorstudium Software & Information Engineering
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 - since January 2022 Developer for OpenAtlas



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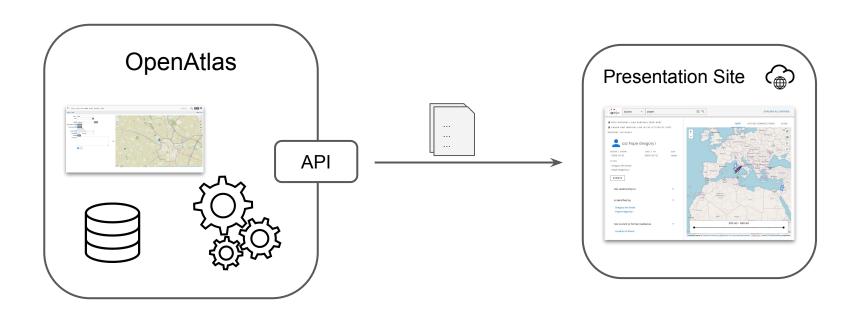
Front End – User Interface for data entry







Front End – Presentation Website





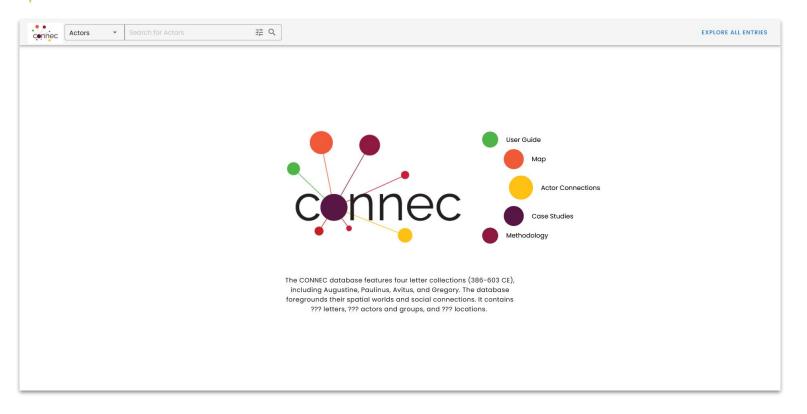
▼ Front End – Presentation Website

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"features": [
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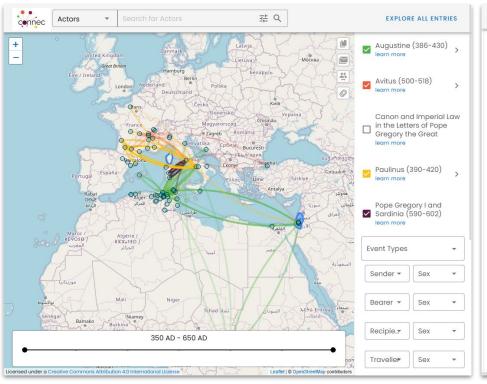
Front End – Connec

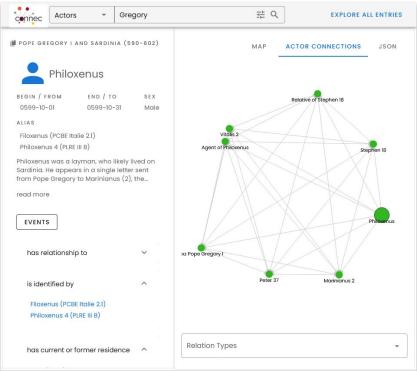






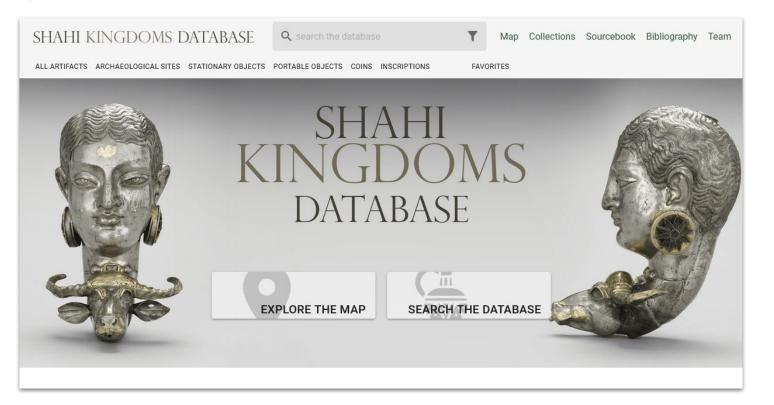
Front End – Connec







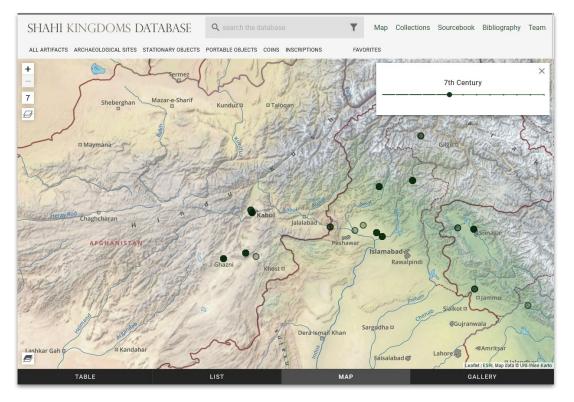
🚺🔻 Front End – Shahi Kingdoms Database

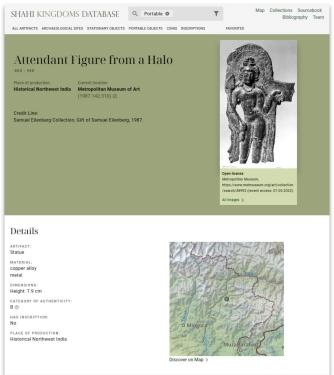






Front End – Shahi Kingdoms Database







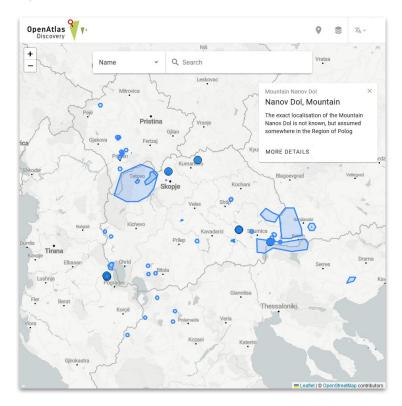
Front End – OpenAtlas Discovery







Front End – OpenAtlas Discovery









Thank you for your kind attention!

OpenAtlas:

Web: https://openatlas.eu

GitHub: https://github.com/craws/OpenAtlas