

OpenAtlas



Alexander Watzinger

OpenAtlas
Discovery



Olivia Reichl

A Database System for the Humanities and Beyond

18th February 2026, How to get our Data into the Computer

OpenAtlas

- Website: <https://openatlas.eu>
- Open source, browser based database software
- Acquire, edit and manage research data
- Based on the model of [CIDOC CRM](#)
- Mainly developed at the [ACDH](#) / [ÖAW](#)
- Financed through cooperations

OpenAtlas Cooperations

- Open data [projects](#) from all fields of the humanities
- Mostly historical and archaeological projects
- A lot of synergy between the cooperations



Features

- User friendly interface for easy data entry
- Developed for scholars not IT or model experts

Place > + Place Demo 9.1.1

Name *

Alias +

Type ⓘ Change

Administrative unit ⓘ Change

Historical place ⓘ Change

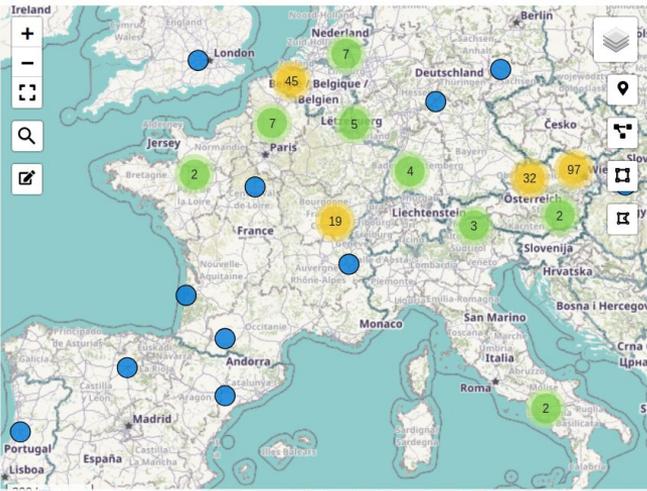
GeoNames ⓘ 1234567 Precision

Wikidata ⓘ Q123 Precision

Date ⓘ Show

Description

>



Leaflet | © OpenStreetMap contributors, Tiles style by Humanitarian OpenStreetMap Team hosted by OpenStreetMap France

Features

- Very adaptable types and reference systems

Dimensions

Type to search

+ Type Edit Delete

- Azimuth 0
- Degrees 2,700
- ▲ Diameter 2,735 (983)
 - Bottom diameter 317
 - Max Diameter 321
 - Min Diameter 85
 - Top Diameter 260
- ▶ Distance 0
- Elevation 801
- ▲ Height 6,336 (150)
 - Height max 75
 - Height min 75
- ▲ Length 8,756 (356)

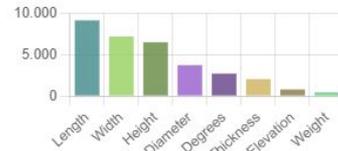
Classes: Artifact, Feature, Place, Stratigraphic unit

Multiple linked entities: [show](#)

Untyped entities: [show](#)

Description

Physical dimensions like weight and height.



+ Reference system

Show 10 entries

Search:

Name	Count	Website URL	Resolver URL	Example ID	Default precision	Description
AMA number	2424				exact match	Fortlaufende ...
Archaeologi...			https://digiar...	C-TX-20220...	exact match	
ArchWort	4	https://archw...	https://archw...	2873	exact match	
English Tra...	83			english name	exact match	EN
GeoNames	798	https://www...	https://www...	1234567	close match	Geographical...
German Tra...	85			Name auf De...	exact match	DE
Getty AAT	327	http://vocab...	http://vocab...	300400630	exact match	The Getty Re...
GND	4	https://gnd.n...	https://d-nb.i...	119338467	exact match	
NHMW Prae...	425			1234	exact match	Inventory Nu...
PeriodO	38	https://perio...	http://n2t.net/...	p0qhb66drd9	exact match	

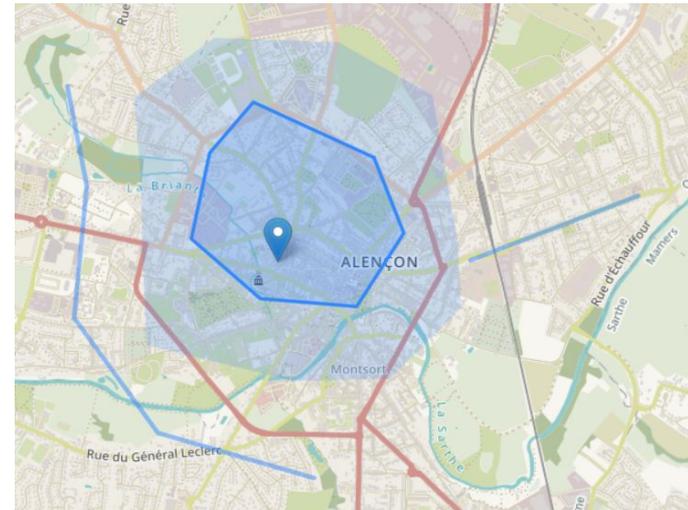
Showing 1 to 10 of 12 entries

Previous 1 2 Next

Features

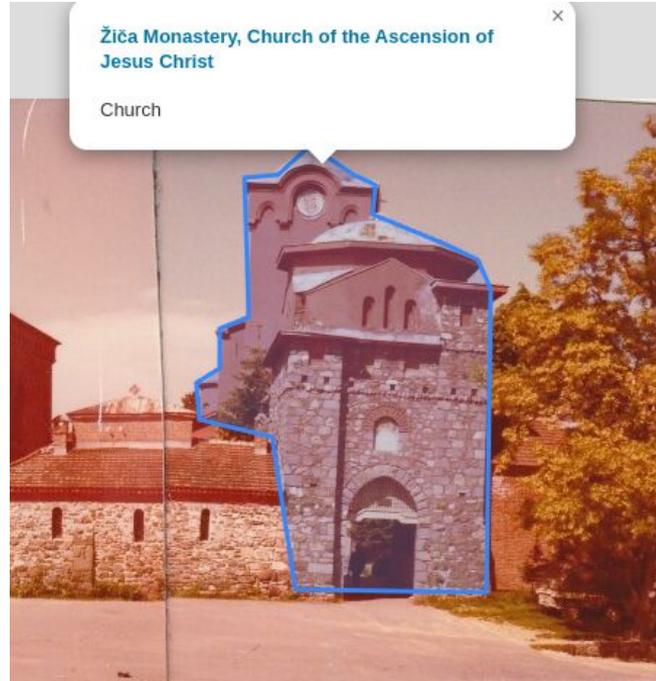
- Solutions for uncertainty in space and time

Begin	1011	01	01	comment
	1020	12	31	
End	1425	08	01	destruction
	1425	10	31	



Features

- Image annotation
- Text annotation
- Archeological features
- Import and export functions
- Data integrity checks
- And a lot [more](#)



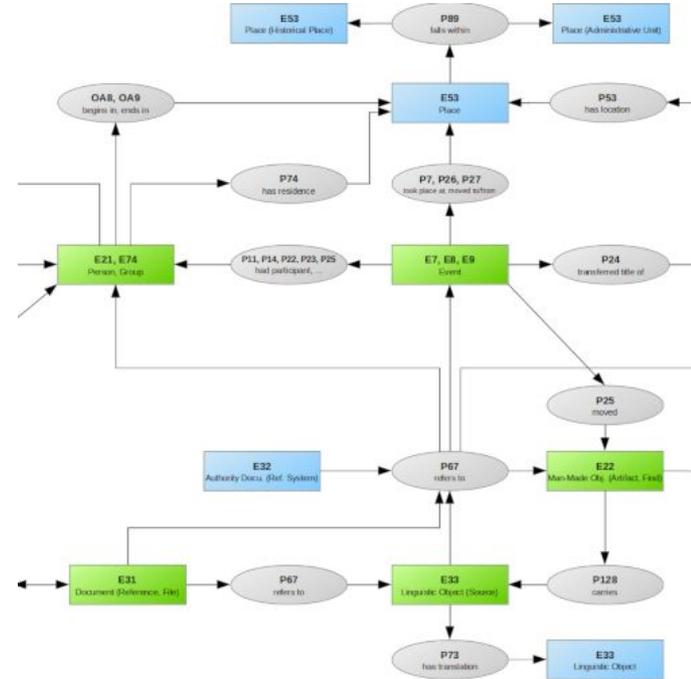
It's all about structuring data

With structured information you can:

- Search
- Compare data
- Merge data
- Answer research questions
- Visualize
- Use data for further analysis

Workflow for structured Data

- Identify entities and their class
- Add attributes
- Link entities -> network
- Enrich data with
 - Files
 - References
 - Linked open data (LOD)



ÖAW

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OpenAtlas Discovery



A Cross-Domain Visualization Platform
for the Digital Humanities

OpenAtlas Discovery

Presentation site for OpenAtlas projects

Demo: <https://frontend-demo.openatlas.eu>

- Version 1.0.0 is now available
- Open source, accessible via [GitHub](#)
- Goal: make project data and results available to a wider audience

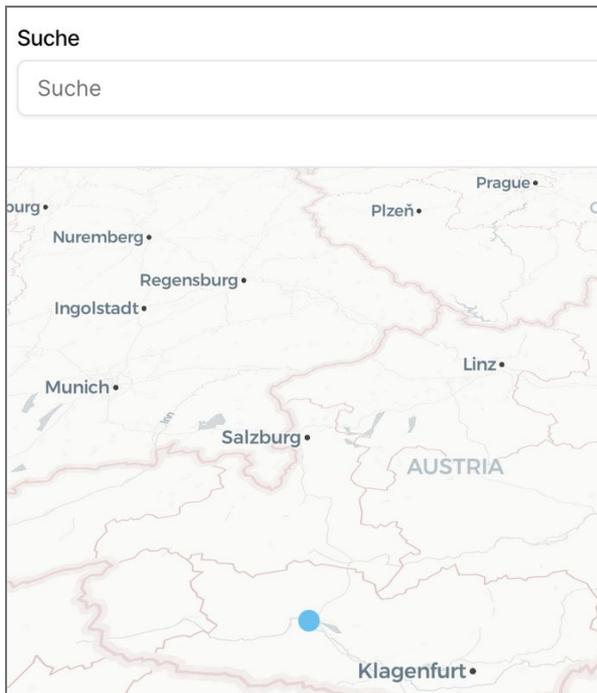
Features

Accessible

Visual

Configurable

2 Parts



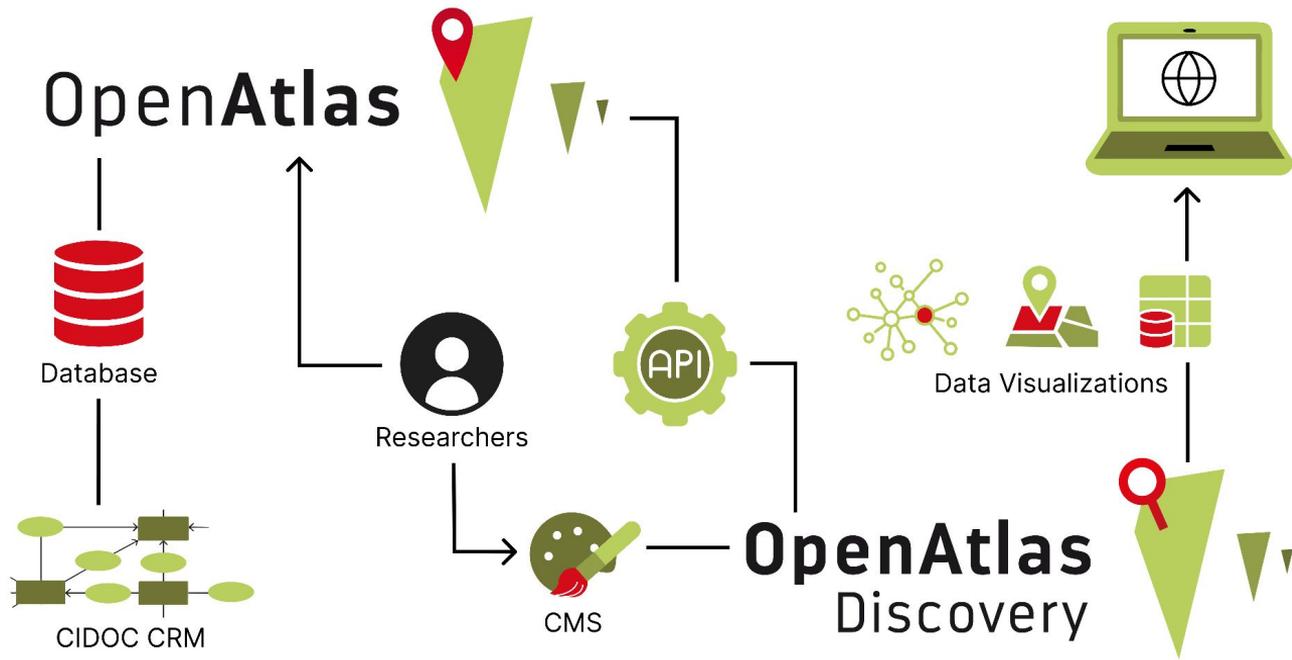
Team

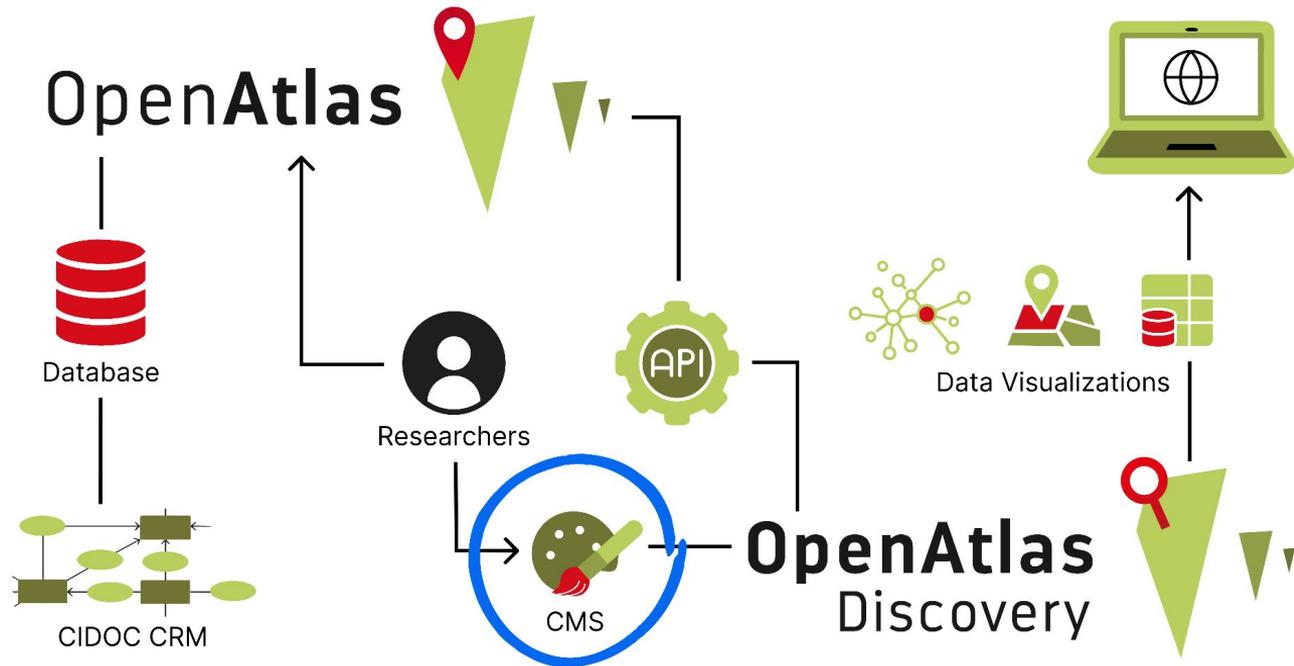
Fugiat duis anim mollit sit nulla do dolore dolor eu reprehenderit proident eu tempor est adipiscing cupidatat adipiscing. Eiusmod aliquip magna dolor non sint eu dolor.

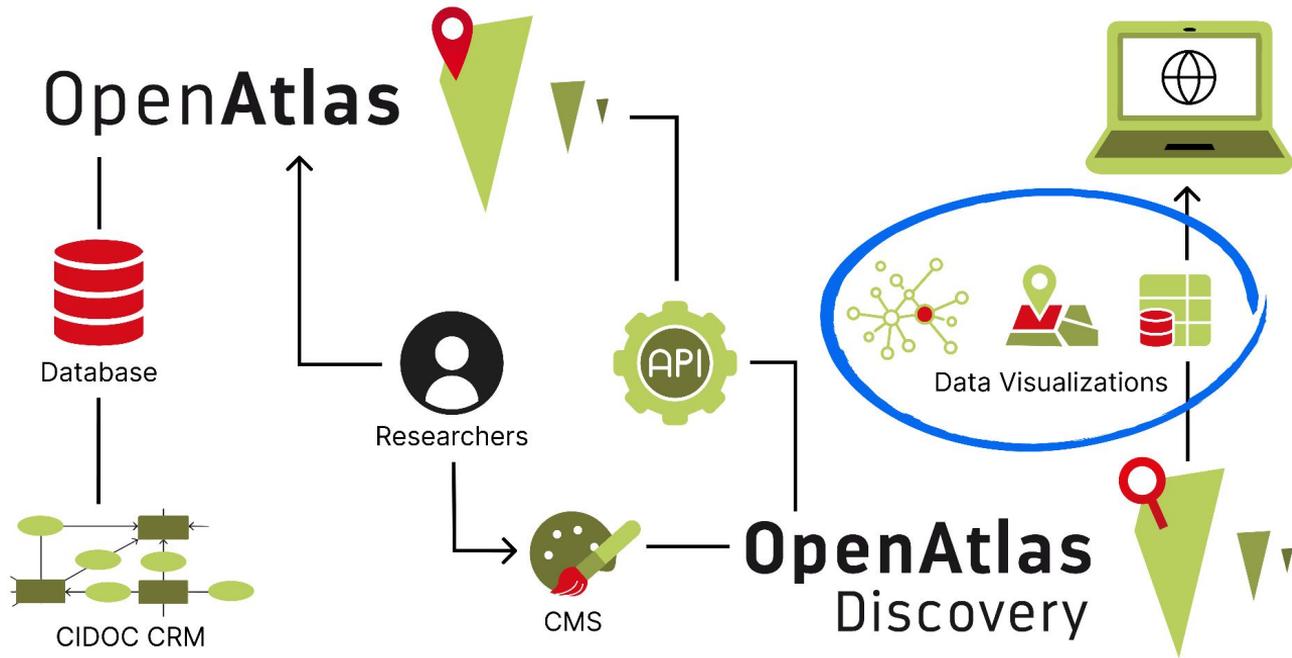


Stefan Eichert

Stefan is the the initiator and master mind behind the OpenAtlas project. His main research fields







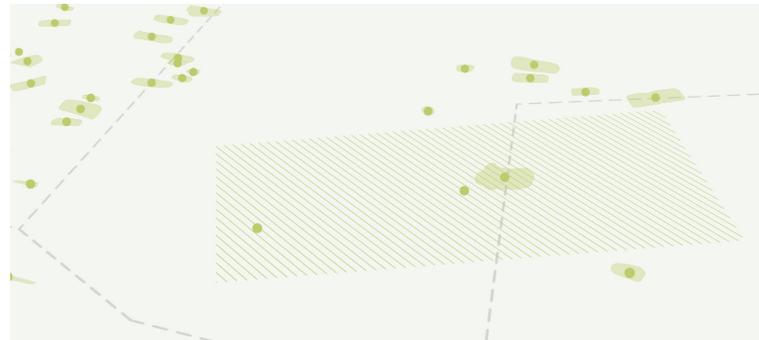
Data Table


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 DE | EN

 Category ▾

Class ↑↓	Name ↑↓	Description	Begin ↑↓	End ↑↓
	Arpadian Age		1/1/890	1/1/1200
	Burial_060	Individual of unknown sex and age. Heavily fragmented human re...	1/1/900	12/31/1100
	Cen_AS1	No burial. Grave pit oriented: approx. E-W respectively W-E. ##G...	1/1/750	12/31/950
	Cen_AS1F01	An iron object of unknown function. Lost without a trace. ##Germ...	1/1/750	12/31/950
	Cenotaph_A	Irregular rectangular grave pit, mostly cut into the rock. Completel...	1/1/750	12/31/950
	Early Middle Ages		1/1/500	1/1/1000
	Eastern Alps Typochronology	Typochronological groups for the material culture of the Eastern A...	1/1/550	1/1/1000
	G001	Elongated, oval shaped grave pit, slightly widened at the lower en...	1/1/900	12/31/1100
	G001_1986S1	Adult female (20-40 years). Oriented: NW-SE (310°). Disturbed. F...	1/1/750	12/31/950
	G001S01	Late adult/early mature male. Oriented: WNW-ESE. Skeleton mostl...	1/1/900	12/31/1100

Map

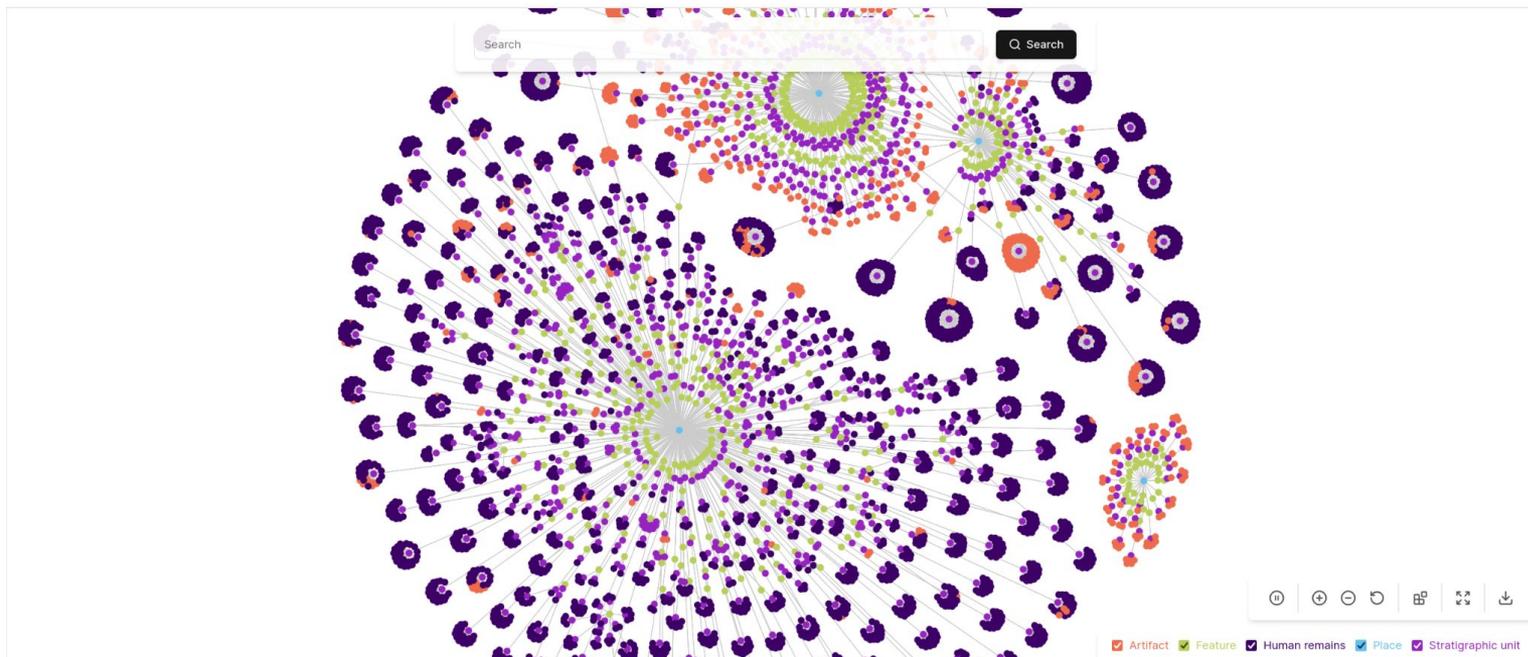


Network



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Live Demonstration

<https://demo.openatlas.eu>

User: Demolina, Password: Demolina

<https://frontend-demo.openatlas.eu>

Presentation Site

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Thank you!

OpenAtlas



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