

# OpenAtlas



Alexander Watzinger



# OpenAtlas Discovery



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## 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

The screenshot shows the 'Place' entry interface with fields for Name, Alias, Type, Administrative unit, Historical place, GeoNames, Wikidata, Date, and Description. To the right is a map of Europe with various locations marked by colored circles (blue, green, yellow) containing numbers indicating data counts. The map includes labels for countries like Ireland, England, France, Germany, Italy, and Spain, along with some smaller regions and cities.

Name \*

Alias

Type ⓘ Change

Administrative unit ⓘ

Historical place ⓘ

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

**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.

Dimension	Value
Length	10.000
Width	~7.000
Height	~6.000
Diameter	~4.000
Degrees	~3.000
Thickness	~2.000
Elevation	~1.000
Weight	~0.500

+ Reference system

Show 10 entries Search:

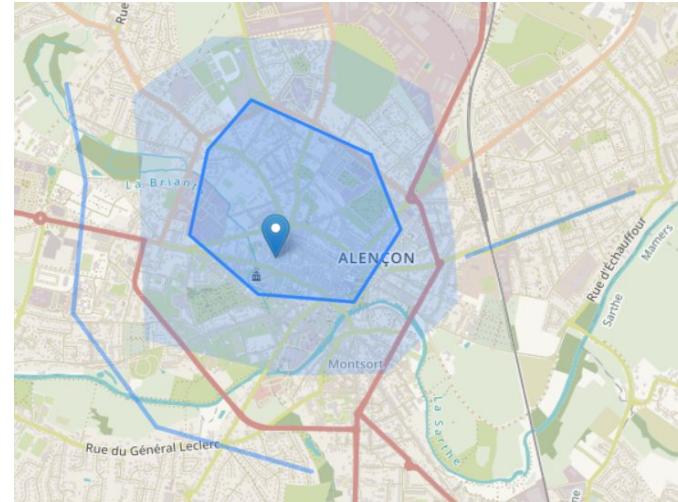
Name	Count	Website URL	Resolver URL	Example ID	Default precision	Description
AMA number	2424				exact match	Fortlaufende ...
Archaeologi...		<a href="https://digitar...">https://digitar...</a>		C-TX-20220...	exact match	
ArchWort	4	<a href="https://archw...">https://archw...</a>	<a href="https://archw...">https://archw...</a>	2873	exact match	
English Tra...	83				english name	exact match
GeoNames	798	<a href="https://www....">https://www....</a>	<a href="https://www....">https://www....</a>	1234567	close match	Geographical...
German Tra...	85				Name auf De...	exact match
Getty AAT	327	<a href="http://vocab....">http://vocab....</a>	<a href="http://vocab....">http://vocab....</a>	300400650	exact match	The Getty Re...
GND	4	<a href="https://gnd.n...">https://gnd.n...</a>	<a href="https://d-nb.i...">https://d-nb.i...</a>	119338467	exact match	
NHMW Prae...	425			1234	exact match	Inventory Nu...
PeriodO	38	<a href="https://perio....">https://perio....</a>	<a href="http://n2t.net/...">http://n2t.net/...</a>	p0qhb66drd9	exact match	

Showing 1 to 10 of 12 entries

# Features

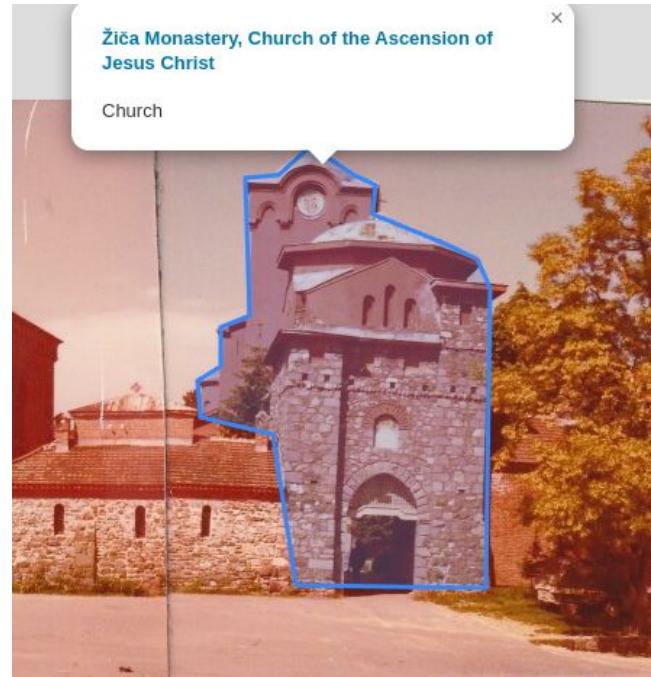
- Solutions for uncertainty in space and time

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](#)



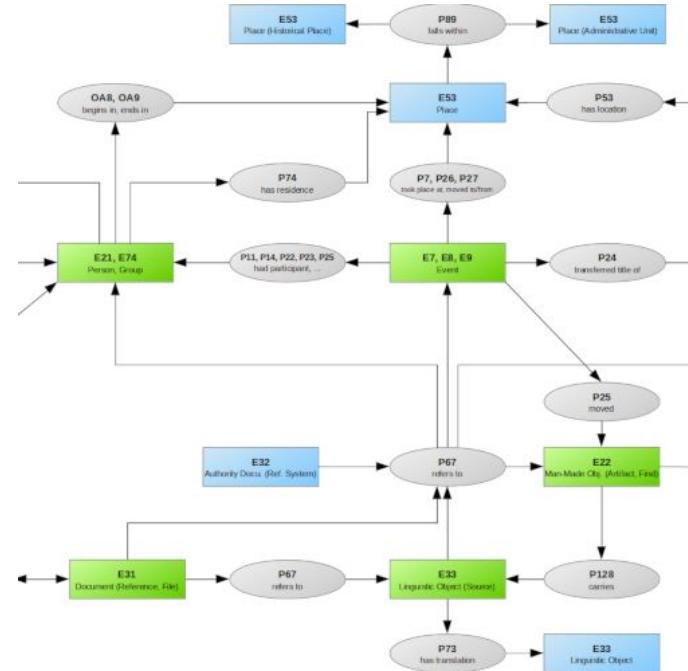
# It's all about structuring data

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)





# 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

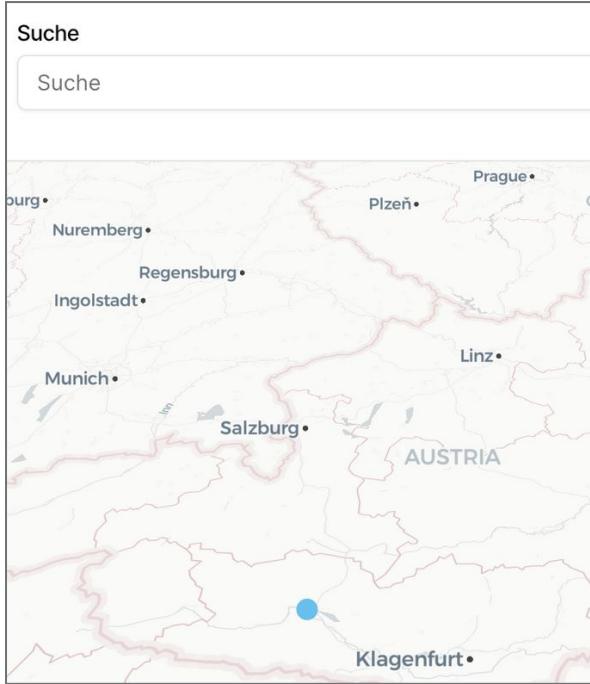
# Features

**Accessible**

**Visual**

**Configurable**

## 2 Parts



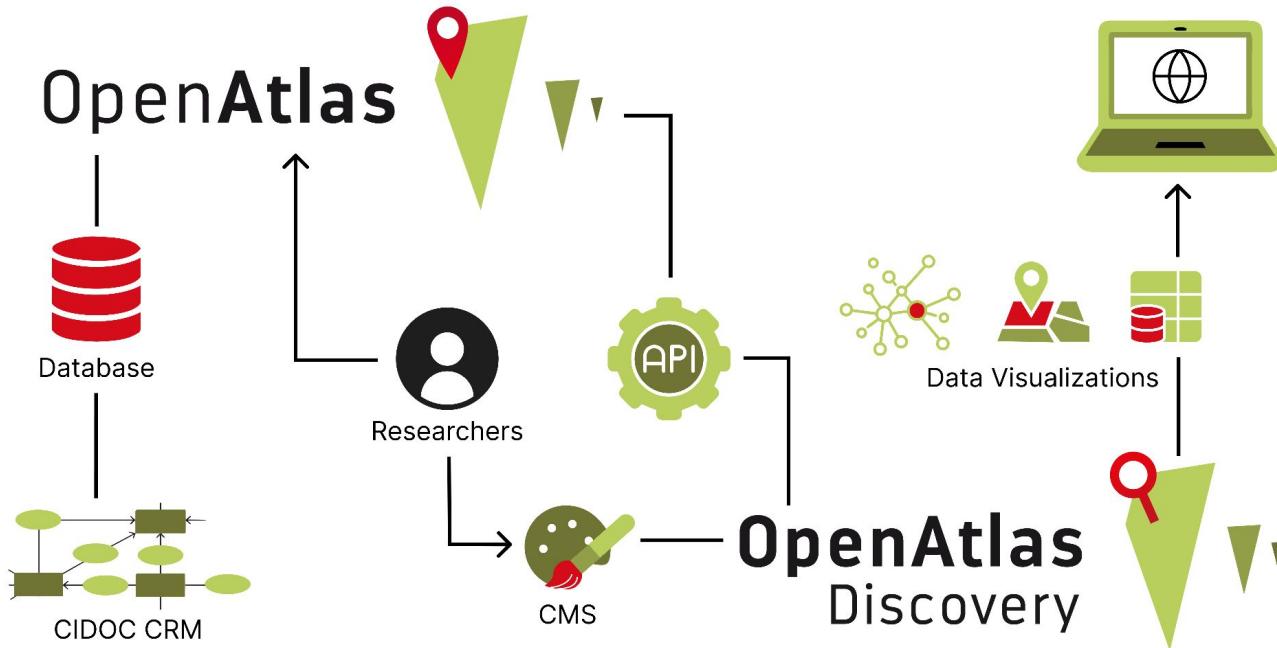
## Team

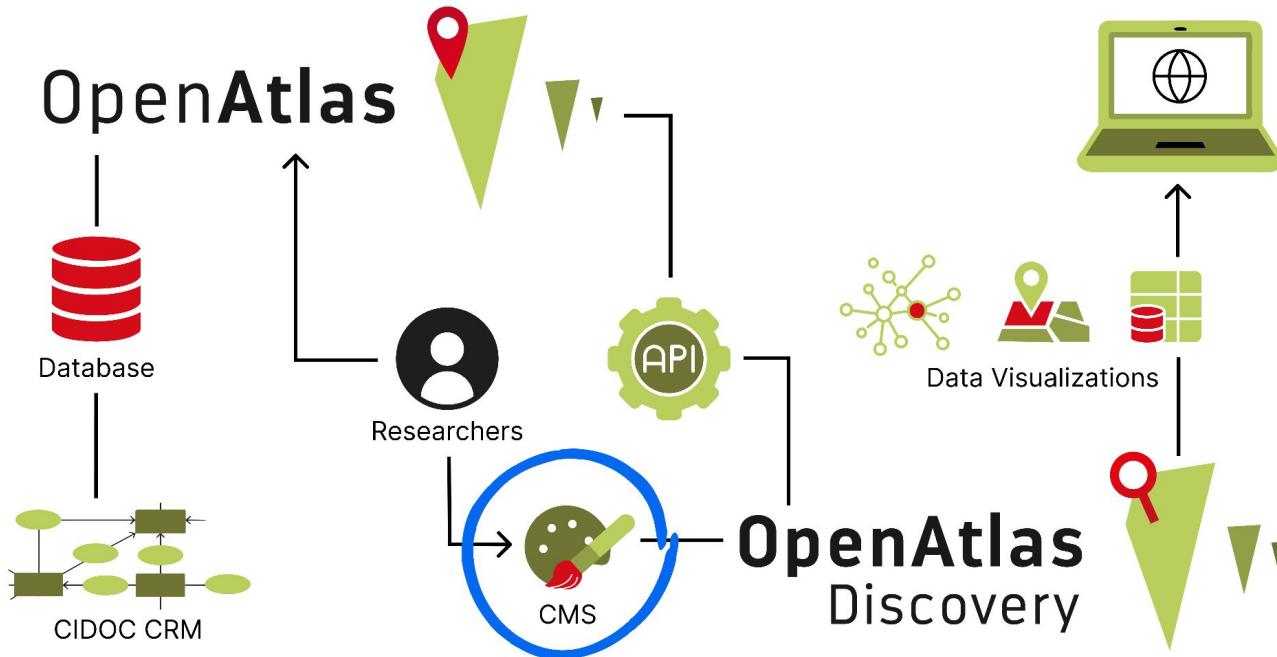
Fugiat quis anim mollit sit nulla do dolore dolor eu  
reprehenderit proident eu tempor est adipisicing  
cupidatat adipisicing. Eiusmod aliquip magna dol  
non sint eu dolor.

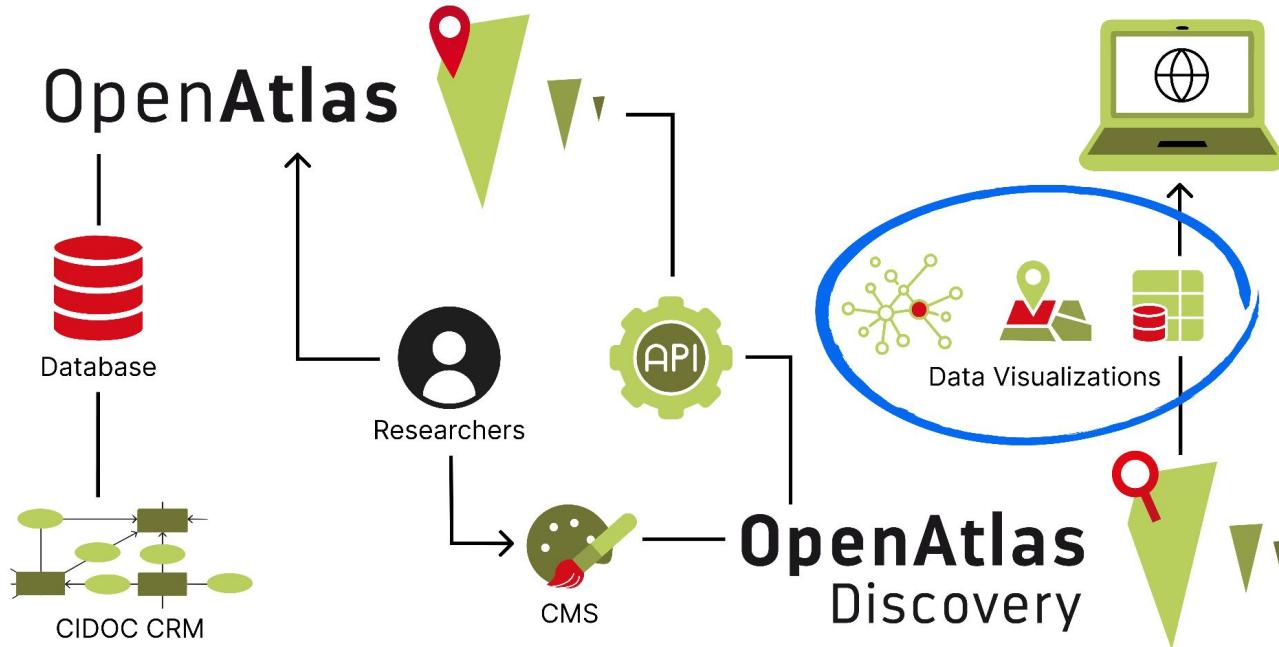


**Stefan Eichert**

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







# Data Table


[Home](#) [Map](#) [Network](#) [Data](#) [Team](#) [About the project](#)

DE | EN

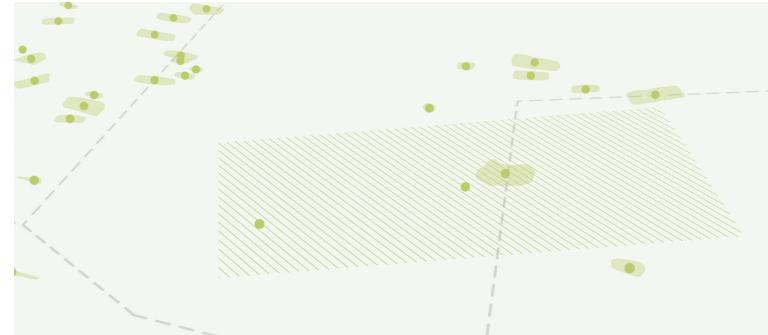
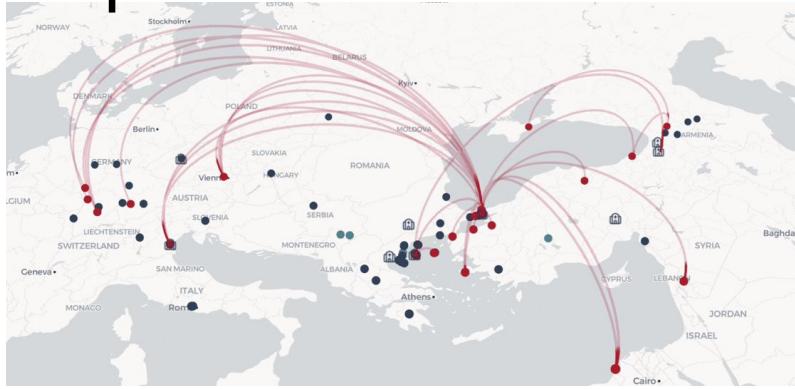
[Category](#)

[Search](#)

Search

Class ↑↓	Name ↑↓	Description	Begin ↑↓	End ↑↓
🕒	<a href="#">Arpadian Age</a>		1/1/890	1/1/1200
🕒	<a href="#">Burial 060</a>	Individual of unknown sex and age. Heavily fragmented human re...	1/1/900	12/31/1100
🕒	<a href="#">Cen_AS1</a>	No burial. Grave pit oriented: approx. E-W respectively W-E. ##G...	1/1/750	12/31/950
💸	<a href="#">Cen_AS1F01</a>	An iron object of unknown function. Lost without a trace. ##Germ...	1/1/750	12/31/950
❖	<a href="#">Cenotaph_A</a>	Irregular rectangular grave pit, mostly cut into the rock. Completel...	1/1/750	12/31/950
🕒	<a href="#">Early Middle Ages</a>		1/1/500	1/1/1000
🕒	<a href="#">Eastern Alps Typochronology</a>	Typochronological groups for the material culture of the Eastern A...	1/1/550	1/1/1000
❖	<a href="#">G001</a>	Elongated, oval shaped grave pit, slightly widened at the lower en...	1/1/900	12/31/1100
🕒	<a href="#">G001_1986S1</a>	Adult female (20-40 years). Oriented: NW-SE (310°). Disturbed. F...	1/1/750	12/31/950
🕒	<a href="#">G001S01</a>	Late adult/early mature male. Oriented: WNW-ESE. Skeleton mostl...	1/1/900	12/31/1100

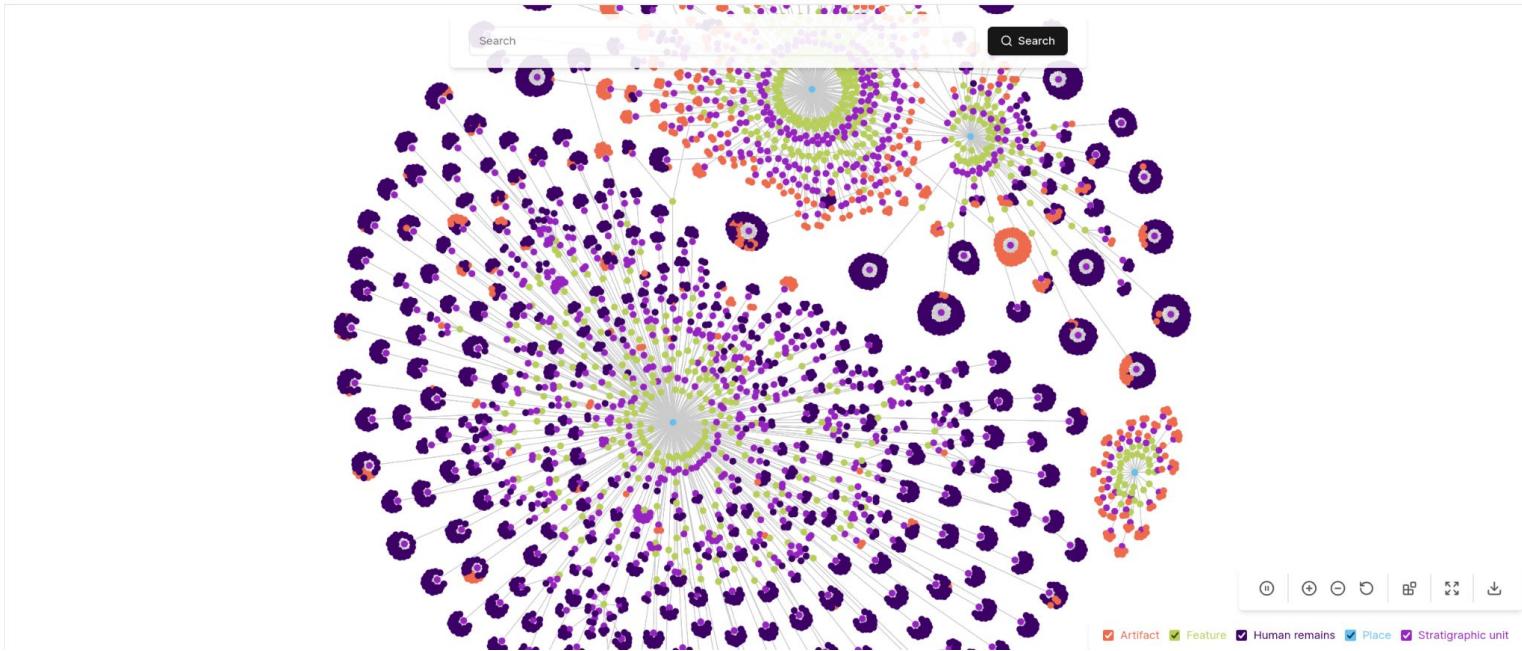
# Map



# Network

[Home](#) [Map](#) [Network](#) [Data](#) [Team](#) [About the project](#)

DE | EN



# Live Demonstration

<https://demo.openatlas.eu>

User: Demolina, Password: Demolina

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

Presentation Site

Thank you!  
**OpenAtlas**



Logos originate from the respective project pages.

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