

DARIAH Geo-browser: Exploring Data through Time and Space

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One Tree Tool, many Branches

- ▶ Europeana e4d
- ▶ DARIAH Geo-browser
- ▶ GeoTemCo
 - ▶ Stefan Jänicke
 - ▶ github
- ▶ MPIWG GeoTemCo
 - ▶ Sebastian Kruse
 - ▶ github

A Tool for Exploratory Research

- ▶ suitable research context
 - ▶ exploration of datasets
 - ▶ **visualization** / distant reading let emerge patterns within data
- ▶ suitable if
 - ▶ data are in KML format
 - ▶ data have *both* **time** and **space** information attached to them
- ▶ KML allows for export of data from various sources into geo-browser
 - ▶ preparation of data is part of research process
 - ▶ needs to be informed by research questions

Limes :: Places (Gazetteer)

IDA1.gazetteer

Thesaurus

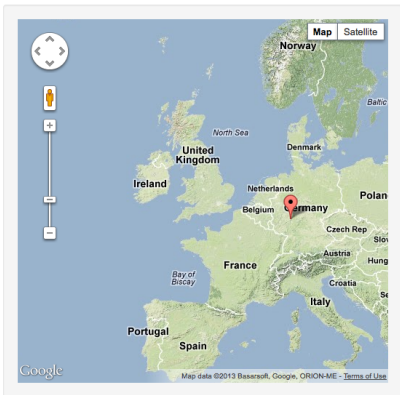
Extended search

Create place

Einfache Suche



Saalburg <http://gazetteer.dainst.org/place/1731717>



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Place information

Names *Preferred name: Saalburg German*
Saalburg
Saalburgmuseum

Tags [Limes](#) [Kastell](#)

Falls within [Hochtaunuskreis](#)

Location *Latitude: 50.27146, Longitude: 8.56672 (Confidence: Exact)*

Contexts [Show linked objects in Arachne](#) [Show linked entries in Zenon](#)

Identifier *arachne-entity: 1204132*
arachne-entity: 1208809
arachne-place: 255
arachne-place: 6724
geonames: 3208114
zenon-systemnr: 000052746
zenon-thesaurus: zTopogEuropMitteDeutsHesseHochtSaalburg

Links *owl:sameAs: <http://arachne.uni-koeln.de/entity/1204132>*
owl:sameAs: <http://arachne.uni-koeln.de/entity/1208809>
owl:sameAs: <http://sws.geonames.org/3208114>

▲ übergeordnet: [Archäologie in Deutschland, 2004,2 \(2004\)](#)

in Merkliste

Allihn, Karen

"Manch Heldenherz ward hier zu Staub".

Impressum:	Stuttgart : Theiss, 2004.
Seiten:	68-71 : Abb.
Medium:	bookResource
Systemnummer:	001252829

Schlagwörter

[Museumskunde/-pädagogik](#) [Saalburgmuseum](#)
[Saalburgmuseum](#) [Saalburg](#)

DAI-Bibliotheken

Madrid	Z 20 / 400
Madrid	Z 20 / 400
RGK	A 631
RGK	A 631
RGK	
Rom	Z Deutsch 927 Mag
Rom	
Athen	XXIV 81
Eurasien-Abteilung	200/24
Istanbul	Zs D 27
KAAK Bonn	Zs IX6 Arch
Madrid	Z 20 / 400
Rom	Z Deutsch 927 Mag
Zentrale Berlin	Z-D/ArchD

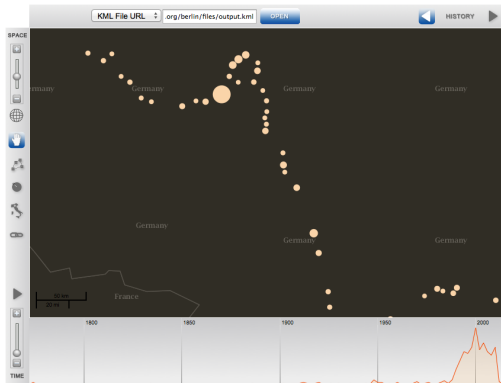
Limes :: Research Questions

- ▶ which publications are related to a given place?
- ▶ what are the most/least studied places?
- ▶ how studies about the Limes developed over time?
- ▶ ...

Mashable Data

- ▶ logic:
 - ▶ get Limes places from Gazetteer (filter by tag)
 - ▶ for each place fetch related publications from Zenon
 - ▶ keep only places having 1 (or more) publications
 - ▶ display publications on map:
 - ▶ space: **Limes place** they related to
 - ▶ time: **publication date**
- ▶ interoperable infrastructure
 - ▶ RESTful APIs / JSON
 - ▶ shared identifiers for
 - ▶ place names
 - ▶ subject headings
- ▶ <https://gist.github.com/mromanello/5168303> (script.py)
- ▶ <https://gist.github.com/mromanello/5168335> (output.kml)

Limes :: Gazetteer & Zenon mashup

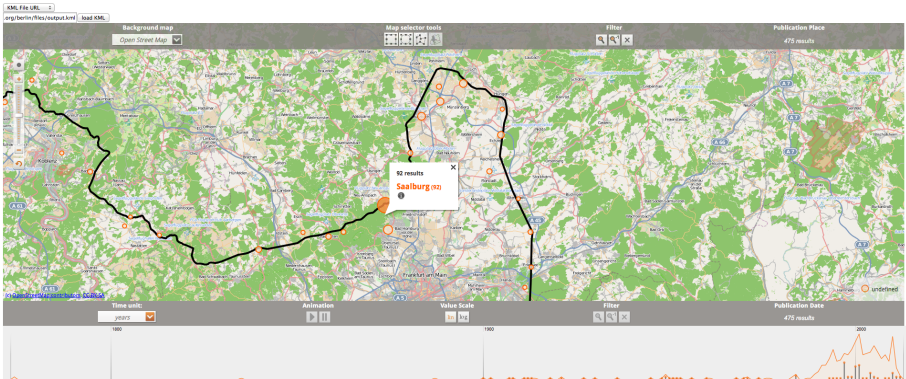


<http://de.digitalclassicist.org/berlin/files/output.kml>

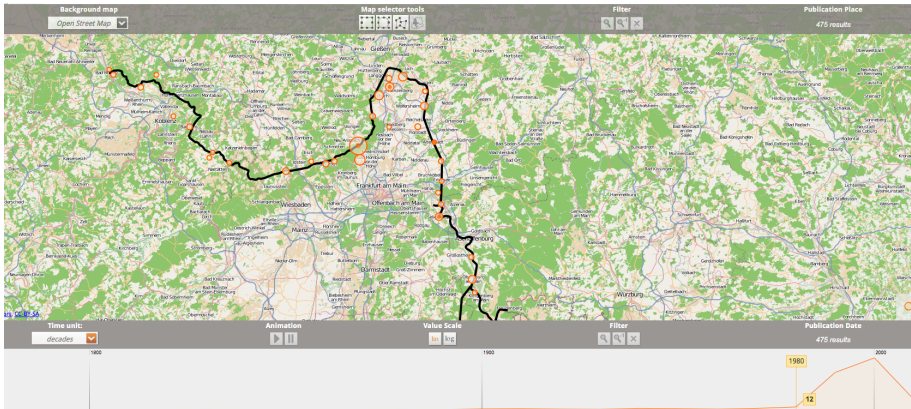
Results 1 - 40 of 475 Page: 1 2 3 4 5 6 7 8 9 10 →

Jagsthausen Jagsthausen 2010 Ade, Dorothee Vom Westend in die Provinz - neue Ausgrabungen im vicus des römischen Jagsthausen.	Jagsthausen Jagsthausen 2007 Becker, Thomas Von zwei Seiten betrachte : Überlegungen zur Limesmauer zwischen Osterburken-...	Jagsthausen Jagsthausen 1993 Krause, Rüdiger Ein zweites römisches Bad und weitere Grabungen im Kastellvicus von	Jagsthausen Jagsthausen 2001 Neth, Andreas Ausgrabungen im römischen Jagsthausen, Kreis Heilbronn: eine archäologische
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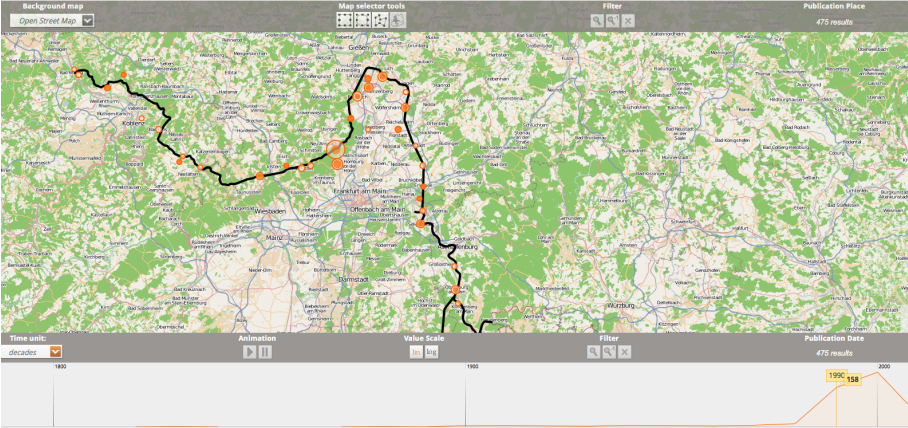
permalink



1980s: 12 publications



1990s: 158 publications



Conclusions

- ▶ exploratory research
 - ▶ visualization not useful in itself. . .
 - ▶ . . . only if it helps us to answer/formulate new research questions
 - ▶ serendipity through data visualization
- ▶ mashable data
 - ▶ variety of formats for import/export
 - ▶ importance of access to data via APIs
 - ▶ use of common/shared identifiers to link resources
- ▶ share
 - ▶ tools
 - ▶ data
 - ▶ process (scripts)