

Linked Data Aggregation

Lessons from the Pelagios Commons

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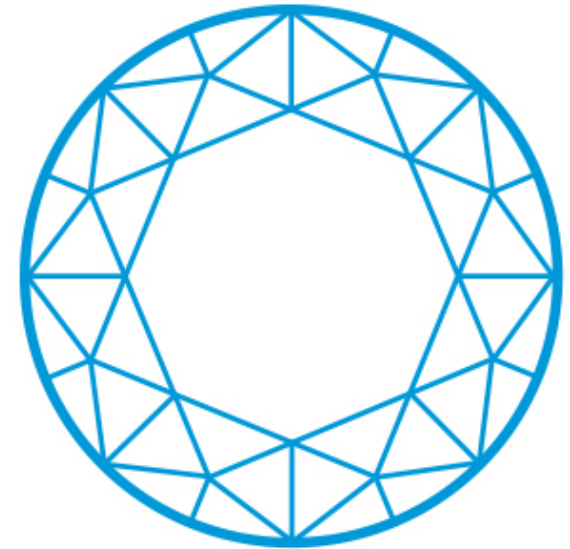
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<http://commons.pelagios.org>

@Pelagiosproject



What is an ecosystem?



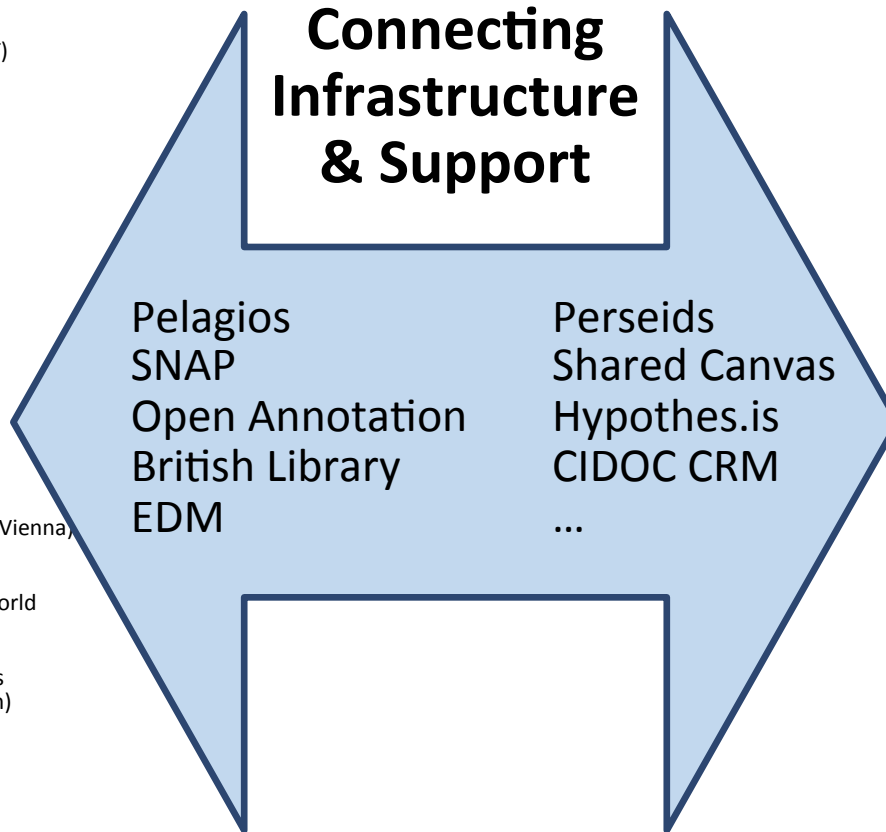


Linked Pasts | An Emerging Ecosystem



Resource Curators

Google Ancient Places (OU, Soton)
Perseus Digital Library (Tufts)
Arachne (Cologne)
SPQR (King's College, London)
Digital Memory Engineering (AIT)
Open Context (UC Berkeley)
CLAROS (Oxford)
PtolemyMachine (Holy Cross)
Ure Museum (Reading)
FastiOnline (AIAC)
Nomisma (ANS)
Regnum Francorum Online
Papyri.info (ISAW/NYU)
Ports Antiques
Oracc (U. Penn.)
Meketre (Vienna)
OCRE (ANS/ISAW)
Squinchpix
ORBIS (Stanford)
MJBC (Cambridge)
ISAW Papers (ISAW)
Totenbuch (Bonn/Cologne)
PAS (The British Museum)
SAWS (KCL/Uppsala/Stockholm/Vienna)
Trismegistos (K. U. Leuven)
AWMC (Chapel Hill)
Encyclopaedia of the Hellenic World
DM Project (Drew)
Ancient History Encyclopedia
Dickinson College Commentaries
Edinburgh Geoparser (Edinburgh)
EDH (Heidelberg)
EAGLE
LGPN (Oxford)
...



Connecting Infrastructure & Support

Pelagios
SNAP
Open Annotation
British Library
EDM

Perseids
Shared Canvas
Hypothes.is
CIDOC CRM
...

Concept Schemes

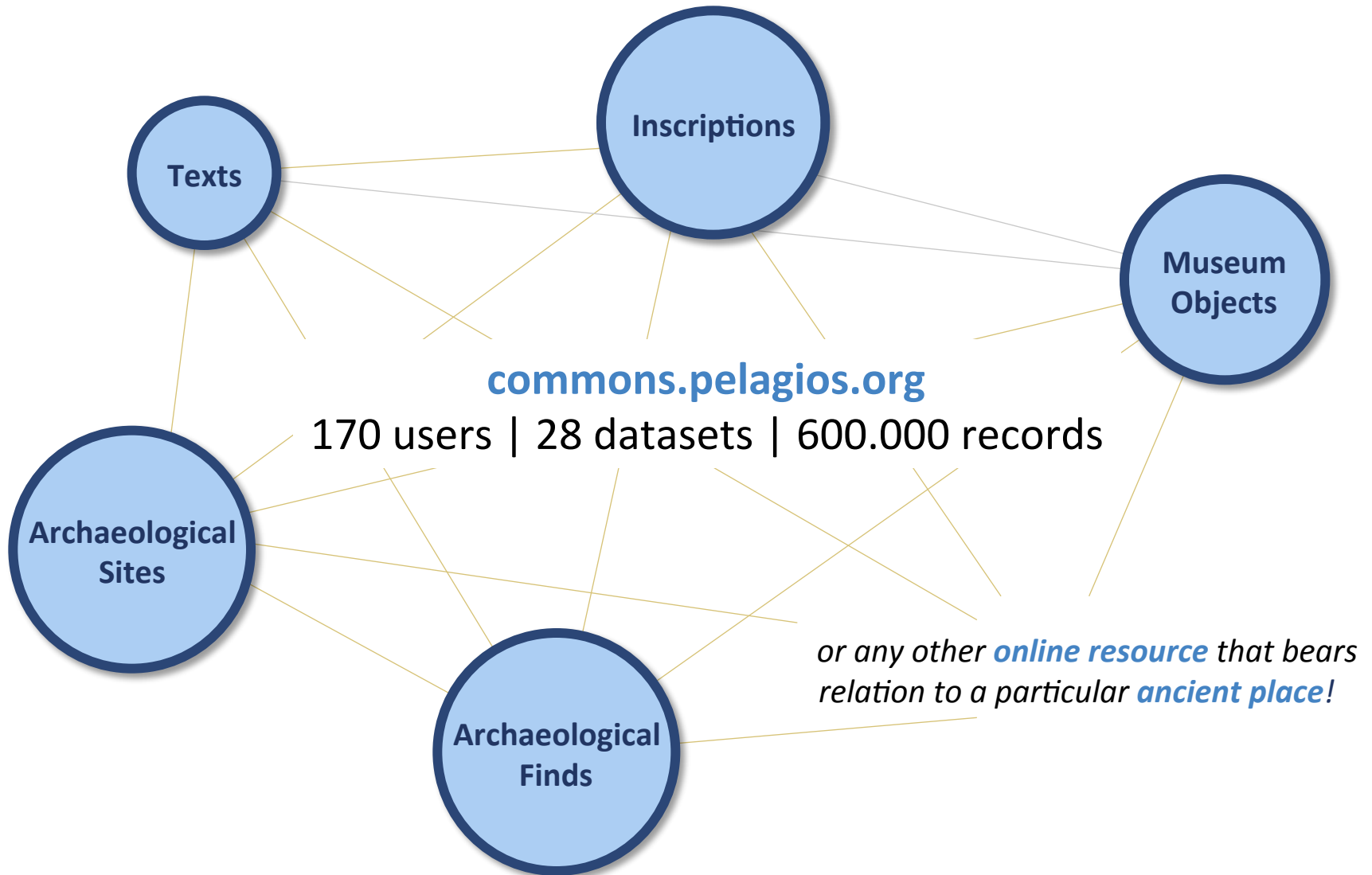
Pleiades
PastPlace
Getty Thesauri
PeriodO
ChronOntology
Canonical Text Services
SENSCHAL
SNAP
OCRE
...



What is Pelagios?

**A Decentralised
Community & Infrastructure
for Linked Open Geodata in the Humanities**

Pelagios | Linking Data, Openly



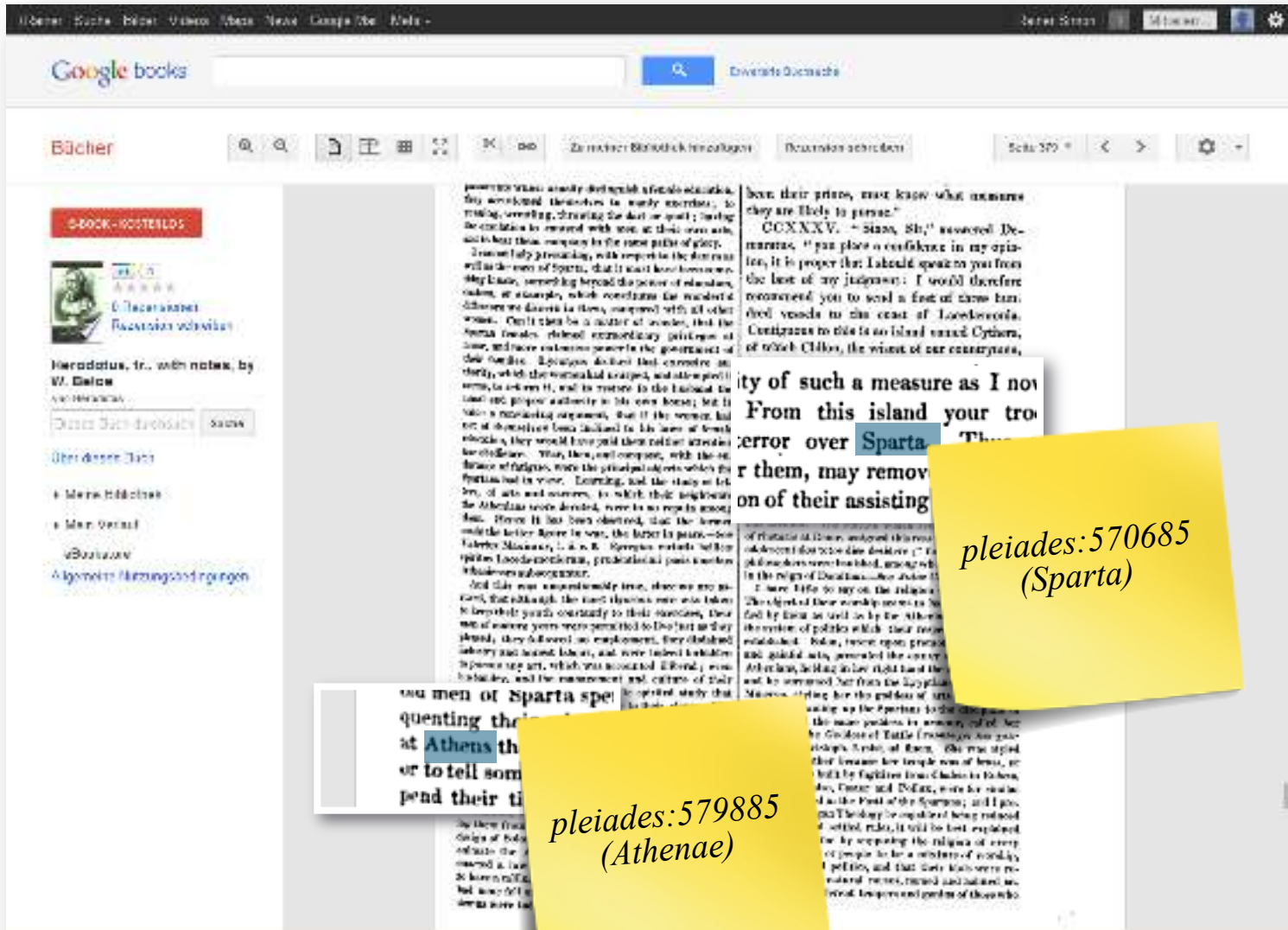
What Pelagios isn't | One ring to rule them all



- Not a data aggregator
- Not a repository
- Not a standard data model

Connectivity through *common references* rather than a *common schema*

The concept | Don't Unify the Model – Annotate!



Google books

Bücher

Herodotus, fr., with notes, by W. Beloe

pleiades:570685 (Sparta)

pleiades:579885 (Atheneae)

you men of Sparta speaking...

at Athens...

or to tell some...

pend their ti...

The concept | Don't Unify the Model – Annotate!



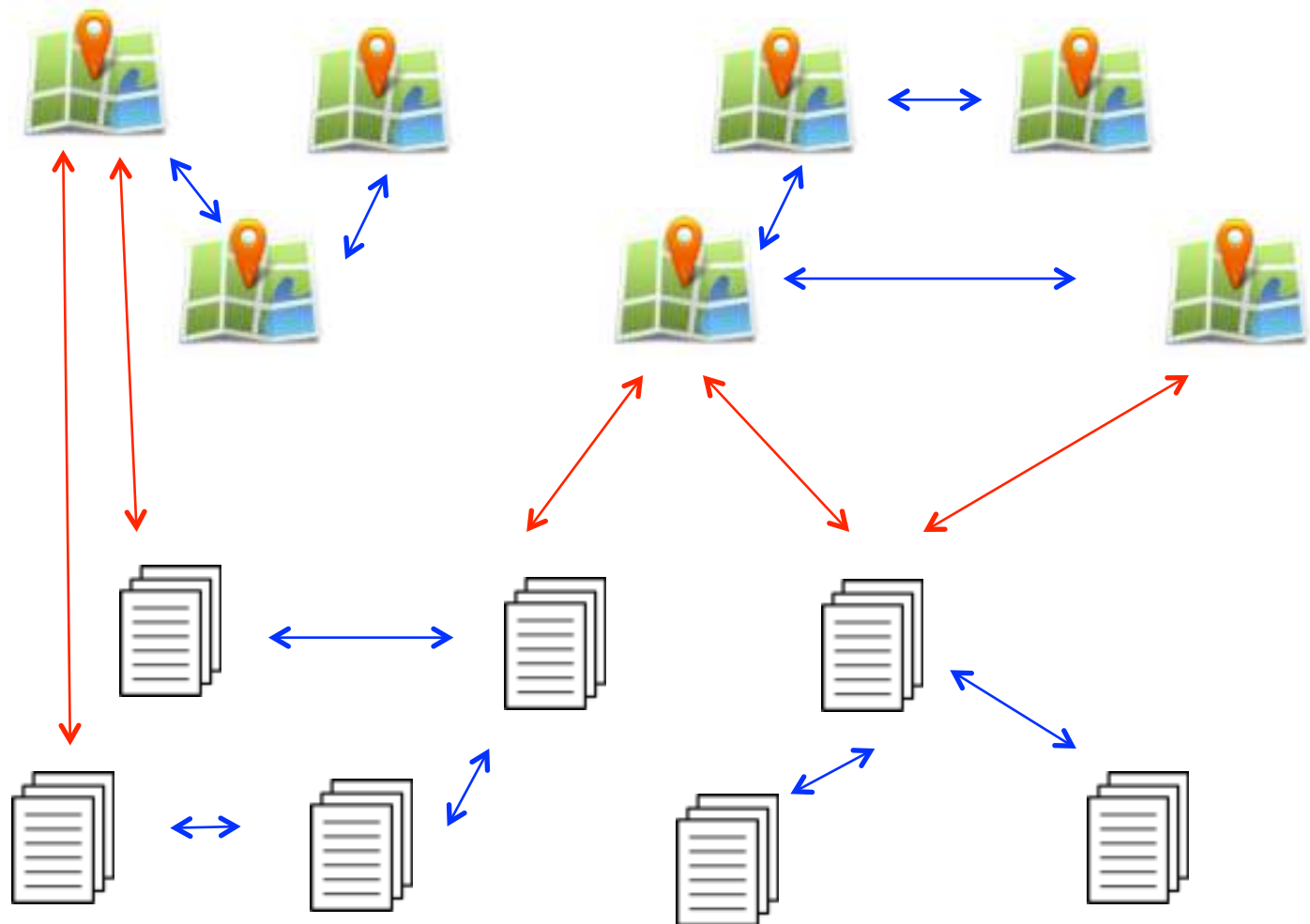
pastplace:
1558632
(Rome)

pastplace:
1218
(Jerusalem)

Pelagios network | Linking different knowledge domains



Pelagios



Toponym detail | Finding the right gazetteer match



The screenshot shows a web application interface for finding gazetteer matches for the toponym "Miletus". The interface is annotated with orange circles numbered 1 through 9, highlighting key features:

- 1**: The search input field containing the text "Miletus".
- 2**: The map area showing the location of Miletus in the Aegean region.
- 3**: A pop-up information box for "Miletus" with details: "Miletus **Settlement**", "Miletus, Balat", and "pleiades:592799".
- 4**: The search results list on the left, showing "13 results" categorized by gazetteer: "PastPlace 4 results", "Pleiades 6 results", and "DARE 3 results".
- 5**: The right-hand panel showing a detailed view of the selected "Miletus" settlement, including a description: "A major city in Caria Miletus, Balat".
- 6**: The toolbar below the right-hand panel, containing icons for various actions like zoom, pan, and share.
- 7**: A text snippet from a source, likely a gazetteer, mentioning "Miletus" and "Smyrna".
- 8**: A button labeled "Add Tag" next to the text snippet.
- 9**: A "Save Comment" button at the bottom of the right-hand panel.

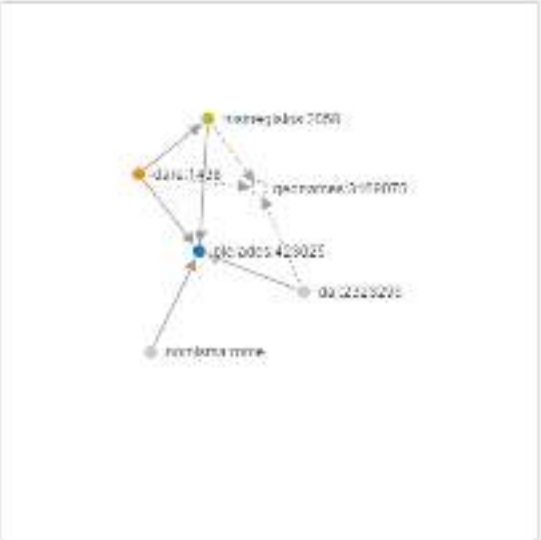

Pelagios Gazetteer Interconnection Format

PELAGIOS API Home Datasets Places

placeid: 423025

Roma

Rome, Roma/Rome
The capital of the Roman Republic and Empire
📍 $LAT: 41.8917$ $LOX: 12.4852$
<http://pelagios.slcc.org/places/423025>

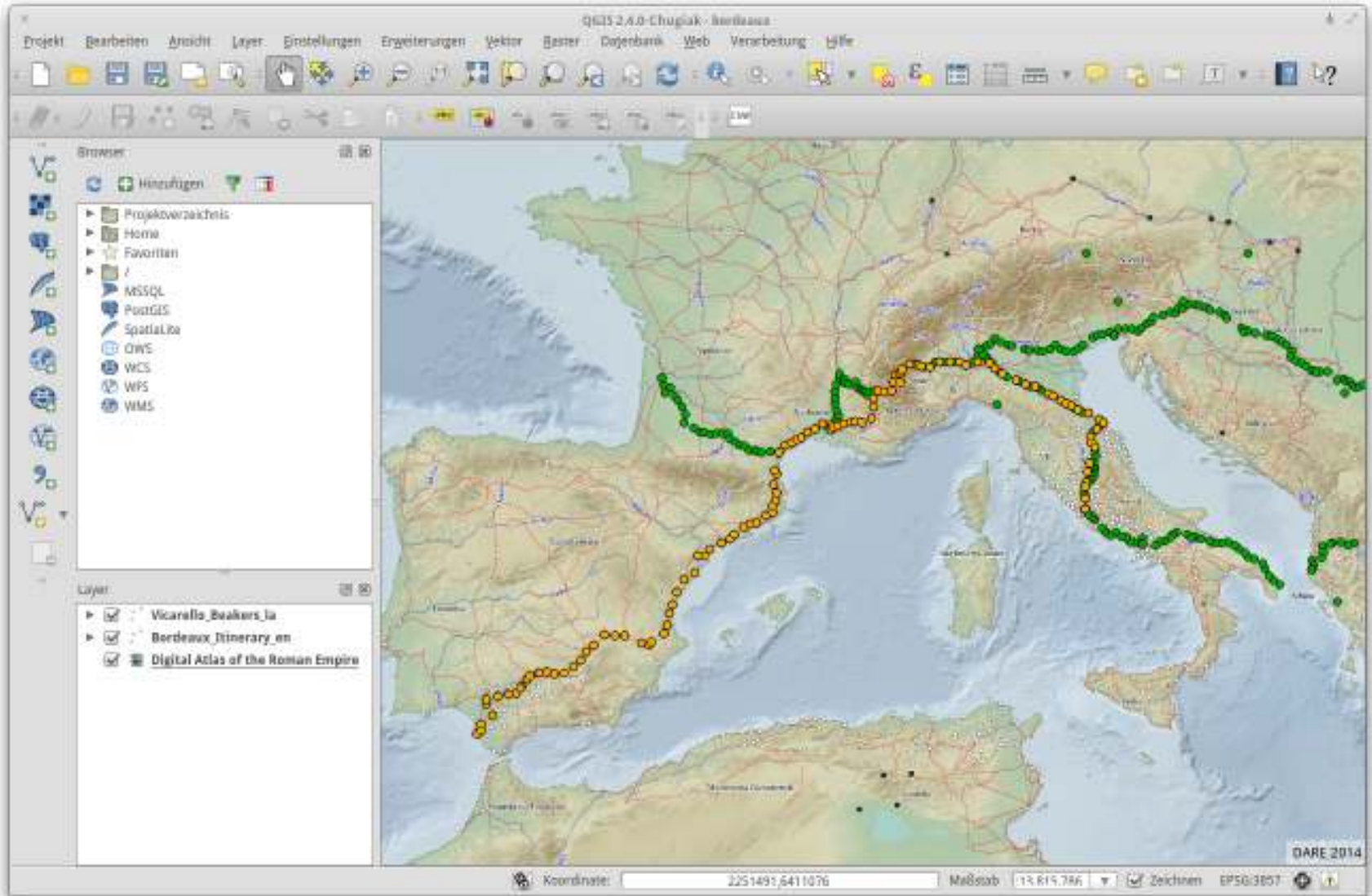


Open in Pelagios

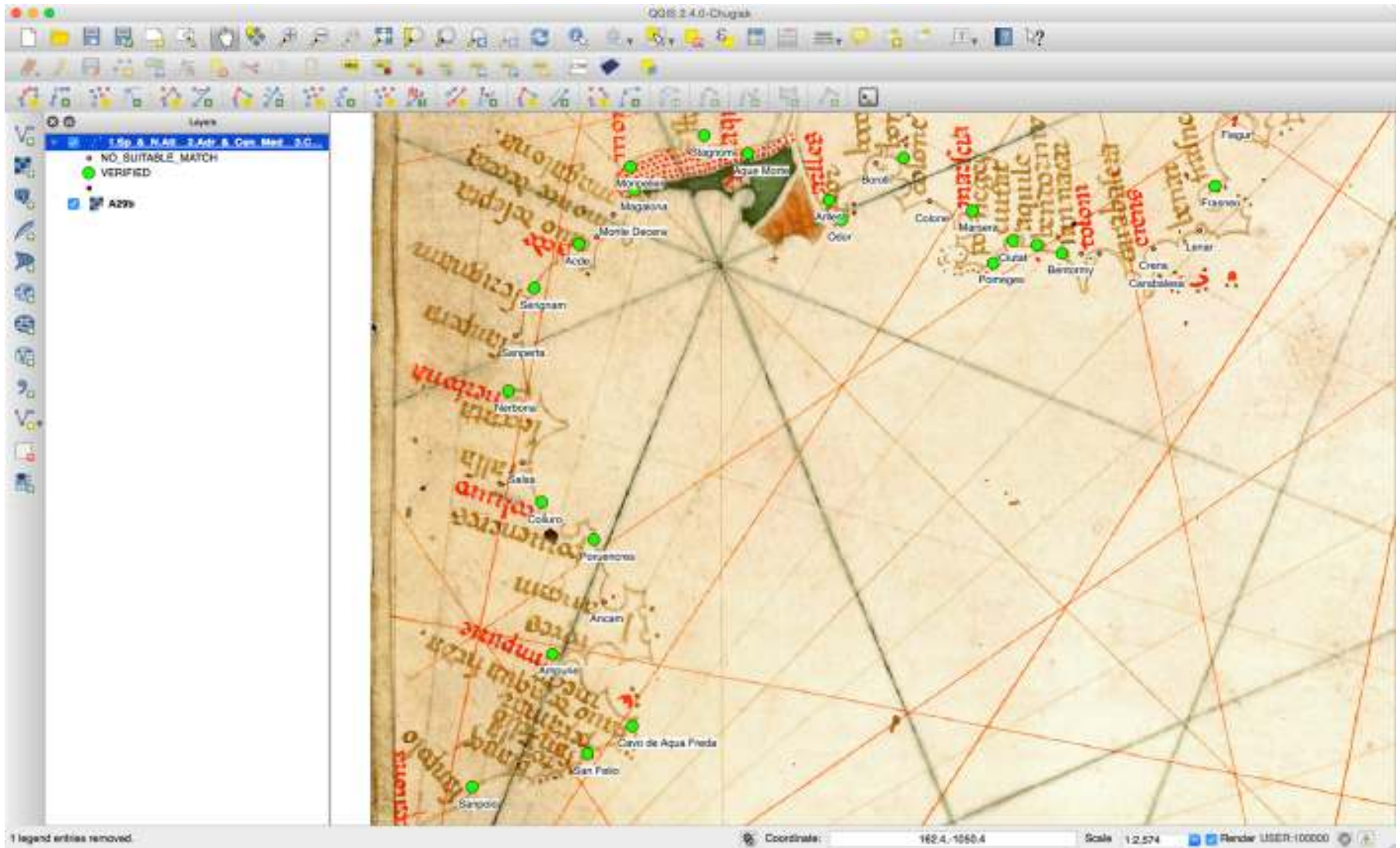
Roma in Other Gazetteers

[roma:1438](#) [da:0229025](#) [roma:roma:2000](#) [roma:roma](#)

Pelagios use cases | Download CSV to query the data



Pelagios use cases | Overlaying non-geodetic spatial systems



Inschriften: Detailansicht

HD-Nr.	HD065341
TM-Nr.	
Pleiades ID	↗ 216927 (↗ Inhalte aus dem Pelagios Netzwerk)
Bearbeitungsstand	überprüft an Foto
letzte Änderungen	9. Oktober 2012
Bearbeiter	Cowey
Fundumstände / Aufbewahrung	[26 references]

...entitled document by CAMAGNA 1361

Place: Pompeii
<http://pleiades.stoa.org/places/433032>

A place described in the Pleiades gazetteer: An ancient city of Campania destroyed by the volcanic eruption of Mt. Vesuvius in AD 79, named as UNESCO World Heritage Site in 1979. Further information at Pelagios

ing locations. Torraca and Pompeii in Italy: MASTELLONI [AE, Ptoles. IV–VIII), UJES, BAKIĆ [191]: 9 AE, Ptoles. III–V

nces to "Antiochia/Theoupolis", outside Open

- CLAROS [22 references]
- Nomisma.org [25 references]
- Regnum Francorum Online [1 references]
- Pleiades Annotations in the Perseus Digital Library [24 references]
- SAWS - Sharing Ancient Wisdoms [3 references]
- AWMC - Ancient World Mapping Center [2 references]
- Ure Museum [1 references]
- Open Context [159 references]
- Google Ancient Places [17 references]
- Pelagios Annotations from the Portable Antiquities Scheme [150 references]
- Omnes Viae [1 references]
- ORBIS: The Stanford Geospatial Network Model of the Roman World [1 references]
- Ancient History Encyclopedia [1 references]
- Epigraphic Database Heidelberg [8 references]

Linking data provided by Pelagios

The Pelagios API v.3 | A “google” style search with bells



PELAGIOS API [Home](#) [Datasets](#) [Places](#)

Pelagios 3 »

Greek Tradition Documents

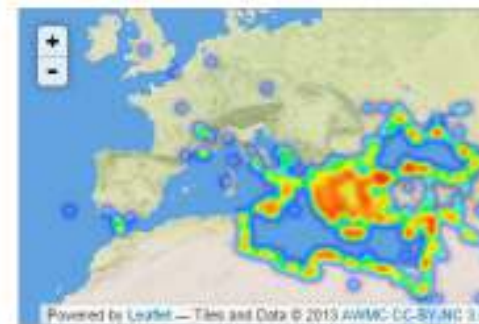
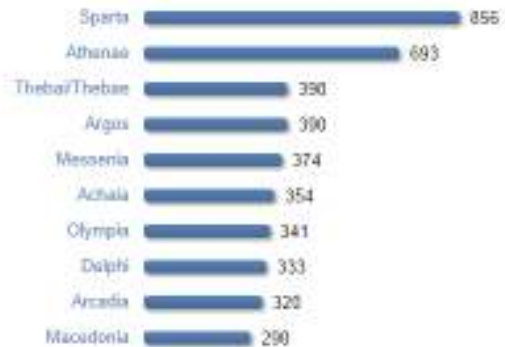
by Pelagios 3 Project

Early Geospatial Documents from the Greek Tradition

BC 700 – AD 550

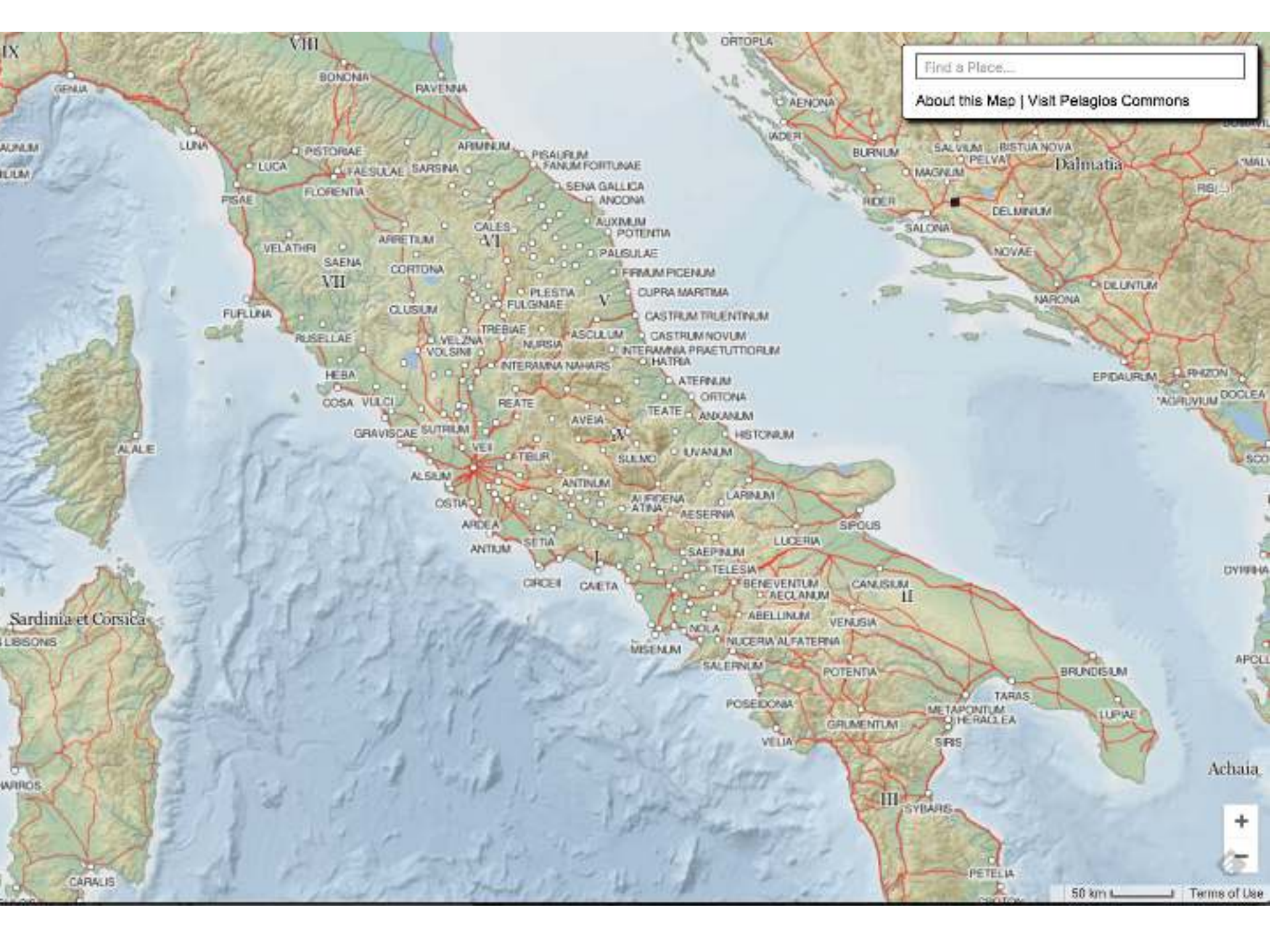
30 items with 18,612 references to 2,502 unique places

Most Frequently Referenced Places



Full Screen





Find a Place...

About this Map | Visit Pelagios Commons



rsimon Readme

a6ff5df on Jul 8, 2015

1 contributor

169 lines (111 sloc) | 10.6 KB

Raw

Blame

History



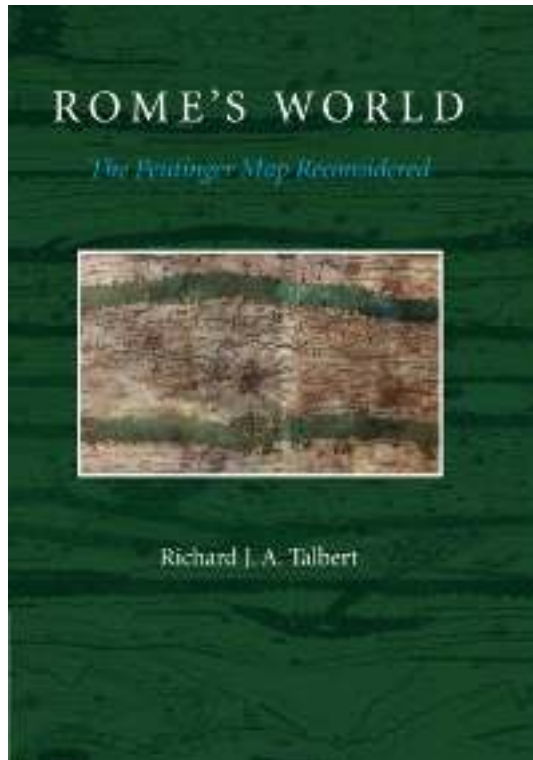
Peripleo

Peripleo (Greek for "to sail", "to swim around") is a search & browsing engine for data in the [Pelagios network](#).
Peripleo is work in progress.

Background - the Pelagios Initiative

Pelagios (Greek for 'of the Sea') is a **community network** that facilitates **linking of online resources that document**

Scholarly research | Filling the Blanks



Peutinger Table

Nivirgitab
Simnana
Tvbactis Mvn
Casa Rimoniana
Adcisternas
Nalad(vs?)
Dissio Aqva Amara
Chosol
Mvsvla
Ad ficvm
Pretorivm
Pvtea nig
Macomadase l(orvm)
Zvre
Adspelvncas

Guidonis Geographica

Nivergi
Simadana
Thubactis
Rastitiana
Cisternas
Nadalus
Dision
Onusol
Musol
Ficum
Praetorium
Putea nigra
Macitapades maiores
Zures
Speluncas

Ravenna

Cosmography

Nivergi
Simadana
Thubactis
Rusticiana
Cisternas
Nadalus
Dision
Onusol
Mulsol
Ficum
Praetorium
Putea nigra
Macumades maiores
Zaures
Speluncas

?



Decentralising Pelagios in 3 ways:

Technical:

- Recogito as software and open service
- Integrating Peripleo with other services

Social:

- 10 Special Interest Groups (SIGs)
- Overall management devolved to Pelagios Commons Committee

Sustainability:

- Long term financial and governance planning

Linked Data annotation without the pointy brackets

Create maps from text. Annotate images. Connect your research to other data on the Web and make it more open, visible and reusable. Without the need to become a Semantic Web expert.

[Learn More](#)

Signing up signifies you have read and agree to our [Terms and Conditions of Use](#).

Recogito Now Open for Alpha Testing!

Our official opening is scheduled for December 2016. But feel free to explore Recogito already now, while it's under development. We appreciate your feedback, bug reports, feature ideas, etc. Please get in touch via the [Recogito Users Group](#) or [GitHub](#).

Warning: please note that until the official opening, data may be lost without advance notice.

About

Explore the data

Community

Resources

Pelagios Commons provides online resources and a community forum for using open data methods to link and explore historical places



What does Pelagios Commons allow me to do?



About

Explore the data

Community

Resources

Pelagios Commons provides a community forum for using open data to explore historic

About the community

Members

Blog

Special Interest Group

Find a link and

Ancient Greek SIG

Roman SIG

Medieval, Byzantine & Islamic SIG

East Asian SIG

Modern SIG

Archaeological SIG

Linked Pasts SIG

Gazetteer SIG

Maritime SIG

Micro region SIG



What does Pelagios Commons allow me to do



2016 Resource Development Grants

- Linking Linked Places
- Cross-cultural After-Life of Classical Sites (CALCS)
- CroALa index locorum:
a gazetteer of place names in Croatian Latin texts
- Mediaeval Iberia through Pelagios Commons
- Kima : towards a Hebrew Gazetteer

LINKED PASTS CONFERENCE
15-16 December 2016, UNED, Madrid

Lessons?

1. Linked Data works better as a tool for discovery and connectivity than as tool for analysis
2. Linking Open Data is collaborative or it is nothing
3. HTTP URIs are more important than RDF or ontologies
4. Mutual benefit is essential but the benefits need not be the same for everyone
5. It is very hard to manage a growing number of partners, but essential to make personal connections. Is decentralisation the answer?
6. Know your limits 😊

**Thanks to the Andrew W. Mellon Foundation,
JISC, the AHRC, and all our partners**

Website and forums: <http://commons.pelagios.org>
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