

Linked geographical data and web-mapping

Anne Chen, Rainer Simon, Valeria Vitale



Introduction to Gazetteers



Linked Open Data



A (simplified) recipe for Linked Open Data

- Data have to be available online (preferably as open data).
- They have to be expressed in specific formats, for example RDF.



Cooking, by Leon Zernitsky, 2012

Resource Description Framework

RDF is a family of World Wide Web Consortium (W3C) specifications originally designed as a metadata data model.

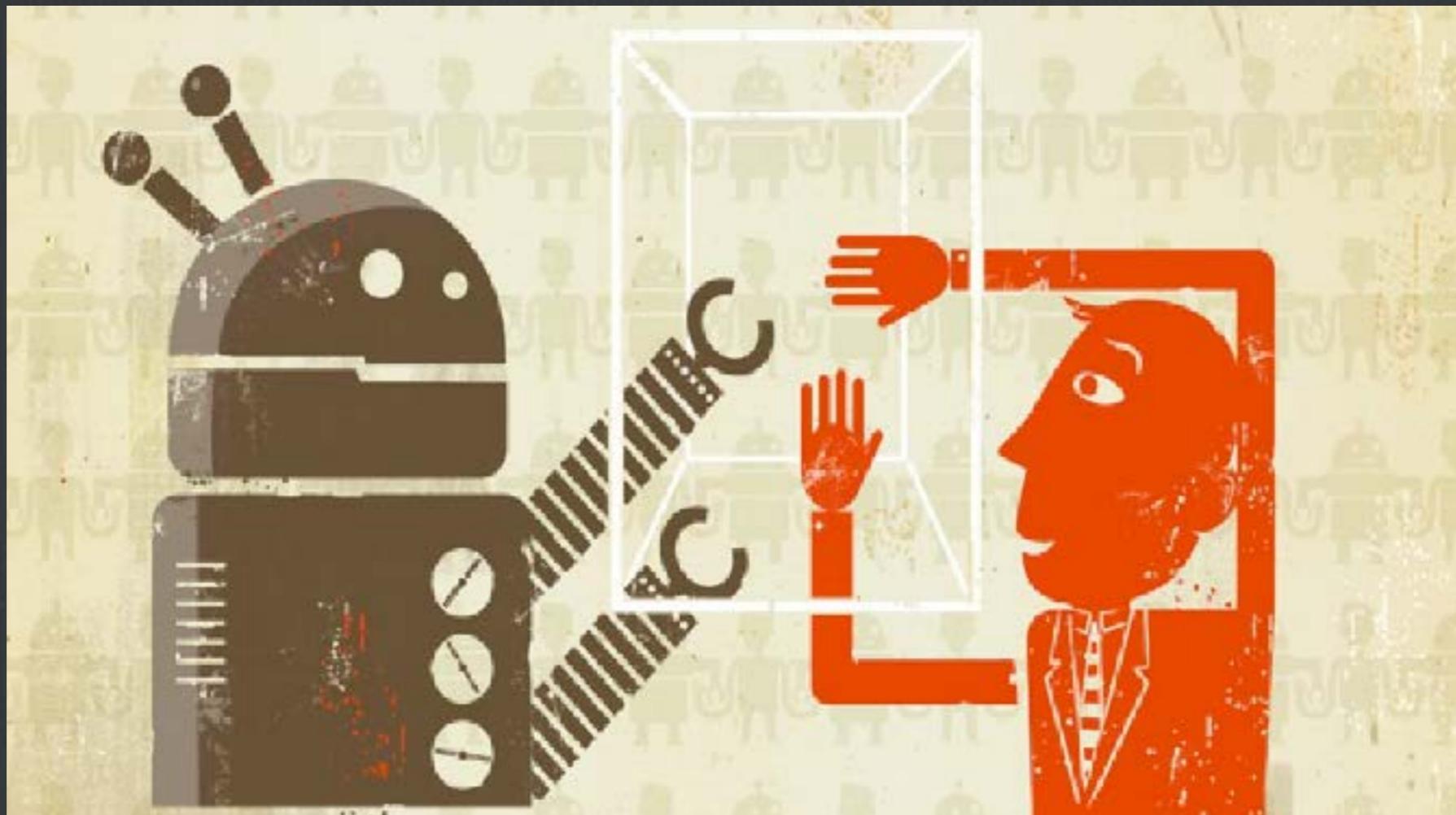


Illustration by Brucie Rosch from: <http://hub.jhu.edu/gazette/2013/february/humans-robots-together/>

Resource Description Framework

RDF is a family of World Wide Web Consortium (W3C) specifications originally designed as a metadata data model.

SUBJECT

PREDICATE

OBJECT

London

isPartOf

United Kingdom

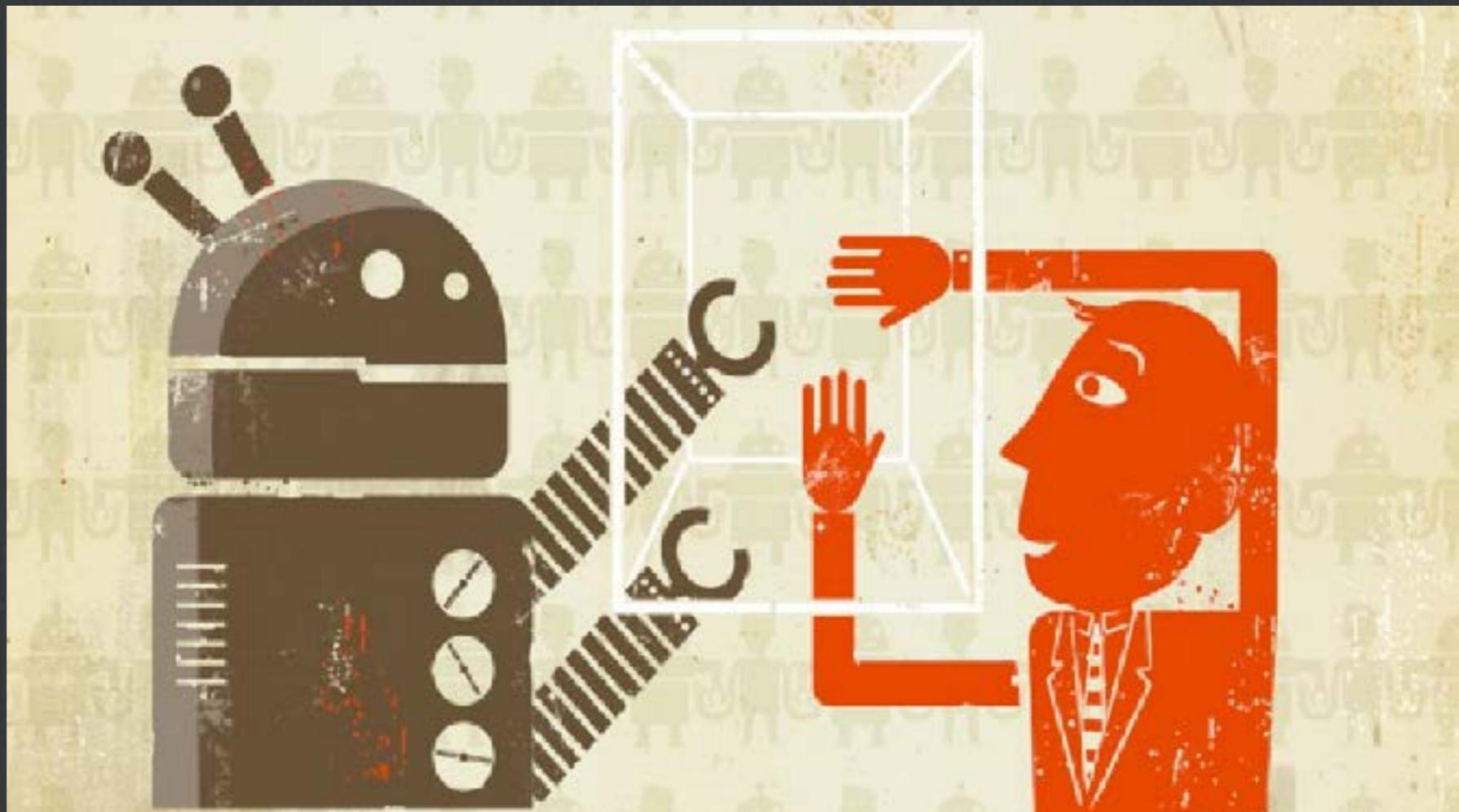


Illustration by Brucie Rosch from: <http://hub.jhu.edu/gazette/2013/february/humans-robots-together/>

A (simplified) recipe for Linked Open Data

- Data have to be available online (preferably as open data).
- They have to be expressed in specific formats, for example RDF.
- Use stable URIs to refer to entities (like people, places, dates, concepts).



Saul Steinberg, illustration from *The Passport* 1951



What is a gazetteer?

a geographical index or directory describing locations instances

Map of the United Kingdom from Nations Online



GeoNames URI: 2643743

Map of the United Kingdom from regnounito.net



GeoNames URI: 2643743

Map of the United Kingdom from Nations Online



GeoNames URI: 2643743

Map of the United Kingdom from regnounito.net



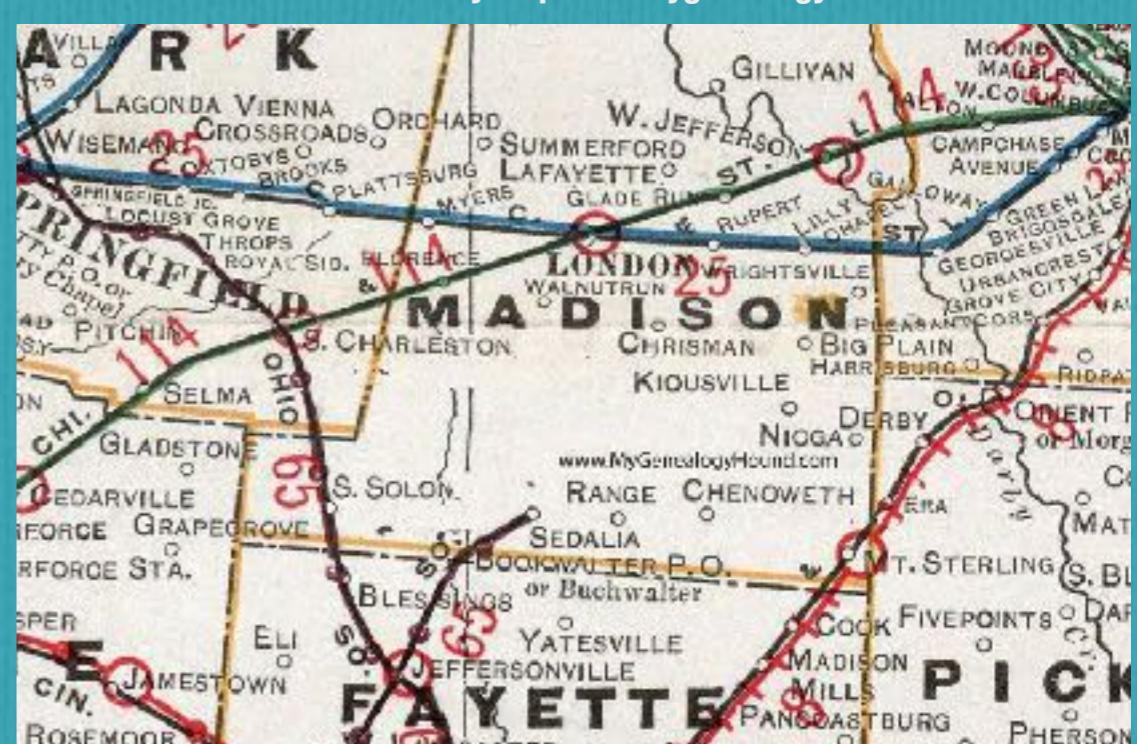
GeoNames URI: 2643743

Map of the United Kingdom from Nations Online



GeoNames URI: 2643743

Ohio County Map from mygenealogy



GeoNames URI: 4517009

Digital Gazetteers

More powerful than simple lists, they help us:

- Disambiguate place references in semantic annotations.
- Record and formalise our knowledge and understanding of places, especially in diachronic perspectives.
- Improve metadata.

GAZETTEER - INDEX of THE WORLD											
Country	Date	Index	Capital	Area in sq. miles	Population	Divisions	Date	Index	Capital	Area in sq. miles	Population
Afghanistan	1931	16.5	Kabul	20,000	2,225,000	Punjab	1931	16.6	Mazar-i-Sharif	15,000	1,115,000
Algeria	1931	16.7	Algiers	42,000	1,985,000	Oran	1931	16.8	---	---	---
Angola	1931	16.9	Luanda	4,000	1,000,000	Maputo	1931	17.0	Maputo	1,000,000	1,000,000
Argentina	1931	17.2	Buenos Aires	10,000	12,000,000	Buenos Aires	1931	17.3	Salta	1,000,000	1,000,000
Armenia	1931	17.5	Yerevan	17,700	4,000,000	Armenia	1931	17.6	---	---	---
Aruba	1931	17.7	Oranjestad	14,700	1,000,000	Barbados	1931	17.8	Kingston	1,000,000	1,000,000
Argentina	1931	17.9	Buenos Aires	10,000	12,000,000	Buenos Aires	1931	17.9	Catamarca	1,000,000	1,000,000
Argentina	1931	18.1	Salta	10,000	1,000,000	Buenos Aires	1931	18.0	Santa Fe	1,000,000	1,000,000
Argentina	1931	18.3	Chaco	10,000	1,000,000	Buenos Aires	1931	18.2	Entre Rios	1,000,000	1,000,000
Argentina	1931	18.5	Corrientes	10,000	1,000,000	Buenos Aires	1931	18.4	Jujuy	1,000,000	1,000,000
Argentina	1931	18.7	Formosa	10,000	1,000,000	Buenos Aires	1931	18.6	Misiones	1,000,000	1,000,000
Argentina	1931	18.9	San Juan	10,000	1,000,000	Buenos Aires	1931	18.8	Salta	1,000,000	1,000,000
Argentina	1931	19.1	San Luis	10,000	1,000,000	Buenos Aires	1931	19.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	19.3	Tucuman	10,000	1,000,000	Buenos Aires	1931	19.2	Santa Fe	1,000,000	1,000,000
Argentina	1931	19.5	Entre Rios	10,000	1,000,000	Buenos Aires	1931	19.4	San Juan	1,000,000	1,000,000
Argentina	1931	19.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	19.6	Salta	1,000,000	1,000,000
Argentina	1931	19.9	Chaco	10,000	1,000,000	Buenos Aires	1931	19.8	Santa Cruz	1,000,000	1,000,000
Argentina	1931	20.1	Formosa	10,000	1,000,000	Buenos Aires	1931	20.0	Salta	1,000,000	1,000,000
Argentina	1931	20.3	Corrientes	10,000	1,000,000	Buenos Aires	1931	20.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	20.5	Entre Rios	10,000	1,000,000	Buenos Aires	1931	20.4	Salta	1,000,000	1,000,000
Argentina	1931	20.7	San Juan	10,000	1,000,000	Buenos Aires	1931	20.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	20.9	Salta	10,000	1,000,000	Buenos Aires	1931	20.8	Salta	1,000,000	1,000,000
Argentina	1931	21.1	Santa Fe	10,000	1,000,000	Buenos Aires	1931	21.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	21.3	Chaco	10,000	1,000,000	Buenos Aires	1931	21.2	Salta	1,000,000	1,000,000
Argentina	1931	21.5	Formosa	10,000	1,000,000	Buenos Aires	1931	21.4	Santa Cruz	1,000,000	1,000,000
Argentina	1931	21.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	21.6	Salta	1,000,000	1,000,000
Argentina	1931	21.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	21.8	Santa Cruz	1,000,000	1,000,000
Argentina	1931	22.1	San Juan	10,000	1,000,000	Buenos Aires	1931	22.0	Salta	1,000,000	1,000,000
Argentina	1931	22.3	Salta	10,000	1,000,000	Buenos Aires	1931	22.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	22.5	Formosa	10,000	1,000,000	Buenos Aires	1931	22.4	Salta	1,000,000	1,000,000
Argentina	1931	22.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	22.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	22.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	22.8	Salta	1,000,000	1,000,000
Argentina	1931	23.1	San Juan	10,000	1,000,000	Buenos Aires	1931	23.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	23.3	Salta	10,000	1,000,000	Buenos Aires	1931	23.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	23.5	Formosa	10,000	1,000,000	Buenos Aires	1931	23.4	Salta	1,000,000	1,000,000
Argentina	1931	23.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	23.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	23.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	23.8	Salta	1,000,000	1,000,000
Argentina	1931	24.1	San Juan	10,000	1,000,000	Buenos Aires	1931	24.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	24.3	Salta	10,000	1,000,000	Buenos Aires	1931	24.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	24.5	Formosa	10,000	1,000,000	Buenos Aires	1931	24.4	Salta	1,000,000	1,000,000
Argentina	1931	24.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	24.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	24.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	24.8	Salta	1,000,000	1,000,000
Argentina	1931	25.1	San Juan	10,000	1,000,000	Buenos Aires	1931	25.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	25.3	Salta	10,000	1,000,000	Buenos Aires	1931	25.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	25.5	Formosa	10,000	1,000,000	Buenos Aires	1931	25.4	Salta	1,000,000	1,000,000
Argentina	1931	25.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	25.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	25.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	25.8	Salta	1,000,000	1,000,000
Argentina	1931	26.1	San Juan	10,000	1,000,000	Buenos Aires	1931	26.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	26.3	Salta	10,000	1,000,000	Buenos Aires	1931	26.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	26.5	Formosa	10,000	1,000,000	Buenos Aires	1931	26.4	Salta	1,000,000	1,000,000
Argentina	1931	26.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	26.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	26.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	26.8	Salta	1,000,000	1,000,000
Argentina	1931	27.1	San Juan	10,000	1,000,000	Buenos Aires	1931	27.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	27.3	Salta	10,000	1,000,000	Buenos Aires	1931	27.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	27.5	Formosa	10,000	1,000,000	Buenos Aires	1931	27.4	Salta	1,000,000	1,000,000
Argentina	1931	27.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	27.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	27.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	27.8	Salta	1,000,000	1,000,000
Argentina	1931	28.1	San Juan	10,000	1,000,000	Buenos Aires	1931	28.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	28.3	Salta	10,000	1,000,000	Buenos Aires	1931	28.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	28.5	Formosa	10,000	1,000,000	Buenos Aires	1931	28.4	Salta	1,000,000	1,000,000
Argentina	1931	28.7	Corrientes	10,000	1,000,000	Buenos Aires	1931	28.6	Santa Cruz	1,000,000	1,000,000
Argentina	1931	28.9	Entre Rios	10,000	1,000,000	Buenos Aires	1931	28.8	Salta	1,000,000	1,000,000
Argentina	1931	29.1	San Juan	10,000	1,000,000	Buenos Aires	1931	29.0	Santa Cruz	1,000,000	1,000,000
Argentina	1931	29.3	Salta	10,000	1,000,000	Buenos Aires	1931	29.2	Santa Cruz	1,000,000	1,000,000
Argentina	1931	29.5	Formosa	10,000	1,000,000	Buenos Aires	1931	29.4	Salta	1,000,000	1,000,000
Argentina	193										

There is London and London...

The Pleiades Gazetteer of the Ancient World

PLEIADES

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You are here: Home → Ancient Places → Londinium/Augusta

Londinium/Augusta

a Pleiades place resource

Creators: A.B. Esmonde Cleary
Contributors: DARMC, Brady Kiesling, R. Talbert, F. Walther, Jeffrey Becker; Sean Gillies, Tom Elliott
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Last modified Mar 09, 2020 11:05 PM — History

Topics: `class:ancient=1`, `class:major=1`, `class:feature:major_settlement`

Roman London was established ca. A.D. 43.

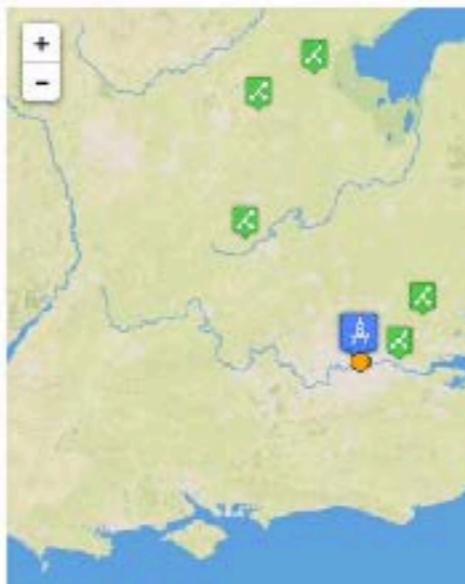
Canonical URI for this page:
<https://pleiades.stoa.org/places/79574>

Representative Point (Latitude, Longitude):
51.513335, -0.088949

Locations:
• DARMC location 20441 (30 BC - AD 640)

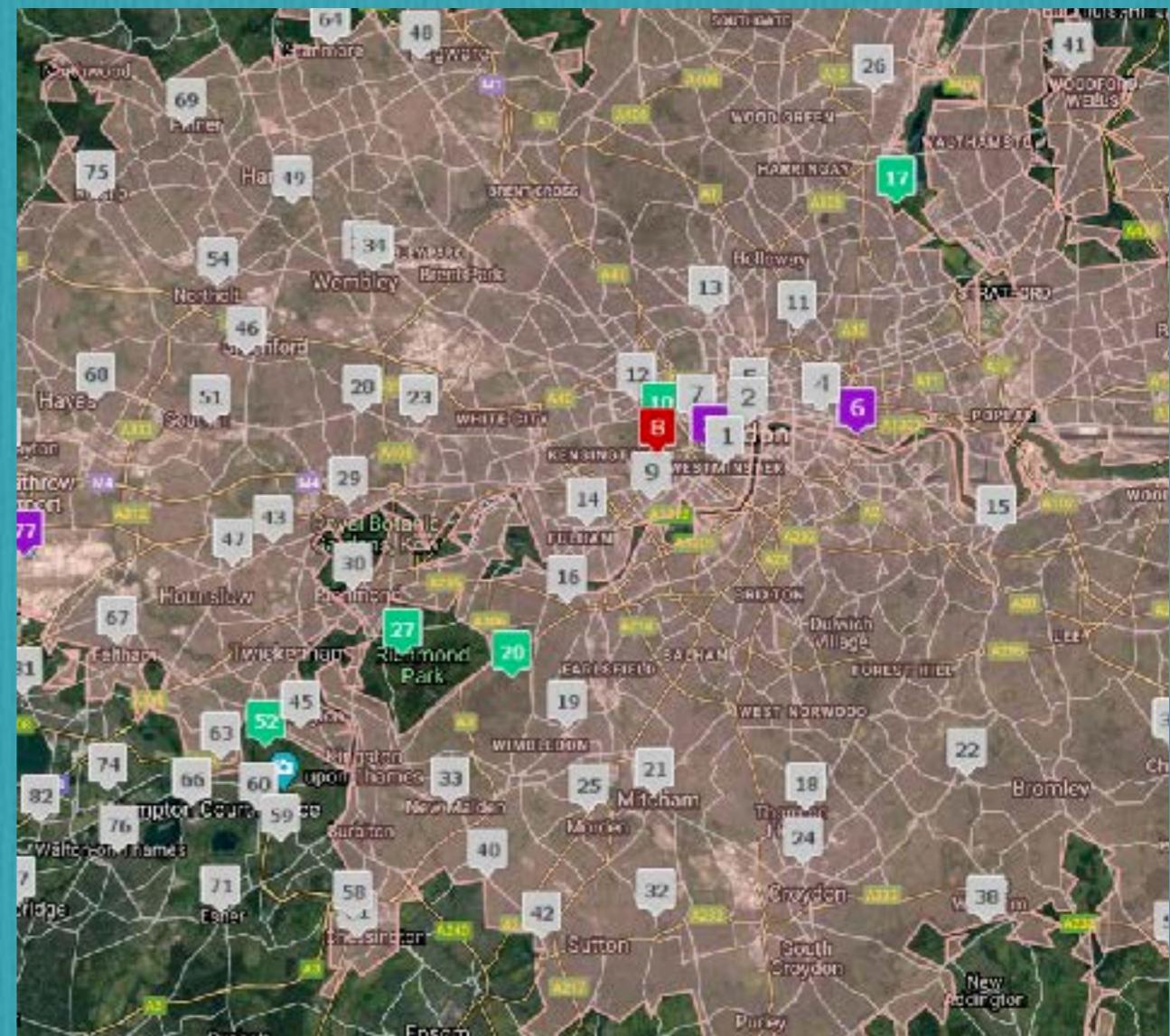
Names:
• Augusta (Latin, AD 300 - AD 640)
• Londinium (Latin, 30 BC - AD 640)
• London (English, modern)
• Londra (Italian, modern)

Londinium/Augusta makes connections with:
• Londinium/Augusta → connection → Britannia/Albion (island) (unspecified date range)
• Londinium/Augusta → connection → Ermine Street (unspecified date range)
• Londinium/Augusta → connection → Tamesis (river) (unspecified date range)



URI: pleiades.stoa.org/places/79574

The GeoNames contemporary gazetteer



URI: www.geonames.org/2643743/london.html

A closer look at Pleaides



pleiades.stoa.org

What is a Pleiades place made of?

- Place: The idea of a place. The notion of its existence, either in historical or literary contexts.
- Names: How a place was called, by different people and/or at different times.
- Locations: Where a place used to be, according to different sources.
- Relations: what other places are related to it (as parents or children)



City of Cairo, Piri Reis. Source: Wikipedia

What if we don't have all these pieces of information?

- ▶ **Place only**
We know that a place existed (or was supposed to exist) but we may or may not know its location or name.
- ▶ **Name only**
We found attestation of a name but we don't know to what it refers, or where the referent was located.
- ▶ **Location only**
We know that a place existed (thanks to archaeological data) but we don't have enough historical knowledge about it and we ignore its name.



A. Kauffman, Calypso calling heaven and earth to witness her sincere affection to Ulysses.

Source: Wikimedia



What about cities?

The Temple of Apollo or the House of the Dwarves?

 **Temple of Apollo**
a Pleiades place resource

Creators: Valeria Vitale
Contributors: Jeffrey Becker
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Last modified: Dec 21, 2016 08:45 AM — [History](#)

Tags: Corinthian, Apollo

The Temple of Apollo (VII.7.32) in Pompeii is one of the city's oldest cults, dating to the sixth century BC. The sanctuary assumed its present appearance in the second century BC.

Canonical URI for this page:
<https://pleiades.stoa.org/places/730913180> 

Red tiles indicate drafting-state items. Orange tiles indicate pending-state.

Representative Point (Latitude, Longitude):
40° 749' 04.78" N, 14° 48' 47.28" E 

Locations:

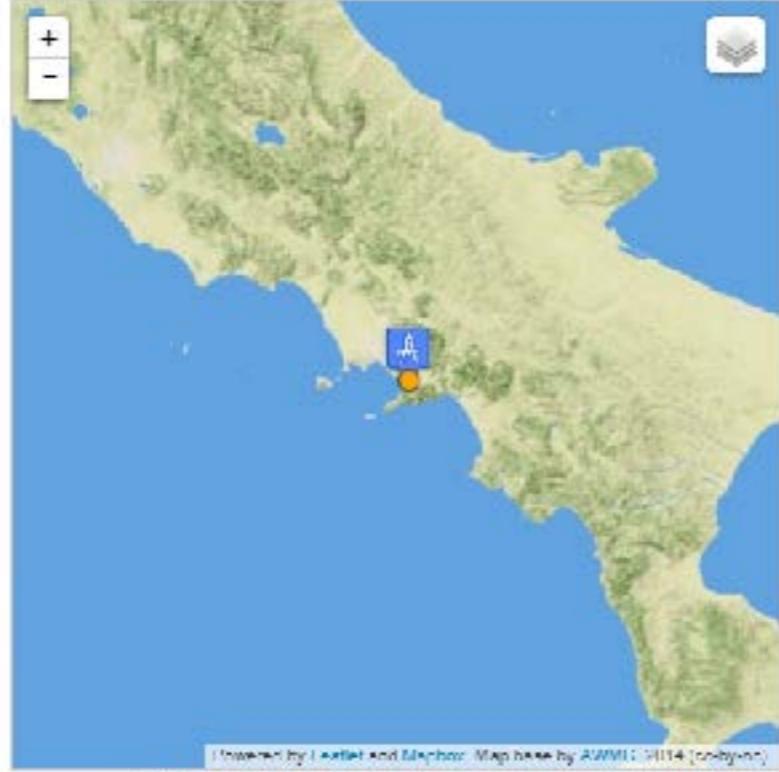
- OSM location of the called "Tempio di Apollo" (750 BC - AD 300)

[Add Location](#) ▾

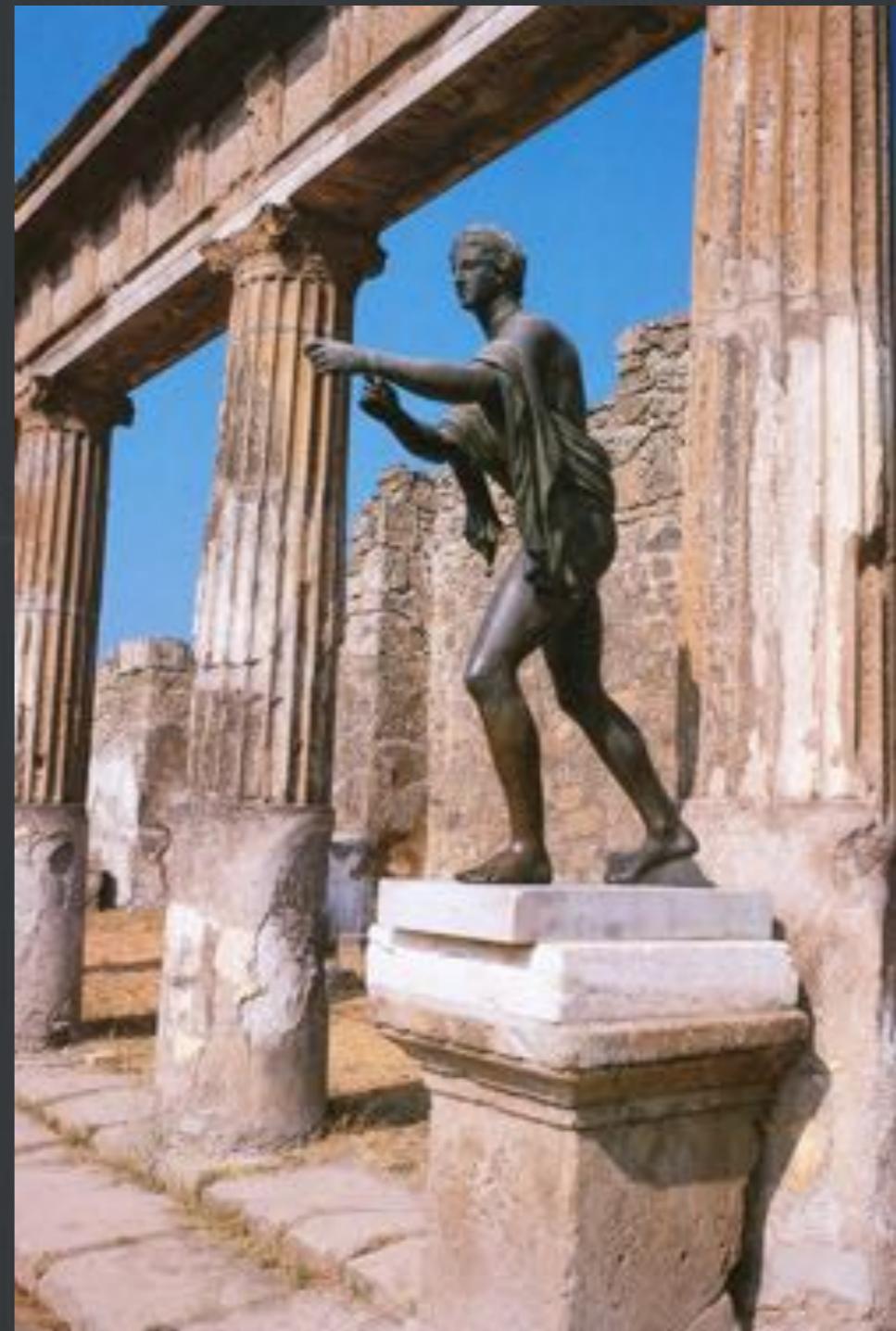
Names:

- Aedes of Apollo (English, modern) [drafting by Valeria Vitale]
- Aedes of Venus Pompeiana (English, modern) [drafting by Valeria Vitale]
- House of the Dwarfs (English, modern) [drafting by Valeria Vitale]
- Tempel der Ceres (German, modern) [drafting by Valeria Vitale]
- Tempel der Ceres und Venus (German, modern) [drafting by Valeria Vitale]
- Tempio di Apollo (Italian, modern)
- Tempio di Mercurio e Maia (Tempio di Mercurio e Maia; Italian, modern) [drafting by Valeria Vitale]
- Tempio di Venere Fisica (Italian, modern) [drafting by Valeria Vitale]
- Tempio di Venere Physica Pompeiana (Italian, modern) [drafting by Valeria Vitale]
- Tempio di Venere e collegio dei Veneri (Tempio di Venere e collegio dei Veneri; Italian, modern) [drafting by Valeria Vitale]
- Tempio Ipetaro (Italian, modern) [drafting by Valeria Vitale]
- Temple of Bacchus (Temple of Bacchus; English, modern) [drafting by Valeria Vitale]
- VII.7.32 (Italian, modern) [drafting by Valeria Vitale]

[Add Name](#)



Powered by Leaflet and Mapbox. Map base by AEMI 2014 (public domain). Show place in AEMI's Anthology in a card, Google Earth, or Petalico Portfolio. Show area in GeoNames, Google Maps, or OpenStreetMap.



Screenshot from the Pleiades Gazetteer of the Ancient World

Picture of the Temple from pompeiiinpictures.com

Recording information about disappeared and disappearing cultural heritage



Disappearing built heritage in Benghazi traced in Open Street Map

The Dura-Europos Digital Urban Gazetteer: A Case Study

Anne Hunnell Chen, Ph.D.
Yale University

Yale Digital Dura-Europos Archive (YDEA)

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YDEA is harnessing the power of Linked Open Data (LOD) to reassemble and re-contextualize archaeological data from Dura-Europos.

ydea.yale.edu



Google Earth

Landsat / Copernicus, Data SIO, NOAA

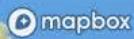
Dura-Europos Object Distribution



What is a digital urban gazetteer?

- Pleiades= Macro level,
Mediterranean-wide scope
(although now expanding)
- Urban gazetteer= Mirco, site-specific level
 - Provides unique identifiers (URIs)
 - Disambiguate buildings/features within city/site
 - Associate buildings/features with geospatial data

A slideshow of random places from Pleiades.
Press P to pause/play, J to go back one step, or
K to advance. Press Esc to terminate the
slideshow. Reload the page to begin again.



Ancient topography by AWMC, 2014 (cc-by-nc). | © Mapbox © OpenStreetMap [Improve this map](#)

search the 37,275 places

Dura - 893990



Dura - 893989



Duranus, Duranus (river) - 138334



Why create a digital urban gazetteer?

- 
1. Different places, same name
 2. Same place, different names
 3. Same place, same name(s), different levels

1. Different Place, Same Name

Synagogue,
Dura-Europos (Syria)



Synagogue,
Ostia Antica (Italy)



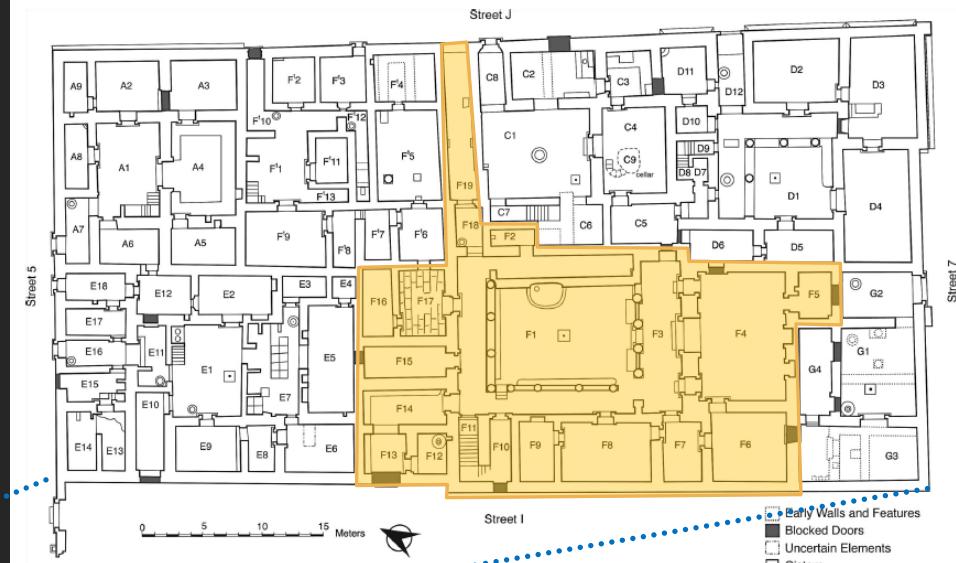
Google Earth

Image © 2021 CNES / Airbus

2. Same Place, Different Names



Plan after Baird 2012, fig. 1.3



Plan after Baird 2012, fig. 6.3

House F, Block D5 =

- 'House of the Great Atrium'
- 'House of the Cistern'
- 'House of the Court'
- 'Pillet's House A'
- House D5-F

You are here: [Home](#) → [Ancient Places](#) → Tower 2

Tower 2

a Pleiades place resource

Creators: [Anne Chen](#)

Contributors: [Kyle Conrau-Lewis](#), [Tom Elliott](#), [Jeffrey Becker](#)

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Last modified Feb 11, 2021 06:47 AM — [History](#)

tags: [YDEA project](#)

Rectangular defensive tower located on the northern end of the defensive circuit walls around the city of Dura-europos. fortifications were breached in 256 CE and went out of use thereafter.

Canonical URI for this page:

<https://pleiades.stoa.org/places/980015031> 

Representative Point (Latitude, Longitude):

34.7510904716, 40.7264288592 

 Locations:

- [Plan location of Tower 2 \(100 BC - AD 199\)](#)

 Names:

- [Tower of the Archers \(English, AD 1900 - AD 2099\)](#)

 Tower 2 makes connections with:

- Tower 2 ➔ part of (physical/topographic) ➔ City Wall of Dura-Europos (unspecified date range)



3. Same Place, Same Name(s), Different Levels

Same location/Multiple Building Phases



Middle section of Block L7

1. Before 150 CE=building traces (house)?
2. After 150 CE= Synagogue Phase 1, abutted by House L7-H to the east
3. c. 244 CE renovation and expansion of synagogue (phase 2) that absorbs House L7-H

PLEIADES

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You are here: Home → Ancient Places → Synagogue phase 1

Synagogue phase 1

a Pleiades place resource

Creators: Anne Chen

Contributors: Jeffrey Becker, Tom Elliott

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tags: YDEA

Synagogue adapted from a private house building in Dura-Europos.

Canonical URI for this page:

<https://pleiades.stoa.org/places/769637722>

Representative Point (Latitude, Longitude):

34.747465409, 40.726912793

Locations:

- Total station location of Synagogue phase 1 (AD 100 - AD 199)

Names:

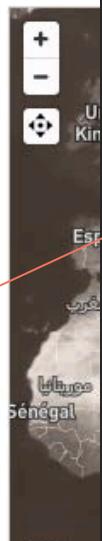
None

Synagogue phase 1 makes connections with:

- Synagogue phase 1 — part of (physical/topographic) —> Block L7 (unspecified date range)
- Synagogue phase 1 — succeeds —> Building (house?) preceding Synagogue phase 1 (unspecified date range)
- Synagogue phase 1 — abuts —> House L7-H (unspecified date range)

Synagogue phase 1 receives connections from:

- Synagogue phase 2 — succeeds —> Synagogue phase 1 (unspecified date range)



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Synagogue phase 2

a Pleiades place resource

Creators: Anne Chen

Contributors: Jeffrey Becker, Tom Elliott

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tags: YDEA

Renovation of the synagogue at Dura-Europos c. 244 CE. The date for the renovation and expansion is based on inscriptions painted on decorative ceiling tiles from the building's assembly hall.

Canonical URI for this page:

<https://pleiades.stoa.org/places/769637723>

Representative Point (Latitude, Longitude):

34.7474864137, 40.7270386255

Locations:

- Total station location of Synagogue phase 2 (AD 200 - AD 299)

Names:

None

Synagogue phase 2 makes connections with:

- Synagogue phase 2 — part of (physical/topographic) —> Block L7 (unspecified date range)
- Synagogue phase 2 — succeeds —> House L7-H (unspecified date range)
- Synagogue phase 2 — succeeds —> Synagogue phase 1 (unspecified date range)

Synagogue phase 2 receives connections from:

None

Place type:

synagogue



1. Different places, same name
 2. Same place, different names
 3. Same place, same name(s), different levels

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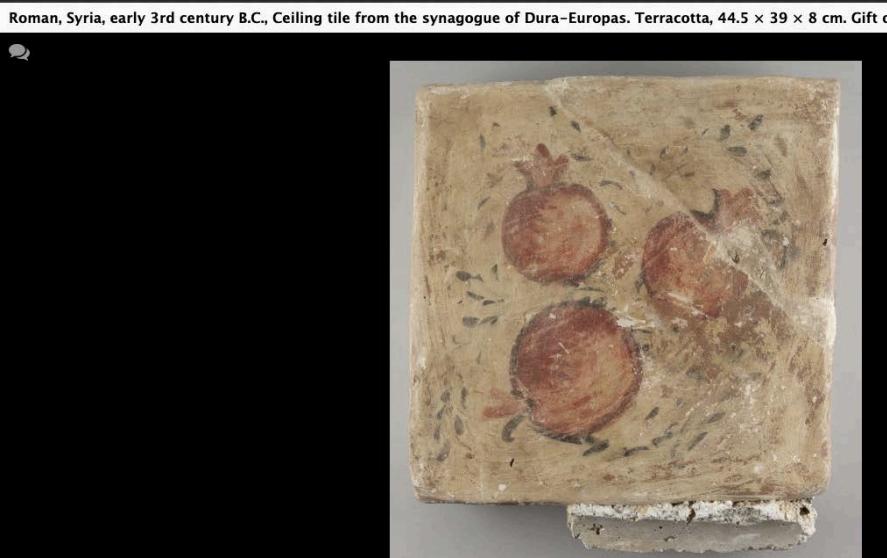
ANCIENT ART

SHARE <

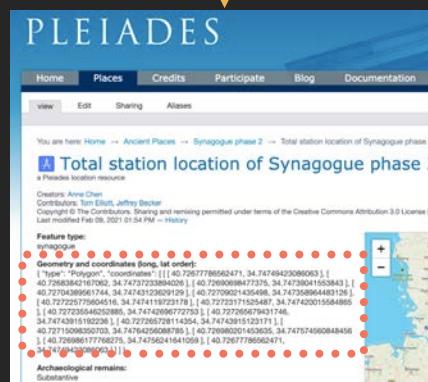


Photo credit: Yale University Art Gallery

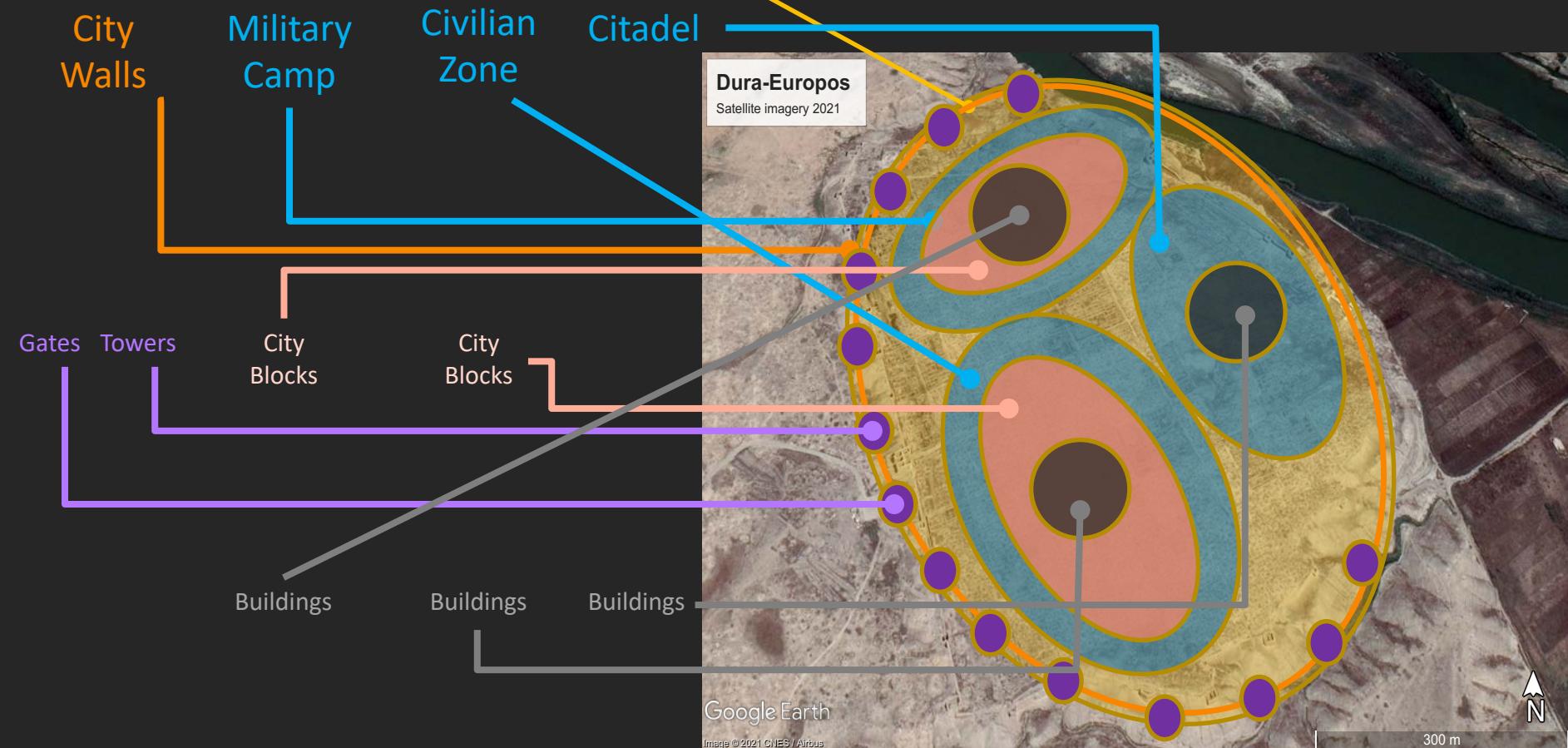
Title with Centaur
ca. A.D. 245
Clay with layer of painted plaster
39 x 40 x 5 cm (15 3/8 x 15 3/4 x 1 15/16 in.)
Yale-French Excavations at Dura-Europos
1933.268
Geography: Excavated in Dura-Europos, Syria
Status: On view
Culture: Syrian, Dura-Europos
Period: Roman (3rd century A.D.)
Classification: Paintings
Provenance:
Excavated by the Yale-French Excavations at Dura-Europos (block L7, Synagogue), present-day Syria, 1928–37; Yale University Art Gallery, New Haven, Conn.
Bibliography:
Jennifer Chi and Sebastian Heath, eds., *Edge of Empires: Pagans, Jews, and Christians at Roman Dura-Europos*, exh. cat. (New York: Institute for the Study of the Ancient World, 2011), 51, nn. 27, fin. 2–



Pleiades: Synagogue phase 2 (Dura-Europos)
URI <https://pleiades.stoa.org/places/769637723>



Whole Site



City Wall of Dura-Europos

a Pleiades place resource

Creators: Anne Chen

Contributors: Kyle Conrau-Lewis, Tom Elliott, Jeffrey Becker

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Last modified Feb 09, 2021 10:54 AM — History

tags: YDEA project

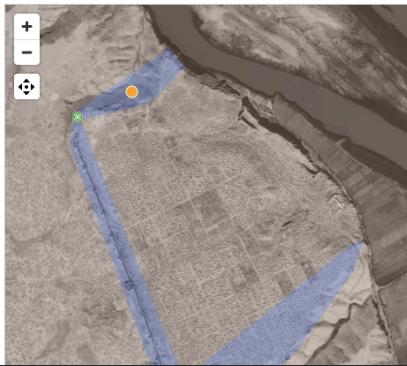
The fortified wall encircling the city of Dura-Europos built primarily of locally-quarried ashlar limestone blocks. Built ca. 150 BCE, the walls were breached in 256 CE and went out of use thereafter.

Canonical URI for this page:

<https://pleiades.stoa.org/places/15685985>

Representative Point (Latitude, Longitude):

34.751477334, 40.7272782914

 Locations:

- Plan Location of Walls (West Stretch) (200 BC - AD 300)
- Plan Location of Walls (South Stretch) (200 BC - AD 300)
- Plan Location of Walls (North Stretch) (200 BC - AD 300)

 Names:

None

 City Wall of Dura-Europos makes connections with:

- City Wall of Dura-Europos — part of (physical/topographic) —> D(o)ura/Europos (200 BC - AD 300)

 City Wall of Dura-Europos receives connections from:

- Tower 1 (Dura-Europos) — part of (physical/topographic) —> City Wall of Dura-Europos (unspecified date range)

Search

Search Site

Advanced Search...

Photos

This place has no portrait photo. One from the list of related photos could be suggested for the Pleiades Places group on Flickr.

0 other related photos...

Use this tag in Flickr to mark depictions of this place's site(s):

`pleiades:depicts=15685985`

or this one to mark objects found here:

`pleiades:findspot=15685985`

Related Content from Pelagios

This place is unknown to Pelagios.

Pelagios

Search

Search Site

Advanced Search...

Photos

This place has no portrait photo. One from the list of related photos could be suggested for the Pleiades Places group on Flickr.

0 other related photos...

Use this tag in Flickr to mark depictions of this place's site(s):

`pleiades:depicts=129809445`

or this one to mark objects found here:

`pleiades:findspot=129809445`

Related Content from Pelagios

This place is unknown to Pelagios.

Pelagios Datasets

Tower 1 (Dura-Europos)

a Pleiades place resource

Creators: Anne Chen

Contributors: Kyle Conrau-Lewis, Tom Elliott, Jeffrey Becker

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Last modified Jan 30, 2021 11:26 AM — History

tags: YDEA project

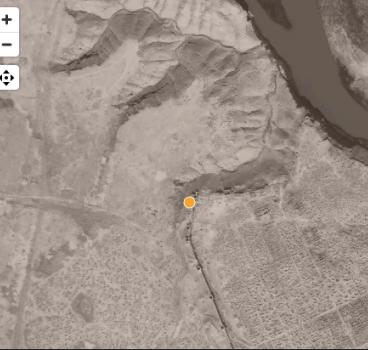
A rectangular defensive tower located on the northern end of the defensive circuit walls around the city of Dura-Europos. The fortifications were built ca. 150 BCE. They were breached in 256 CE and went out of use thereafter.

Canonical URI for this page:

<https://pleiades.stoa.org/places/129809445>

Representative Point (Latitude, Longitude):

34.7508599987, 40.7254829392

 Locations:

- Plan Location of Tower 1 (200 BC - AD 300)

 Names:

None

 Tower 1 (Dura-Europos) makes connections with:

- Tower 1 (Dura-Europos) — part of (physical/topographic) —> City Wall of Dura-Europos (unspecified date range)

 Tower 1 (Dura-Europos) receives connections from:

None

Place type:

tower (wall)



Special Thanks To:

- Jennifer Baird, Ph.D.
- Jeffrey Becker, Ph.D.
- Kyle Conrau-Lewis, Ph.D.
- Tom Elliott, Ph.D
- Simon Price, Ph.D.

Contact me:
anne.h.chen@yale.edu

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