

The Digital Marmor Parium

Materiality of ancient Greek fragmentary historiography

Monica Berti
(Universität Leipzig)

Digitales Edieren in der Klassischen Philologie
Bayerische Staatsbibliothek München
September 25-27, 2019

Outline

1. The *Digital Marmor Parium* project
2. Digital Philology and Epigraphy
3. Data Accessibility and Data Infrastructure

1.

The Digital Marmor Parium project

Marmor Parium

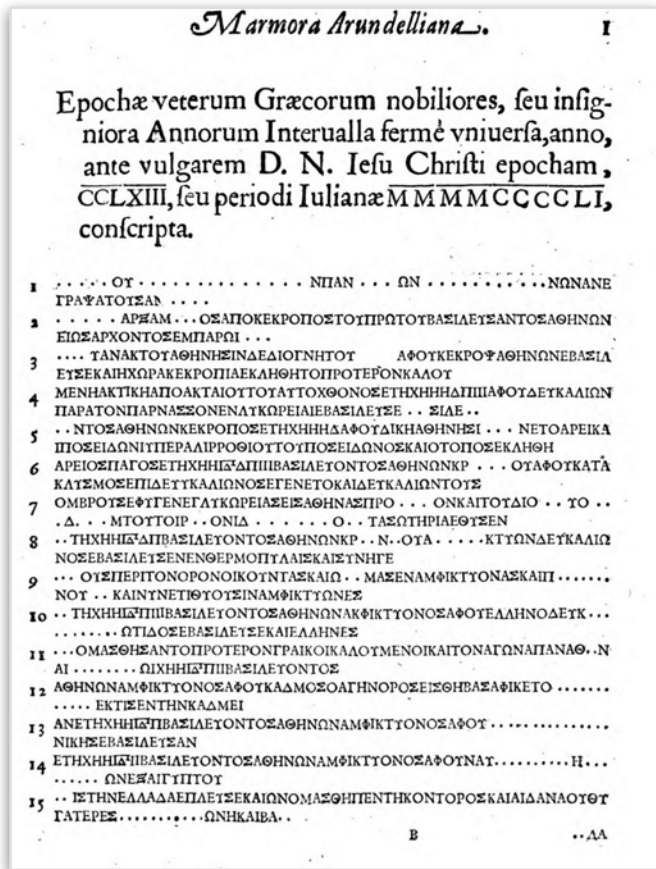
- Hellenistic chronicle on marble
- list of events: 1581/80 - 299/98 BC
- Panhellenic history with a focus on Athens
- double chronology:
 - number of years elapsing from 264/63 BC (acrophonic numerals)
 - name of Athenian king or archon
- the author of the text is unknown

Marmor Parium

- the date of composition/publication is unknown
(264/63 *terminus post quem*)
- the ultimate purpose of the document is unknown
- the original location is unknown
- chronological issues:
 - use of different sources based on different lists of archons
 - shift from an exclusive to an inclusive counting

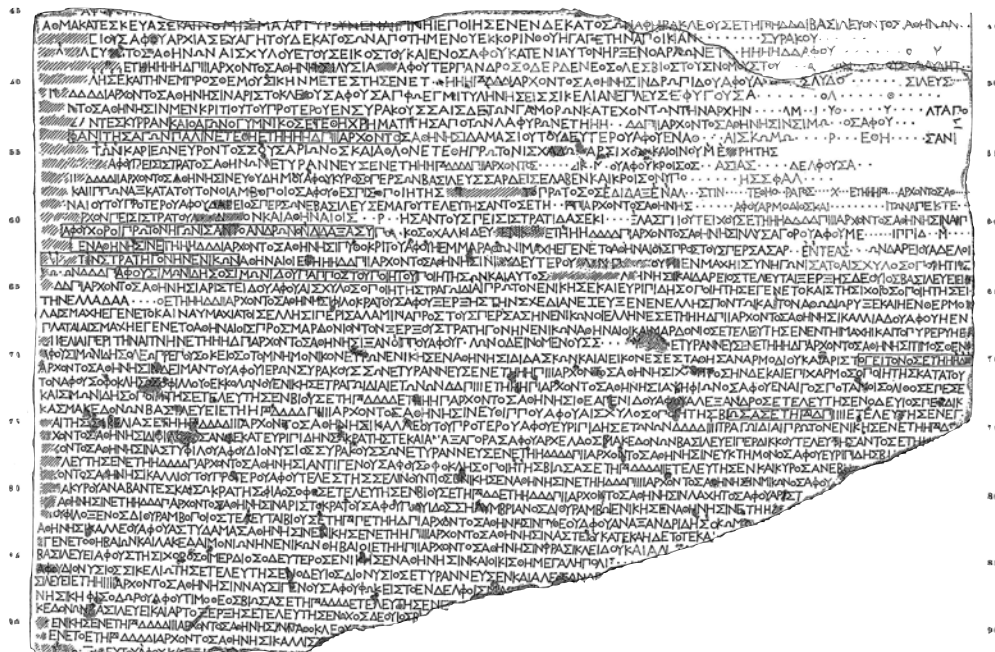
the stone

Fragment A (ll. 1-93)



A(a)

- bought in Smyrna in 1627 by Thomas Howard, Earl of Arundel
- published by John Selden in *Marmora Arundelliana* (London 1628)
- upper part (ll. 1-45) lost during the turmoils under Charles I

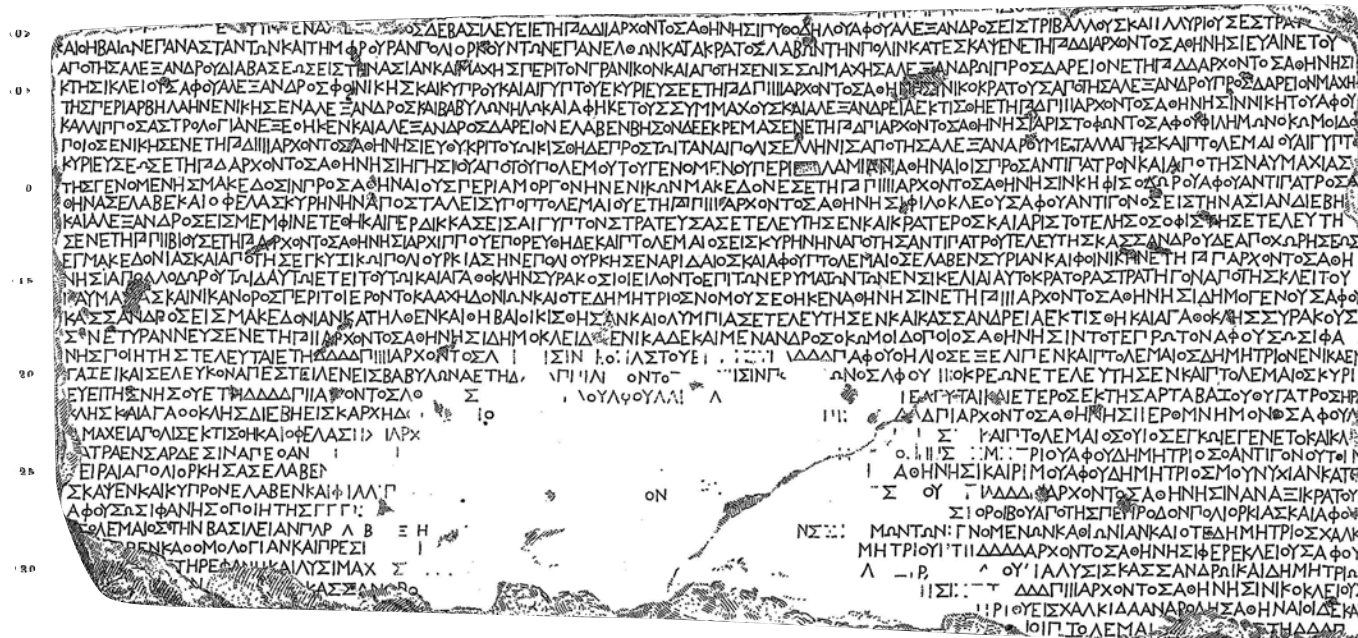


A(b)

- surviving part of A (ll. 46-93) preserved in Oxford since 1667
- today displayed in Oxford, Ashmolean Museum

the stone

Fragment B (ll. 1-34)



- discovered in Paros in 1897
- published by Krispi and Wilhelm in 1897
- today displayed in the Archaeological Museum of Paros

the stone



Fragment A
Oxford, Ashmolean Museum
(2015)



Fragment B
Paros, Archaeological Museum
(2015)

editions



CIG 2374 (fr. A = ll. 1-93) (1843)



FHG I, pp. 535-590 (fr. A = ll. 1-93) (1846)



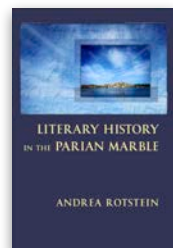
IG XII 5, 444 (fr. A and B) (1903)



F. Jacoby. *Das Marmor Parium* (1904)



FGrHist 239 (1929) + *BNJ* 239 (2016)

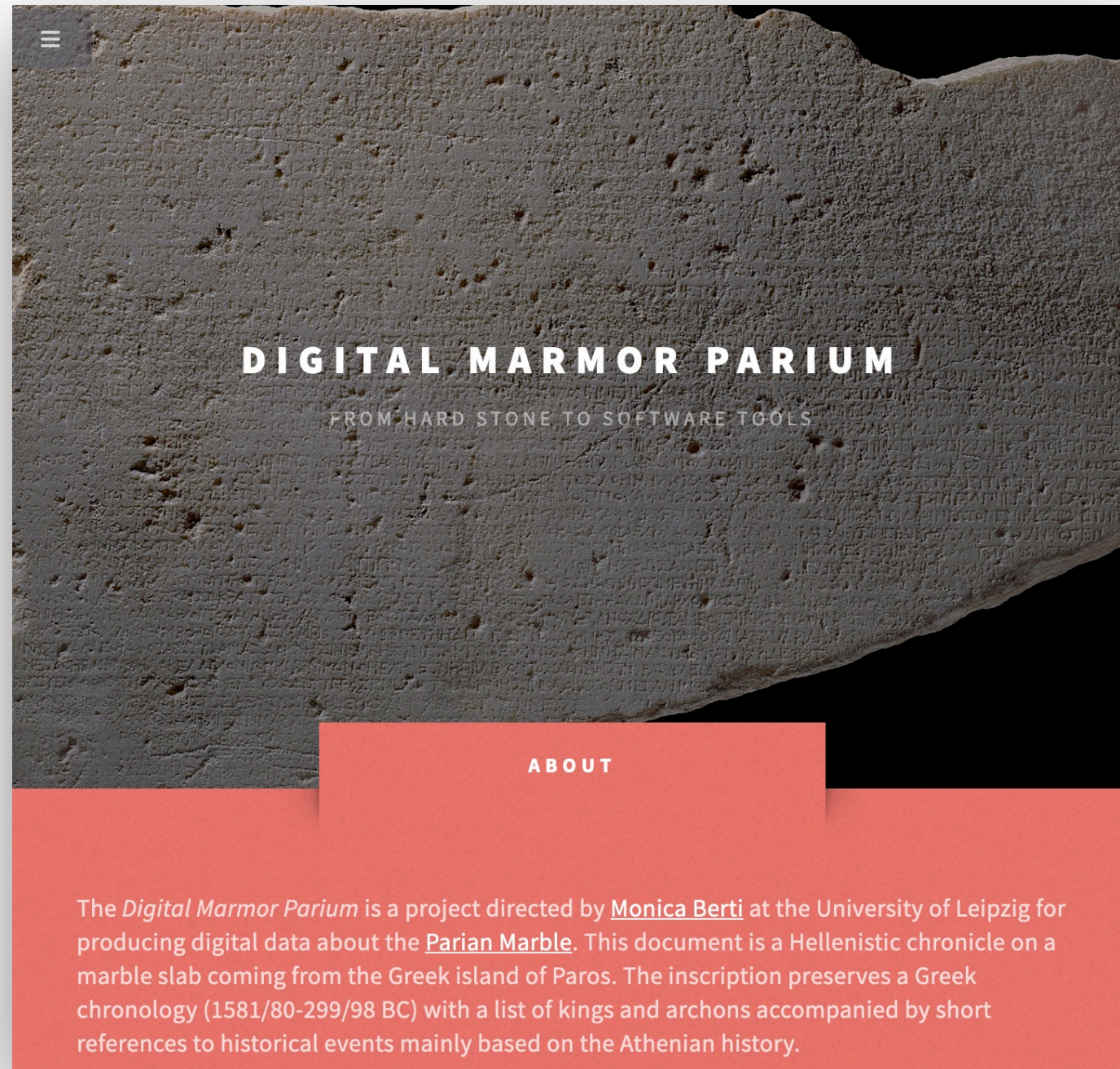


A. Rotstein. *Literary History in the Parian Marble* (2016)

text structure

Fragment	Entries	Athenian kings/archons	Chronology	Events
A(a) lines 1-45	1-29	Cecrops, Cranaos, Amphictyon, Erichthonios, Pandion, Erechtheus, Pandion, Aegeus, Theseus, Menestheus, Demophon, Menestheus, Diognetos	ca. 1581/80 – 907-05	mythological events related to Greek kings, poetry, religion, temple foundations, ...
A(b) lines 46-93	30-80	Pherecles, Aischylos, (681/80) Lysiades, Dropides, Aristocles, Critias the first, Simon, Damasios the second, Comeus, Euthydemos, Harpactides, Lysagoras, Pythocritos, Phainippides the second, Aristeides, Philocrates, Kalliades, Xanthippos, Timosthenes, Adeimantos, Chares Apsephion, Theagenides, Euthippos, Callias the first, Diphilos, Astyphilos, Euctemon, Antigenes, Callias the first, Mikon, Laches, Aristocrates, Pytheus, Callias, Asteios, Phrasicleides, Nausigenes, Cephisodoros, Agathocles, Callistrates	ca. 895-93 – 354	annual archonship, innovations in music and theatre, life of tragedians, comedians and other poets, historical events, ...
B lines 1-34	1-27	Pythodelos, Euainetos, Ctesicles, Nicocrates, Niketos, Aristophon, Euthycrites, Hegesios, Cephisodoros, Philocles, Archippos, Apollodoros, Demogenes, Democleides, Theophrastos, Polemon, Simonides, Hieromnemon, Demetrios, Cairimos, Anaxicrates, Coroibos, Euxenippos, Pherecles, Leostratos, Nicocles, Euctemon	ca. 336/35 – 299/98	historical events of the Hellenistic age, life of poets, city foundations, natural events (eclipses, earthquakes), ...

Digital Marmor Parium



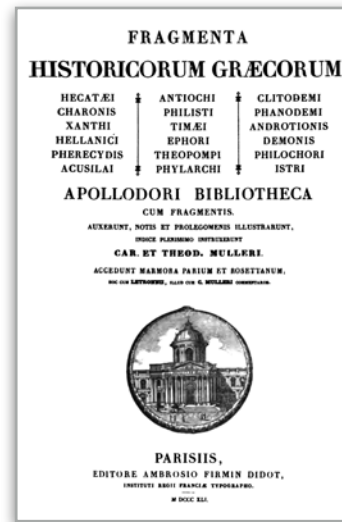
☰

DIGITAL MARMOR PARIUM
FROM HARD STONE TO SOFTWARE TOOLS

ABOUT

The *Digital Marmor Parium* is a project directed by [Monica Berté](#) at the University of Leipzig for producing digital data about the [Parian Marble](#). This document is a Hellenistic chronicle on a marble slab coming from the Greek island of Paros. The inscription preserves a Greek chronology (1581/80-299/98 BC) with a list of kings and archons accompanied by short references to historical events mainly based on the Athenian history.

<http://www.digitalmarmorparium.org>



Digital Fragmenta Historicorum Graecorum (DFHG)

Fragmenta Historicorum Graecorum (FHG) vol. I
(edition of the Marmor Parium)

<http://www.dfhg-project.org>



- Marmor Parium: fragmentary author/text



- digital representation of the Marmor Parium



2.

Digital Philology and Epigraphy



- **character encoding** for ancient Greek
- **EpiDoc XML** encoding
- digital representation of **chronological data**
- Named Entity Recognition and Annotation: **NER**
- **linguistic annotation**
- **images**



character encoding



character encoding

3. Ἄφ' οὗ δίκη Ἀθήνησι[ν
ἐγένετο Ἄρει καὶ Ποσειδῶνι
ὑπὲρ Ἀλιόροθίου τοῦ
Ποσειδῶνος, καὶ ὁ τόπος
ἐκλήθη Ἄρειος πάγος, ἔτη
ΧΗΗ⁰¹⁰₁₄₉ΔΓΙΙΙ, βασιλεύοντος
Ἀθηνῶν Κρ[ανα]οῦ.

Marmor Parium A 3

ΧΗΗ^ΔΔΓΙΙΙ
=
1268
=
(1531/30 BC)



character encoding

Ἄφ' οὗ δίκη Ἀθήνησι[ν
ἐγένετο Ἄρει καὶ Ποσειδῶνι
ὑπὲρ Ἀλιρρόθιου τοῦ
3. Ποσειδῶνος, καὶ ὁ τόπος
ἐκλήθη Ἄρειος πάγος, ἔτη
XHH¹⁴⁴ΔΓΙΙΙ, βασιλεύοντος
Ἀθηνῶν Κρ[ανα]οῦ.

Marmor Parium A 3

XHH^ΔΔΓΙΙΙ
=
1268
=
(1531/30 BC)

X = 1000
H = 100
Γ = 5
Δ = 10
I = 1

10144 ^Δ GREEK ACROPHONIC ATTIC FIFTY

http://www.dfhg-project.org/DFHG/index.php?volume=Volumen_primum#urn:lofts:fhg.1.marmor_parium.i:3

<https://epigraphy.packhum.org/text/77668>

<https://unicode.org/charts/PDF/U10140.pdf>



character encoding

3. Ἀφ' οὗ δίκη Ἀθήνησι[ν
ἐγένετο Ἄρει καὶ Ποσειδῶνι
ὑπὲρ Ἀλιρρόθιου τοῦ
Ποσειδῶνος, καὶ ὁ τόπος
ἐκλήθη Ἄρειος πάγος, ἔτη
ΧΗΗϞΔΓΙΙΙ, βασιλεύοντος
Ἀθηναίων Κρ[ανα]οῦ.

Marmor Parium A 3

ΧΗΗϞΔΓΙΙΙ
=
1268
=
(1531/30 BC)

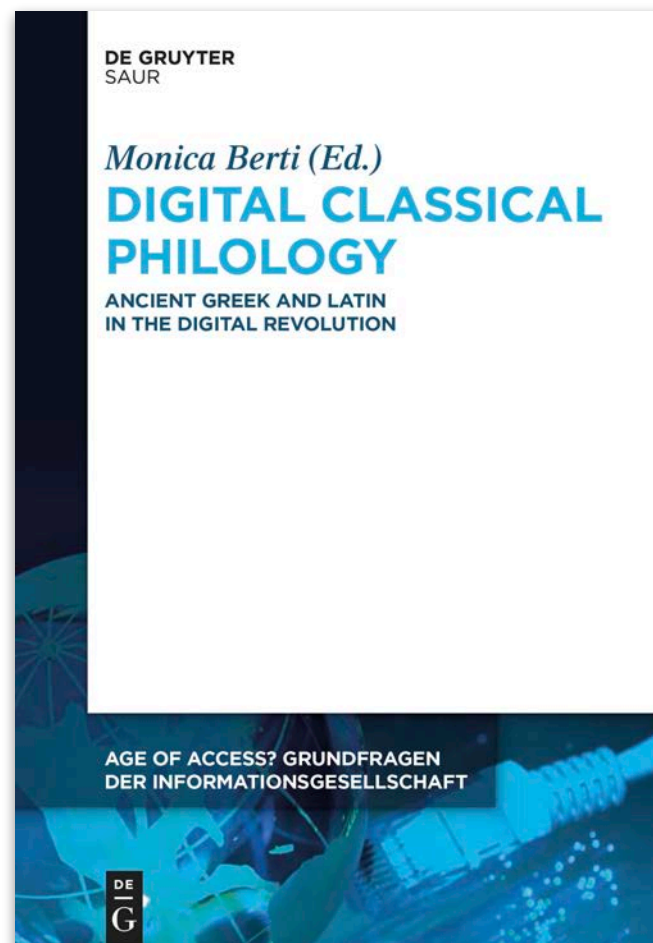
X = 1000
H = 100
Ϟ = 5
Δ = 10
I = 1

10144 Ϟ GREEK ACROPHONIC ATTIC FIFTY

http://www.dfhg-project.org/DFHG/index.php?volume=Volumen_primum#urn:lofts:fhg.1.marmor_parium.i:3

<https://epigraphy.packhum.org/text/77668>

<https://unicode.org/charts/PDF/U10140.pdf>



<https://doi.org/10.1515/9783110599572>

James K. Tauber

Character Encoding of Classical Languages

Abstract: Underlying any processing and analysis of texts is the need to represent the individual characters that make up those texts. For the first few decades, scholars pioneering digital classical philology had to adopt various workarounds for dealing with the various scripts of historical languages on systems that were never intended for anything but English. The Unicode Standard addresses many of the issues with character encoding across the world's writing systems, including those used by historical languages, but its practical use in digital classical philology is not without challenges. This chapter will start with a conceptual overview of character coding systems and the Unicode Standard in particular but will discuss practical issues relating to the input, interchange, processing and display of classical texts. As well as providing guidelines for interoperability in text representation, various aspects of text processing at the character level will be covered including normalisation, search, regular expressions, collation, and alignment.

Introduction

The representation of texts electronically must be grounded in the representation of individual characters in those texts and it is for this reason that character encoding is a foundational part of digital philology.

In this chapter we will look at the character encoding of classical texts with an emphasis on Unicode. I will provide a conceptual introduction and brief history to illustrate the development of those concepts. To avoid being too abstract, however, I will give examples relevant to Ancient Greek as well as demonstrate certain processing characteristics of Unicode via snippets of Python. I include discussion of things to watch out for and common pitfalls.

Preliminaries and history

The idea of encoding the letters of the alphabet using combinations of a much smaller set of symbols goes back centuries. Francis Bacon developed a secret

James K. Tauber, Eldarion

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EpiDoc/XML encoding



EpiDoc/XML encoding

FGrHist 239 A (ll. 62-64)
(the battle of Marathon)

48 ἀφ' οὗ ἡ ἐμ Μαραθῶνι μάχη ἐγένετο Ἀθηναίοις πρὸς τοὺς Πέρσας Ἀρ[ταφ]έ[ρνην τε
τὸ]ν Δαρείου ἀδελφι|[δοῦν κα]ὶ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, **ἔτη ΗΗΔΔΓΠ**,
ἄρχοντας Ἀθήνησιν τ[ο]ῦ δευτέρου [Φ]α[ι]ν[ι]π[πίδ]ου· ἦι ἐν μάχῃ συνηγωνίσασατο
Αἰσχύλος ὁ ποιητής, | [ἐ[τ]ῶ[ν] ὄν ΔΔΔΓ



FGrHist 239 A (ll. 62-64)
(the battle of Marathon)

48 **ἀφ' οὗ** ἡ ἐμ Μαραθῶνι μάχη ἐγένετο Ἀθηναίοις πρὸς τοὺς Πέρσας Ἀρ[ταφ]έ[ρνην τε
τὸ]ν Δαρείου ἀδελφι|[δοῦν κα]ὶ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, **ἔτη ΗΗΔΔΓΠ**,
ἄρχοντας Ἀθήνησιν τ[ο]ῦ δευτέρου [Φ]α[ι]ν[ι]π[πίδ]ου. ἦι ἐν μάχῃ συνηγωνίσασατο
Αἰσχύλος ὁ ποιητής, | [ἐ[τ]ῶ[ν] ὦν ΔΔΔΓ

- **starting point**
- number of years elapsing from 264/63 (227 = 490/89)
- name of the Athenian archon
- age of Aeschylus when he fought at Marathon (35)



FGrHist 239 A (ll. 62-64)
(the battle of Marathon)

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τὸ]ν Δαρείου ἀδελφι|[δοῦν κα]ὶ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, **ἔτη ΗΗΔΔΓΠ**,
ἄρχοντας Ἀθήνησιν τ[ο]ῦ δευτέρου [Φ]α[ι]ν[ι]π[πίδ]ου· ἦι ἐν μάχῃ συνηγωνίσασατο
Αἰσχύλος ὁ ποιητής, | [ἐ[τ]ῶ[ν] ὦν ΔΔΔΓ

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τὸ]ν Δαρείου ἀδελφι|[δοῦν κα]ὶ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, ἔτη **ΗΗΔΔΓΠ**,
ἄρχοντας Ἀθήνησιν τ[ο]ῦ δευτέρου [Φ]α[ι]ν[ι]π[πίδ]ου. ἦι ἐν μάχῃ συνηγωνίσασατο
Αἰσχύλος ὁ ποιητής, | [ἐ[τ]ῶ[ν] ὦν ΔΔΔΓ

- starting point
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τὸ]ν Δαρείου ἀδελφι|[δοῦν κα]ὶ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, ἔτη **ΗΗΔΔΓΠ**,
ἄρχοντας Ἀθήνησιν τ[ο]ῦ δευτέρου [Φ]α[ι]ν[ι]π[πίδ]ου· ἦι ἐν μάχῃ συνηγωνίσασατο
Αἰσχύλος ὁ ποιητής, | [ἐ]τ[ῶ]ν ὢν ΔΔΔΓ

- starting point
- number of years elapsing from 264/63 (227 = 490/89)
- name of the Athenian archon
- **age of Aeschylus when fighting at Marathon (35)**



EpiDoc/XML encoding

IG XII 5, 444 (ll. 62-64) (entry 48)

48 ἀφ' οὗ ἢ ἐμ Μαραθῶνι μάχη ἐγένετο Ἀθηναίοις πρὸς τοὺς Πέρσας Ἀρ[ταφ]έ[ρνην τε τὸ]ν Δαρείου ἀδελ[φ]ι[δοῦν
κα]ἰ [Δᾶ]τιν στρατηγόν, ἦν ἐνίκων Ἀθηναῖοι, ἔτη ΗΗΔΔΓΠ, ἄρχοντος Ἀθήνησιν [τοῦ] δευτέρου [Φα]ιν[ί]π[που], ἦι
ἐν μάχῃ συνηγωνίσατο Αἰσχύλος ὁ ποιητῆς [ἐ][τ]ῶ[ν] ὦν ΔΔΔΓ.

```
<seg type="entry" n="48">ἀφ' οὗ ἢ ἐμ <placeName>Μαραθῶνι</placeName> μάχη ἐγένετο Ἀθηναίοις πρὸς τοὺς Πέρσας
<persName><name>Ἀρ<supplied reason="lost">ταφ</supplied>έ<supplied reason="lost">ρνην</supplied></name>
<supplied reason="lost">τε τὸ</supplied>ν <persName><name>Δαρείου</name></persName> ἀδελ<supplied reason="lost">φ</supplied>ι
<lb n="63" break="no"/><supplied reason="lost">δοῦν</supplied></persName> <supplied reason="lost">κα</supplied>ἰ
<persName><name><supplied reason="lost">Δᾶ</supplied>τιν</name> στρατηγόν</persName>,
ἦν ἐνίκων Ἀθηναῖοι, ἔτη <date from="-0490" to="-0489" when-custom="227" datingMethod="#marmor_parium">
<num type="acrophonic">ΗΗΔΔ&#x10143;ΠΙ</num></date>,
ἄρχοντος <placeName>Ἀθήνησιν</placeName>
<supplied reason="lost">τοῦ</supplied> δευτέρου
<persName><name><supplied reason="lost">Φα</supplied>ιν<supplied reason="lost">ί</supplied>π<supplied reason="lost">που</supplied>
</name></persName>, ἦι ἐν μάχῃ συνηγωνίσατο <persName><name>Αἰσχύλος</name>
ὁ ποιητῆς</persName> <supplied reason="lost">ἐ
<lb n="64" break="no"/>τ<supplied reason="lost">ῶ<supplied reason="lost">ν</supplied>
ὦν <date type="age" dur="P35Y"><num type="acrophonic">ΔΔΔ&#x10143;</num></date>.</seg>
```



- entry for each event

```
<seg type="entry" n="48">. . .</seg>
```



- **personal names**

Ἄρ[ταφ]έ[ρνην τε τὸ]ν Δαρείου ἀδελ[φ]ι|[δοῦν

```
<persName><name>Ἄρ<supplied reason="lost">ταφ</supplied>έ<supplied reason="lost">ρνην</supplied></name><supplied reason="lost">τε τὸ</supplied>ν<persName><name>Δαρείου</name></persName> ἀδελ<supplied reason="lost">φ</supplied>ι<lb n="63" break="no"><supplied reason="lost">δοῦν</supplied></persName>
```



- **personal names**

Ἄρ[ταφ]έ[ρνην τε τὸ]ν Δαρείου ἀδελ[φ]ι|[δοῦν

```
<persName><name>Ἄρ<supplied reason="lost">ταφ</supplied>έ<supplied reason="lost">ρνην</supplied></name><supplied reason="lost">τε τὸ</supplied>ν<persName><name>Δαρείου</name></persName> ἀδελ<supplied reason="lost">φ</supplied>ι<lb n="63" break="no"><supplied reason="lost">δοῦν</supplied></persName>
```

family relationship: SNAP ontology

<http://snap.dighum.kcl.ac.uk/ontology/>

<http://www.stoa.org/epidoc/gl/latest/idx-persnames.html>

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SNAP:DRGN is building a virtual authority list for ancient people through Linked Data collection of common information from many collaborating projects. The graph will provide: 1. identifiers for all persons who appear in one or more corpora and catalogues; 2. gold standard normalization data for parsing and proofing tools; 3. visualization of ancient persons, names, titles and relationships; 4. research tools for historians; 5. standards and software contributing to the Linked Ancient World Data community.

ISBN 978-1-912466-14-6

<https://snapdrgn.net/ontology>
<https://dh2016.adho.org/abstracts/262>

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- **other examples from the DMP**

- Τριπτολέμου τοῦ Κελεοῦ καὶ Νεαίρας (l. 24 - ep. 12) – name of the father and the mother
- Κριτίου τοῦ προτέρου (l. 52 - ep. 36) – how do we encode τοῦ προτέρου?
- τῶν πενήκοντα Δαναίδων (l. 14 - ep. 9) – collective nouns

<https://snapdrgn.net/ontology>

<https://dh2016.adho.org/abstracts/262>



- personal names

ἄρχοντος Ἀθήνησιν [τοῦ] δευτέρου [Φα]ιν[ί]π[που]

ἄρχοντος <placeName>Ἀθήνησιν</placeName><supplied
reason="lost">τοῦ</supplied> δευτέρου <persName><name>
<supplied reason="lost">Φα<supplied>ιν<supplied
reason="lost">ί<supplied>π<supplied reason="lost">που</
supplied></name></persName>



- **personal names**

ἄρχοντος Ἀθήνησιν [τοῦ] δευτέρου [Φα]ιν[ί]π[που]

ἄρχοντος <placeName>Ἀθήνησιν</placeName><supplied
reason="lost">τοῦ</supplied> δευτέρου <persName><name>
<supplied reason="lost">Φα<supplied>ιν<supplied
reason="lost">ί<supplied>π<supplied reason="lost">που</
supplied></name></persName>

chronology expressed by the archonship: <date> ... </date>

<http://www.stoa.org/epidoc/gl/latest/idx-datesage.html>

<http://www.stoa.org/epidoc/gl/latest/idx-persnames.html>



- place names

<placeName>Μαρθῶνι</placeName>



Pleides ID

<https://pleiades.stoa.org>



- dates and other chronological data

(227 = 490/89)

ἔτη ΗΗΔΔΓΙΙ

```
<date from="-0490" to="-0489" when-custom="227"  
datingMethod="#marmor_parium"> <num  
type="acrophonic">ΗΗΔΔΓΙΙ</num></date>
```

(35 years of age)

[ἐ]||[τ]ῶ[ν] ὠν ΔΔΔΓ

```
<date type="age" dur="P35Y">  
<num type="acrophonic">ΔΔΔΓ</num></date>
```



- dates and other chronological data

(227 = 490/89)

ἔτη ΗΗΔΔΓΙΙ

```
<date from="-0490" to="-0489" when-custom="227"  
datingMethod="#marmor_parium"> <num  
type="acrophonic">ΗΗΔΔ&#x10143;ΙΙ</num></date>
```

(35 years of age)

[ἐ][τ]ῶ[ν] ὦν ΔΔΔΓ

```
<date type="age" dur="P35Y"><num  
type="acrophonic">ΔΔΔ&#x10143;</num></date>
```



- dates and other chronological data

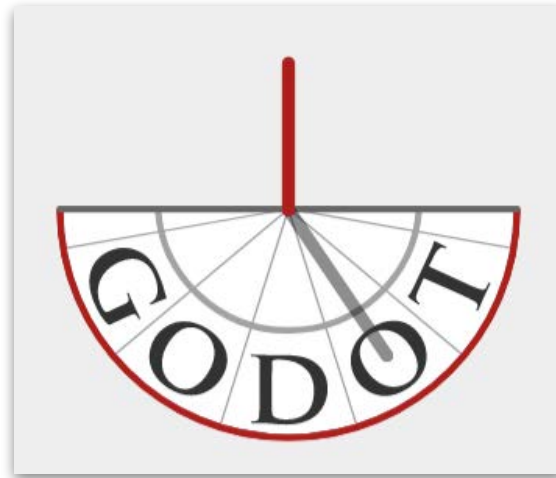
office span
(21st year of kingship)

31 ἀφ' οὗ Ἀρχίας Εὐαγήτου δέκατος ὢν ἀπὸ Τημένου ἐκ
Κορίνθου ἤγαγε τὴν ἀποικίαν [καὶ ἔκτισε] Συρακού[σας,
ἔτη — — —,] [... βασι]λεύ[ον]τος Ἀθηνῶν Αἰσχύλου, ἔτους
εἰκοστοῦ καὶ ἑνός

βασιλεύοντος Ἀθηνῶν Αἰσχύλου, `<date type="office-span"
dur="P21Y">`ἔτους εἰκοστοῦ καὶ ἑνός`</date>`



chronological data



GODOT – Graph of Dated Objects and Texts

<https://godot.date>



chronological visualization

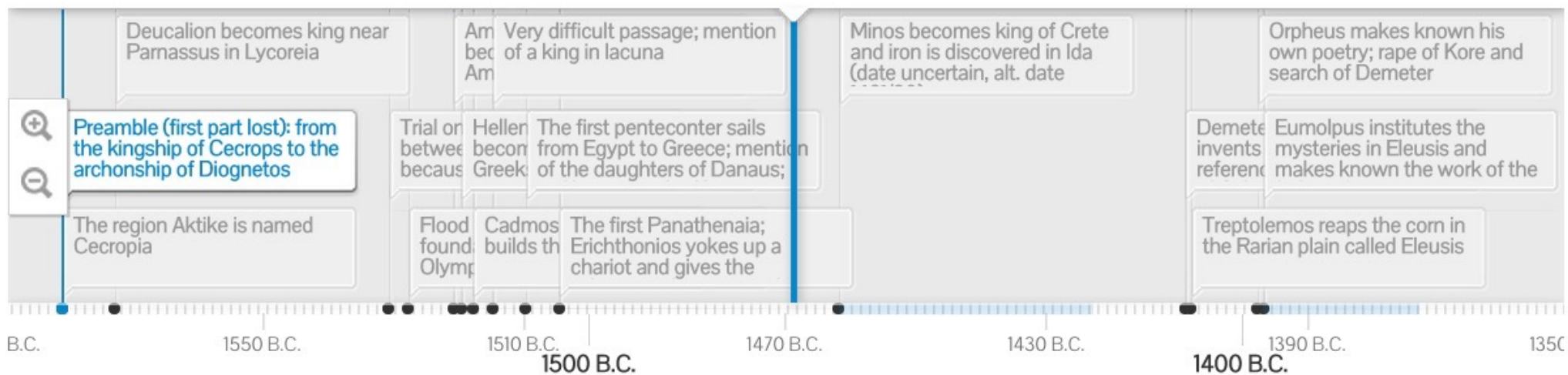
1581 B.C.

Preamble (first part lost): from the kingship of Cecrops to the archonship of Diognetos

.....ου [... {²nomen auctoris}² ἐκ συγγραμμάτων(?) παν[τοί]ων — —
— — — — νων(?) ἀνέγραψα τοὺς ἀν — — — — —
ἀρξάμ[εν]ος ἀπὸ Κέκροπος τοῦ πρώτου βασιλεύσαντος Ἀθηνῶν
εἰὼς ἄρχοντος ἐμ Πάρωι [μὲν {²lacuna?}²] [...]υάνακτος, Ἀθήνησιν
δὲ Διογνήτου (Kingship of Cecrops)



1581 B.C.
The region Aktike
is named Cecropia

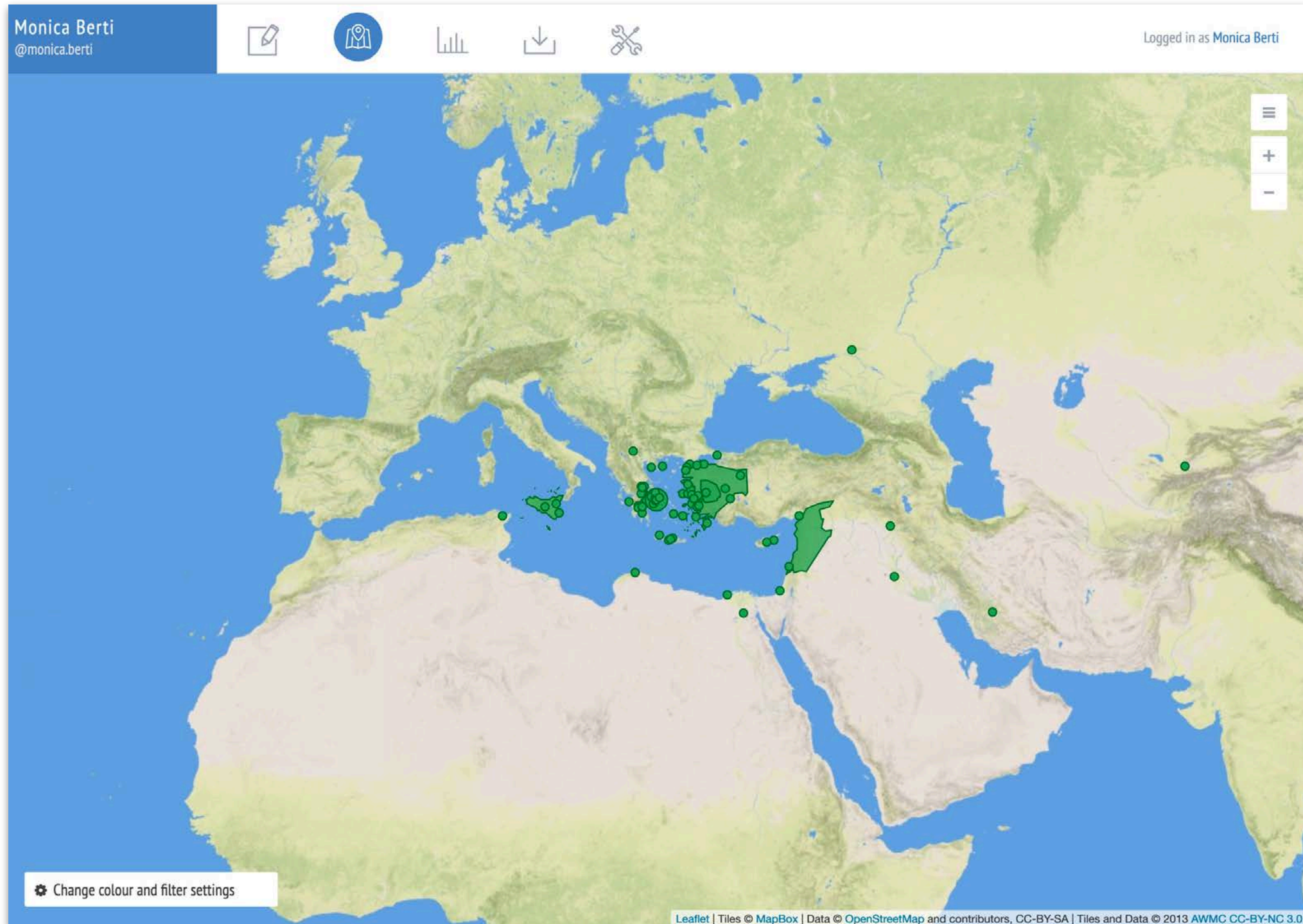




Named Entity Recognition



Named Entity Recognition





Monica Berti
@monica.berti

Activity

★ Entities

Tags



Completion

256	Places tagged
252	Verified (98.44%)
4	Flagged (1.56%)



Flagged Toponyms

Toponym	# Flagged
τοῦ Διὸς τοῦ [Ὀλυμπίου τὸ ἱερὸν	1
Ἄρειος Πάγος	1
Ἀρεῖ[ω] Πάγ[ω]	1
Κυβέλοις	1

Resolved Places

Place ID	Toponym in Document	# of Occurrences
http://pleiades.stoa.org/places/579885	Ἀθηνῶν	30
http://pleiades.stoa.org/places/579885	Ἀθήνησι	35
http://pleiades.stoa.org/places/579885	Ἀθήνησι	1
http://pleiades.stoa.org/places/579885	Ἀθήνησιν	42
http://pleiades.stoa.org/places/579885	[Ἀθή]νησι	1
http://pleiades.stoa.org/places/579885	Ἀθήνησι	2
http://pleiades.stoa.org/places/579885	Ἀθηνησι	1
http://pleiades.stoa.org/places/579885	ἄστει	1
http://pleiades.stoa.org/places/579885	Ἀθήνησι	1
http://pleiades.stoa.org/places/579885	Ἀθήνησιν	1

Place Statistics

Places total	256
Average distance (characters):	4525.70
Standard deviation	2567.50
Resolved places total	246
Average centroid distance (km)	364.99
Standard deviation	567.27

DMP Chronological Table										
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fx 216										
	A	B	C	D	E	F	G	H	I	J
1	Marmor Parium Fragment (entries)	Lines	Event	Marmor Parium Year [FGrHist 239]	Marmor Parium Year [IG 12, 5, 444]	Year (Gregorian calendar) [FGrHist 239]	Year (Gregorian calendar) [IG 12.5.444]	Athenian king	Athenian archon	Other names
2	A (a)	1-45								
3	0	1-3	Preamble (first part lost): from the kingship of Cecrops to the archonship of Diognetos	-	-	1581/80-264/3	1581/80-263/62	Cecrops	Diognetos	Parian archon (--Juanax
4	1	3-4	The region Aktike is named Cecropia	1318	1318	1581/80	1581/80	Cecrops	-	Aktaios
5	2	4-5	Deucalion becomes king near Parnassus in Lycoreia	1310	1310	1573/72	1573/72	Cecrops	-	Deucalion
6	3	5-6	Trial between Ares and Poseidon because of Halirrhothios; the place is called Areopagus	1268	1268	1531/30	1531/30	Cranaos	-	Ares, Poseidon; Halirrhothios
7	4	6-8	Flood in the time of Deucalion; foundation of the temple of Olympian Zeus	1265	1265	1528/27	1528/27	Cranaos	-	Deucalion
8	5	8-10	Amphictyon, son of Deucalion, becomes king in Thermopylae; origin of the Amphictyons	1258	1258	1521/20	1521/20	Amphictyon	-	Amphictyon
9	6	10-12	Hellen, son of Deucalion, becomes king of Phthiotis; the Greeks are named Hellenes; the Panathenaic games ...	1257	1257	1520/19	1520/19	Amphictyon	-	Hellen
10	7	12-13	Cadmos comes to Thebes and builds the Cadmeia	1255	1255	1518/17	1518/17	Amphictyon	-	Cadmos
11	8	13-14	Very difficult passage; mention of a king in lacuna	1252	1252	1515/14	1515/14	Amphictyon	-	*different reconstruction in Jacoby
12	9	14-17	The first penteconter sails from Egypt to Greece; mention of the daughters of Danaus; Helike and Archedike	1247	1247	1510/09	1510/09	Erichthonios	-	Danaos; Danaides, Helike; Archedike

DMP Chronological Table

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fx 216

	A	B	C	D	E	F	G	H	I	J
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+ Marmor Parium Athenian kings Athenian archons Other names Places



IN INCEpTION - Welcome

A semantic annotation platform offering intelligent assistance and knowledge management

The annotation of specific semantic phenomena often require compiling task-specific corpora and creating or extending task-specific knowledge bases. Presently, researchers require a broad range of skills and tools to address such semantic annotation tasks.

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» Klie, J.-C., Bugert, M., Boulosa, B., Eckart de Castilho, R. and Gurevych, I. (2018): *The INCEpTION Platform: Machine-Assisted and Knowledge-Oriented Interactive Annotation*. In *Proceedings of System Demonstrations of the 27th International Conference on Computational Linguistics (COLING 2018)*, Santa Fe, New Mexico, USA (pdf) (bib) (flyer) «

For publications on more specific aspects of the platform, have a look at our [complete publications list](#).

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Authority Lists and Knowledge Bases



LEXICON OF
GREEK PERSONAL NAMES

- **Lexicon of Greek Personal Names (LGPN)**

<http://www.lgpn.ox.ac.uk>



- **Pleiades Gazetteer**

<https://pleiades.stoa.org>



- **Trismegistos People (beta version)**

<https://www.trismegistos.org/ref/>

Standards for
Networking Ancient Prosopographies

- **Standards for Networking Ancient Prosopographies**

<https://snapdrgn.net>



- **VIAF**

<https://viaf.org>



- **DBpedia**

<https://wiki.dbpedia.org>



- **Wikidata**

<https://www.wikidata.org>

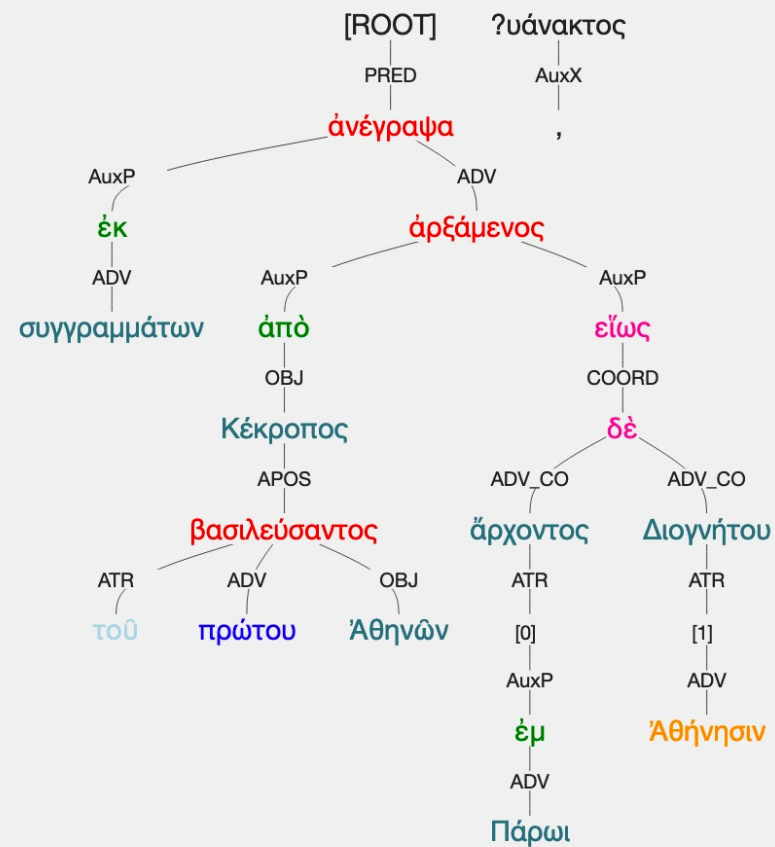


linguistic annotation

Search for document 1

?ου **ἐκ** συγγραμμάτων παντοίων ?ων **ἀνέγραψα** τοὺς **ἀν** ἀρξάμενος [0] **ἀπὸ**
Κέκροπος τοῦ πρώτου βασιλεύσαντος Ἀθηνῶν **εἰς** ἄρχοντας **ἐμ** Πάρωι
μὲν ?υάνακτος , **Ἀθήνησιν** **δὲ** [1] Διογνήτου

selection **none** 7 unused highlight unused



morph	relation	SG	aT	selector
history	comments	⚙		

8 of 27 unused

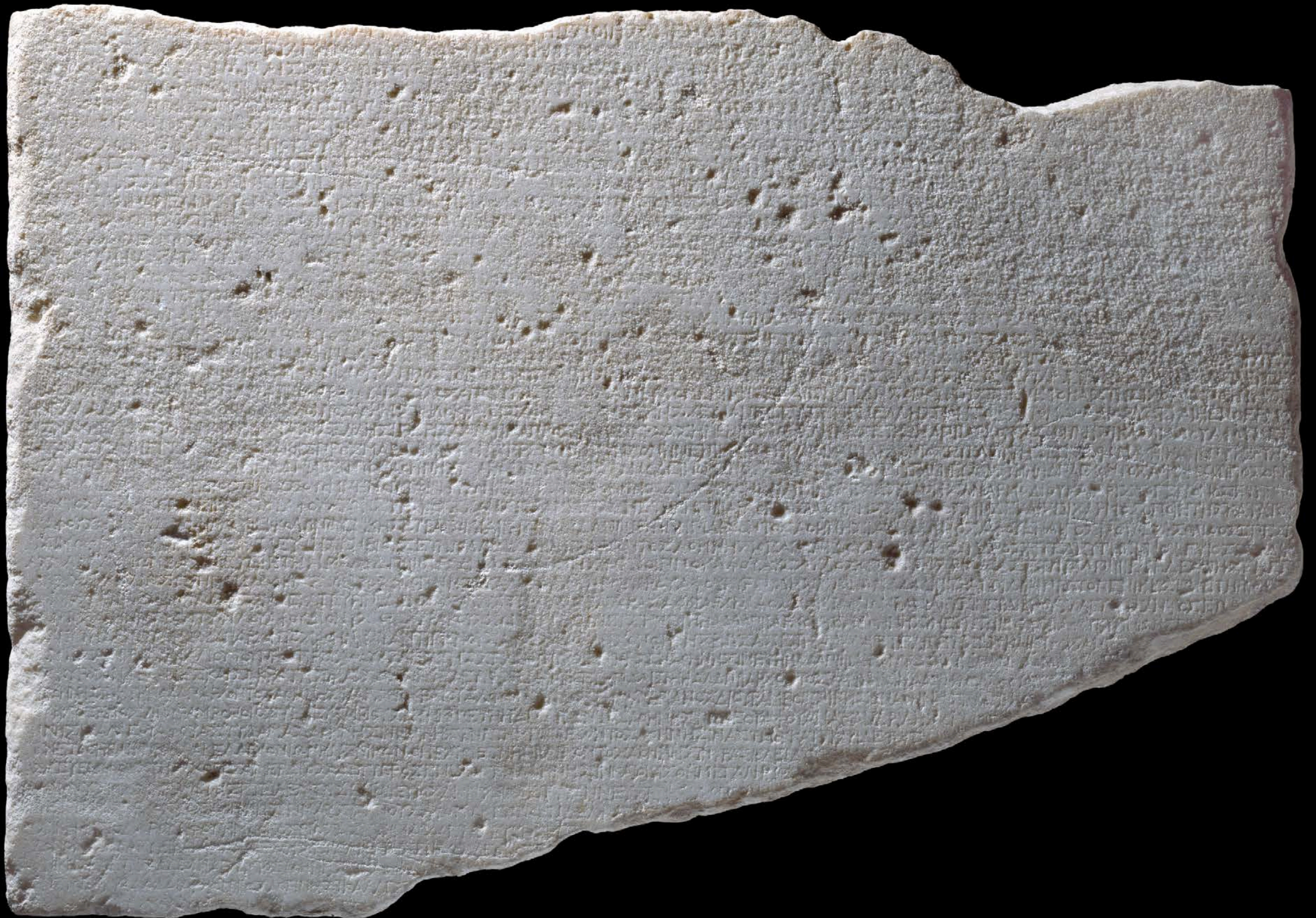


Image Citation Tool 2 v.1.0.1

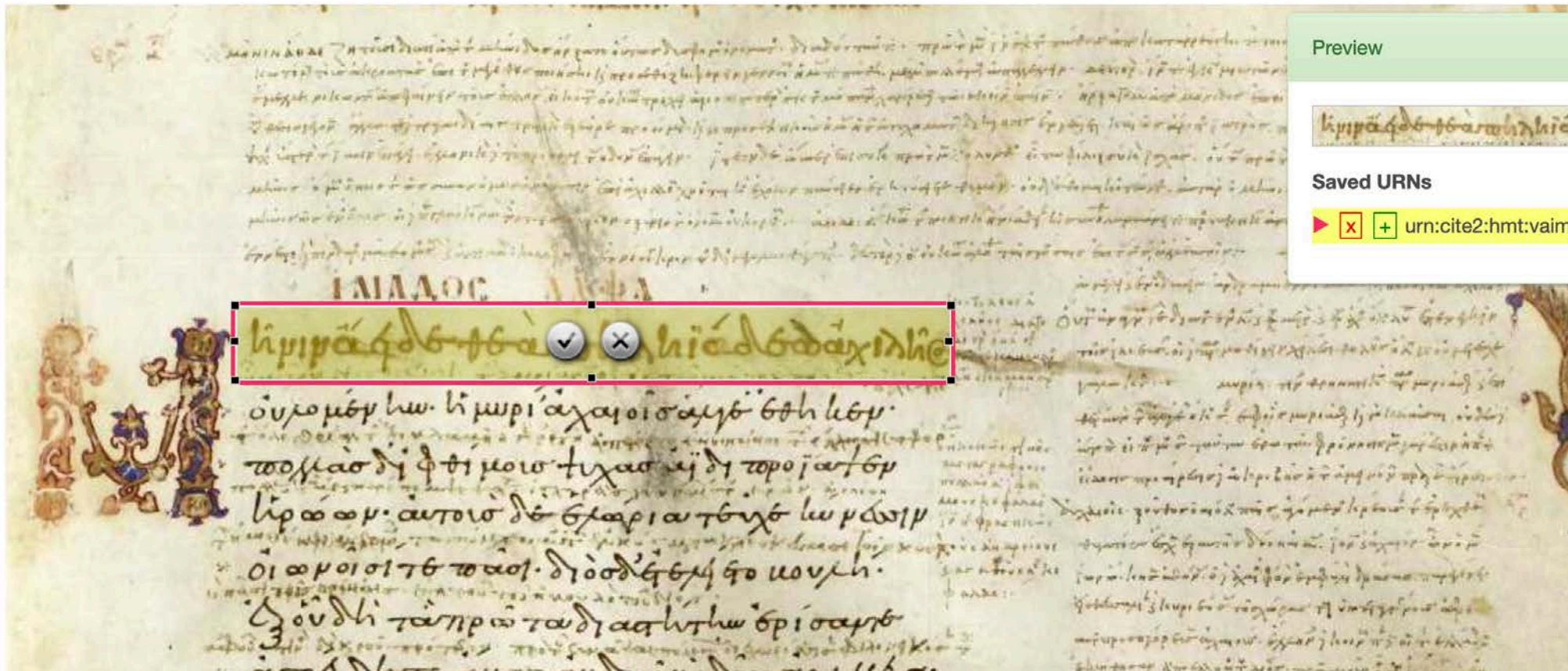
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RTIViewer
RTIViewer 1.1.0

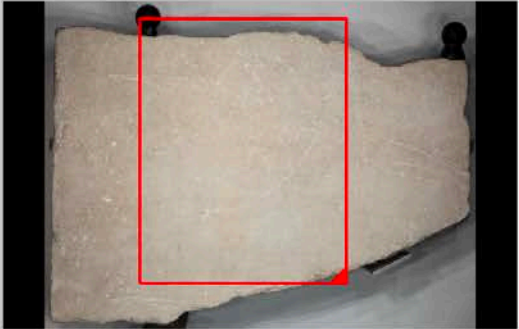


Light
x 0,07
y -0,93
Zoom
39%
Pan
x 1051
y 200

Rendering mode
Default

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3.

Data Accessibility and Data Infrastructure



Thank You

Monica Berti

monica.berti@uni-leipzig.de