



Geography and Economy of the Imperial Properties in the Roman World

**Reconstruire la géographie du patrimoine des empereurs romains : édition,
annotation et exploration des données spatiales dans la plateforme PATRIMONIVM**

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GdR MAGIS – AP humanités numériques spatialisées – 24 juin 2020



European Research Council

Le projet ERC PATRIMONIVM

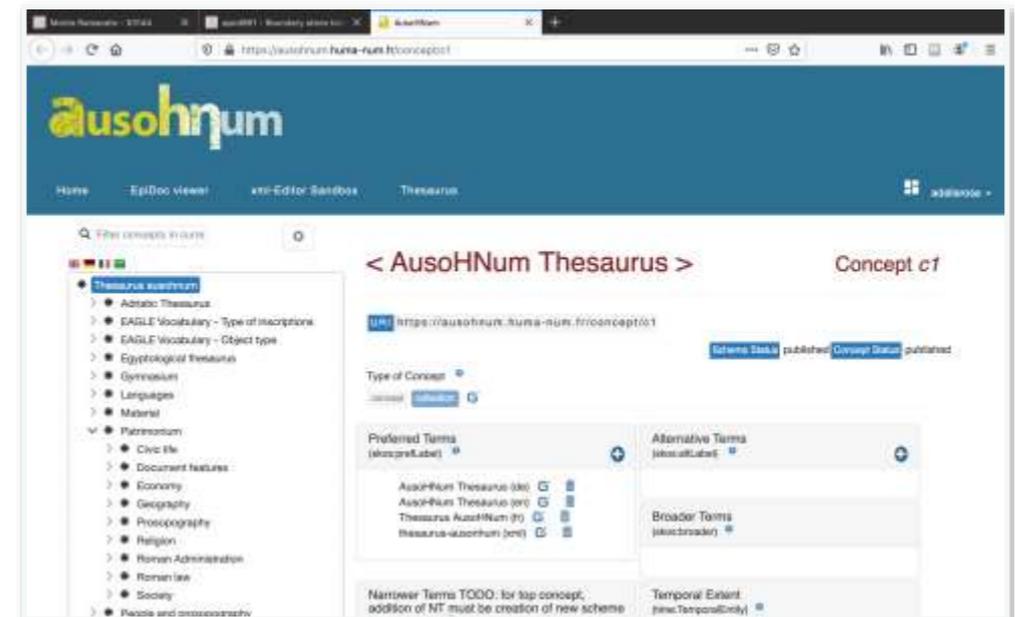
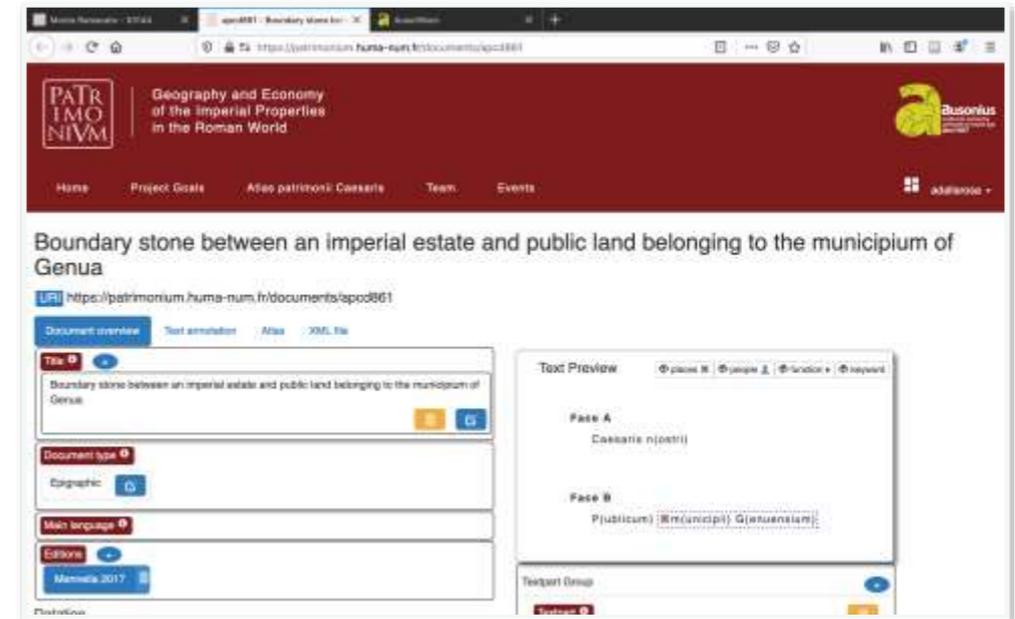
- ▶ Hébergé par l'Université Bordeaux Montaigne, financé par l'ERC pour la période 2017-2022
- ▶ Vise à produire la première étude globale du patrimoine des empereurs romains entre Auguste et Dioclétien
- ▶ Vise à reconstruire :
 - * La distribution géographique
 - * Les schémas de croissance du patrimoine
 - * La valeur économique
 - * L'administration
 - * L'impact socio-économique sur les communautés locales
 - * L'usage politique

Les sources

- ▶ Sources littéraires, épigraphiques, papyrologiques
- ▶ Toute sorte de propriétés (esclaves inclus)
- ▶ Tous les affranchis
- ▶ Toutes les personnes liées au patrimonium (administrateurs, colons, entrepreneurs, etc.)
- ▶ Témoignages

L'Atlas patrimonii Caesaris

- ▶ Trois bases
 - * Textes
 - * Entités géographiques
 - * Personnes
- ▶ Un thésaurus
 - * Terminologie
 - * Fonctions
 - * Mots-clés
- ▶ Bibliographie
 - * Groupe Zotero



Une documentation principalement indirecte

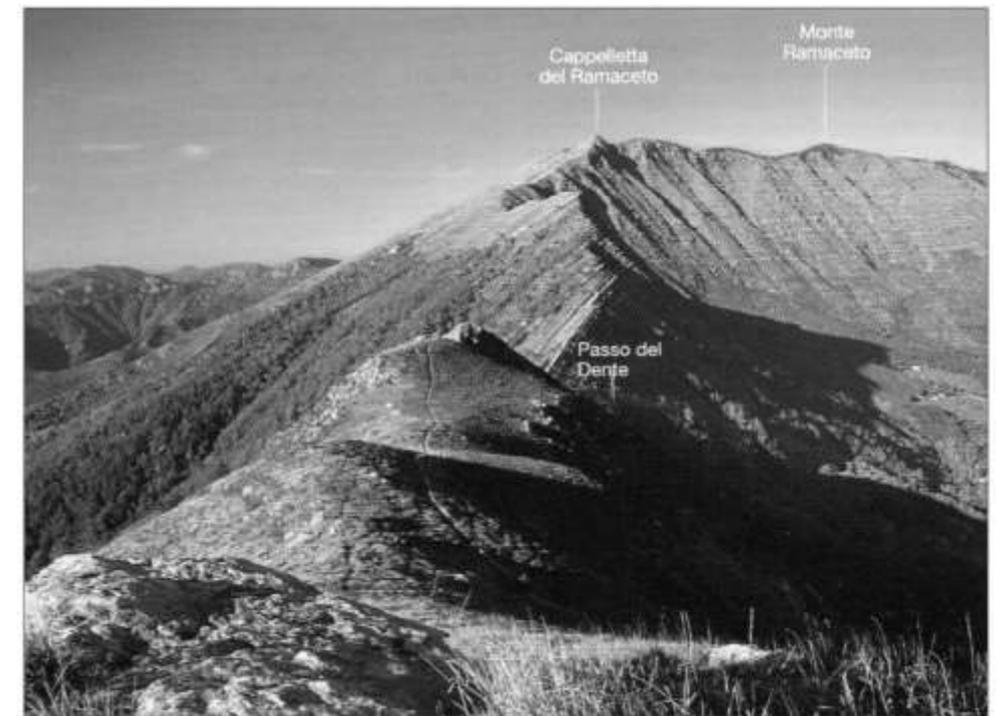
Exemple 1 : la borne de Monte Ramaceto



3. - Il cippo del Monte Ramaceto: lato (a).

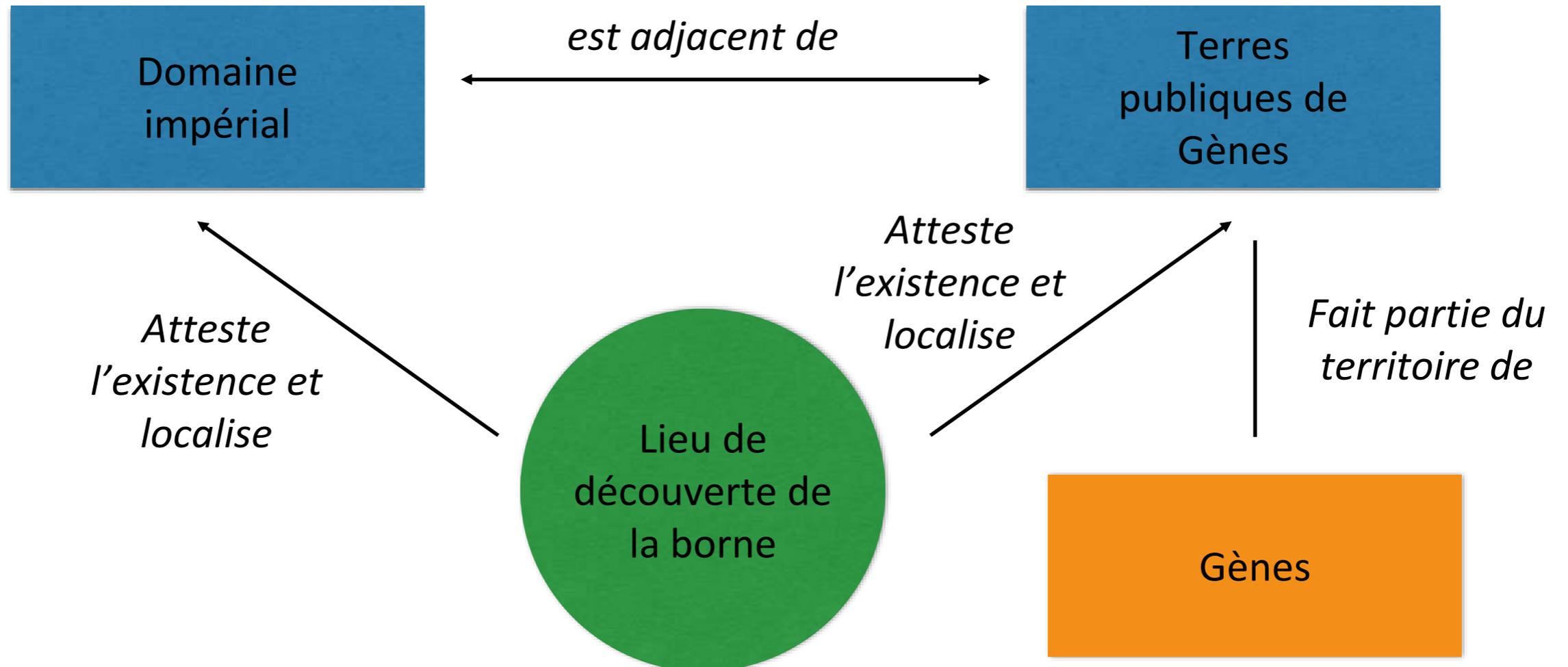
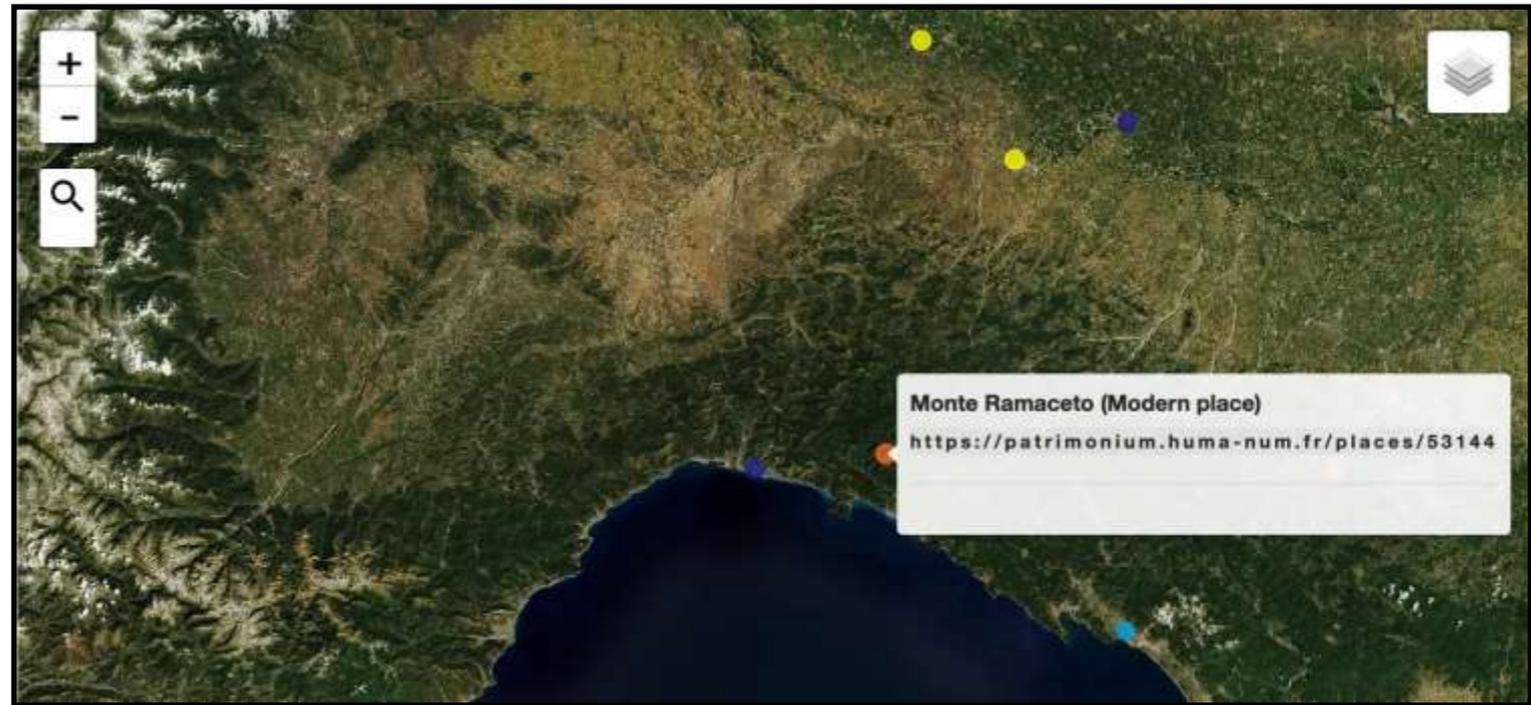


4. - Il cippo del Monte Ramaceto: lato (b).

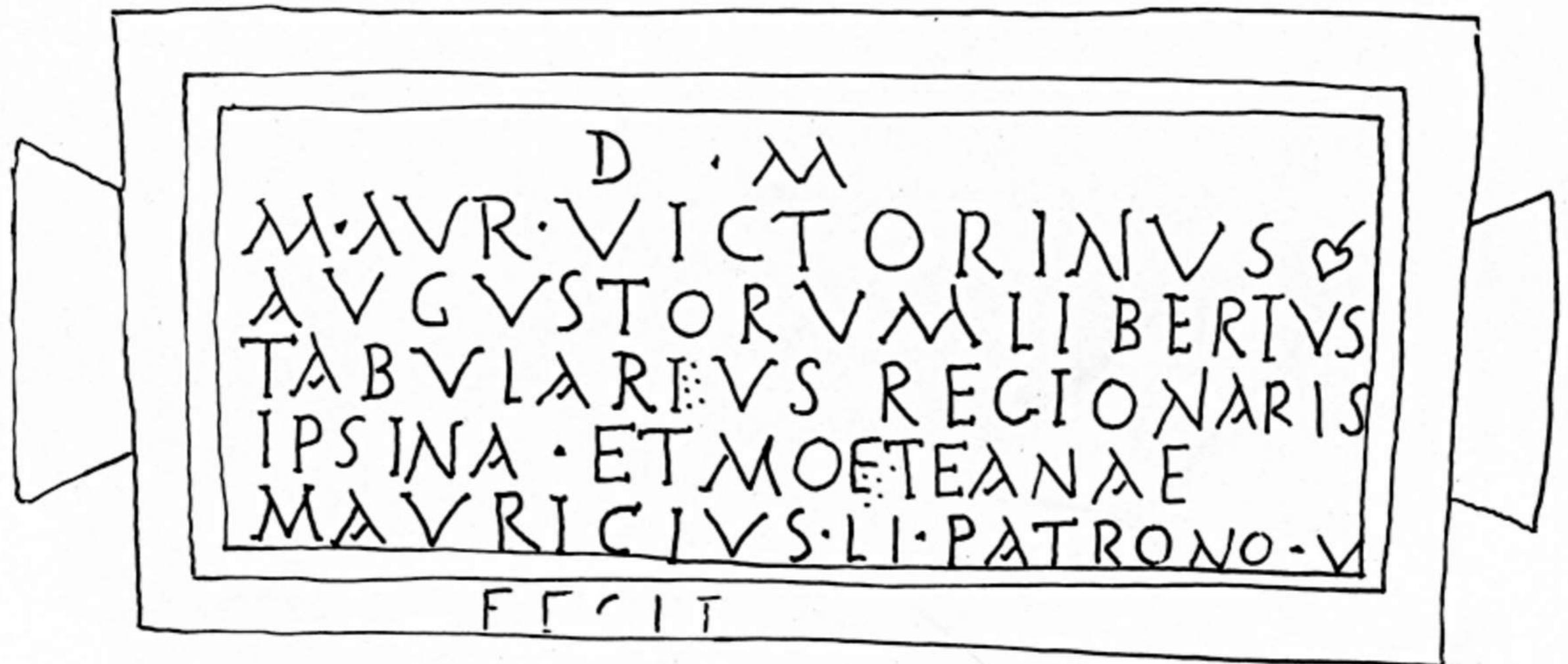


1. - Il monte Ramaceto (Appennino ligure orientale).

- a. Caesaris n(ostri)
- b. p(ublicum) m(unicipi) Genuensium



Une documentation principalement indirecte
Exemple 2 : le sarcophage de M. Aurelius Victorinus



Prymnessos (lieu
de découverte)

atteste l'existence

Regio Ipsina et Moetana

mentionne

Ipsos

atteste l'existence
et contient

Moitea

localise de manière large

Domaine
impérial dans
les alentours de
Ipsos

Domaine
impérial dans
les alentours de
Moitea

☞ D(is) M(anibus)

☞ M(arcus) ▲ Aur(elius) ▲ Victorinus ☞

Augustorum libertus

4 tabular^ri^lus regionaris

☞ Ipsina⟨e⟩ ▲ et Moetanae

☞ Mauricius li(bertus) ▲ patrono ☞

fecit arçam tançum

8 ☞ Τ(ίτος) Στάτ^rιος Νίγερ ☞ συνεχώρησα τὴν σορὸν
ἐπιτεθῆναι φιλίας χάριν

Browser tabs: apcd1 - Sarcophagus of the im... X, apcd861 - Boundary stone bet... X, AusoHNum X

URL: <https://patrimonium.huma-num.fr/places/52855>

Names ⓘ +

Exact match ⓘ +

Place Type ⓘ

Landed estate  

Production type(s) ⓘ +

Location ⓘ

Type: Point Longitude: Latitude: 

This place is in the vicinity of ⓘ +

Ipsos
<https://patrimonium.huma-num.fr/places/52903#this>
• type: village/settlement 

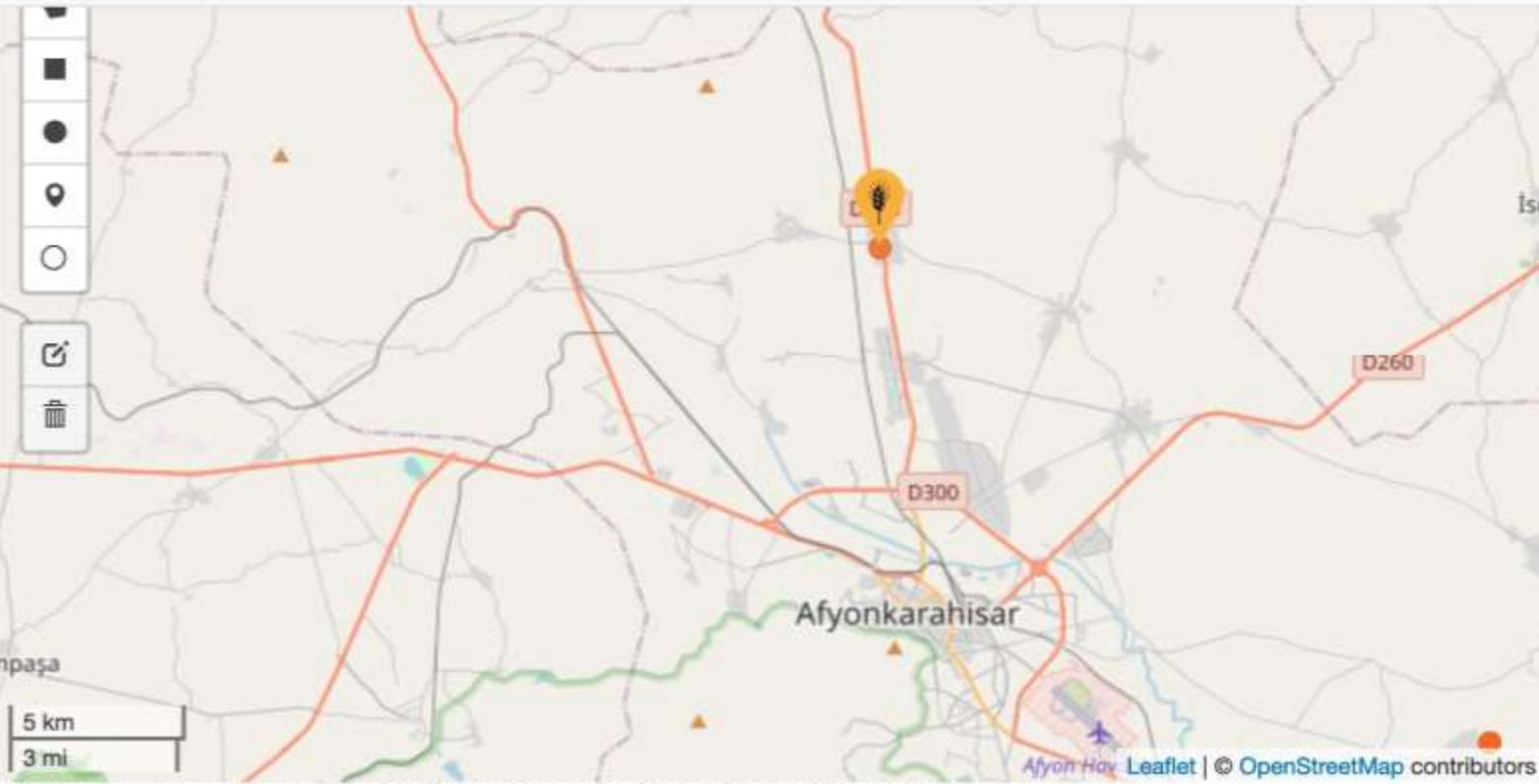
This place has in its vicinity ⓘ +

Is made of ⓘ +

There is currently no subplace

Is part Of ⓘ +

Asia
<https://patrimonium.huma-num.fr/places/2275#this>
[Change to isInTheVicinityOf](#) 



Coordinates (lat., long.): 38.87192, 30.24548 (38° 52' 18" N 30° 14' 43" E)
Click to store current position: lat., long. 38.61097, 30.70724 (38° 36' 39" N 30° 42' 26" E)

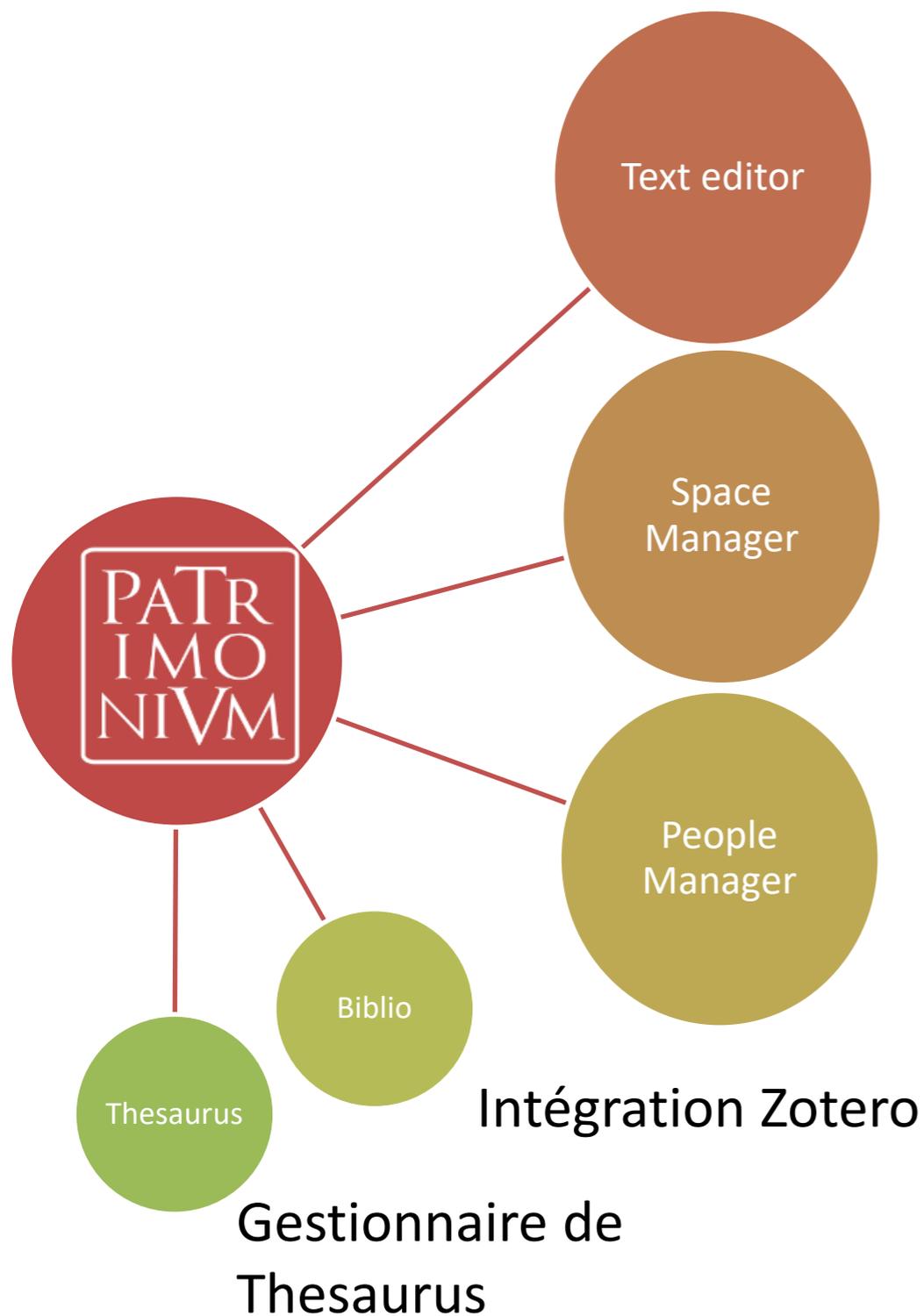
PATRIMONIUM n'est pas un projet épigraphique en soi
mais les sources écrites sont centrales

- ➔ Nécessité d'établir le corpus de sources épigraphiques, papyrologiques et littéraires
- ➔ Création d'une application web:

- Pour rassembler le corpus de textes
 - Proprement encodés (XML/TEI/Epidoc)
 - & enrichis sur le plan sémantique :
 - Données géographiques
 - Données prosopographiques
 - Données historiques et économiques



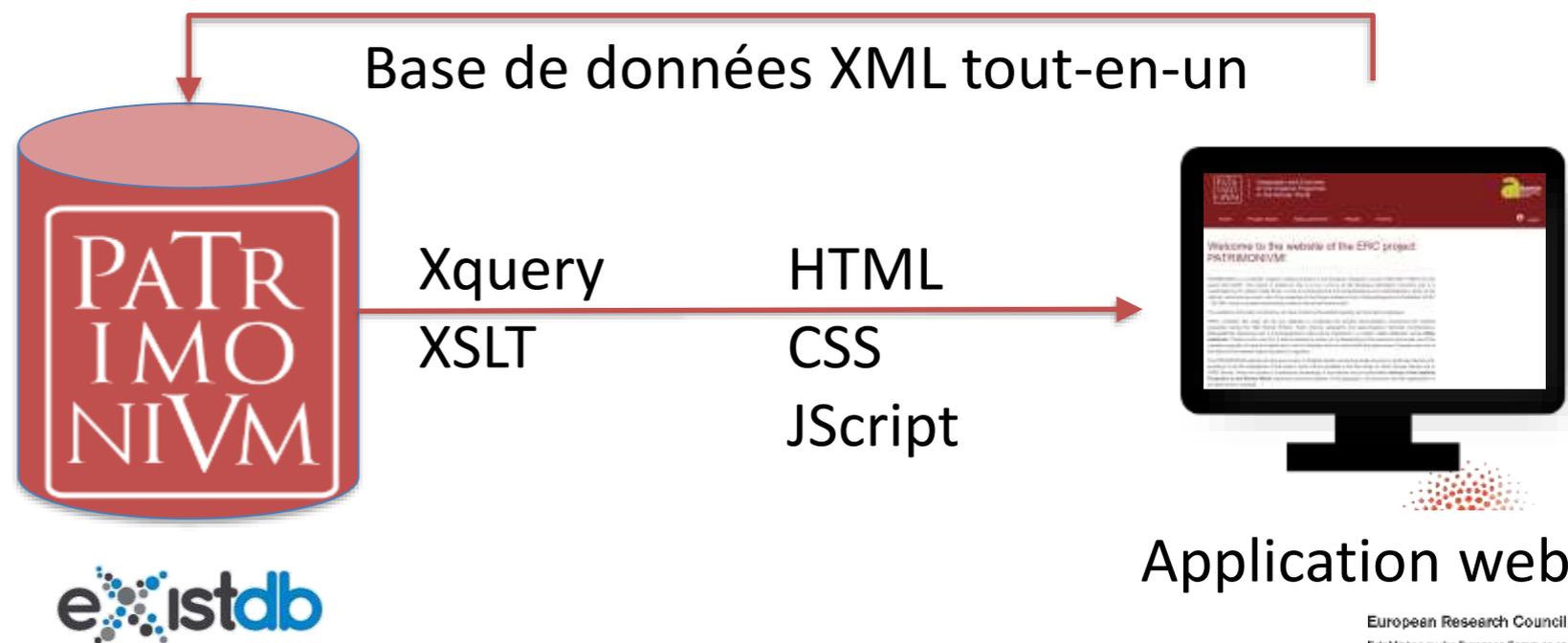
PATRIMONIUM – APPLICATION WEB



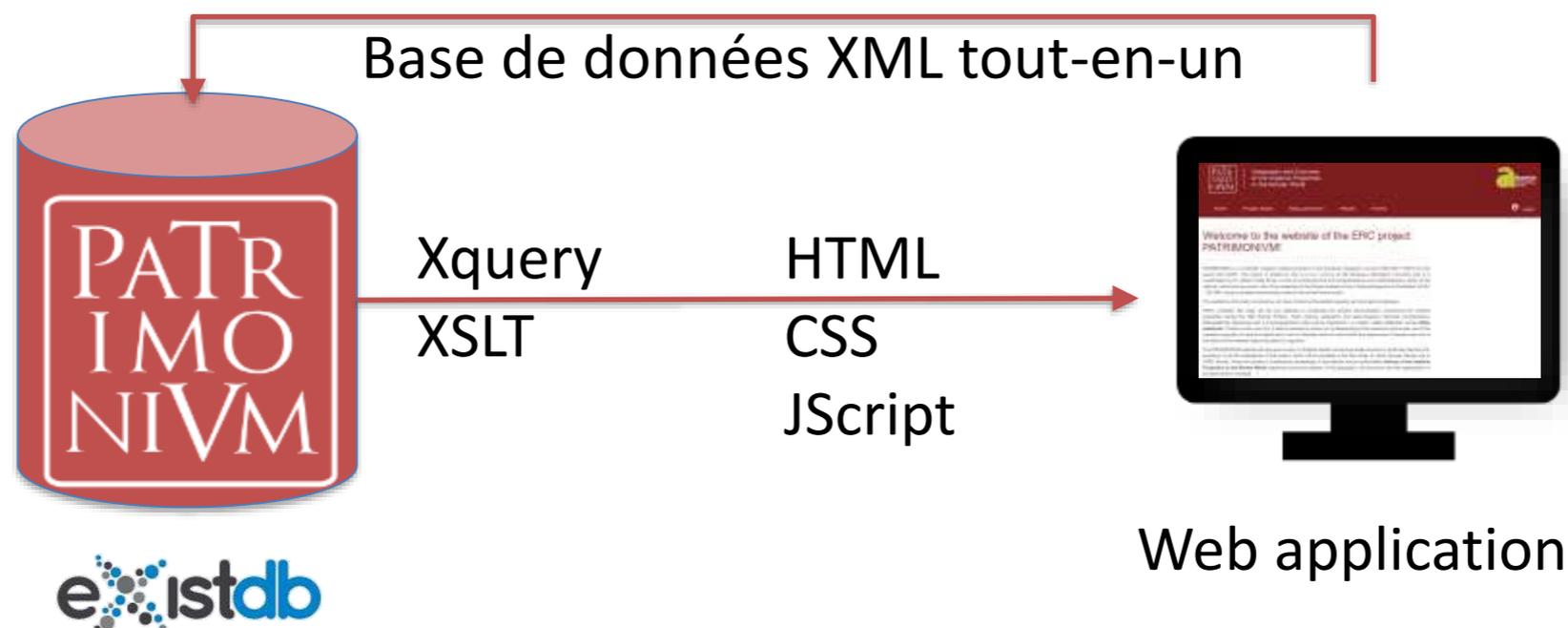
... pour rendre aisé l'encodage XML/TEI des sources

... pour créer et éditer des entités spatiales

... pour créer et éditer les données relatives aux personnes



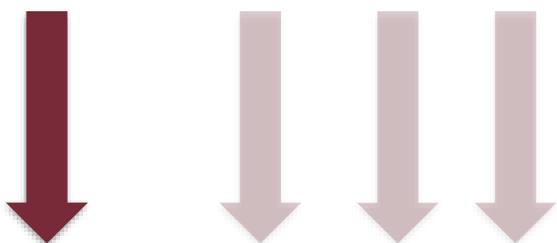
ATLAS PATRIMONII



Toutes les données sont en XML:

- Textes TEI/Epidoc
- Lieux Fichiers XML/RDF sur le modèle de Pleiades
- Personnes " " ad hoc s'inspirant du précédent
- Thesaurus SKOS en XML/RDF (Simple Knowledge Organization System)

Application web – encodage des textes



Les données du fichier XML/TEI sont réparties sur plusieurs onglets et directement éditables (par des champs de saisie, des menus déroulants, des fenêtres modales...)

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview | Text annotation | Atlas | XML file

Title +
Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

Document type
Epigraphic

Main language
Ancient Greek

Editions +
SEG 19, 765b

Datation

Date note AD 55

Date post quem 55

Date ante quem 55

List of places linked to this document

- Düğer [provenance]
- Imperial estate of Tymbrianassos [related]
- Tymbrianassos [mentioned-in-text]
- Sagalassos [mentioned-in-text]

List of people linked to this document

- Claudius [Roman] [freeborn]
- L. Papius Praesens [Roman] [Freeborn]
- Q. Petronius Umber [Roman] [Freeborn]

External resources

Trismegistos URI

Text Preview

places people function keyword

ἐξ ἐπιστολῆς θε(ε)οῦ
 Σεβαστοῦ Γερμανι-
 κοῦ Καίσαρος, Κοῖντος
 4 Π[ε]τρώνιος Ὀμβερ
 πρεσβευτῆς καὶ ἀντιστρ[ά]-
 τη[γ]ος Νέρωνος Κλαυ-
 δίου Καίσαρος Σεβαστοῦ
 8 Γερμανικοῦ καὶ Λούκιος
 [Πού]πιος Πραΐσης ἐπ[ι]τροπ[ος]
 [Νέρω]νος Κλαυδίου {Κα[ι]}
 Καίσαρος Σε[βα]στοῦ Γε[ρ]μανικο[ῦ].
 12 ὠροθέτη-
 σαντὰ μὲν
 δεξιὰ εἴ-
 [ναι] {Σαγαλα}
 16 {Σαγαλασσέων}.
 τὰ δὲ ἐν ἀριστε[ρᾷ]
 {κώμης Τυμ-
 βριανασσέων Νέρω-
 20 νος Κλαυδίου Καί-
 σαρρος Σεβασ-
 τοῦ Γε[ρ]μανικοῦ.

Application web – encodage des textes

L'onglet « Text annotation » permet de saisir directement le XML (élément <ab/> d'un div[@type='tetpart'].

Des boutons à gauche et en haut, ainsi qu'un aperçu à droite, facilitent l'encodage

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview **Text annotation** Atlas XML file

Semantic Annotations

Subject Indexing

Select an item

Annotate

Annotate Place, People & Time

Places

List of places attached to this doc.

Döğer Imperial estate of Tymbrianassos

Sagalassos Tymbrianassos

People

List of people attached to this doc.

Claudius L. Pupius Praesens

Q. Petronius Umber

Annotate Names

PersName

Type Select an item

PersName

Names

NymRef Standardized form

Name

Praenomen Nomen Cognomen

Epigraphic annotations

(1) [a] [a] [a] [a] Gap Addition Illegible Vacat

XML Editor

```

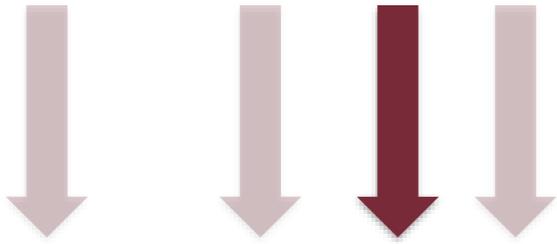
1 <lb n="1"/>έξ ἐπιστολῆς <rs type="person" ref="https://patrimonium.huma-num.fr/people/172">ο<supplied reason="omitted">ε</supplied>οῦ
2 <lb n="2"/>Σεβαστοῦ Γερμανι
3 <lb n="3" break="no"/>κοῦ Καίσαρος</rs>, <rs type="person" ref="https://patrimonium.huma-num.fr/people/1783">Κο<unclear>ῖ</unclear>ντος
4 <lb n="4"/><unclear>Π</unclear><supplied reason="lost">ε</supplied>τρώνιος Ὀμβερ
5 <lb n="5"/>πρεσβευτῆς καὶ ἀντιστ<unclear>ρ</unclear><supplied reason="lost">ά</supplied>
6 <lb n="6" break="no"/>τη<supplied reason="lost">γ</supplied>ος Νέρωνος Κλαυ
7 <lb n="7" break="no"/>δίου Καίσαρος Σεβασ<unclear>ο</unclear>
8 <lb n="8"/>Γερμανικοῦ</rs> καὶ <rs type="person" ref="https://patrimonium.huma-num.fr/people/1784"><unclear>Λ</unclear><unclear>ού</unclear>κιος
9 <lb n="9"/><supplied reason="lost">Ποῦ</supplied><unclear>π</unclear>ιος Πραίσης ἐ
<unclear>π</unclear><supplied reason="lost">ῖ</supplied>τροπ<supplied reason="lost">ος</supplied>
10 <lb n="10"/><supplied reason="lost">Νέρω</supplied>νος Κλαυδίου <surplus>Κα<supplied reason="lost">ῖ</supplied>
11 <lb n="11"/>καίσαρος Σ<unclear>ε</unclear><supplied reason="lost">βα</supplied>στοῦ Γε
<supplied reason="omitted">ρ</supplied><supplied reason="lost">ο</supplied></rs>
12 <lb n="12"/><unclear>ρ</unclear>οθέτη
13 <lb n="13" break="no"/>σαντά μὲν
14 <lb n="14"/>δεξιὰ εἶ
15 <lb n="15" break="no"/><supplied reason="lost">ναί</supplied> <surplus>Σαγαλα</surplus>
16 <lb n="16"/><placeName ref="https://patrimonium.huma-num.fr/places/53294">Σαγαλασσέων
</placeName>,
17 <lb n="17"/>τὰ δὲ ἐν ἀριστε<supplied reason="lost">ρᾷ</supplied>
18 <lb n="18"/><placeName ref="https://patrimonium.huma-num.fr/places/53293">κώμης Τυμ
19 <lb n="19" break="no"/>βριανασ<unclear>σ</unclear>ῶν Νέρω
20 <lb n="20" break="no"/>νος Κλαυδίου Καί
21 <lb n="21" break="no"/>σαρος Σεβα<unclear>σ</unclear>

```

Preview

έξ ἐπιστολῆς θ(ε)οῦ
Σεβαστοῦ Γερμανι-
κοῦ Καίσαρος; Καίντος
4 Π[ε]τρώνιος Ὀμβερ
πρεσβευτῆς καὶ ἀντιστρά-
τη[γ]ος Νέρωνος Κλαυ-
δίου Καίσαρος Σεβαστοῦ
8 Γερμανικοῦ; καὶ Λούκιος
[Ποῦ]πιος Πραίσης ἐπ[ι]τροπ[ος]
[Νέρω]νος Κλαυδίου (Κα[ι])
Καίσαρος Σε[βα]στοῦ Γε[ρ]μανικο[ῦ];
12 ὠροθέτη-
σαντά μὲν
δεξιὰ εἶ-
[ναί] {Σαγαλα}
16 Σαγαλασσέων;
τὰ δὲ ἐν ἀριστε[ρᾷ]
 κώμης Τυμ-
βριανασσέων Νέρω-

Web application interface



L'onglet « Atlas » permet de gérer les lieux rattachés à un document (provenance, mentions)

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview Text annotation **Atlas** XML file

List of places linked to this document

List of places linked to this document

- Döğer [provenance]  
- Imperial estate of Tymbrianassos [related]  
- Tymbrianassos [mentioned-in-text]  
- Sagalassos [mentioned-in-text]  

Link a place to the document

Search project's places

Start to enter a place name or a place ID



Gestion des lieux liés à un document

- Liste des lieux dans le `teiHeader`:

```
/TEI/teiHeader/fileDesc/sourceDesc/listPlace
```

- Provenance:

```
/TEI/teiHeader/fileDesc/sourceDesc/msDesc/history/  
provenance/location/placeName
```

- Marquage des lieux dans le texte par des
`<placeName/>`

Ajouter un lieu à un document = ajouter le lieu à la *listPlace*

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview Text annotation Atlas XML file

List of places linked to this document

List of places linked to this document

- Döğer [provenance]  
- Imperial estate of Tymbrianassos [related]  
- Tymbrianassos [mentioned-in-text]  
- Sagalassos [mentioned-in-text]  



Link a place to the document

Search project's places

Start to enter a place name or a place ID



Ajouter un lieu à un document = ajouter le lieu à la *listPlace*

Les lieux ajoutés à un document sont tirés de la base géographique de Patrimonium.

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview Text annotation Atlas XML file

List of places linked to this document

- List of places linked to this document
- Düğer [provenance]
 - Imperial estate of Tymbrianassos [related]
 - Tymbrianassos [mentioned-in-text]
 - Sagalassos [mentioned-in-text]

Link a place to the document

Search project's places

imperial e

Search "imperial e" returns 41 matches

- Imperial estate of Guert plain <https://patrimonium.huma-num.fr/places/53347#this>
- Imperial estate near Asartepe <https://patrimonium.huma-num.fr/places/52649#this>
- Imperial estate near Kışla <https://patrimonium.huma-num.fr/places/52650#this>
- Imperial estate of Ağabey Köyü <https://patrimonium.huma-num.fr/places/52770#this>
- Imperial estate of Kinik <https://patrimonium.huma-num.fr/places/52771#this>
- Imperial estate of Aragua <https://patrimonium.huma-num.fr/places/52777#this>
- Imperial estate near Tyanollos <https://patrimonium.huma-num.fr/places/52854#this>
- Imperial estate near Ipsos <https://patrimonium.huma-num.fr/places/52855#this>
- Imperial estate near Malos <https://patrimonium.huma-num.fr/places/52856#this>
- Imperial estate near Kümbet <https://patrimonium.huma-num.fr/places/52857#this>
- Private or imperial estate <https://patrimonium.huma-num.fr/places/52859#this>
- Private or imperial estate <https://patrimonium.huma-num.fr/places/52862#this>
- Imperial estate near Sebaste <https://patrimonium.huma-num.fr/places/52863#this>
- Imperial estate near Abeikta <https://patrimonium.huma-num.fr/places/52864#this>
- Imperial estate of Trokna <https://patrimonium.huma-num.fr/places/52866#this>
- Imperial estate near Kepenkeli <https://patrimonium.huma-num.fr/places/52867#this>
- Imperial estate near Thyateira <https://patrimonium.huma-num.fr/places/52868#this>
- Imperial estate Zeytinliova <https://patrimonium.huma-num.fr/places/52869#this>
- Imperial estate(s) <https://patrimonium.huma-num.fr/places/52884#this>
- Imperial estate near Euladra <https://patrimonium.huma-num.fr/places/52918#this>
- Imperial estate near Stektorion <https://patrimonium.huma-num.fr/places/53001#this>
- Imperial estate near Yenicekaya <https://patrimonium.huma-num.fr/places/53013#this>
- Imperial estate near İğdecik <https://patrimonium.huma-num.fr/places/53015#this>
- Imperial estate near Kireli <https://patrimonium.huma-num.fr/places/53026#this>



Ajout d'un lieu dans la base

Si un lieu n'est pas encore présent dans la base, on peut le créer de toute pièce...

Filter 984 places

Places

- Create a new place
- By Alphabetical Order
 - No label for https://patrimonium.huma-um.fr/places/p0
 - "fiscal" imperial estates [53046]
 - "Levante" necropolis [52897]
 - "Sepolcreto" necropolis [52916]
 - "Imperial estate near Bozüyük [53274]
 - 1-3 St.Paul Churchyard and 15 Creed Street [53211]
 - 11-15 St. Thomas Street [53213]
 - 25-6 Lime Street [53209]
 - 4-6 Cophthall Avenue [53227]
 - 45-7 Cornhill [53223]
 - 61 Queen Street [53197]
 - 9 Northumberland Alley [53212]
 - Abbir Cella [17147]
 - Abeikta [52846]
 - Abellinum [11753]
 - Abritus [29835]
 - Acaunum [52999]
 - Acelum [12148]
 - Achaia [1030]
 - Achaia, Epirus, and Thessaly [52787]
 - Acrobara [52733]
 - Acuminum [29183]
 - Aegyptus [1031]
 - Aegyptus [8788]
 - Aemilia [7141]
 - Aemilia [33056]
 - Africa [3145]
 - Africa Proconsularis [15674]
 - Ağabey Köyü [52769]
 - Agedincum [24148]
 - Agora of Argos [53168]

Create a new place

+ Create a place from Pelagios datasets

Standardized name (in English)

Names

Latin	Preferred label in Latin
Ancient C	Preferred label in Ancient Greek

Language

Name	Value
Select an item	

Type of place

Space type

Production type

Exact match(es)

exactMatch

Geometry

Type	Point
Lat.	Latitude
Long.	Longitude
Coordinate	Coordinates

Create place

Map interface showing a satellite view of a region with several blue location pins. A search bar at the top of the map says "Enter a location name".

Ajout d'un lieu dans la base

Si un lieu n'est pas encore présent dans la base, on peut le créer de toute pièce... ou l'importer à partir de Peripleo Pelagios (<https://peripleo.pelagios.org/>)

The screenshot shows the 'Create a new place' form in the background and a modal window in the foreground. The modal window is titled 'Search a place in Pelagios Peripleo' and contains the following elements:

- A search bar with the text 'Bordeaux (http://pleiades.stoa.org/places/138248)'.
- A map of Europe with a red circle highlighting the location of Bordeaux.
- Metadata for 'Bordeaux':
 - 750 BC - 2100
 - pleiades: 138248
 - dare: 147
 - geonames: 3031582
- Description: 'Burdigala (modern Bordeaux) was a Celtic center of the Bituriges Vivisci. The Romans...'. A 'More...' link is present.
- A radio button labeled 'Peripleo by Pelagios Commons'.
- 'Select' and 'Cancel' buttons at the bottom.

The background form includes fields for 'Standardized name (in English)', 'Names' (Latin and Ancient Greek), 'Language', 'Type of place', 'Space type', 'Production type', 'Exact match(es)', and 'Geometry' (Type: Point, Lat., Long., Coordinate).

Ajout d'un lieu dans la base

Filter 984 places

- Places
 - Create a new place
 - By Alphabetical Order
 - No label for https://patrimonium.huma-um.fr/places/p0
 - "fiscal" imperial estates [53046]
 - "Levante" necropolis [52897]
 - "Sepolcreto" necropolis [52916]
 - "Imperial estate near Bozüyük [53274]
 - 1-3 St.Paul Churchyard and 15 Creed Street [53211]
 - 11-15 St. Thomas Street [53213]
 - 25-6 Lime Street [53209]
 - 4-6 Cophall Avenue [53227]
 - 45-7 Cornhill [53223]
 - 61 Queen Street [53197]
 - 9 Northumberland Alley [53212]
 - Abbir Cella [17147]
 - Abeikta [52846]
 - Abellinum [11753]
 - Abritus [29835]
 - Acaunum [52999]
 - Acelum [12148]
 - Achaia [1030]
 - Achaia, Epirus, and Thessaly [52787]
 - Acrobara [52733]
 - Acumincum [29183]
 - Aegyptus [1031]
 - Aegyptus [8788]
 - Aemilia [7141]
 - Aemilia [33056]
 - Africa [3145]
 - Africa Proconsularis [15674]
 - Ağabey Köyü [52769]
 - Agedincum [24148]
 - Agora of Argos [53168]
 - Agosta [12127]

Create a new place

[+Create a place from Pelagios datasets](#)

Standardized name (In English)

Names

Latin	Preferred label in Latin
Ancient C	Preferred label in Ancient Greek

Language

Select an item	Name	Value
en	Burdigalenses	en Bordeaux
en	Burdigala	

Alternative labels retrieve from <http://pleiades.stoa.org/places/138248>:

en	Burdigalenses	en	Bordeaux
en	Burdigala		

Type of place

Space type

Production type

Exact match(es)

exactMatch

Geometry

Type	Point
Lat	44.842664
Long	-0.576549
Coordina	Coordinates

[Create place](#)

Enter a location name

Utilisation des thesaurus pour typer les lieux, etc.

The screenshot shows a web interface for managing a place database. On the left, a sidebar lists 984 places, with a search filter and a 'Create a new place' button. The main area is titled 'Create a new place' and contains a form with the following fields:

- Standardized name (In English):** Burdigala
- Names:**
 - Latin: Preferred label in Latin
 - Ancient Greek: Preferred label in Ancient Greek
- Language:** Select an item
- Alternative labels retrieve from http://pleiades.stoa.org/places/:**

en	Burdigalenses	en	Bordaux
en	Burdigala		
- Type of place:** Select an item
- Space type:** Select an item (highlighted with a blue arrow)
- Production type:** Select an item
- Exact match(es):** http://pleiades.stoa.org/places/138248
- Geometry:**

Type	Point
Lat.	44.842664
Long.	-0.576549
Coordinates	Coordinates

A dropdown menu for 'Space type' is open, showing the following options:

- Administrative district
- Area
- City
- Ethnic region
- Geographic region
- Military camp/outpost
- Modern place
- Production units (highlighted with a blue arrow)
- Province
- Station
- Village/Settlement
- Estate

A second dropdown menu for 'Production type' is also open, showing the following options:

- Fishery
- Forest
- Landed estate
- Mine
- Processing unit
- Quarry
- Villa
- Workshop

A green 'Create place' button is visible at the bottom of the form.

Un lieu est un document XML reprenant le modèle Pleiades

```
<rdf:RDF xmlns:pleiades="https://pleiades.stoa.org/places/vocab#" xmlns:owl="http://www.w3.org/2002/07/owl#"
xmlns:skos="http://www.w3.org/2004/02/skos/core#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
xmlns:geo="http://www.w3.org/2003/01/geo/wgs84_pos#" xmlns:dcterms="http://purl.org/dc/terms/" xmlns:spatial="http://geovocab.org/spatial#"
xmlns:prov="http://www.w3.org/TR/prov-o/#" xmlns:foaf="http://xmlns.com/foaf/0.1/" xmlns:spatium="http://ausonius.huma-num.fr/spatium-
ontology" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:lawdi="http://lawd.info/ontology/"
xmlns:osgeo="http://data.ordnancesurvey.co.uk/ontology/geometry/">
  <spatial:Feature rdf:about="https://patrimonium.huma-num.fr/places/53291#this">
    <skos:exactMatch rdf:resource=""/>
    <spatial:C type="hasInItsVicinity" rdf:resource="https://patrimonium.huma-num.fr/places/53292"/>
    <foaf:primaryTopicOf>
      <pleiades:Place rdf:about="https://patrimonium.huma-num.fr/places/53291">
        <dcterms:title xml:lang="en">Düğer</dcterms:title>
        <skos:altLabel xml:lang="tr">Düğer</skos:altLabel>
        <skos:altLabel xml:lang="tr">Düver</skos:altLabel>
        <pleiades:hasFeatureType type="main" rdf:resource="https://ausonnum.huma-num.fr/concept/c21868"/>
        <geo:long>30.02536</geo:long>
        <geo:lat>37.580205</geo:lat>
        <skos:note/>
      </pleiades:Place>
      <skos:note type="private"/>
    </foaf:primaryTopicOf>
  </spatial:Feature>
  <pleiades:Location rdf:about="https://patrimonium.huma-num.fr/place
  <prov:wasDerivedFrom>
    <rdf:Description>
      <rdfs:label>APC</rdfs:label>
    </rdf:Description>
  </prov:wasDerivedFrom>
  <geo:long/>
  <geo:lat/>
  <pleiades:start_date rdf:datatype="http://www.w3.org/2001/XMLSchema
  <pleiades:end_date rdf:datatype="http://www.w3.org/2001/XMLSchema
</pleiades:Location>
</rdf:RDF>
```

Pleiades Place datamodel +
Namespaces:

- Spatial (NeoGeo Spatial Ontology)
- SKOS
- Dublin Core

spatial:C → connects with
@type:hasInItsVicinity / isInVicinityPf

spatial:P → is part of

spatial:Pi → is made of

Affichage des données de la diapositive précédente

Create a new place
Show 100 entries

Search (also by TM no.):
du

Name: apc & TM
Düger 53291

Showing 1 to 1 of 1 entries (filtered from 3,421 total entries)

Previous 1 Next

Düger

URI <https://patrimonium.huma-num.fr/places/53291>

Place details XML

Standardized Name (en) Düger

Names (tr) Düger
Düver

Exact match

Place Type Modern place

Production type(s)

Location Type: Longitude: 30.02536 Latitude: 37.580205

This place is in the vicinity of

This place has in its vicinity
Imperial estate of Tymbrianassos
• type: Landed estate <https://patrimonium.huma-num.fr/places/53292#this>

Is made of
There is currently no subplace

Is part of



Dans le fichier XML

```

<listPlace>
  <place>
    <placeName ref="https://patrimonium.huma-num.fr/places/53291" ana="provenance">Düğer</placeName>
  </place>
  <place>
    <placeName ref="https://patrimonium.huma-num.fr/places/53292" ana="related">Imperial estate of
Tymbrianassos</placeName>
  </place>
  <place>
    <placeName ref="https://patrimonium.huma-num.fr/places/53293 http://pleiades.stoa.org/places/639158"
ana="mentioned-in-text">Tymbrianassos</placeName>
  </place>
  <place>
    <placeName ref="https://patrimonium.huma-num.fr/places/53294 http://pleiades.stoa.org/places/639087"
ana="mentioned-in-text">Sagalassos</placeName>
  </place>
</listPlace>

```

Dans l'interface web

List of places linked to this document (4)

- Düğer [provenance]  
- Imperial estate of Tymbrianassos [related]  
- Tymbrianassos [mentioned-in-text]  
- Sagalassos [mentioned-in-text]  

Document overview & atlas

Onglet annotation

 Places

List of places attached to this doc.

Düğer

Imperial estate of
Tymbrianassos

Sagalassos

Tymbrianassos

Balisage des lieux et des personnes

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview Text annotation Atlas XML file

Semantic Annotations

Subject Indexing

Select an item

Annotate

Annotate Place, People & Time

Places

List of places attached to this doc.

Düßer Imperial estate of Tymbrianassos

Sagalassos Tymbrianassos

People

List of people attached to this doc.

Claudius L. Pupius Præsens

Q. Petronius Ueber

Annotate Names

PersName

Type

PersName

Names

NymRef

Name

Praenomen Nomen Cognomen

Epigraphic annotations

(1) A [a] {a} <a> [a] Gap Addition Illegible Vacat F X

XML Editor

```

1 <lb n="1"/>ἐξ ἐπιστολῆς <rs type="person" ref="https://patrimonium.huma-num.fr/people/1772">θ<supplied reason="omitted"></supplied>οῦ
2 <lb n="2"/>Σεβαστοῦ Γερμανι
3 <lb n="3" break="no"/>κοῦ Καίσαρος</rs>, <rs type="person" ref="https://patrimonium.huma-num.fr/people/1783">Κο<unclear>ῖ</unclear>ντος
4 <lb n="4"/><unclear>π</unclear><supplied reason="lost"></supplied>τρώνιος Ὀμβερ
5 <lb n="5"/>πρεσβευτῆς καὶ ἀντιστ<unclear>ρ</unclear><supplied reason="lost"></supplied>
6 <lb n="6" break="no"/>τη<supplied reason="lost">γ</supplied>ος Νέρωνος Κλαυ
7 <lb n="7" break="no"/>δίου Καίσαρος Σεβασ<unclear>σ</unclear>τοῦ
8 <lb n="8"/>Γερμανικοῦ</rs> καὶ <rs type="person" ref="https://patrimonium.huma-num.fr/people/1784"><unclear>Λ</unclear>οῦ<supplied reason="lost"></supplied>κίου
9 <lb n="9"/><supplied reason="lost">Ποῦ</supplied><unclear>π</unclear>ραΐσης ἐ
<unclear>π</unclear><supplied reason="lost">ι</supplied>τροπ<supplied reason="lost">ος</supplied>
10 <lb n="10"/><supplied reason="lost">Νέρω</supplied>νος Κλαυδίου <surplus>κα<supplied reason="lost">ι</supplied></surplus>
11 <lb n="11"/>Καίσαρος <unclear>ε</unclear><supplied reason="lost">βα</supplied>στοῦ Γε
<supplied reason="omitted">ρ</supplied>μανικο<supplied reason="lost">ῦ</supplied></rs>
12 <lb n="12"/>ὠροθέτη
13 <lb n="13" break="no"/>σαντὰ μὲν
14 <lb n="14"/>δεξιὰ εἰ
15 <lb n="15" break="no"/><supplied reason="lost">ναι</supplied> <surplus>Σαγαλα</surplus>
16 <lb n="16"/><placeName ref="https://patrimonium.huma-num.fr/places/53294">Σαγαλασσέων
</placeName>,
17 <lb n="17"/>τὰ δὲ ἐν ἀριστε<supplied reason="lost">ρῶ</supplied>
18 <lb n="18"/><placeName ref="https://patrimonium.huma-num.fr/places/53293">κώμης Τυμ
19 <lb n="19" break="no"/>βριανασ<unclear>σ</unclear>ῶν Νέρω
20 <lb n="20" break="no"/>νος Κλαυδίου Καί
21 <lb n="21" break="no"/>σαρος Σεβα<unclear>σ</unclear>τοῦ

```

Preview

places people function keyword

ἐξ ἐπιστολῆς θ(ε)οῦ
Σεβαστοῦ Γερμανι-
κοῦ Καίσαρος; Κοῖντος
4 Π(ε)τρώνιος Ὀμβερ
πρεσβευτῆς καὶ ἀντιστρ(ά)-
τη[γ]ος Νέρωνος Κλαυ-
δίου Καίσαρος Σεβαστοῦ
8 Γερμανικοῦ; καὶ Λοῦκίου
[Ποῦ]πιος Πραΐσης ἐπ[ι]τροπ[ος]
[Νέρω]νος Κλαυδίου {Κα[ι]}
Καίσαρος Σε[βα]στοῦ Γε[ρ]μανικο[ῦ];
12 ὠροθέτη-
σαντὰ μὲν
δεξιὰ εἰ-
[ναι] {Σαγαλα}
16 Σαγαλασσέων;
τὰ δὲ ἐν ἀριστε[ρῶ]
κώμης Τυμ-
βριανασ[σέων] Νέρω

Balisage des lieux et des personnes

Boundary stone between Sagalassos and the imperial estate of Tymbrianassos

URI <https://patrimonium.huma-num.fr/documents/apcd100000>

Document overview | Text annotation | Atlas | XML file

Semantic Annotations

Subject Indexing

Select an item

Annotate

Annotate Place, People & Time

☰ Places

List of places attached to this doc.

Düger Imperial estate of Tymbrianassos

Sagalassos Tymbrianassos

XML Editor

```

1 <lb n="1"/>ἔξ ἐπιστολῆς <rs type="person" ref="https://patrimonium.huma-num.fr/people/1772">⋈<supplied reason="omitted">ε</supplied>οῦ
2 <lb n="2"/>Σεβαστοῦ Γερμανι
3 <lb n="3" break="no"/>κοῦ Καίσαρος</rs>, <rs type="person" ref="https://patrimonium.huma-num.fr/people/1783">Κο<unclear>ῖ</unclear>ντος
4 <lb n="4"/>ἄντιστ<supplied reason="lost">ρ</supplied>κ<supplied reason="lost">α</supplied>
5 <lb n="5"/>πρεσβευτῆς καὶ ἀντιστ<supplied reason="lost">ρ</supplied>κ<supplied reason="lost">α</supplied>
6 <lb n="6" break="no"/>τῆ<supplied reason="lost">ρ</supplied>ς Νέρωνος Κλαυ
7 <lb n="7" break="no"/>δίου Καίσαρος Σεβαστ<unclear>ο</unclear>
8 <lb n="8"/>Γερμανικοῦ</rs> καὶ <rs type="person" ref="https://patrimonium.huma-num.fr/people/1784">Κο<unclear>ῖ</unclear>ντος
9 <lb n="9"/>Πού<supplied reason="lost">π</supplied>ιος Πραισῆς ἐ
<unclear>π</unclear><supplied reason="lost">ι</supplied>τροπ<supplied reason="lost">ο</supplied>ς
10 <lb n="10"/>Νέρω<supplied reason="lost">ν</supplied>ος Κλαυδίου <surplus>κα<supplied reason="lost">κ</supplied>
<supplied reason="lost">ι</supplied>
11 <lb n="11"/>Καίσαρος Ἰ<unclear>ε</unclear><supplied reason="lost">β</supplied>α<supplied reason="lost">σ</supplied>τοῦ Γε
<supplied reason="omitted">ρ</supplied>μανικο<supplied reason="lost">ῦ</supplied></rs>
12 <lb n="12"/>ῶροθέτη
13 <lb n="13" break="no"/>σαντὰ μὲν
14 <lb n="14"/>δεξιὰ εἶ
15 <lb n="15" break="no"/>ναὶ<supplied reason="lost"> <surplus>Σαγαλα</surplus>
</placeName>,
16 <lb n="16"/>κώμης Τυμ
17 <lb n="17"/>βριανασ<supplied reason="lost">ε</supplied>ων Νέρω
18 <lb n="18" break="no"/>νος Κλαυδίου Καί
19 <lb n="19" break="no"/>σαρος Σεβα<unclear>σ</unclear>
20 <lb n="20" break="no"/>
21 <lb n="21" break="no"/>

```

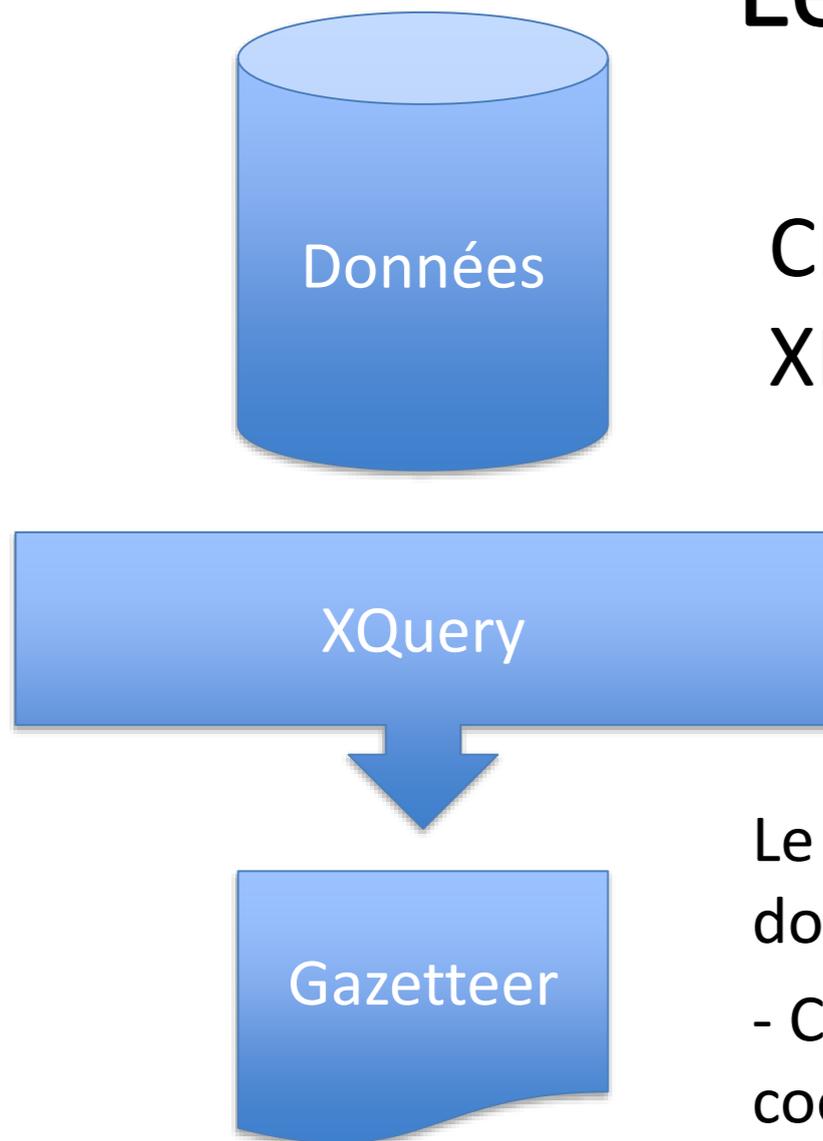
Preview

ἔξ ἐπιστολῆς ⋈ (ε)οῦ
Σεβαστοῦ Γερμανι
κοῦ Καίσαρος; ⋈ Κοῖντος
4 Π[ε]τρώνιος Ὀμβερ
πρεσβευτῆς καὶ ἀντιστρ[ά]-
τη[γ]ος Νέρωνος Κλαυ-
δίου Καίσαρος Σεβαστροῦ
8 Γερμανικοῦ; καὶ ⋈ Λούκιος
[Πού]πιος Πραισῆς ἐπ[ι]τροπ[ο]ς
[Νέρω]νος Κλαυδίου {Κα[ι]}
Καίσαρος Σε[βα]στοῦ Γε{ρ}μανικο[ῦ];
12 ῶροθέτη-
σαντὰ μὲν
δεξιὰ εἶ-
[ναι] {Σαγαλα}
16 ⋈ Σαγαλασσέων;
τὰ δὲ ἐν ἀριστε[ρῶ]
⋈ κώμης Τυμ-

Après avoir sélectionné le texte dans l'éditeur (au centre), un clic sur un des boutons bleus permet de marquer le toponyme en l'entourant d'une balise <placeName/> faisant référence au lieu par son URI

```
<placeName ref="https://patrimonium.huma-num.fr/places/53294">Σαγαλασσέων</placeName>
```

Les données spatiales



Chaque lieu est enregistré au format XML/RDF sur le modèle Pleiades

Le gazetteer (XML) est généré automatiquement à partir des données primaires:

- Chaque lieu sans coordonnée se voit attribuer les coordonnées du lieu lié, ou la moyenne des coordonnées des lieux liés (spatial:C, spatial:Pi)

Directement sérialisable en geoJson pour être utilisé dans l'interface et Leaflet

Espaces de noms utilisés

Le terme **espace de noms** (*namespace*) désigne en informatique un lieu abstrait conçu pour accueillir des ensembles de termes appartenant à un même répertoire,

https://fr.wikipedia.org/wiki/Espace_de_noms

- Données épigraphiques
 - TEI / Epidoc <https://sourceforge.net/p/epidoc/wiki/Home/>
- Données bibliographiques
 - TEI <http://www.tei-c.org> pour les références
 - CITO <http://www.sparontologies.net/ontologies/cito/source.html> pour relier références aux données documentaires et textuelles
- Formalisation des métadonnées
 - Simple Knowledge Organization System (SKOS) - <http://www.w3.org/2004/02/skos/core#>
- Données géographiques et temporelles:
 - NeoGeo Spatialontology - <http://geovocab.org/spatial>
 - Pleiades - <https://pleiades.stoa.org>
 - Time - <http://www.w3.org/2006/time#>
 - Periodo – <http://perio.do>
- Données prosopographiques
 - SNAP:DRGN - Standards for Networking Ancient Prosopographies: Data and Relations in Greco-Roman Names - <https://snapdrgn.net>



Geography and Economy of the Imperial Properties in the Roman World

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