





Mondes sémitiques Antiquité tardive Monde byzantin Médecine grecque Islam médiéval

Digital (Byzantine) Sigillography

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> Sunoikisis Digital Classics Summer 2020 Text-Bearing Objects 2 - April 30, 2020

What a Byzantine seal is ...

a small round object

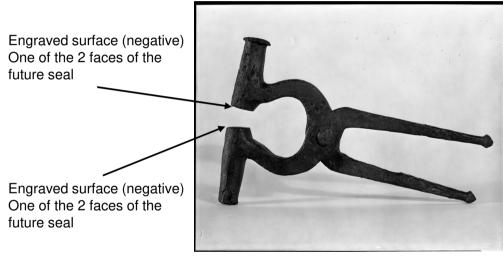
mostly made of lead

used to autenticate a document

often bearing name and functions of the issuer + the chosen iconography

the documents which the seals were attached to are today lost, hence, the seals are studied *per se*

... and how to produce it



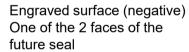
Matrix or *boulloterion* for Byzantine seals (Harvard Art Museum, 1951.31.6)

... and how to produce it



A blank

Engraved surface (negative) One of the 2 faces of the future seal





Matrix or boulloterion for Byzantine seals

(Harvard Art Museum, 1951.31.6)

... and how to produce it Engraved surface (negative) One of the 2 faces of the future seal A blank

Engraved surface (negative)
One of the 2 faces of the

future seal

Matrix or *boulloterion* for Byzantine seals (Harvard Art Museum, 1951.31.6)

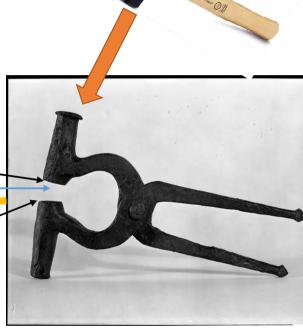
... and how to produce it



Engraved surface (negative) One of the 2 faces of the future seal

Engraved surface (negative)
One of the 2 faces of the

future seal



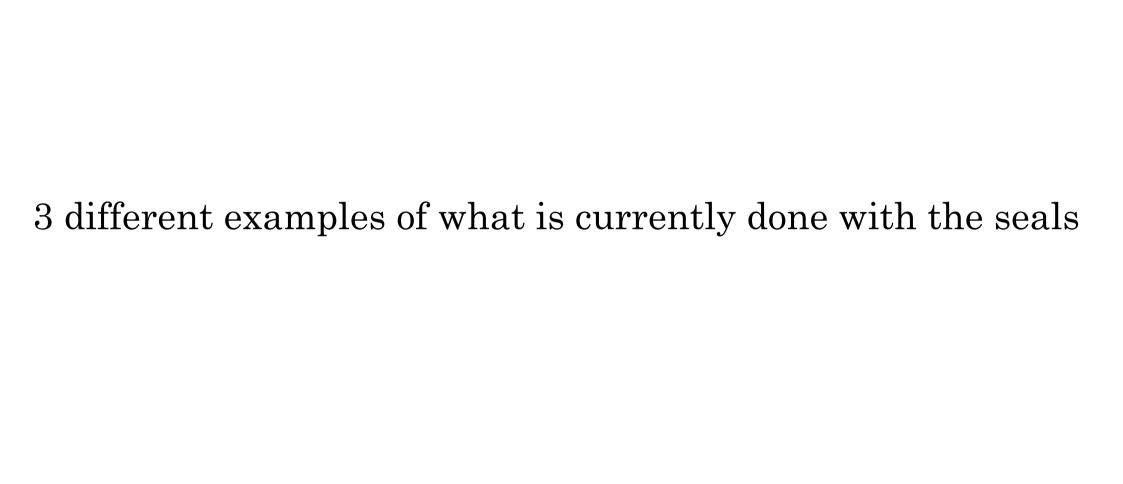
Matrix or *boulloterion* for Byzantine seals (Harvard Art Museum, 1951.31.6)

An impression has been left on the blank and an image and text bearing object has been produced

obverse



reverse



DIGITAL SIGILLOGRAPHY RESOURCE





USING DIGISIG

Find a particular 'seal' by entering its DIGISIG identification number, eg: '10213781'. The seal information page offers references to descriptions of the seal and a list of examples (impressions, matrices, casts).

An "item" is a document or object in an archive or museum. To search for an item, enter the item's shelfmark, eq: "DL10/87", or a location, eq: "Westminster". The location is provided by the repository which holds the item, and may refer to where the item originates or where it was discovered. On the item information page you discover what seal impressions, matrices, and casts are components of the item.

description [1]

A 'description' is an entry in a seal catalogue. You can search descriptions in three ways. Each description can be located by its identifier, eq: 'P38', Descriptions can also be searched by entering a name, eq: 'Henry of Grosmont'. Alternatively, you can search the text that the cataloguer has used to describe the seal's motif, eg: 'griffin'. The description information page provides links to related descriptions and to the seal information page.

impression/matrix/cast 🐧 🦹 🔘



Seals survive in different physical forms. A matrix is a stamp used to make a seal impression. A seal impression is an object imprinted with a seal matrix. A cast is a modern copy of a seal impression.



LABS

CALLERY

CONTACT

RTI Image Gallery

Interact with advanced seal imagery.



Contributing Repositories & Sources

Search 40598 seal records from the following sources.

Publications and Projects

Catalogue of British Seal-Dies in the British Museum Catalogue of Seals in the Department of Manuscripts in the British Museum Catalogue of Seals in the Public Record Office

Catalogue of Seals in the Treasury of the Dean and Chapter of Durham Portable Antiquities Scheme

Seals in Medieval Wales and the Welsh Marches The National Archives, Kew, Catalogue of Seals

Repositories

Bangor University, Archives and Special Collections

British Library British Museum

Canterbury Cathedral Archives

Cheshire Archives and Local Studies

Durham Cathedral Library

Durham County Record Office

East Sussex Record Office

Gwynedd Archives, Caernarfon Record Office

Hereford Cathedral Archives

Herefordshire Archive Service Huntington Library

London Metropolitan Archives

Museum of London

http://digisig.org/: an enhanced and searchable version (with photos where possible) of British archives' and libraries' catalogues



AUTEURS

CONTRIBUTEUR

ETUDIER UN SCEAU

COLLECTIONS / THÉMATIQUES

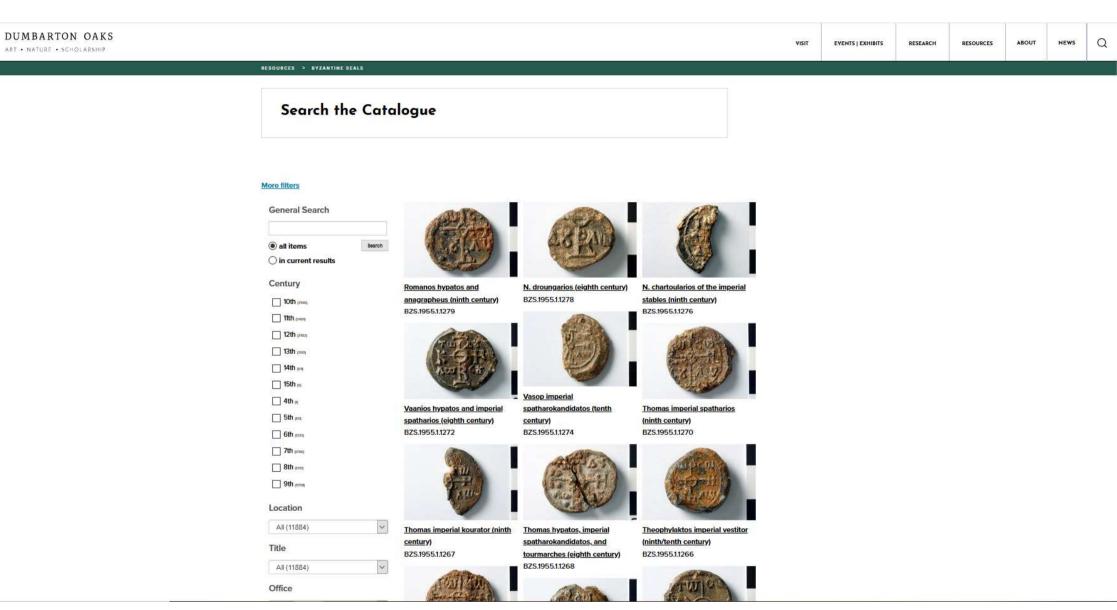


LE PROJET SIGILLA

Sigilla est la concrétisation d'un outil de recherche simple rapide et unifiée au travers de toutes les sources sigillographiques françaises. Le projet a la volonté de considérer le sceau dans sa sérialité, et dans son contexte et développe une démarche pluridisciplinaire qui associe la diplomatique, l'emblématique et l'épigraphie. Le projet est conduit par un consortium d'établissements qui réunit des universités, des services d'archives et des établissements de recherches. Son accès est libre et ouvert à tous les possesseurs de sources sigillographiques.

http://www.sigilla.org/

A more elaborated search tool based on French archives' and libraries' catalogues



<u>https://www.doaks.org/resources/seals/byzantine-seals#b_start=0</u>: ongoing catalogue of the Byzantine seals collection₀at Dumbarton Oaks Research Library and Collection, Washington D.C.

Anastasios archiatros (tenth/eleventh century)



Obverse

Patriarchal cross (X on lower crossing) on three steps. Fleurons rise from the base to the upper crossbar. Border of dots.

Reverse

Inscription of four lines, a cross above. Border of dots.

.ER,Θ,

..ACTA

.APXI

TPO

[Κ(ὑρι)]ε β(οή)θ(ει) [Ἀν]αστα[σ(ἱω)] ἀρχι[α]τρο

ACCESSION NUMBER	BZS.1958.106.5338
DIAMETER	19.0 mm

Translation

Κύριε βοήθει Άναστασίω άρχιατρο.

Lord, help Anastasios, head surgeon.

Commentary

The rare term archiatros indicates that the owner of this seal was "head surgeon."

https://www.doaks.org/resources/seals/byzantine-seals/BZS.1958.106.5338/view

SigiDoc is...

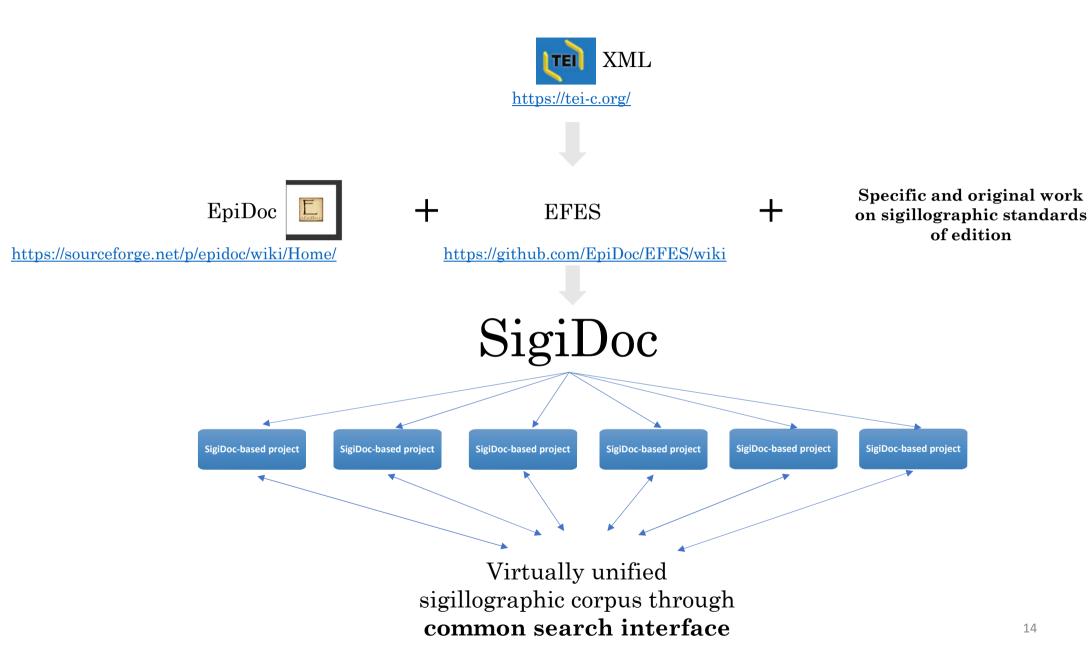
...an XML-based & TEI-compliant tool and encoding standard for the digital edition of Byzantine seals and the digital conversion of paper-published editions

From a SigiDoc point of view, a seal is:

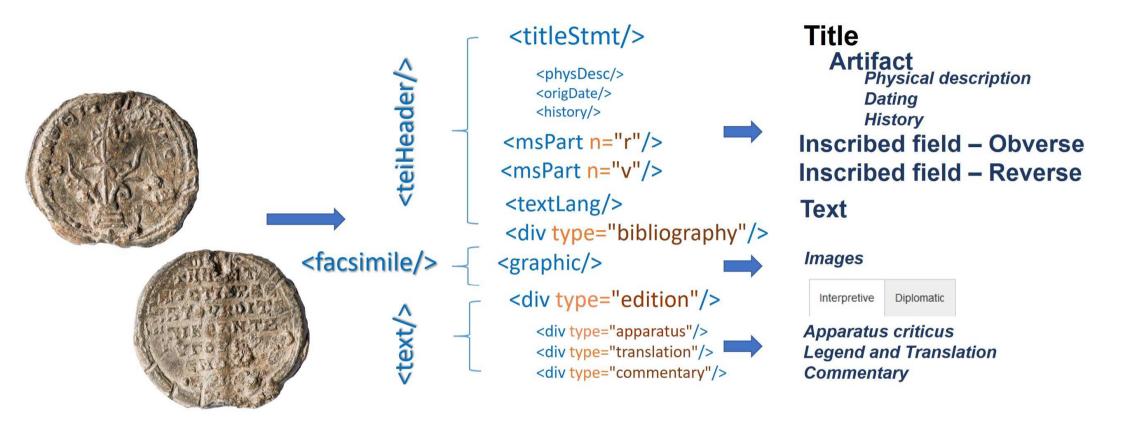
➤ an object — numismatics
➤ a text — epigraphy (numismatics)

>an iconography ————— numismatics

A major difference: unlike for coins, usually there are not **series** of inscriptions and seals



The structure of a Sigidoc XML file: the template for the edition of a Byzantine seal

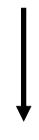


From the seal (left) to the EFES-generated webpage (right), through the SigiDoc XML template (middle)

SigiDoc (adapted from EpiDoc)

Produces XML files containing all the information, esp.:

- Metadata
- Legend (text)
- Indexing information



EFES

- Organisation of data (indices, search form, ...)
- Visualisation and publication: dratf of the final web page

An exemple of how SigiDoc encodes a seal's text (i.e. a legend)

```
<div type="textpart" subtype="sigla" n="obv" rend="linear">
           <ab>
             <cb n="a"/>
             <rs type="marianSigla" ref="marianSigla.xml#Μήτηρ_Θεοῦ">
                <w lemma="μήτηρ" lemmaRef="http://www.perseus.tufts.edu/hopper/morph?l=mhthr&amp;la=greek">
                  <expan><abbr>M</abbr><ex>ήτη</ex><abbr>p</abbr></expan>
                </w>
             <cb n="b"/>
                <rs type="divinity" ref="divinities.xml#Θεός">
                  <expan><abbr>Θ</abbr><ex>εο</ex><abbr>ῦ</abbr></expan>
                </rs>
              </rs>
           </ab>
         </div>
                                                       Μ(ήτη)ρ Θ(εο)ῦ
                                         \overline{M}P-\overline{OV}
                                                                                                                 18
```

> +ΘΚΕ̈RO ΗΘΕΙΨΡΟΕ ΛΗΠΡΟΕΔΡϢ SCTPATOΠΕ ΔΑΡΧΗ

+ Θ(εοτό)κε βοήθει Οὐρσέλη προέδρῳ (καὶ) στρατοπεδάρχη



Seal of Oursel (Roussel) de Bailleul, proedros and stratopedarches (1070/72-1078)

```
<lb n="1"/>
       <rs type="invocation" ref="invocation.xml#Invoc5">
         <rs type="marianAppellative" ref="marianAppellatives.xml#Θεοτόκος">
           <expan><abbr>Θ</abbr><ex>εοτό</ex><abbr>κε</abbr></expan>
         </rs>
         <w lemma="βοηθέω" lemmaRef="http://www.perseus.tufts.edu/hopper/morph?l=bohqei&amp;la=greek">
           βο
       lb n="2" break="no"/>ήθει
         </w>
       </rs>
                                                                                                               20
```





<lb n="4"/>

<w lemma="καί" lemmaRef="http://www.perseus.tufts.edu/hopper/morph?l=kai&la=greek">

<expan><ex>καί</ex></expan>

</w>





The iconography (in progress)

- o a major challenge
- SigiDoc will also come with an iconography description standard specifically designed for Byzantine sigillography
- o the principle is:



- > data are organised in **hierarchical order**, from the largest categories (person, animal, cross, etc.) to the smallest details (objects held by persons, clothes, attributes, etc.)
- > the system is **extensible**

The iconography (in progress)

Which is the best way to handle and display it?

XML to visualise the description inside the seal's edition?

A drop-down menu with constrained choices for a search interface?

The iconography (in progress)

Animal

DESCRIPTION

Number	Class	Species	Stance
1	winged	eagle	flying right

ATTRIBUTES

Object	Field	Appearance	Gesture
ribbon aroundNeck	cross betweenWings	curvedWings	wingsUplifted upward



These terms look weird simply because the stylesheet takes the attributes' values in the XML file

> The elements and the attributes of the decriptive XML files (partly represented here in green) are also the fields for a future **search form**

