

The Renewal of Ancient Numismatics in the Digital Era

Caroline Carrier, Ludovic Trommenschlager

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Caroline Carrier, Ludovic Trommenschlager. The Renewal of Ancient Numismatics in the Digital Era . The Future of Science, G. Glasson-Deschaumes (MSH Mondes) et M. Heinz (Université de Paris Nanterre), Nov 2023, Nanterre (92), France. hal-04391761

HAL Id: hal-04391761 https://univ-evry.hal.science/hal-04391761

Submitted on 13 May 2024 $\,$

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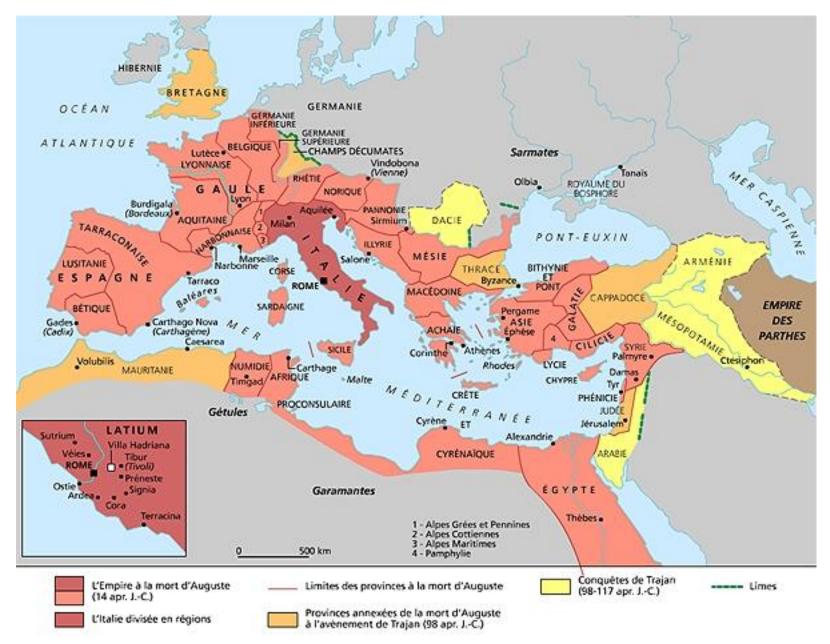
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The renewal of ancient numismatics in the digital era

Caroline Carrier et Ludovic Trommenschlager



The web portals and websites include coins struck throughout Antiquity, between the 7th century BC when the first ones were struck in Lydia (Turkey), to the 5th century AD This includes territories located all around the Mediterranean from **Spain to India**



https://www.larousse.fr/encyclopedie/autre-region/Rome_IEmpire_romain/187438

Today, there are around **20 open access portals** allowing researchers to gather thousands of coins held in museums around the world.

Coins are a very important archaeological and historical source:

- they are a testimony of the representation of states
- they are a source about the economy and about politics
- for the Greek world at least, it's also often the only source we have covering the entire political history of a state
- It's a precious archaeological artefact to date contexts
- => The study of ancient coins matters for all historians and archaeologists

The renewal of ancient numismatics in the digital era

- I. The main websites in Greek, Roman and Celtic numismatics
 - II. Their contributions to the discipline and beyond
 - III. The main obstacles to this kind of project



Nomisma.org

Nomisma.org is an international, collaborative project to provide stable digital representations of numismatic concepts according to the principles of Linked Open Data (LOD). These take the form of HTTP URIs that also provide access to reusable information about those concepts, along with links to other resources. The Nomisma.org community maintains a formalized RDF Ontology and a data model for encoding concepts, coins, typologies, hoards, and other types of numismatic objects as LOD.

Since 2010, the nomisma.org project has been hosted and financially supported by the American Numismatic Society in New York. It was founded by Andrew Meadows, then deputy director of the Society, and Sebastian Heath, its data scientist. The current Principal Developer of the Nomisma project is Ethan Gruber, Director of Data Science at the ANS.

The information made available by Nomisma.org has been provided by a wide community of scholars and institutions. All concepts published by Nomisma.org domain are openly accessible with a CC-BY license. See the Datasets page for further license statements for partner contributions to the Nomisma.org LOD ecosystem.

If you would like to support the work of the ANS and the wider numismatic community in maintaining this resource for future generations, please consider making a donation to the ANS by visiting https://numismatics.org/giving/.

Get Involved

We are interested in contributions of open numismatic data. If you are a scholar willing to contribute expertise to expand the scope of Nomisma's coverage of concepts, please contact a relevant Working Group or the Scientific Committee to establish a new one

Get Data

Nomisma.org concept and contributing partner Linked Open Data are available as bulk downloads. A SPARQL endpoint integrates these data and enables querying to answer complex research questions.

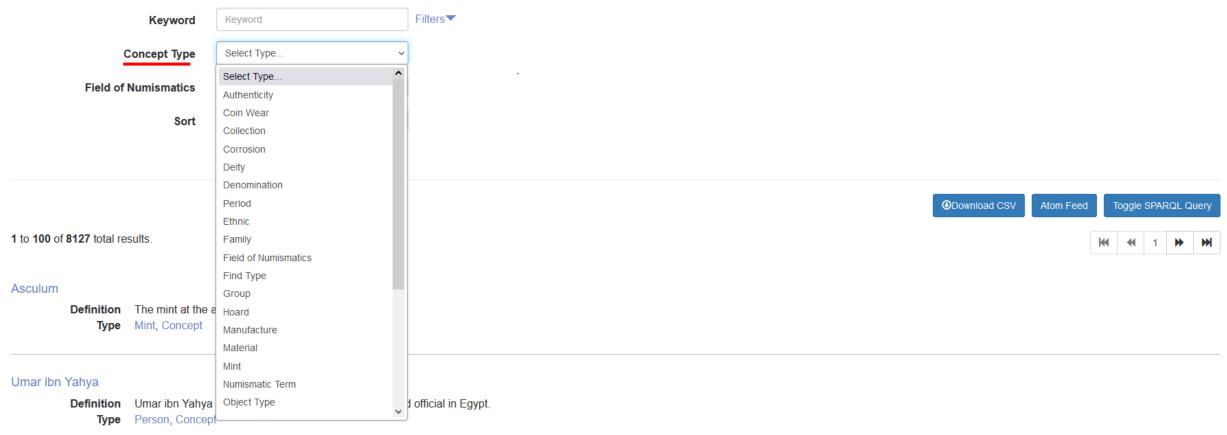
Conduct Research

Nomisma.org has built-in typological distribution and metrical analysis features, but most resesearch tools available in thematic projects listed in the About page. We plan to expand these graphical tools in Nomisma eventually, but the SPAPOL examples provide a tutorial for

Nomisma.org is an international, collaborative **project** to provide stable digital representations of numismatic concepts according to the principles of Linked Open Data. The web site has been created in 2010 with the open source software Numishare created by Ethan Gruber. The project was led by Andrew Meadows and Sebastian Heath from the **American Numismatic Society** in New York.

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Browse Nomisma IDs



Clay

Definition Clay is a fine-grained natural rock or soil material that combines one or more clay minerals with traces of metal oxides and organic matter. Type Material, Concept

Anaxidikos (II)

Definition An individual who issued coins at the ancient city of Abdera, 439/437-411/410 BC. See J. May, The Coinage of Abdera (540-345 B.C.) (London, 1966), pp. 44-48.

Browse Nomisma IDs

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				d official in Egypt.
Medieval Spanish Numismatics	Туре	Person, Concept		
✓			Medieval Spanish Numismatics	

Clay

 Definition
 Clay is a fine-grained natural rock or soil material that combines one or more clay minerals with traces of metal oxides and organic matter.

 Type
 Material, Concept

Anaxidikos (II)

Definition An individual who issued coins at the ancient city of Abdera, 439/437-411/410 BC. See J. May, The Coinage of Abdera (540-345 B.C.) (London, 1966), pp. 44-48. Type Person, Concept Q

Athens (Mint, Concept)

Canonical URI: http://nomisma.org/id/athens

Labels

 Preferred Label
 Athens (en), Athen (de), Athènes (fr), Atene (it), Aθήνα (el), Atenas (es)

 Additional labels
 Athenai (en)

Definitions

en The mint at the ancient site of Athens in Attica.

Geospatial Data

L

URI: http://nomisma.org/id/athens#this

Latitude	37.974722
ongitude	23.7225
Part Of	http://nomisma.org/id/attica#this

Relations

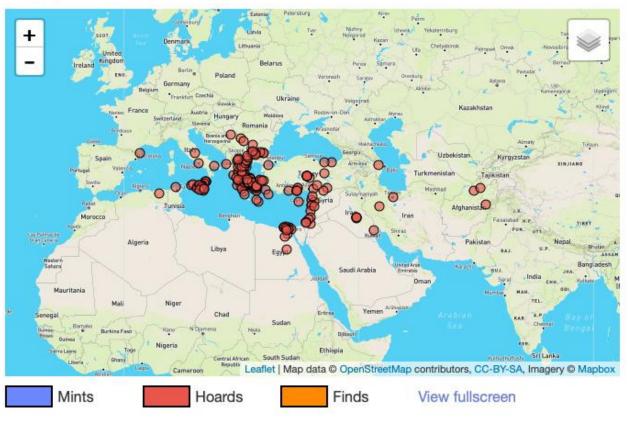
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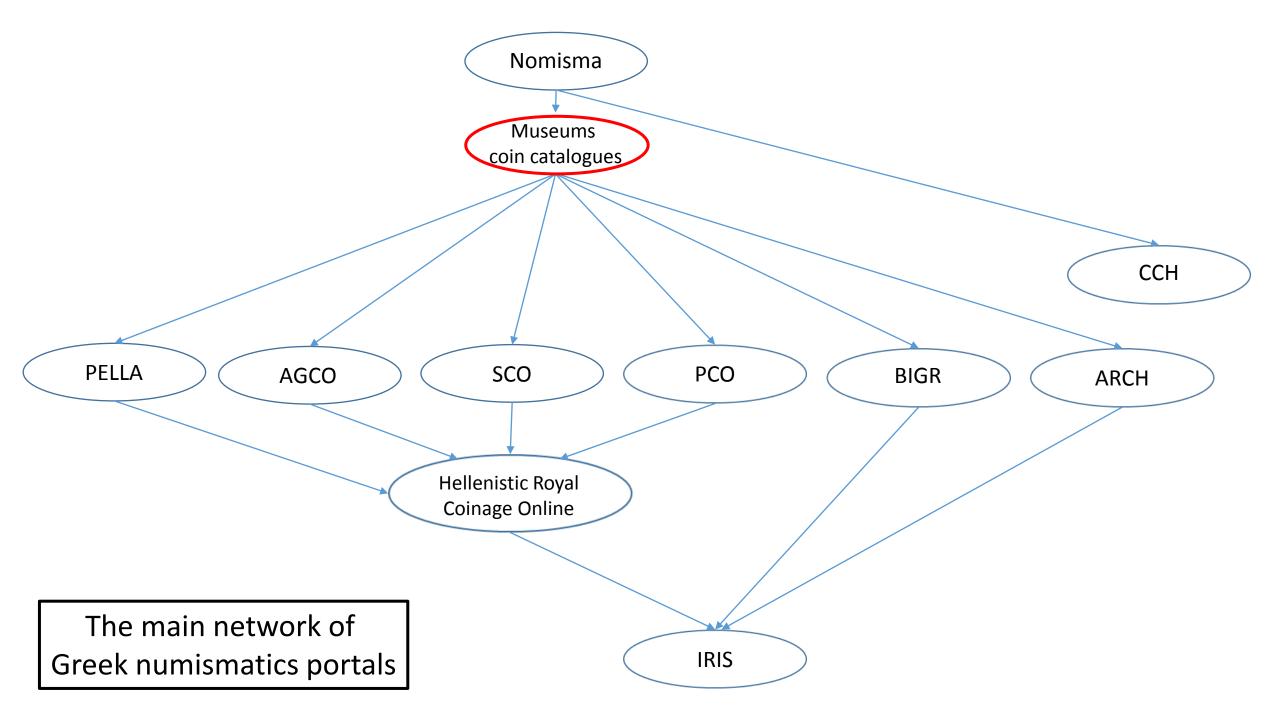
Broader Concept	http://nomisma.org/id/attica
Close Match	http://catalogue.bnf.fr/ark:/12148/cb11936474k
Close Match	http://collection.britishmuseum.org/id/place/x22744
Close Match	http://d-nb.info/gnd/4003366-1
Close Match	http://dbpedia.org/resource/Athens
Close Match	http://geonames.org/264371
Close Match	http://sws.geonames.org/264371/
Close Match	http://sws.geonames.org/6947693/
Close Match	http://viaf.org/viaf/312916042
Close Match	http://vocab.getty.edu/tgn/7001393
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Close Match	https://pleiades.stoa.org/places/579885
Close Match	https://www.freebase.com/m/0n2z

Export

Linked Data GitHub File RDF/XML RDF/TTL JSON-LD

Geographic Data KML GeoJSON





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Les rois macédo mines de métau monumentale. D frappées par les mêmes et celui destiné à comble jusqu'à Philippe au nom de ces

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THE BRITISH MUSEUM - SWISS NUMISMATIC SOCIETY

e le monnayage le plus influent du monde grec ancien. Tout d'abord alimentée par les dants trésors de l'empire perse, la production monétaire des Argéades a été vant J.-C.) et Alexandre le Grand (roi de 336 à 323 avant J.-C.) ont continué d'être entrale, en Europe centrale, et en Arabie. Le monnayage émis par les Argéades euxde catalogue complet facilement accessible. PELLA est un nouvel outil de recherche I (roi de 498 à 454 avant J.-C.), le premier roi de Macédoine à frapper monnaie, s en compte les nombreuses émissions civiques et les monnaies des règnes suivants (au nom) d'Alexandre le Grand et Philippe Arrhidée figurant dans les collections de

I'ANS, du Cabinet des medallies des musees d'Etat de Benin et du British Museum. Avec le temps, le catalogue englobera les monnayages des rois précédents et des exemplaires d'autres collections

PELLA est appuyé sur les identifiants numismatiques stables et la méthodologie linked open data établie par le projet nomisma.org. Les donnée des types monétaires sont rendues accessibles par une licence Open Database. Toutes les images sont sous copyright de leurs institutions respectives. La version actuelle de PELLA et construite sur le système de numérotation créé par Martin Price, The Coinage in the Name of Alexander the Great and Philip Arrhidaeus, Londres 1991.

https://numismatics.org/pella/

Support



NATIONAL **ENDOWMENT** FOR THE **HUMANITIES**

Chercher

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Options de données

Géographique

Mints: GeoJSON, KML

Keyword

Chercher

Q

Raffiner le résultat

Stated Authority: Alexandre le Gr ...

Autorité émettrice 🗸

Divinité 🕶

Dénomination 🕶

Emetteur 🕶

Matériau 🗸

Atelier 🕶

Région -

Symbole

TypeNumber

Wildcards * and ? are supported.

Intervalle chronologique

A partir de l'année

CE 🗸

Jusqu'à l'année



	iltres Résultats	géographiques		
Afficher les références 1 à 20 à partir de 4270 résultats	Stated Authority: Alexandre le	Grand		
	Afficher les références 1 à 20 à r	artir de 4270 résultats		
Sélectionner à partir de la liste 🗸 Ordre ascendant 🗸 👫 Classer les résultats	Afficher les références 1 à 20 à p	artir de 4270 résultats		

Price 3075A

Date	320 BCE - 280 BCE
Dénomination	Tétradrachme
Atelier	Valeur incertaine
Avers/Droit	Tête d'Héraclès imberbe à dr. coiffé d'une dépouille de lion
Revers	AΛEΞANΔPOY: Zeus assis à g. sur un trône, un aigle dans la main dr. tendue et un sceptre dans la main g.

Price 1

Date	336 BCE - 323 BCE	-
Dénomination	Tétradrachme	
Atelier	Amphipolis	1 Se
Avers/Droit	Tête d'Héraclès imberbe à dr. coiffé d'une dépouille de lion	
Revers	AΛΕΞΑΝΔΡΟΥ: Zeus assis à g. sur un trône, un aigle dans la main dr. tendue et un sceptre dans la main g.	



00,000

To fill in the portal, museums worked together to establish a common description protocol in several languages for the coin types, they took pictures of their coins, and they hired people to catalogue their collections. Then the notices were linked to PELLA. Today around **21 000 coins from 23 museums are classified in PELLA** and the **website is available in 18 languages**.

Price 2

Date	336 BCE - 323 BCE
Dénomination	Drachme
Atelier	Amphipolis
Avers/Droit	Tête d'Héraclès imberbe à dr. coiffé d'une dépouille de lion
Revers	AAEEANAPOY: Aigle à dr., tête retournée, debout sur un foudre

Price 3

 Date
 336 BCE - 323 BCE

 Dénomination
 Diobole

 Atelier
 Amphipolis

 Avers/Droit
 Tête d'Héraclès imberbe à dr. coiffé d'une dépouille de lion

 Revers
 AAEEANΔPOY: Deux aigles affrontés sur un foudre

Price 3A

Date 336 BCE - 323 BCE Dénomination Obole Atelier Amphipolis

Chercher

EXPORT: NUDS/XML RDF/XML TTL JSON-LD KML GeoJSON IIIF Manifest (view)

Q

Price 6

Canonical URI: http://numismatics.org/pella/id/price.6

Exemples de ce type | Analyse quantitative | Annotations

Description typologique

Type d'objet: Monnaie 🕝 Intervalle chronologique: 336 BCE - 323 BCE Dénomination: Tétradrachme 🕝 Technique d'émission: Frappé 🕝 Matériau: Argent 🕝

Autorité émettrice

Autorité émettrice: Alexandre le Grand Dynastie: Argéades Etat: Royaume de Macédoine Stated Authority: Alexandre le Grand Dynastie: Argéades Etat: Royaume de Macédoine C

Géographique

Atelier: Amphipolis (Valeur incertaine) C Région: Europe-Macedon-Strymonian and Bottiaean District

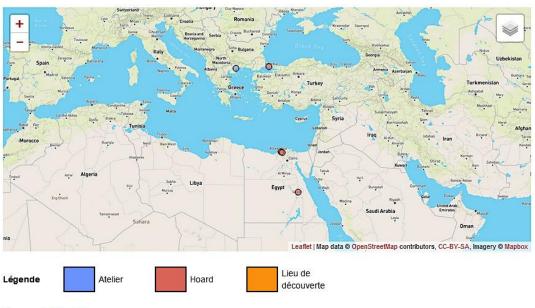
Avers/Droit

Type: Tête d'Héraclès imberbe à dr. coiffé d'une dépouille de lion Divinité: Héraclès 🕑

Revers

Légende: A∧E∃AN∆POY Type: Zeus assis à g. sur un trône, un aigle dans la main dr. tendue et un sceptre dans la main g. Divinité: Zeus Symbole (Dans le champ gauche): janiform-head vase TypeSeries: Price (1991)





View map in fullscreen.

Records 1 to 48 of 50	
Silver Coin of Alexander III of Macedon, Amphipolis, 336 BCE - 323 BCE. 1944.100.26724	Silver Coin of Alexander III of Macedon, Amphipolis, 336 BCE - 323 BCE. 1944.100.26729
Collection American Numismatic Society	Collection American Numismatic Society

Collection American Axe 10 Poids 17.05

Exemples de ce type Oownload CSV







Silver Coin of Alexander III of Macedon, Amphipolis, 336 BCE - 323 BCE. 1944.100.26730 Collection American Numismatic Society Axe 10

Next 🕨 2 🔛

1

Poids 16.96



Symbols

Click the buttons for letters below in order to select them in order to filter for only those monograms that contain the letters (click Refine Search after the selection is complete). Clicking a selected letter again will deselect it.



Refine Search

Records 1 to 24 of 1207



Price Monogram 1000 Q : K, Y, and O



Price Monogram 1008 Q : A, O, and F



Price Monogram 1015 Q : O and M



Price Monogram 1001 Q : K, O, and E



Price Monogram 1010 Q : O and M

Price Monogram 1016 Q

: O, M, and Ψ



: O, M, and Y



Price Monogram 1004 Q : O and A



Price Monogram 1011 Q : O and M



Price Monogram 1017 Q



Price Monogram 1005 Q : O, A, and Y



Price Monogram 1012 Q : O, M, and E



Price Monogram 1018 Q : О, П, and М



Price Monogram 1006 Q : A, Y, and O



Price Monogram 1013 Q : O, M, and Y



Price Monogram 1019 Q : О, М, and П



Q



Price Monogram 1007 Q : A, Y, and O



Price Monogram 1014 Q : O, M, and Y



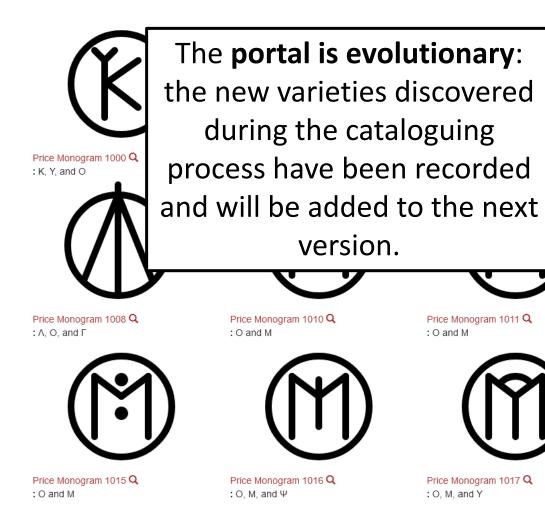
Price Monogram 1020 Q : О, М, and П

Symbols

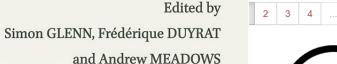
Click the buttons for letters below in order to select them in order to filter for only those monograms that contain the letters (click Re



Records 1 to 24 of 1207



Alexander the Great. A Linked Open World



Chercher



Price Monogram 1019 Q : O, M, and Π Price Monogram 1020 Q : О, М, and П

2 3 4 ... Next 51 €



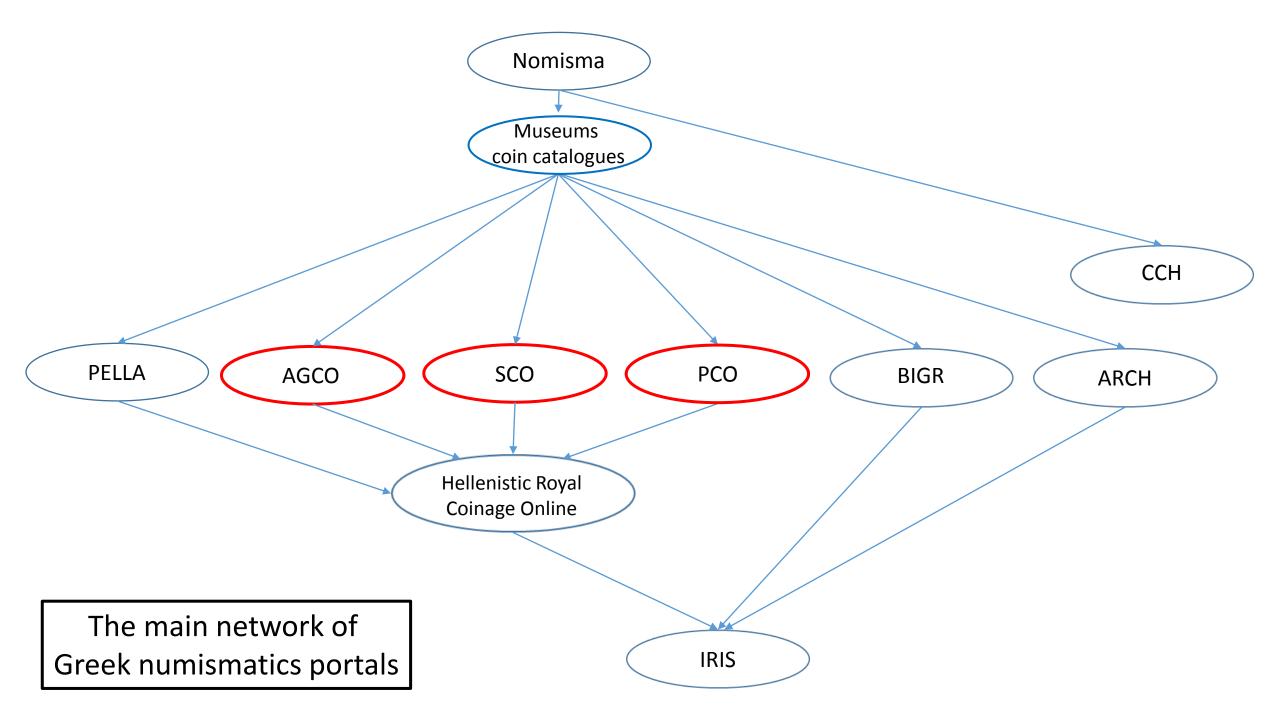
Price Monogram 1007 **Q** A, Y, and O

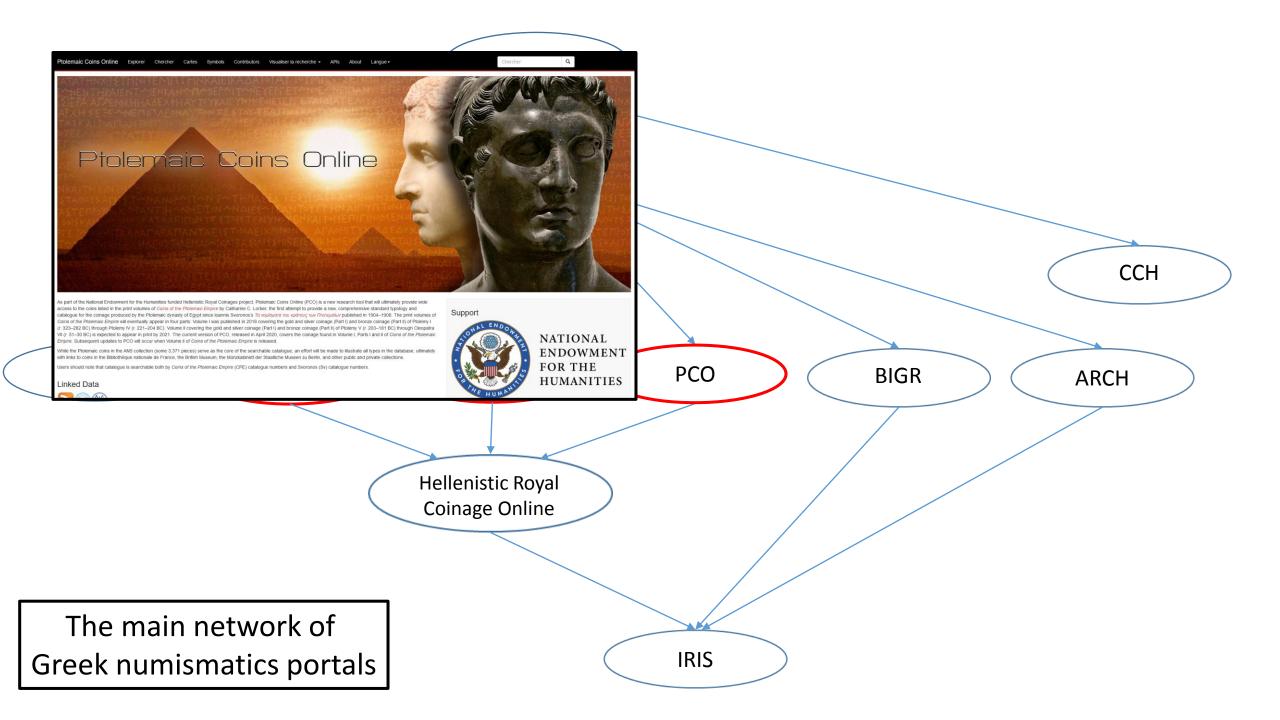


Price Monogram 1014 **Q** O, M, and Y











As part of the National Endowment for the Humanities funded Hellensitic Royal Contages project, Ptolemaic Cons Online (PCO) is a new comprehensive standard typology and access to the coins listed in the print volumes of *Coins of the Ptolemaic Empire* by Catharine C. Lorber: the first attempt to provide a new comprehensive standard typology and adalogue for the coinage produced by the Ptolemaic Assay of Egipt ance Learnis Svortnors 3 to volupiorum tov adproc, the *Ptolemaic Pupule* and part volumes of *Coins of the Ptolemaic Empire* will eventually appear in four parts. Volume I was published in 2016 covering the good and safer conseq (Part 1) and bronze conseq (Part 1) of Ptolemy V (2020–518 CE) (Trung) Leoparta (23-28-28 CE) (Though Polemy II (2-21-246 E). Volume 1: covering the good and safer conseq (Part 1) and bronze conseq (Part 1) of Ptolemy V (2020–518 CE) (Thrung) Leoparta (If (5-32-282 CE)) (Though Polemy II (2-21-246 E). Volume 1: covering the good and safer conseq (Part 1) and bronze conseq (Part 1) of Ptolemy V (2020–518 CE) (Thrung) Leoparta (If (5-50 EC) is expected to appear in print by 2021. The current version of PCO, released in April 2020, covers the coinage found in Volume I, Parts I and II of Cons of the Pholemac Empire teased.

Where the Polemanic conts in the ANS collection (some 3.37 pieces) serve as the core of the searchable catalogue, an effort will be made of buildrafte all types in the database, utimatels with links to coms in the Bioliotheque nationale de France, the British Museum, the Manzkabnett der Statatiche Museen zu Berlin, and other public and private collections. Users should note that catalogue is searchable both y Core of the Polenaice Engine (CFE) catalogue numbers and Svorenos (Siv) catalogue numbers.

Linked Data



Seleucid Coins Online Explorer Chercher Cartes Symbols Contributors Visualiser la recherche + APIs About Langue +



In January, 2016, the American Namismatic Society launched Selecicid Coins Online. At the time if was announced that the development of Selecicid Coins Online (SCO) would site place in two parts in imitation of the print volumes, Selecicid Coins A Comprehensive Catalogue by Athur Houghton. Catharine Lorber, and Oliver Houser, published in two parts in 2002 and 2006 by the American Numismatic Society and Classical Numismatic Group, in: The trist parts it photophic and Lorber, presented and interpreted at the numismatic material for Seleculars 10 Artificities III Known up to 2002. The second part, by Houghton, Lorber, and Houver, did the same for the Selecuid kings from Selecular V fo Antiochus XIII. In total, more than 2.451 primary on bit heave conditioned in these values.

This current version of SCO (v2), launched in November, 2018, completes the type corpus incorporating material related to Seleucid Coins, Part I, covering the religns from Seleucus I to Antochea III (c. 320–187 EC), and the material in Part I covering the religns from Seleucus V to Antochea XB (167–64 BC) as well as the postful mouth and/one (Sa–14/13 EC). Note that the numbering system of SCO now corresponds table to be perturbationations; the numbering system used in SCO v1 has been deprecated.

As part of the National Endowment of the Humanities funded Hedersitics Royal Colonages project. Selecuid Coins Online (SCO) is a new research tool that will provide visite access to the coins listed in the print volumes of Selecuid Coins—not only the entries in the main catalogue, but also pieces presented separately in the appendices (e.g., plated issues, non-Selecuid coins beams) Beducid countermans, etc.). While the Selecuid coins in the AS collection (some 5,12 pieces) serve as the coirs of the saturchate catalogue, all types in the organia publications will be included in the database, utilizately with links to comos (many of which are unque) in the Bibliothèque nationaide of Endows. The Shiftshi Nuseum, the Nutrabatient data publications will be included in the database, utilizately with links to comos (many of which are unque) in the Bibliothèque nationaide of Endows. The Shiftshi Nuseum, the Nutrabatient data publications and the catabase, utilizate of the catabase with provide corrections to descriptions and integrination will be catabase commentary by Oliver Hower. Links to relevant bibliography in DONUM, the ANS online litrary catalogue, and eventually to articles are envisioned for the future in order to make Bedrucid Coom Chine virtual and and the orsersanch tool of Selecuid numerates.

Selectod Cores Online will also stand at the cutting edge of the discipline through the inclusion of new coin types and varieties that have been recorded since 2000. Previously unknown material has been papering at a rate of about 100 corise prevan and there is no inclusion that the follow is kelv to stop anythme soon. Selectod Coriso Rine will be the not paper where researchers can keep track of such new coins comprehensively and the expanding picture of Selecuid Coronic, political, and at this picture shows that this discovered. Interview many explosition and the the standing because the uses to find and leave and both rem invalues almost alm that this discovered. Interview reading Selecuid Coronic political, and at the up-to-date catalogue available In March 2017, the National Endowment for the Humanities awarded Seleucid Coins Online \$262,000 as part of the the broader Hellenistic Royal Coinages (HRC) initiative. This grant is issued through the NEH Humanities Collections and Reference Resources program, to be dispersed over three years, to complete the project.

NATIONAL

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HUMANITIES

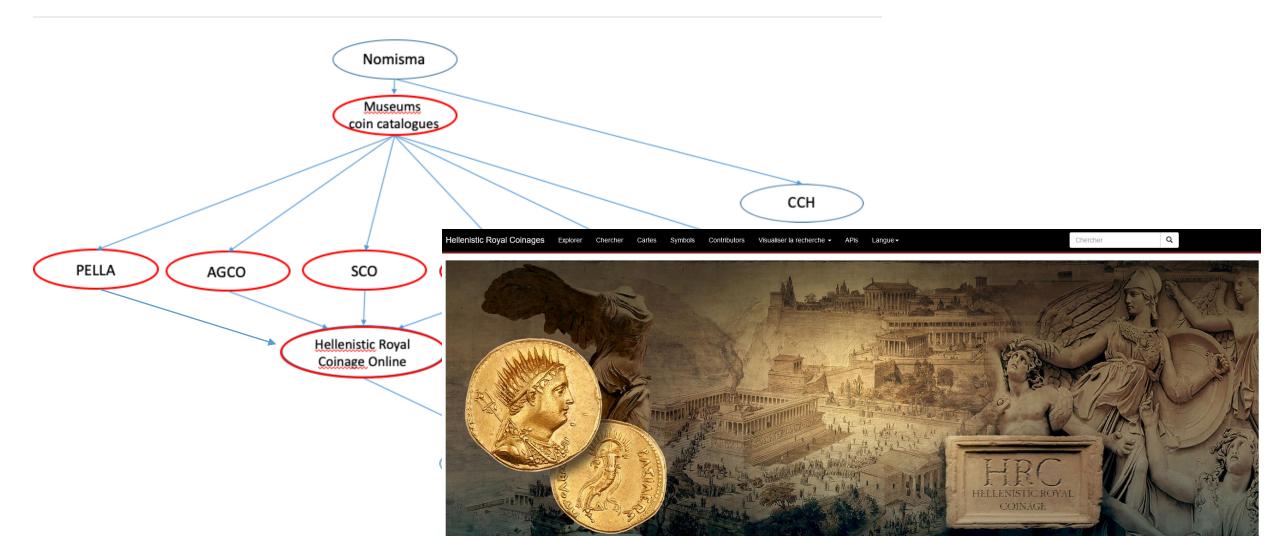
Support

Hellenistic Royal Coinage Online

Support

The main network of Greek numismatics portals





The 4 portals have been gathered in another portal named "Hellenistic Royal Coinage Online"

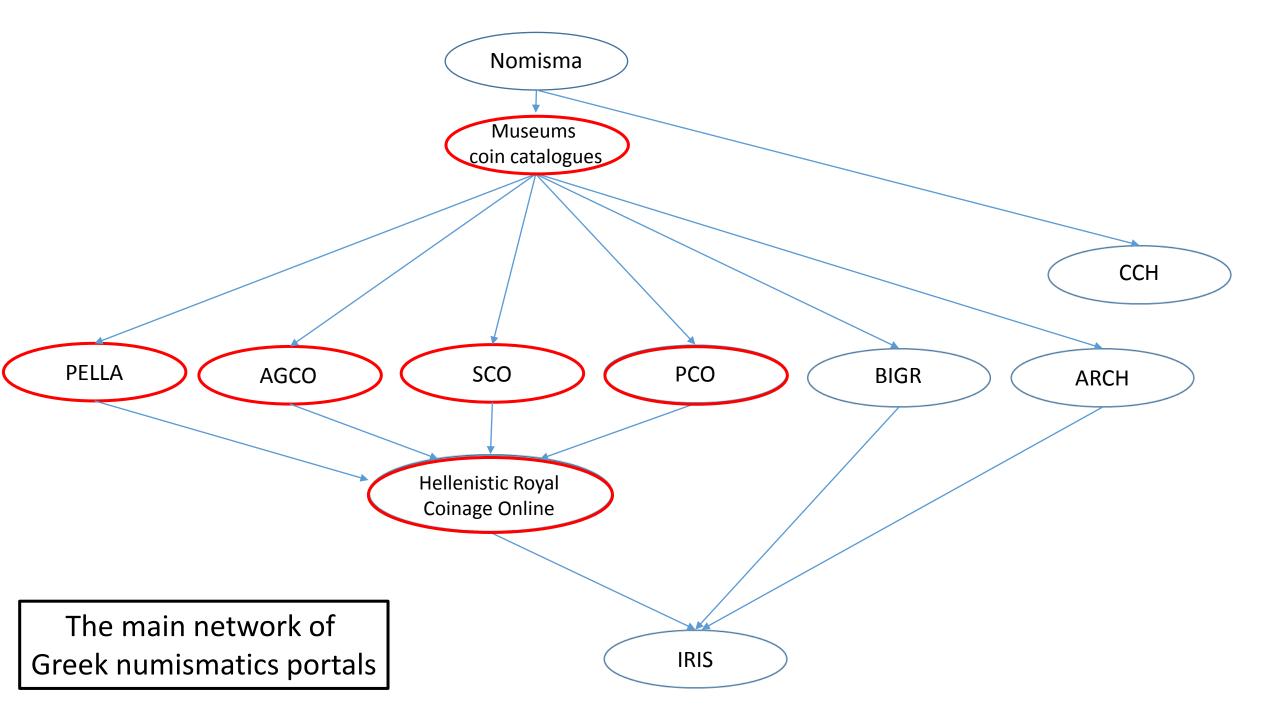
Hellenistic Royal Coinages (HRC) is a National Endowment for the Humanities funded project based at the American Numismatic Society in New York City. HRC is a web-based resource for users to learn about, research, and conduct different types of analyses on the coinages produced by the different dynasties and rulers of the ancient Mediferranean and Near East during the Hellenistic period (ca. 323–31 BC). These include the coins struck by (and in the name of) Alexander the Great and those struck by his successors, such as the Seleucids in the Near East and the Ptolemies in Egypt.

This site, the HRC Union Catalogue, allows users to search across all existing HRC type corpora simultaneously. These include: PELLA, a resource that currently focuses on the coinage in the name of Philip I of Macedon and Alexander the Great; Seleucid Coins Online, a resource devoted to the coinage of the Seleucid dynasty; and Ptolemaic Coins Online, a resource for the coinage of the Ptolemaic dynasty, and Antigonid Coins Online, which currently includes the coinage of Demetrius Poliorcetes. In the future we hope to add additional resources for the coinages of other Hellenistic dynasties and rulers including the Antipatrid, Attaid, and Bactrian dynasties.

While the American Numismatic Society's collection serves as the core of all these searchable catalogues, thousands of examples are illustrated by links to coins in other major collections including those in the Bibliothèque nationale de France, the British Museum, the Münzkabinett der Staatlichen Museen zu Berlin, and other public collections in the US and Europe.



NATIONAL ENDOWMENT FOR THE HUMANITIES





ARCH

A typology of Ancient Greek Coinage

The ARCH project uses Linked Open Data technology and the standards of the nomisma.org project to establish an overarching portal for the study, curation, archiving and preservation of the monetary heritage of the ancient world - the Greek oikoumene. It aims to present a high-level overview of all the coin types traditionally subsumed within the discipline of 'Greek' numismatics, from the 7th to the 1st century BC. These are made available partly through a new typology (IRIS) created as part of the ARCH project based on existing bibliography, and partly through links to other online portals that cover specific regions or types of coinage. The constituent parts can be found at:

Linked Data

IRIS Moneda Iberica (MIB)

Hellenistic Royal Coinage Corpus Nummorum Online

Geographically, the project thus encompasses the ancient Mediterranean world and all of its cultures (with the exception of Rome and its provinces), as well as eastern regions as far as Arabia and the eastern limits of the empire of Alexander the Great. The following regions and coinages are not included and may be consulted elsewhere:

Parthia: parthia.com Bactria and the Indo-Greeks: The OXUS-INDUS Project Iron-Age Britain: Iron Age Coins in Britain

For further information on the principles behind the creation of the typology and the people involved please see the about page.

The ARCH project has been supported by a grant under the Joint Programming Initiative on Cultural Heritage. Funding was provided by the Arts and Humanities Research Council in the United Kingdom, the Agence Nationale de la Recherche in France and the Ministerio de Asuntos Económicos y Transformación Digital in Spain.







IRIS

Online Greek Coinage - Skeleton Types

IRIS (IDs Recorded In Skeleton form), is a high-level typology of Greek coinage created on the principles of Linked Open Data and according to the standards of the nomisma.org project. It provides a typological overview of all ancient coinages not included in existing online typological projects, with a view to establishing a basic coverage of the entire field of Greek numismatics. Broadly speaking, this covers the ancient world from Spain, around the Mediterranean and Black Sea as far as North Africa, as well as the areas of Asia conquered by Alexander the Great. At its first release it thus serves to fill the gaps between the following projects

It does not cover the regions of Parthia, Bactria or Iron Age 'Celtic' coinages, much of which can be found in other resouces:

Parthia: parthia.com Bactria and the Indo-Greeks: The OXUS-INDUS Project Iron-Age Britain: Iron Age Coins in Britain

For further information on the principles behind the creation of the typology and the people involved please see the about page.

The creation of the IRIS typology has been supported as part of the ARCH project by a grant under the Joint Programming Initiative on Cultural Heritage. Funding was provided by the Arts and Humanities Research Council in the United Kingdom, the Agence Nationale de la Recherche in France and the Ministerio de Asuntos Económicos y Transformación Digital in Spain.



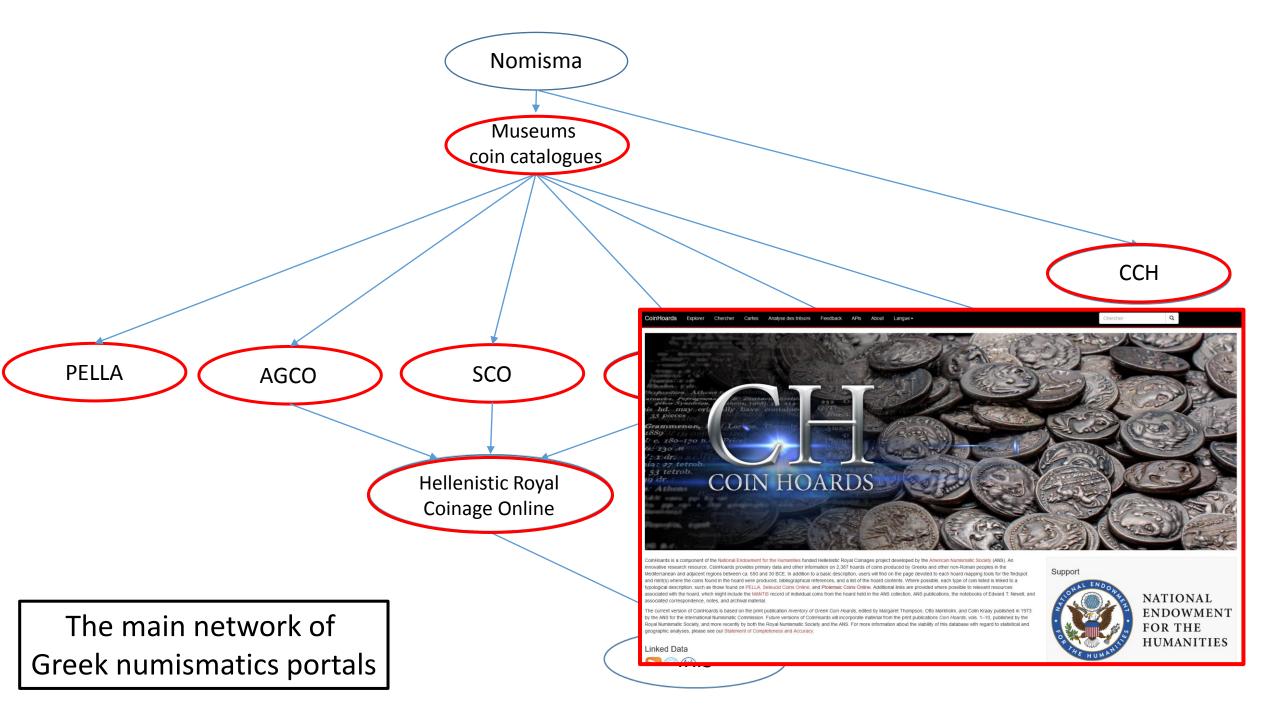
Linked Data

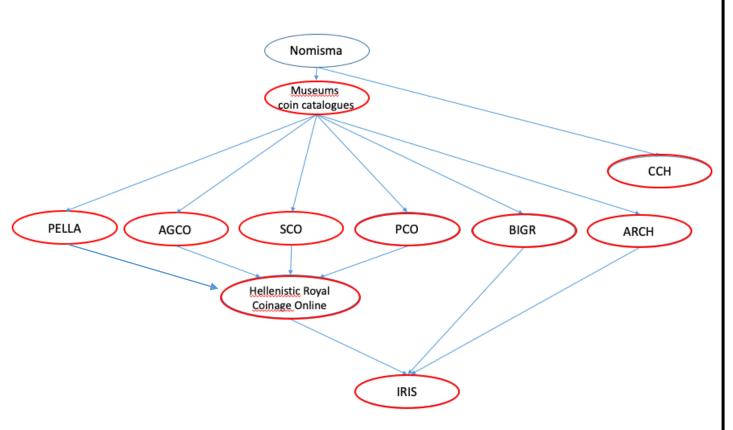


Chercher

Q







There are other thematic web sites:

- for overstrikes: coins struck with new types to make new coins (often we can see the previous types)
- for die studies to identify the dies

(ie. the matrix) used to print the

pictures on the coins (for studying

the process of striking and to know

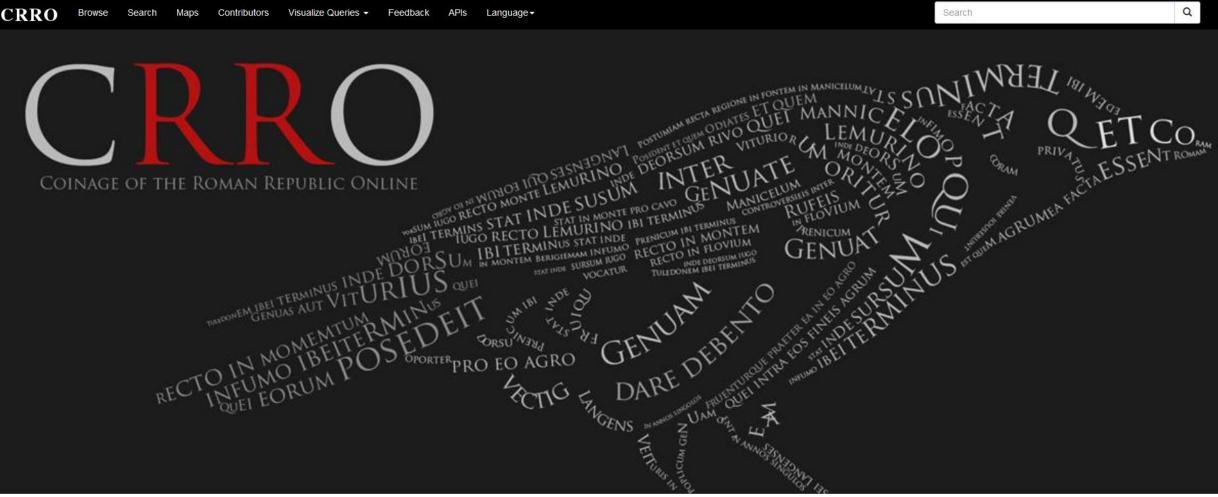
the number of coins that were

struck)

- For automatic die recognition

Roman and Celtic numismatics

- Old reference works have been used as a basis for online numismatic typology (Roman Republican Coinage)



Coinage of the Roman Republic Online

Coinage of the Roman Republic Online (CRRO) aims to provide in effect an online version of Michael Crawford's 1974 publication Roman Republican Coinage (RRC), which is still the primary typology used for the identification of Roman Republican coin types. Since its publication in 1974 there have been significant revisions to the dating of the series following the discovery of new hoards, but no attempt has been made to reflect these or make any other amendments to the published typology at this stage. The descriptions for these coins are based on the typology set out in RRC, but have been mediate the standard of the British Museumic collection were added to this database by Dichard Witesbacks of the ANS.

- Roman Republican Die Project

Roman Republican Die Project Explorer Chercher Cartes Feedback APIs How to Use

Chercher

The Roman Republican Die Project (RRDP) aims to provide URIs for each obverse and reverse die connected to Michael Crawford's Roman Republican Coinage (RRC, 1974) types published in Coinage of the Roman Republic Online. RRDP is based on Richard Schaefer's archive of Roman Republican Dies, comprising more than 300,000 specimen images. The digitized version of Schaefer's archive is available on ARCHER, the digital archives of the American Numismatic Society (see here).

Each die in RRDP is linked to specimens in SITNAM, a standalone specimen database for private materials or museum collections that have not already been published to the Nomisma.org Linked Open Data ecosystem. Additionally, dies are linked, when applicable, to coins already published to CRRO from collections such as the American Numismatic Society, Bibliothèque nationale de France, and the Berlin Münzkabinett, as to avoid duplication of materials between Schaefer's archival records and canonical URIs published by holding institutions.

In an initial phase (January 2021–2022), RRDP will focus on the die transcription of Crawford types 336-392 (92-75 BCE). This chronological range has been chosen for its historical and numismatic relevance. This project has been undertaken under the scientific supervision of Lucia F. Carbone (ANS) and Liv M. Yarrow (Brooklyn College –CUNY – Graduate Center).

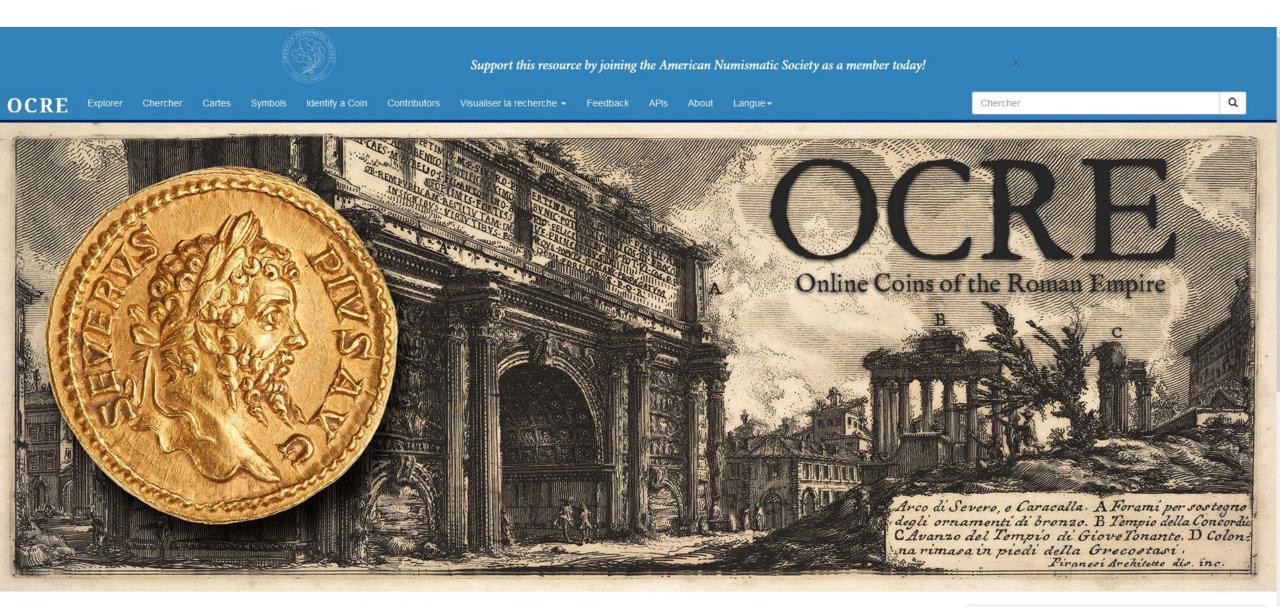
For more information on how to use these materials, see How to Use RRDP.

RRDP is made possible by stable numismatic identifiers and linked open data methodologies established by the Nomisma.org project. Die data are made available with an Open Database License.

LEAN

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Online Coins of the Roman Empire (Roman Imperial Coinage typology)



Online Coins of the Roman Empire (OCRE), a joint project of the American Numismatic Society and the Institute for the Study of the Ancient World at New York University, is a revolutionary new tool designed to help in the identification, cataloging, and research of the rich and varied coinage of the Roman Empire. The project records every published type of Roman Imperial Coinage from Augustus in 31 BC, until the death of Zeno in AD 491. This is an easy to use digital corpus, with downloadable catalog entries, incorporating over 43,000 types of coins.

Linked Data

Iron Age Coins in Britain (UK)



Ancient British Coins (ABC) is the most comprehensive reference book for the typology of the Iron Age coins of Britain. ABC catalogues 999 types of coins found in Britain from around the early to mid-2nd century BC through the 1st century AD. The earliest issues were imported to Britain from the Continent, but they were shortly thereafter minted locally, remaining in circulation even after Roman occupation.

Iron Age Coins in Britain (IACB) is now available as a digital research tool that provides access to an edited ABC online. IACB is made possible by stable numismatic identifiers and linked open data methodologies established by the Nomisma.org project. IACB is built on the numbering system created by the Ancient British Coins (ABC) series published in 2010 (available to purchase here). On this website, some aspects of this typology have been changed (e.g. descriptions, spellings), therefore this website is not the responsibility of the publishers of ABC.

Linked Data

Details about the fields and their data are given on the Info page.

Details about the digitisation project are given on the About page.

Online Celtic Coinage (project in progress)

Welcome to Online Celtic Coinage

Online Celtic Coinage is the website of the Celtic Working Group of Nomisma.org. OCC develops Linked Open

Data concepts for pre-Roman Iron Age coinages.

Recent news

CELTIC COIN INDEX DIGITAL (CCID) goes live! Ancient British Coinage goes online! ClaReNet – A new project on Classification and Machine Learning for Celtic coinages

Forthcoming events

Keine bevorstehenden Ereignisse

Coins Hoard of the Roman Empire (uses ontology of Nomisma but no uri link)



Currently in the database: 5,985,316 coins in 15,186 validated hoards



Roman Provincial Coinage (Paper publication and online access)

RPC Introduction Search - Volumes Map About - Donate

Roman Provincial Coinage online

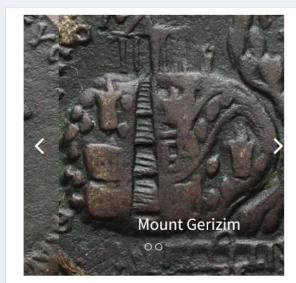
The **Roman Provincial Coinage** project embodies a new conception of Roman coinage. It presents for the first time an authoritative account of the coins minted in the provinces of the empire and shows how they can be regarded as an integral part of the coinage minted under the Roman emperors.

Q

The aim of this **major research project** is to produce a **standard typology of the provincial coinage of the Roman Empire**. This represents the first systematic treatment of the civic coinage at the height of the Roman empire. The material presented is an invaluable source of information for imperial portraiture and titulature, the response of the cities to the establishment of a new political order under the Roman empire, the way the government controlled the provinces, the internal history of the cities, and the role of the provincial coinage in the economy of the Roman empire as a whole. It will thus not only meet the needs of numismatists but will also be an essential reference book for historians, epigraphists, archaeologists and other students of the Roman empire.

The publication of *Roman Provincial Coinage volume I (44 BC-AD 69)* in 1992 marked the start of this international initiative, which **will comprise ten volumes** in all. *Roman Provincial Coinage* is published by British Museum Press and the Bibliothèque Nationale de France, and the online publication is based in the Ashmolean Museum, University of Oxford.





News

RPC volume X is online!

RPC volume X covers all Roman provincial coinage issues from the joint reign of Valerian and Gallienus through the year 12 of Diocletian (AD 253–295/6). It includes over 5,800 type descriptions and 48,000 coins from 153 cities. The geography extends ... more

RPC VII.2: printed volume published

RPC VII.2. From Gordian I to Gordian III (AD 238–244): all provinces except Asia

Jerome Mairat & Marguerite Spoerri... more

Supporting RPC online

Since its humble beginnings in 2006, the RPC Online project has grown into one of the most important research projects in numismatics. The website now includes more than 400,000 coins from 50,000 types and welcomes over 40,000 visitors annually. ROMAN PROVINCIAL COINAGE

Follow us on social media

VOLUME VII.2

... more

Coins in diachronic and archaeological projects Portal Antiquities Scheme UK (archaeology: objects and coins)



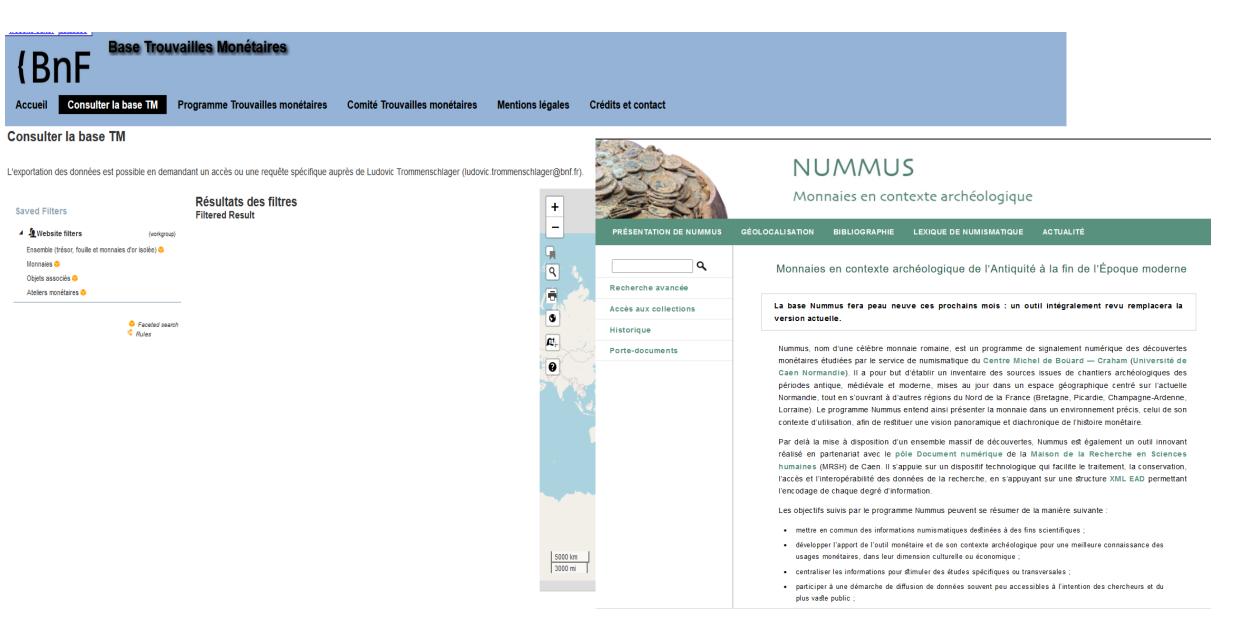


Code de bonnes pratiques Vidéo sans sous-titres



Follow

- Two projects underway in France (Nummus Université de Caen and Base Trouvailles Monétaires BnF)



National and international project in Spain

Application dedalo.dev

MONEDA IBÉRICA

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Utilisateur	
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l	Entrer
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Busqueda global

BUSCAR

?

MIB, acrónimo de moneda ibérica, es una base de conocimiento para el estudio, conservación, catalogación, archivo y difusión del patrimonio numismático antiguo de la Península Ibérica y del sur de Francia que incluye producciones monetarias de cecas griegas, púnicas, ibéricas, celtibéricas, vasconas, lusitanas y latinas. El centro del proyecto lo ocupa el catálogo formado por más de 4.000 tipos monetarios acuñados entre los siglos VI y I a.C., respaldados por un archivo documental de 100.000 monedas. Se incluyen piezas de museos, de colecciones privadas y de las subastas nacionales e internacionales de las últimas décadas. Los contenidos y las funcionalidades de esta web se actualizan y mejoran de forma progresiva.

The contributions of the websites and web portal to the discipline and beyond

All these open access websites and portals reflect a collaboration between researchers from several institutional horizons (museums, laboratories, universities) with the same will to reuse old sources (monetiform objects, archives, unpublished and published studies); with them, we can complete new studies that were impossible before, since digital tools are the only ones allowing for the management of big data or linking documents from throughout the world.

These different portals and websites changed numismatists' working methods:

 it's now possible to quickly identify coins and to cite the best references even if the articles or books are only available in specialized libraries

 It's possible to quickly gather a coin corpus including the main collections. Until a few years ago, it was necessary to spend months going to different countries to record data and take pictures

- we can work on big data

- we have efficient tools to correct mistakes made in the past
 - it's possible now to link data for thousands of coins

Coinages	Writing systems Unicode		e	Ontographs	Allographs
	Greek	U+0370	0-03FF	28	106
	Etruscan	U+10300-1032F		30	20
	Umbrian U+10300-1032F		0–1032F	21	10
- 1	Oscan	U+10300-1032F		21	29
Greek	Cypriot	U+1080	0–1083F	55	105
	Lycian	U+10280	0–1029F	29	185
	Brahmi	U+11000	0–1107F	65	8
	Kharoshti	U+1	mem:	all the	- HALAN
Iberian	Palaeohispanic	Not	16 alternate	s	
and punic	Phoenician-punic	U+1	7	1	X
Phoenician, levantine,	Phoenician	U+1	-	MEM 1	MEM 5
judean	Paleo-hebrew	U+1		4	4
et nabataean	Nabataean	U+1		1	-1
				-	

Fig.5 Tableau récapitulatif des caractères PIM

The PIM (Police des inscriptions monétaires) project

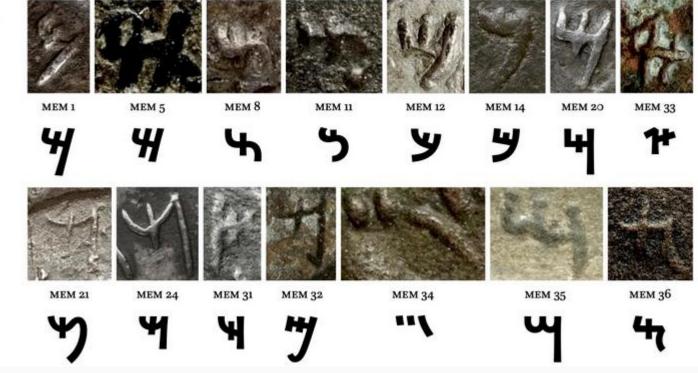


Fig.15 Variantes phéniciennes de la lettre mem

The open science studies done in numismatics are also a methodological model for others archaeological and historical fields that wish to make their own data freely accessible. For example, "Pondera online » about ancient weights.



Browse

The main obstacles to this type of project

- Access to material (authorization to study or publish coins)
- Access to funding (computer specialist, online, update)
- Work habits (unpublished studies, project abandoned)

- Lack of legislation (in France, Open Science policy is encouraged by the Law. In archaeology, there are administrative reports but few publications)

Thanks for listening !



We wish this digital age another twenty years.

