



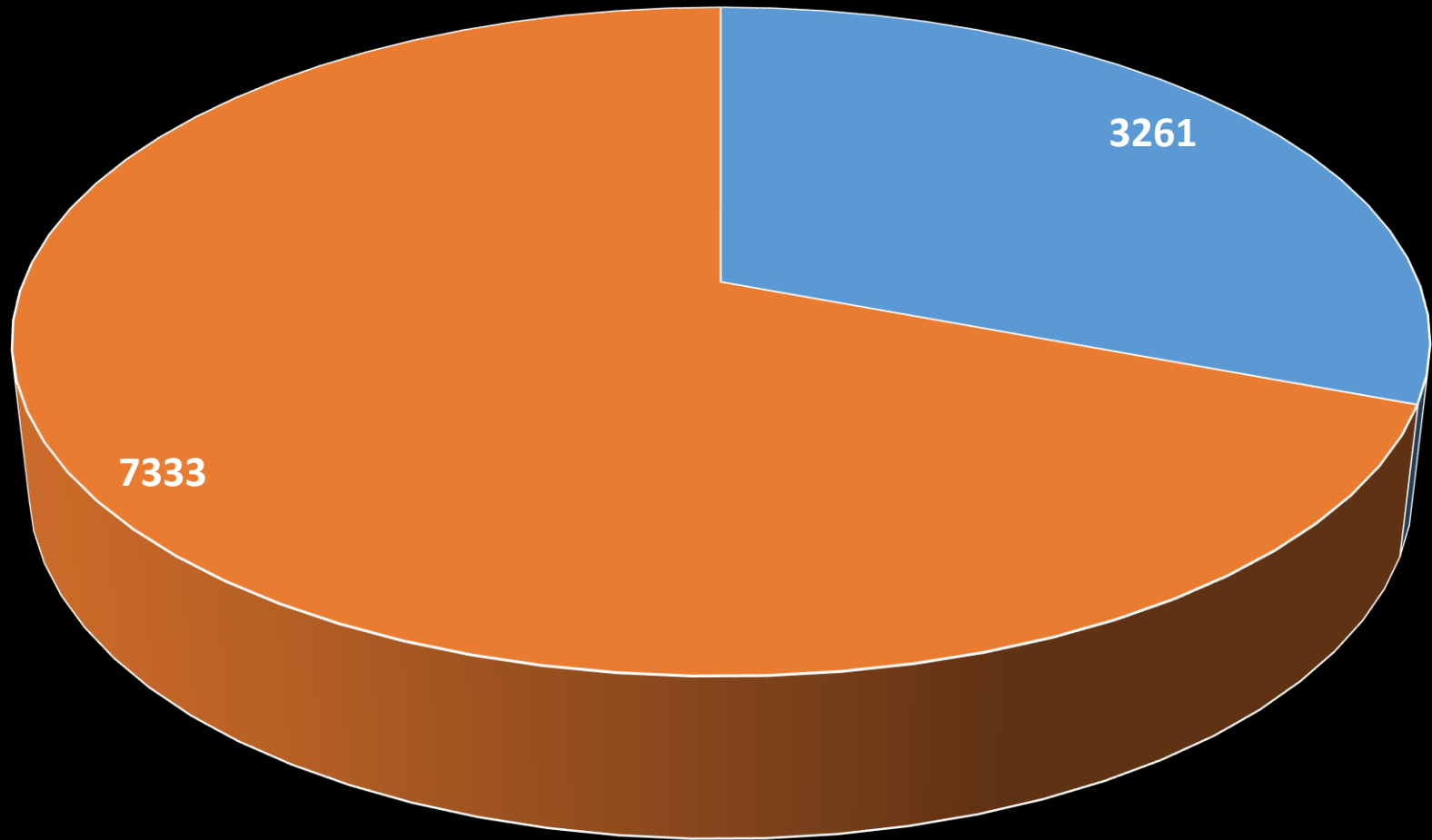
Recent developments and future challenges in studying ancient and Byzantine weights

Lysiane DELANAYE (UCLouvain)

Charles DOYEN (F.R.S.–FNRS / UCLouvain)

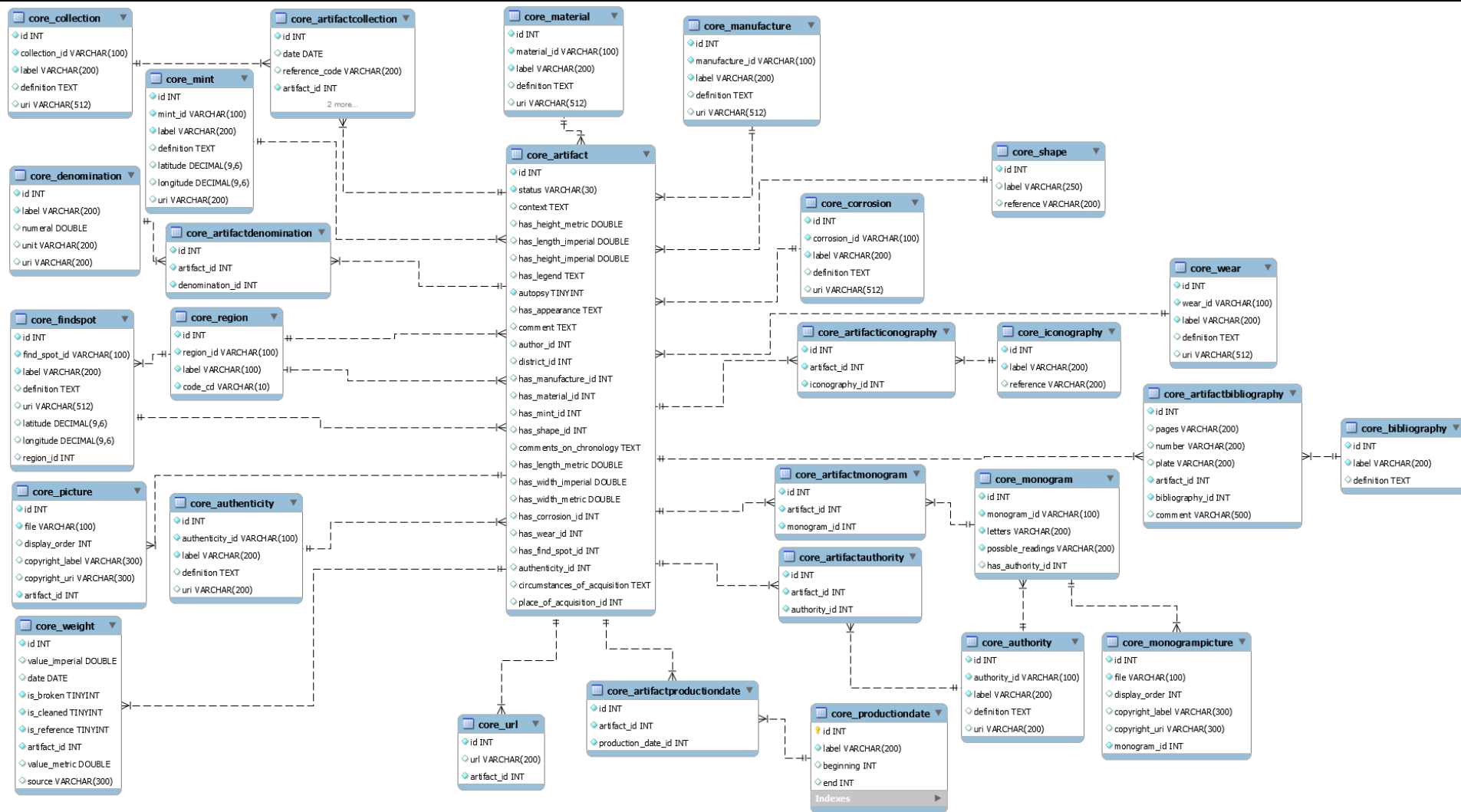
7th Joint Meeting of Nomisma.org and ECFN 2018
Valencia, May 3–5, 2018

Pondera Online Database



■ Ancient weights

■ Late Roman and Byzantine weights



Pondera Online Standards



Mint	[69 items]
Authority	[22 items]
Material	[10 items]
Manufacture	[4 items]
Corrosion	[5 items]
Wear	[5 items]
Denomination	[218 items]
Collection	[500 items]



Region	[1021 items]
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PLEIADES

Spot	[805 items]
------	-------------

Select region to change



IMPORT

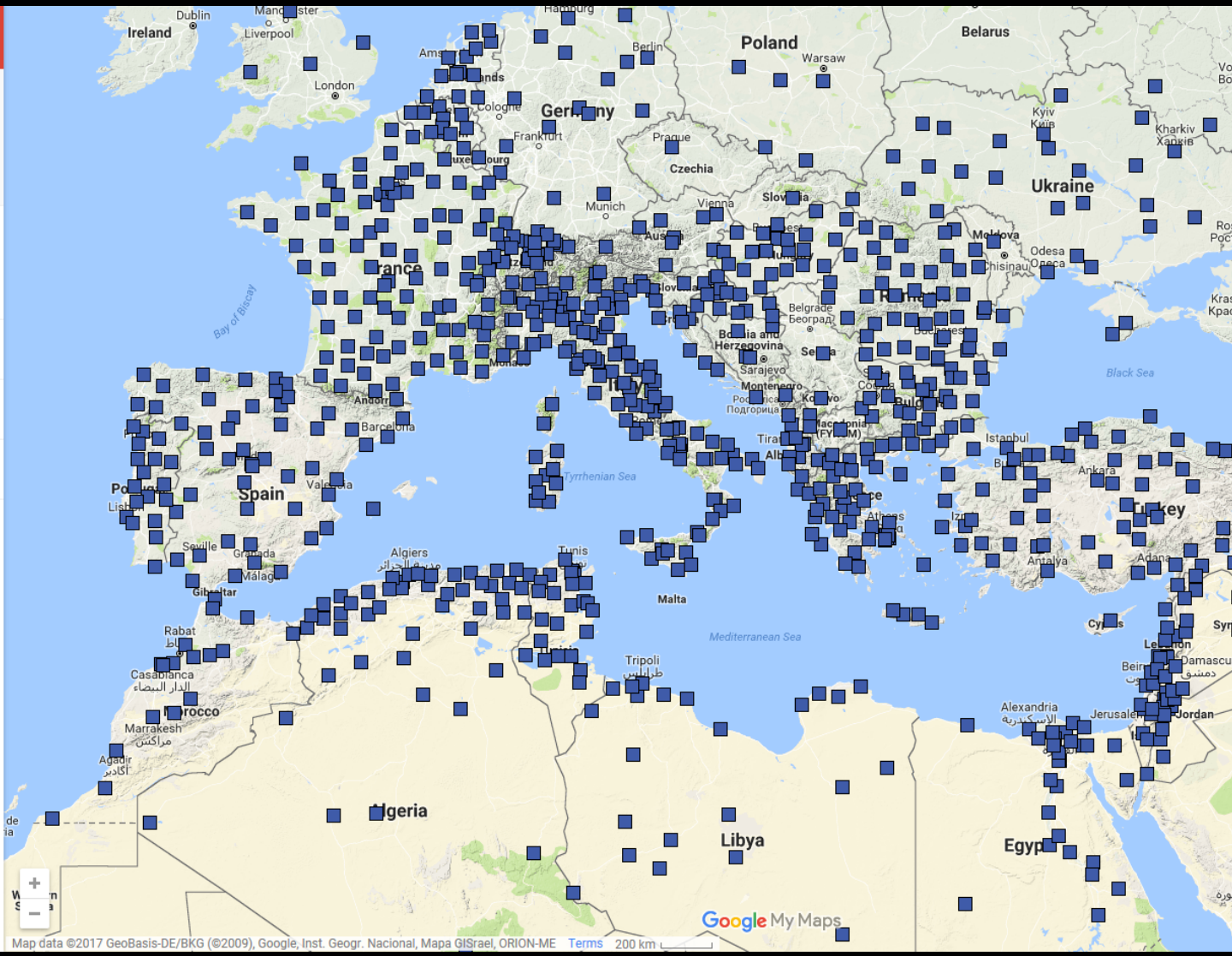
EXPORT

Action: 0 of 100 selected

☐	CODE CD	LABEL
☐	AL	Albania
☐	AL01	Albania: Berat
☐	AL09	Albania: Dibër
☐	AL02	Albania: Durrës
☐	AL03	Albania: Elbasan
☐	AL04	Albania: Fier
☐	AL05	Albania: Gjirokastrë
☐	AL06	Albania: Korçë
☐	AL07	Albania: Kukës
☐	AL08	Albania: Lezhë
☐	AL10	Albania: Shkodër
☐	AL11	Albania: Tiranë

▼ Regions (blue), spots (yellow), mints (orange) and museums (purple) used in the DB Pondera Online
56 views
[SHARE](#) [EDIT](#)

- ☒ Regions
- ▼ ☒ All items
- ☐ Spots
- ☐ Mints
- ☐ Collections



Made with Google My Maps

Select **Spot** to change

PLEIADES

[IMPORT](#) [EXPORT](#) [ADD SPOT](#) [+](#)

Action: ----- [Go](#) 0 of 100 selected

☐	FIND SPOT ID	LABEL	LATITUDE	LONGITUDE	REGION	URI
☐	abrit_zaldapa	Abrit [Zaldapa]	43.887651	27.808726	Bulgaria: Dobrich	https://pleiades.stoa.org/places/216687
☐	abydos	Abydos	40.195115	26.409131	Turkey: Çanakkale	https://pleiades.stoa.org/places/501325
☐	acharnes	Acharnes	38.083333	23.733333	Greece: Attica	https://pleiades.stoa.org/places/579842
☐	panopolis	Achmim [Panopolis / Schmin]	26.564888	31.745175	Egypt: Sohag	https://pleiades.stoa.org/places/756613
☐	tropaeum_traiani	Adamclisi [Tropaeum Traiani]	44.087735	27.948017	Romania : Constanța	https://pleiades.stoa.org/places/217027
☐	antiochia_ad_sarum	Adana / Antiochia ad Sarum	36.986559	35.338677	Turkey: Osmaniye	https://pleiades.stoa.org/places/648548
☐	adiyaman	Adiyaman	37.763889	38.277778	Turkey: Adiyaman	-
☐	adouli	Adulis [Adouli]	15.261661	39.659130	Eritrea: Northern Red Sea	https://pleiades.stoa.org/places/39271
☐	aigina	Aegina [Aigina]	37.750075	23.428501	Greece: Piraeus	https://pleiades.stoa.org/places/579853
☐	aegosthena	Aegosthena	38.149760	23.229480	Greece: Attica	https://pleiades.stoa.org/places/570051
☐	afyonkarahisar	Afyonkarahisar [Akroenos / Akroinos]	38.758919	30.545979	Turkey: Afyonkarahisar	https://pleiades.stoa.org/places/609295
☐	aigeira	Aigeira	38.129792	22.377887	Greece: Achaia	https://pleiades.stoa.org/places/570043
☐	aigion	Aigion	38.252707	22.081952	Greece: Achaia	https://pleiades.stoa.org/places/570049
☐	akra	Akra	42.450000	27.650000	Bulgaria: Burgas	-
☐	alabanda	Alabanda / Antiocheia Chrysaoron	37.595578	27.975716	Turkey: Aydın	https://pleiades.stoa.org/places/599479
☐	androna	al Andarin [Androna / Andarna]	35.553824	37.370533	Syria: Ḥalab	https://pleiades.stoa.org/places/668189
☐	albingaunum	Albenga [Album Ingaunum / Albingaunum]	44.048400	8.214930	Italy: Liguria: Savona	https://pleiades.stoa.org/places/157803
☐	pollentia	Alcúdia [Pollentia]	39.877769	3.017230	Spain: Balears	https://pleiades.stoa.org/places/266004
☐	aleppo	Aleppo [Beroia]	36.199335	37.156825	Syria: Ḥalab	https://pleiades.stoa.org/places/658409
☐	alexandria	Alexandria	31.198246	29.907915	Egypt: Alexandria	https://pleiades.stoa.org/places/727070
☐	krokodilopolis	Al Fayyūm [Krokodilopolis / Ptolemais Euergetis]	29.314964	30.839956	Egypt: Faiyum	https://pleiades.stoa.org/places/736948



Pondera Online: Region...



- Regions (blue), spots (yellow), mints (orange) and museums (purple) used in the DB Pondera Online
56 views

[SHARE](#) [EDIT](#)



Regions



Spots



All items



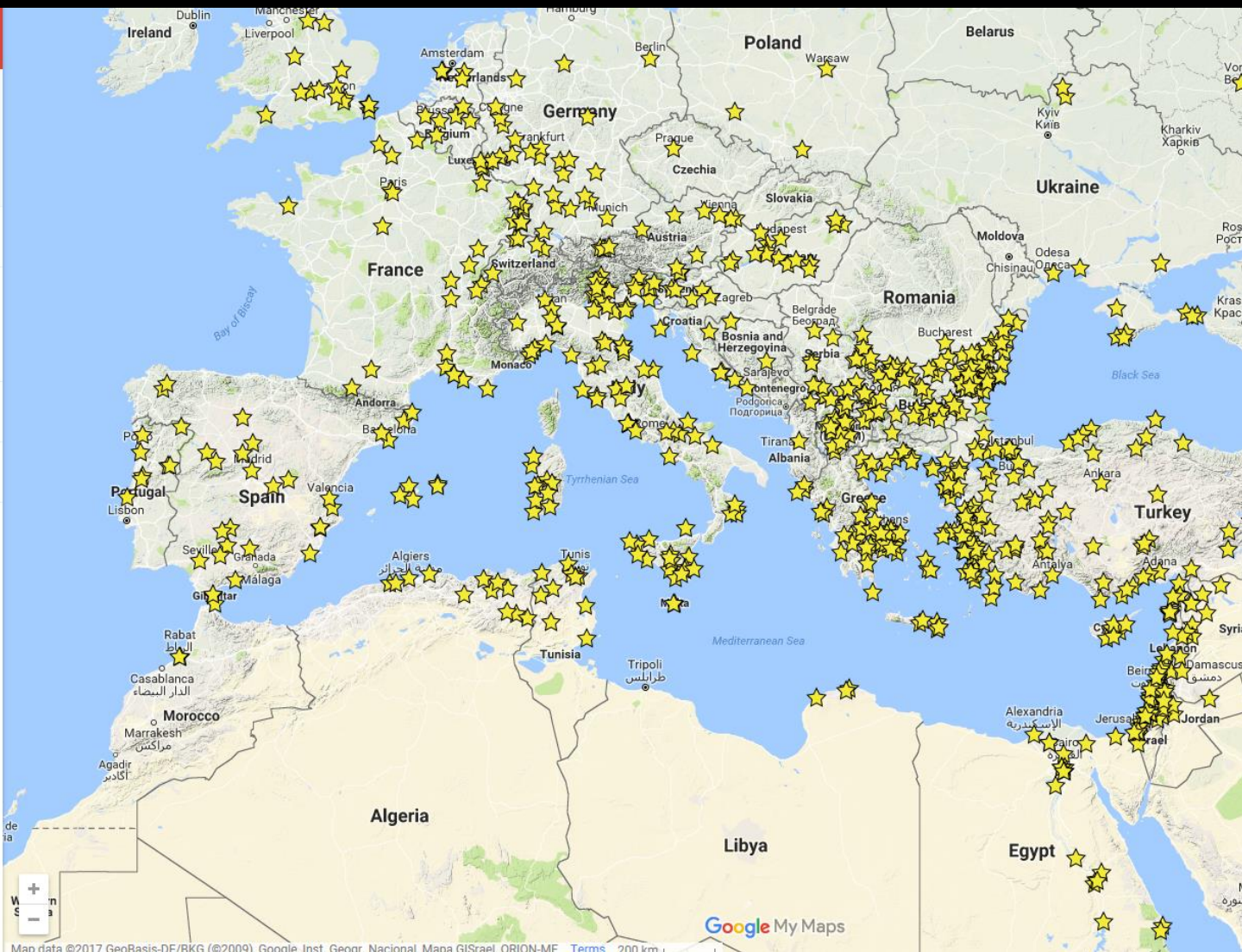
Mints



Collections



Made with Google My Maps



Google My Maps

Map data ©2017 GeoBasis-DE/RKG (©2009) Google, Inst. Geogr. National, Mapa GISrael, ORION-ME, Terms, 200 km

▼ Regions (blue), spots (yellow), mints (orange) and museums (purple) used in the DB Pondera Online
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☐ Regions

☐ Spots

☒ Mints

▼ 🏠 All items

☐ Collections



Made with Google My Maps

Map data ©2017 GeoBasis-DE/BKG (©2009), Google, Inst. Geogr. Nacional, Mapa GISrael, ORION-ME [Terms](#) 200 km



Pondera Online: Region...



- Regions (blue), spots (yellow), mints (orange) and museums (purple) used in the DB Pondera Online

56 views

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Regions



Spots



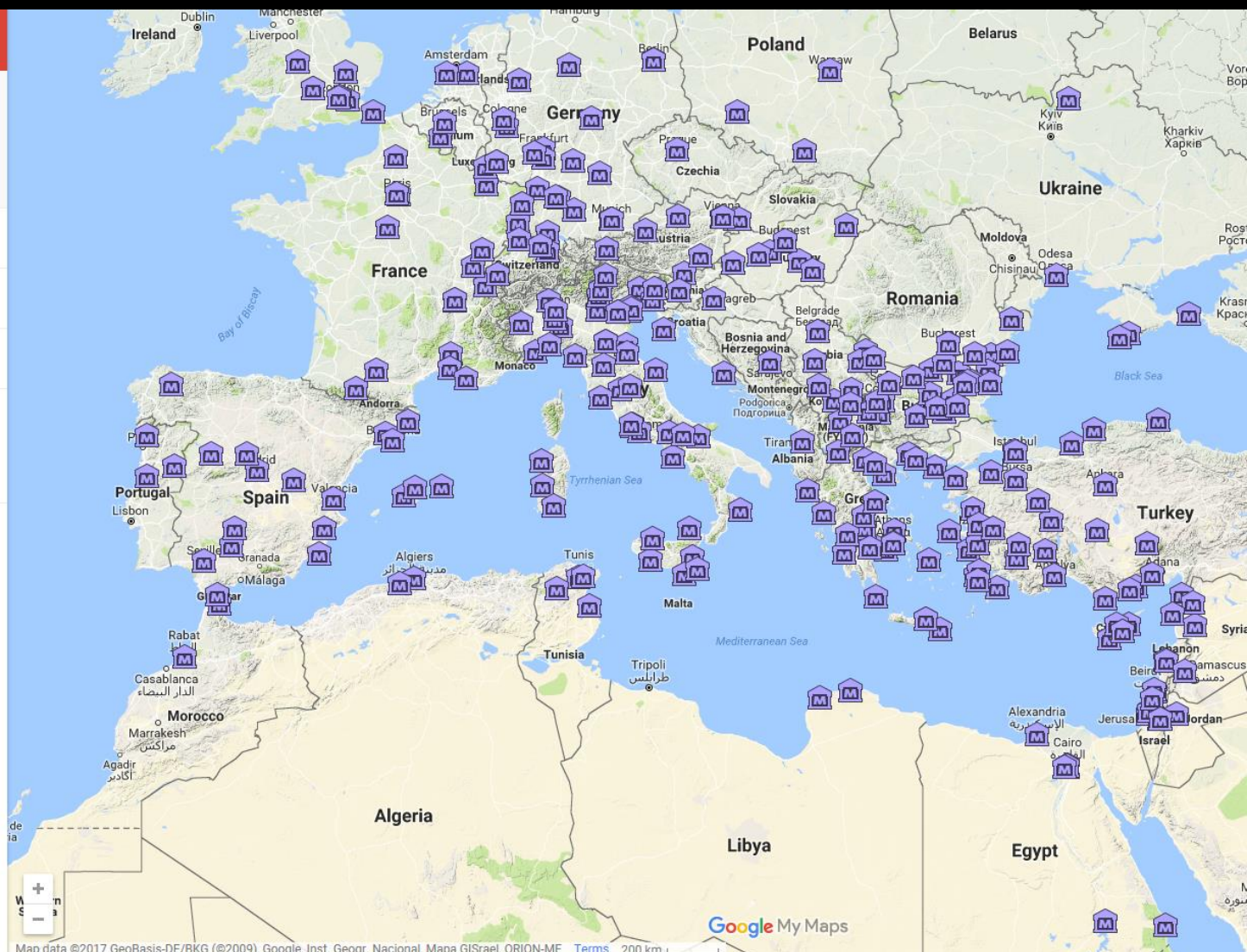
Mints



Collections



All items



Made with Google My Maps

Map data ©2017 GeoBasis-DE/BKG (©2009), Google, Inst. Geogr. Nacional, Mapa GISrael, ORION-ME [Terms](#) 200 km

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☐ Regions

☒ Spots

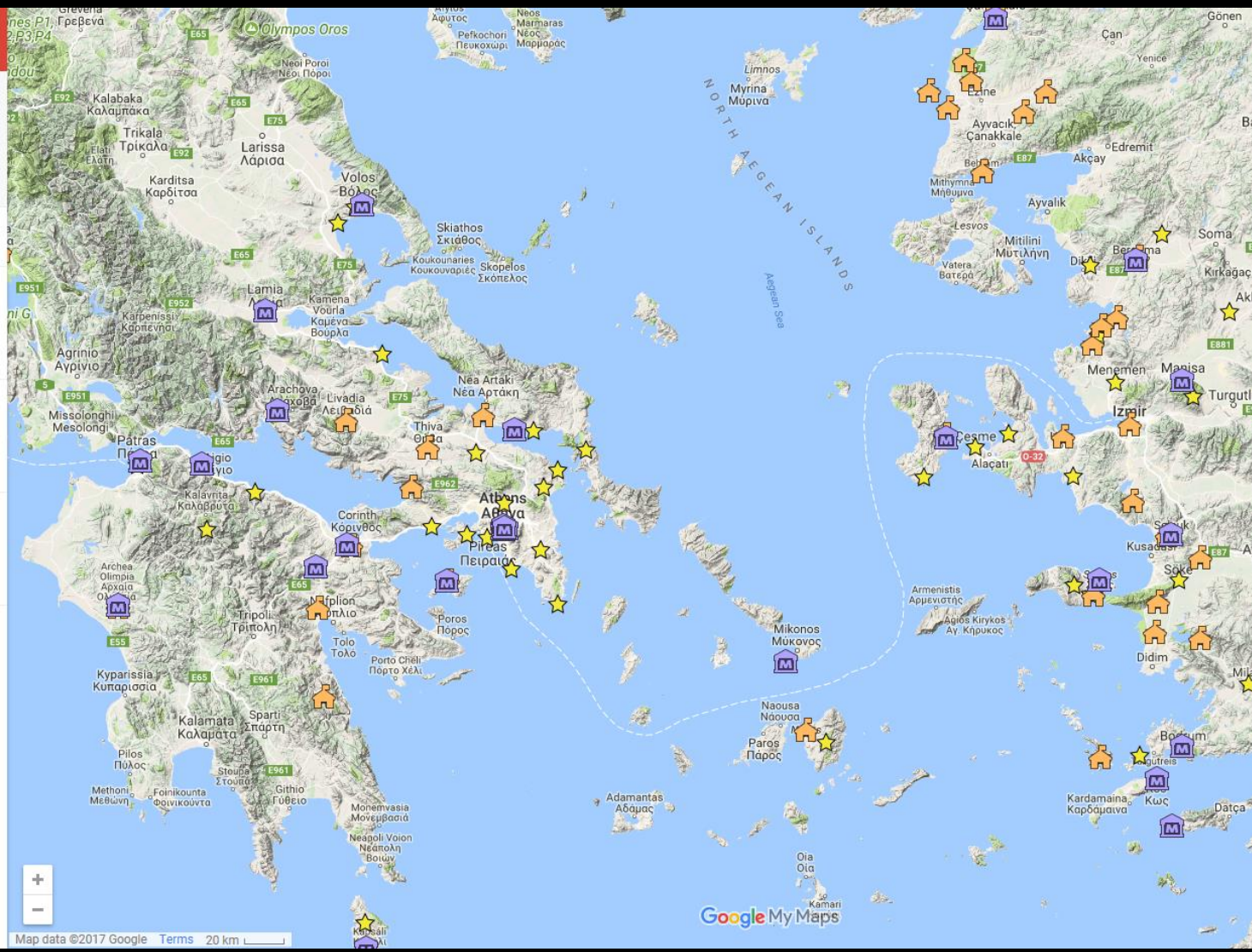
▼  All items

☒ Mints

▼  All items

☒ Collections

▼  All items



Made with Google My Maps

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--------	--------------



Spot	[805 items]
------	-------------



Shape	[70 items]
Iconography	[140 items]
Bibliography	[1513 items]

Iconography



Amphora



Half-amphora



Quarter of an amphora



Ship



Tortoise



Half-tortoise



Plant



Emperors

Select iconography to change

ADD ICONOGRAPHY +

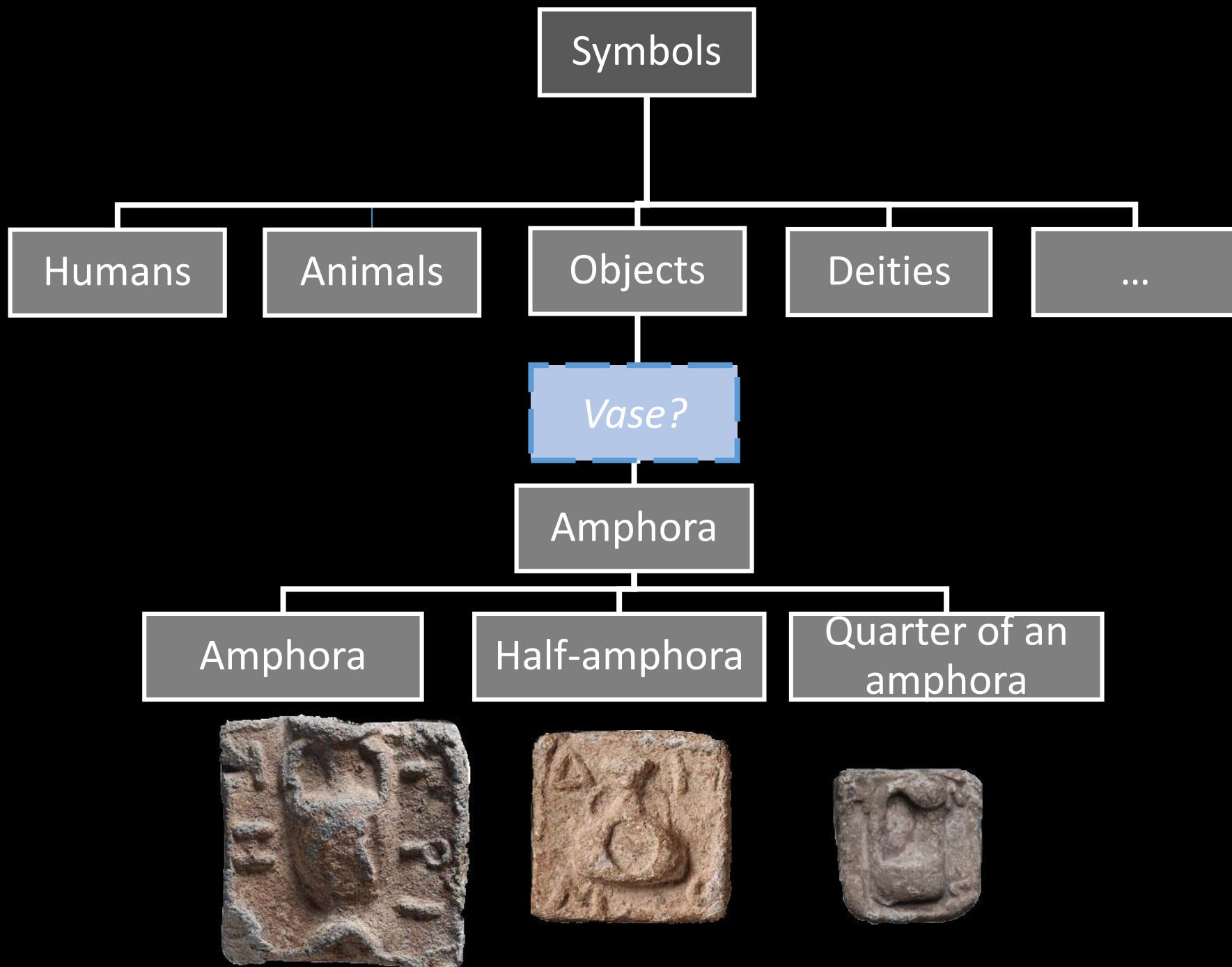
Action: Go 0 of 61 selected

☐ LABEL	REFERENCE
☐ Astragalus	Animals:Astragalus
☐ Bull's head	Animals:Bull
☐ Half-dolphin	Animals:Dolphin
☐ Dolphin	Animals:Dolphin
☐ Eagle	Animals:Eagle
☐ Eagle holding a snake	Animals:Eagle
☐ Elephant	Animals:Elephant
☐ Lion's head	Animals:Lion
☐ Lion	Animals:Lion
☐ Owl	Animals:Owl
☐ Pig	Animals:Pig
☐ Ram's head	Animals:Ram
☐ Female Sphynx	Animals:Sphynx
☐ Half-tortoise	Animals:Tortoise
☐ Tortoise	Animals:Tortoise
☐ Sea turtle	Animals:Turtle
☐ Zebu	Animals:Zebu
☐ Head of Athena	Deities:Athena
☐ Bearded herm	Deities:bearded_Hermes
☐ Draped bearded figure	Deities:bearded_man

FILTER

By reference

- All
- Animals:Astragalus
 - Animals:Bull
 - Animals:Dolphin
 - Animals:Eagle
 - Animals:Elephant
 - Animals:Lion
 - Animals:Owl
 - Animals:Pig
 - Animals:Ram
 - Animals:Sphynx
 - Animals:Tortoise
 - Animals:Turtle
 - Animals:Zebu
 - Deities:Athena
 - Deities:bearded_Hermes
 - Deities:bearded_man
 - Deities:Europa
 - Deities:Heracles
 - Deities:Heracles_Ioalus
 - Deities:sleeping_eros
 - DivineAttributes:Caduceus
 - DivineAttributes:Club
 - DivineAttributes:Tripod
 - DivineAttributes:Cornucopia
 - DivineAttributes:Thunderbolt
 - DivineAttributes:Thyrsos
 - Geometric:Rosette
 - Geometric:Spirals
 - Human:Helmeted Head



Details scrutiny



- Emperors
 - One or two emperors?
 - Bust
 - Standing? Sitting?
 - Identified emperor(s)
- Crown
 - Leaves
 - Chevron-patterned
 - Braided
 - Lines
 - Crosses
 - ...



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