Economic History of the Ancient World illustrated by the example of Roman Amphorae IV

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October 3, 2016

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MATERIALE TEXTKULTUREN
SFB 933

UNIVERSITÄT HEIDELBERG
ZUKUNFT SEIT 1386

Economic History of the Ancient World illustrated by the example of Roman Amphorae

1. A brief introduction to the economic history of the ancient world
   Development of research activities and ancient sources: contributions from the Ancient History and from the Archaeology

   Why amphorae as an example of an economic history of the ancient world?
   Other containers used for transport and shipping

2. What information do amphorae give?
   Residues of content, painted inscriptions, types, fabrics, geochemistry

3. Case study I: transport in the western Mediterranean by the example of Mainz and its surrounding areas

   What happens to the empty amphorae? Reuse and waste disposal by the example of Dangstetten, the first Roman military camp north of the Alps

4. Case study II: transport in the Eastern Alps region by the example of the southern and inner alpine regions of the later province of Noricum

   Considerations concerning ancient global economy and economic regions

5. Painted inscriptions from an excavation in Roman Cologne: the largest ensemble north of the Alps

   Considerations concerning the function of the painted inscriptions on Roman amphorae.

Amphorae in the Eastern Alpine Area: studied sites
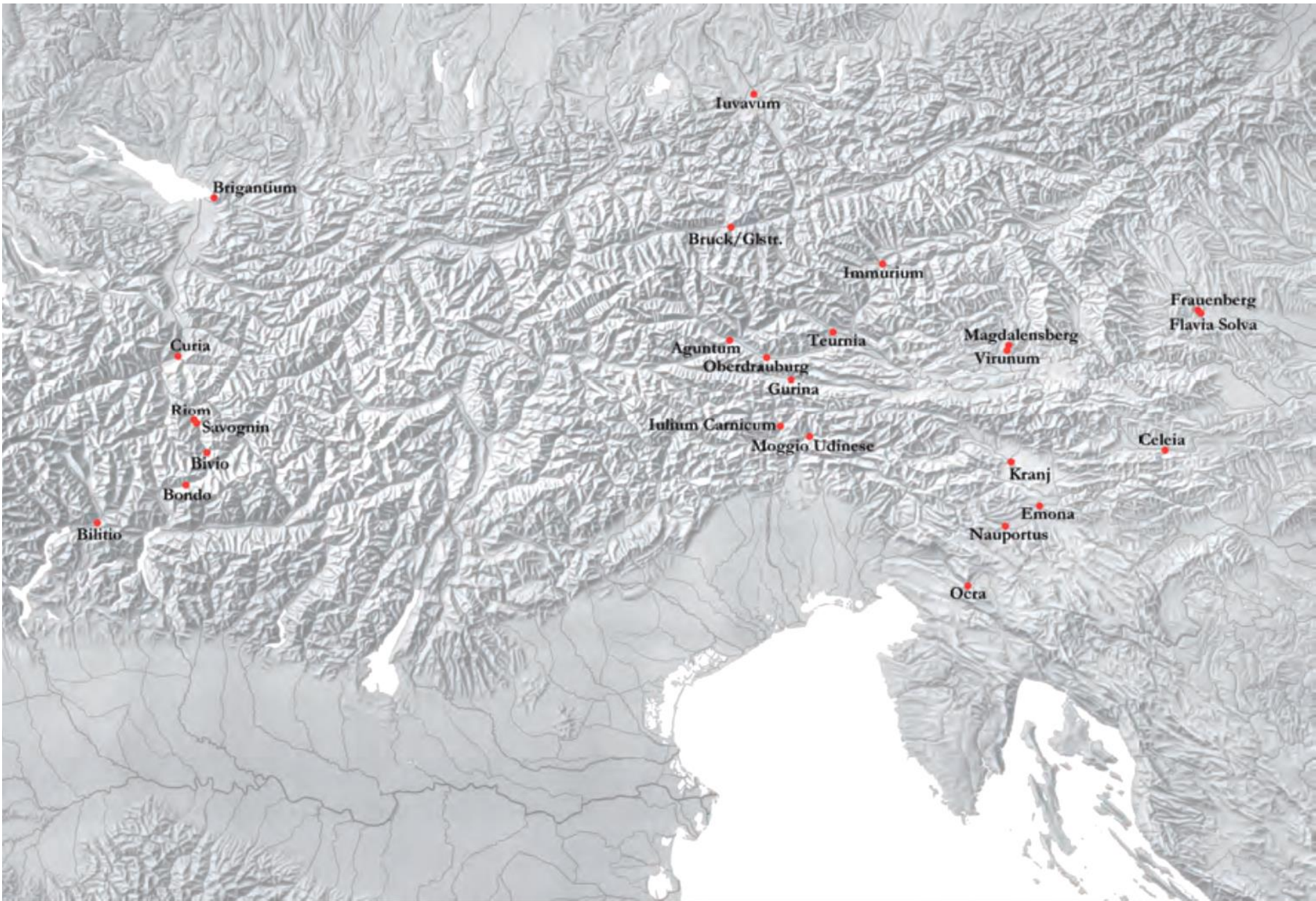
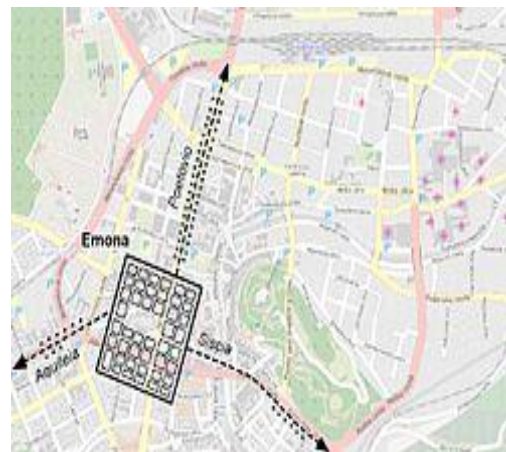# Amphorae in the Eastern Alpine Area: some studied sites

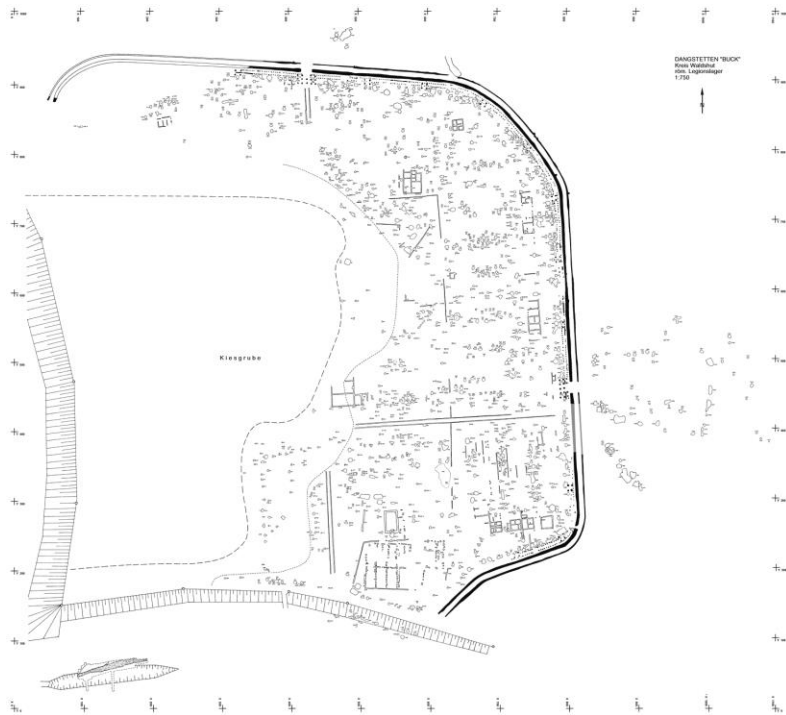**Magdalensberg**

Aguntum
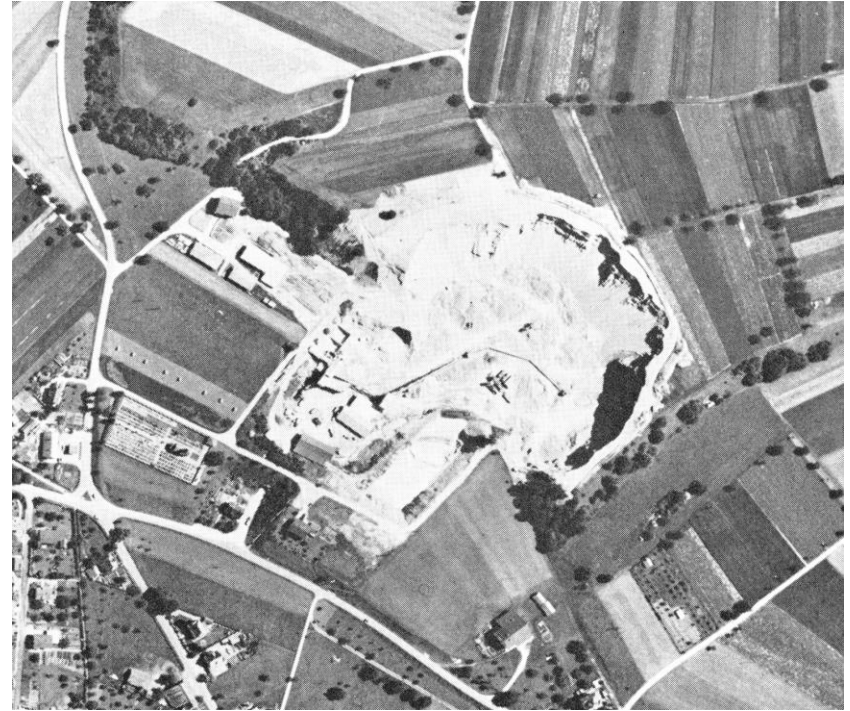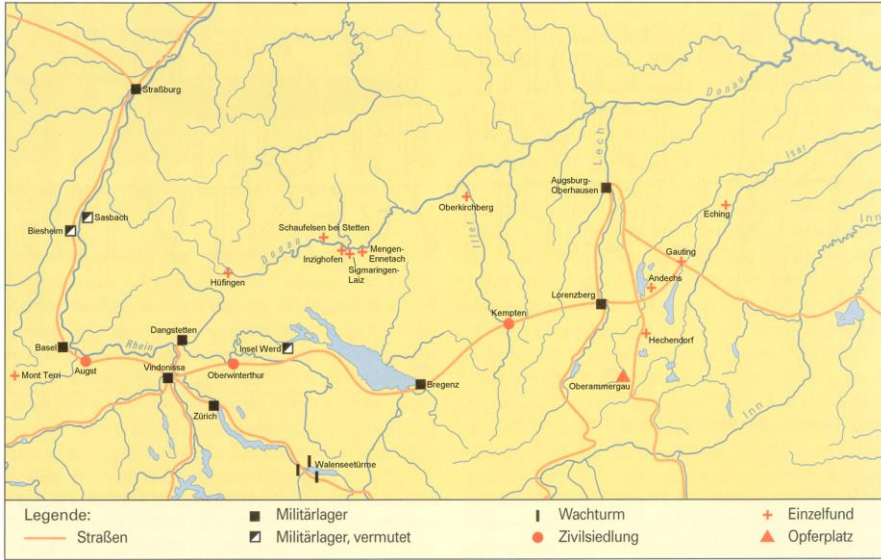

Iulium Carnicum
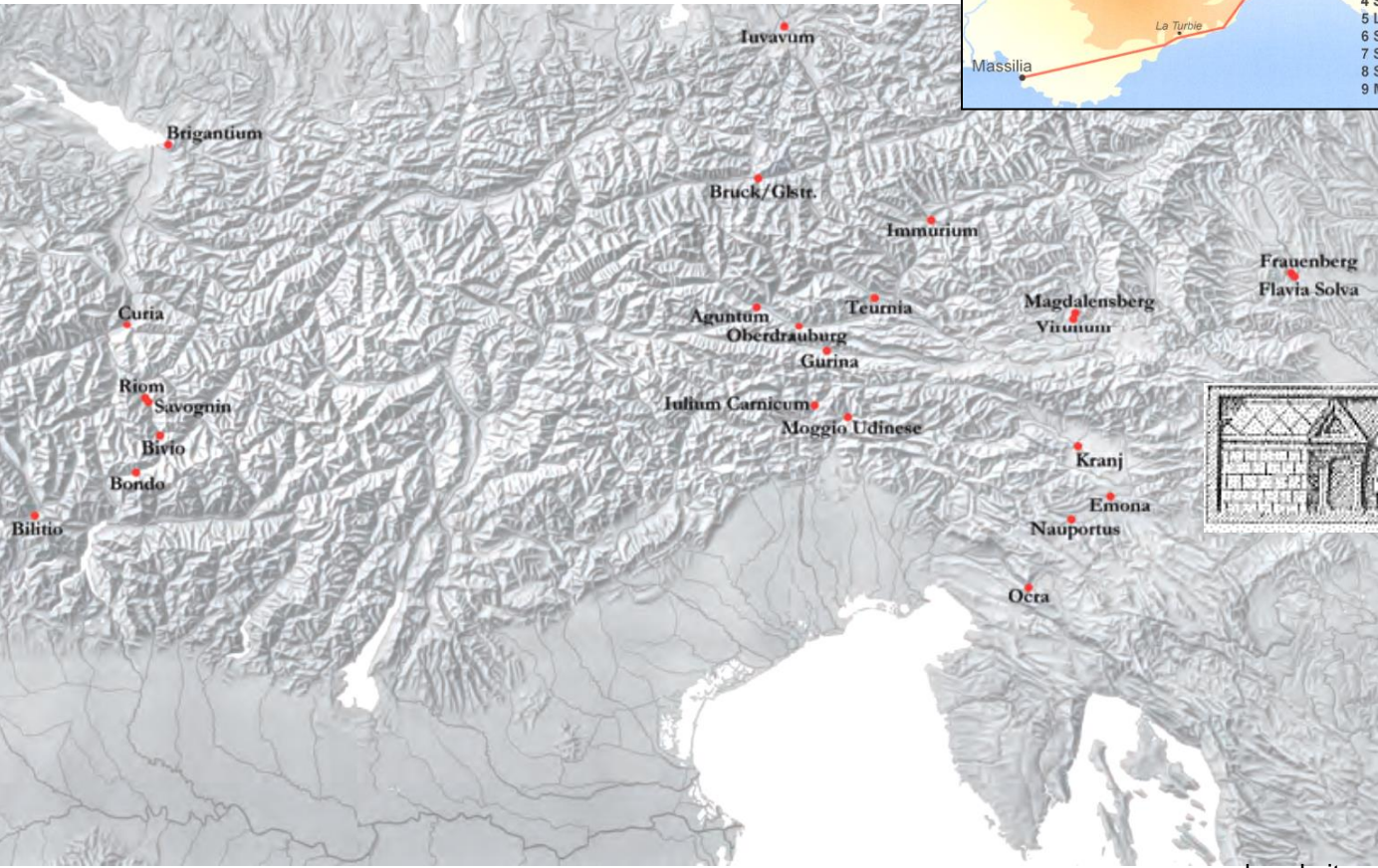

Gurina

Teurnia

Emona

The Roman military camp of Dangstetten ~ 15-8/7 BC

Amphorae in the Eastern Alpine Area (first imports of mediterranean products)

Importent mountain passes

1 Col du Mont Cenis
2 Kleiner St. Bernhardpass
3 Großer St. Bernhardpass
4 Simplonpass
5 Lukmanierpass
6 San Bernardinopass
7 Splügenpass
8 Septimerpass
9 Malojapass
10 Julierpass
11 Reschenpass
12 Fernpass
13 Brennerpass
14 Seefelder Sattel
15 Plöckenpass
16 Gailberg
17 Hochtor
18 Korntauern
19 Lausnitzhöhe
20 Radstätter Tauern
21 Neumarkter Sattel
22 Triebener Tauern
23 Michlhallberg
24 Hohentauern
25 Pyhrnpass

Igeler column

analyzed sites

Alpine campaigns under Augustus

Legend:
- Römisches Gebiet
- Zielgebiet der Militäroperationen
- Marschrichtung der Gallien-Armee (Tiberius)
- Marschrichtung der Italien-Armee (Drusus)
- Römische Straßen

0   50 km

Labels on map:
- Neckar
- Altmühl
- Donau
- Isar
- Inn
- Iller
- Lech
- AUG. VINDELICUM / Augsburg
- Chiemsee
- Salzach
- IUVAVUM / Salzburg
- Rhein
- Dangstetten
- CAMBODUNUM / Kempten
- Oberammergau-Döttenbichl
- C. AUGUSTA RAURICA / Augst
- Bodensee
- BRIGANTIUM / Bregenz
- VELDIDENA / Innsbruck-Wilten
- Walenseetürme
- Brenner
- CURIA / Chur
- Reschenpass
- Crap Ses
- Julierpass
- Genfer See
- Septimerpass
- SUMMUS LACUS / Samolaco
- OCTODURUS / Martigny
- Gr. St. Bernhard
- AUG. PRAETORIA / Aosta
- Kl. St. Bernhard
- Garda-See

Professional traders across the Alps: clothing merchant in Fara Novarese
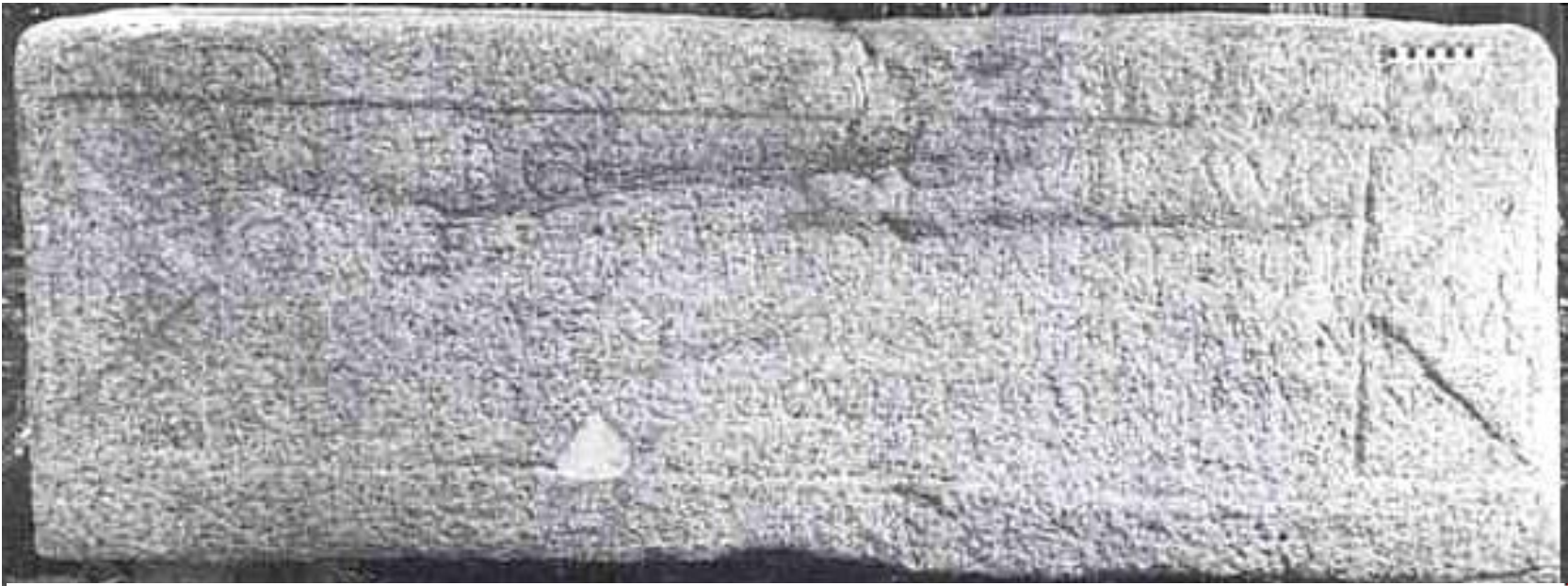
D(is) M(anibus) / L(uci) Luperci Excessi(?) VIvir(i) Aug(ustalis) / civit(ate) Helvetiorum negoti/atoris vestiar(ii) Cisalpini et Trans/alpini qui leg(avit) colleg(iatis) i(n) m(unicipio) N(ovariensium) HS X[-] n(ummum)

(Fara Novarese: about 60km west of Milan)
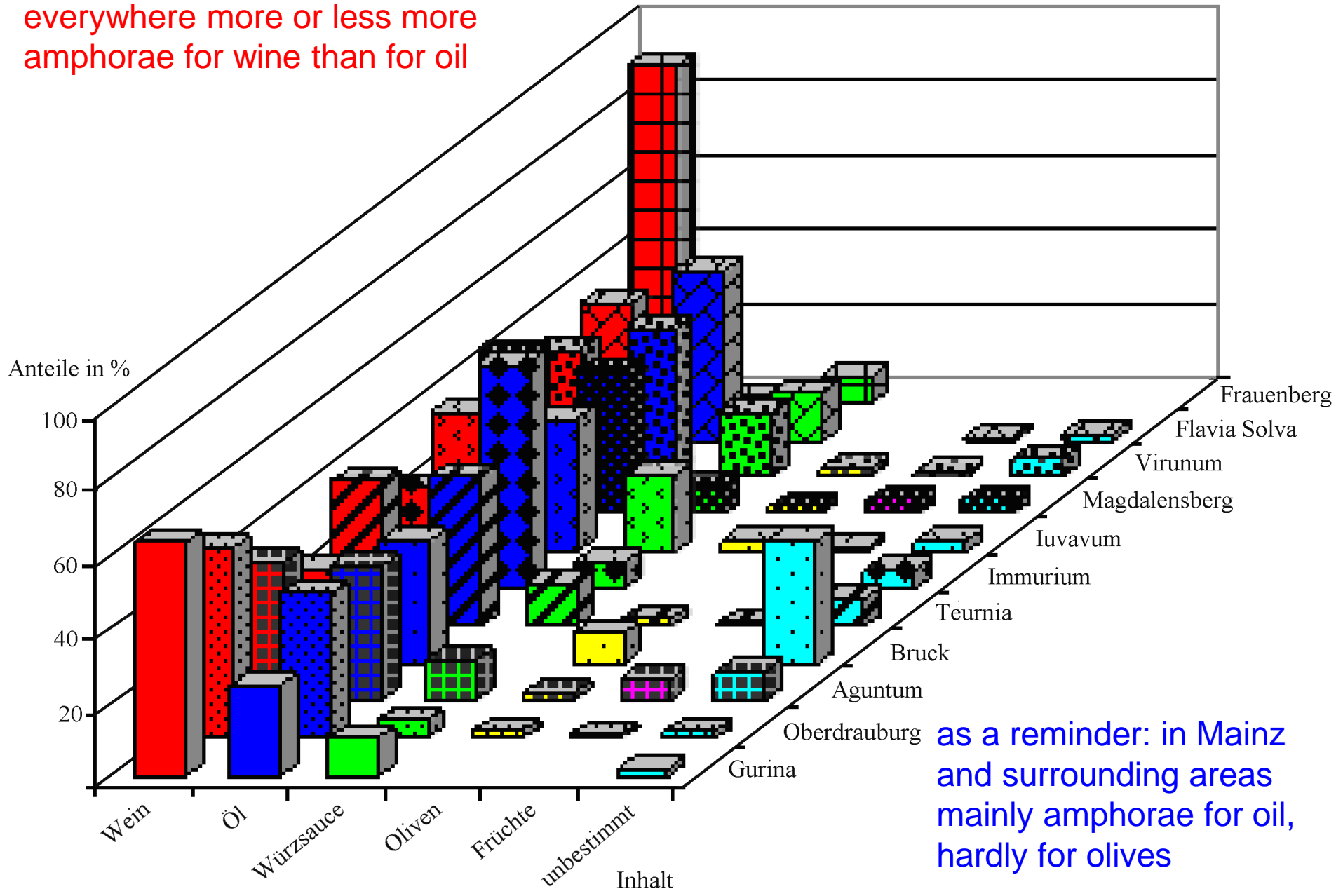
Amphorae in the Eastern Alpine Area

everywhere mainly amphorae from the Adriatic Sea and the eastern Mediterranean

as a reminder: in Mainz and surrounding areas mainly amphorae from Spain and southern Gaul

Anteile in %

100
80
60
40
20

Frauenberg
Flavia Solva
Virunum
Magdalensberg
Iuvavum
Immurium
Teurnia
Bruck
Aguntum
Oberdrauburg
Gurina

Adriaraum
östl. Mittelmeer
iber. Halbinsel
Afrika
Gallien
westl. Italien
unbestimmt

Herkunft

Amphorae in the Eastern Alpine Area

everywhere more or less more
amphorae for wine than for oil

Anteile in %

100

80

60

40

20

Frauenberg
Flavia Solva
Virunum
Magdalensberg
Iuvavum
Immurium
Teurnia
Bruck
Aguntum
Oberdrauburg
Gurina

Wein   Öl   Würzsauce   Oliven   Früchte   unbestimmt

Inhalt

as a reminder: in Mainz
and surrounding areas
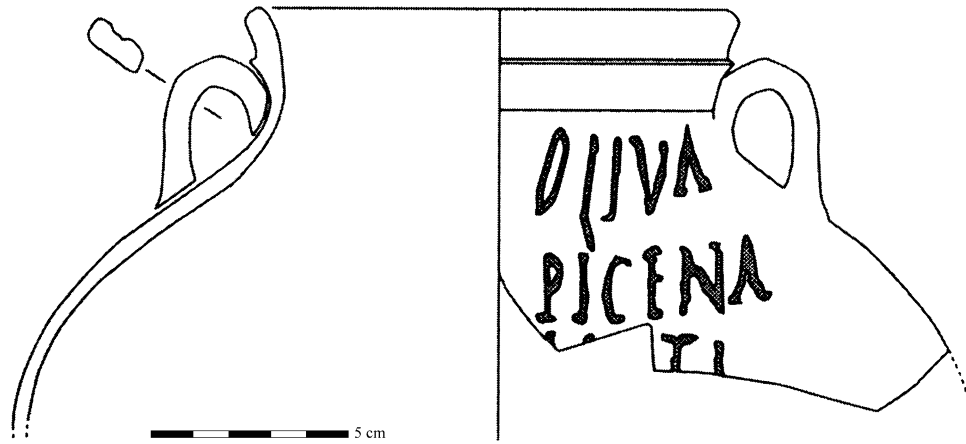mainly amphorae for oil,
hardly for olives

Olives in the Eastern Alpine Area: imports from the Picenum in pots?
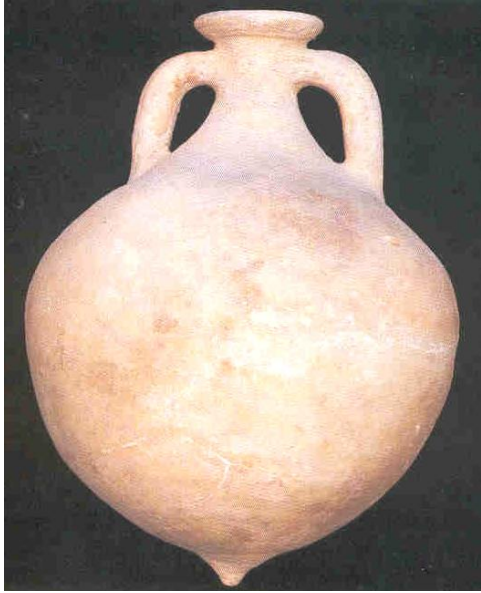

Magdalensberg

Aguntum

OLIVA
PICENA

Bliesbruck (F)

5 cm

Typical amphorae for olive oil and wine on the Rhine and in the Eastern Alpine Area

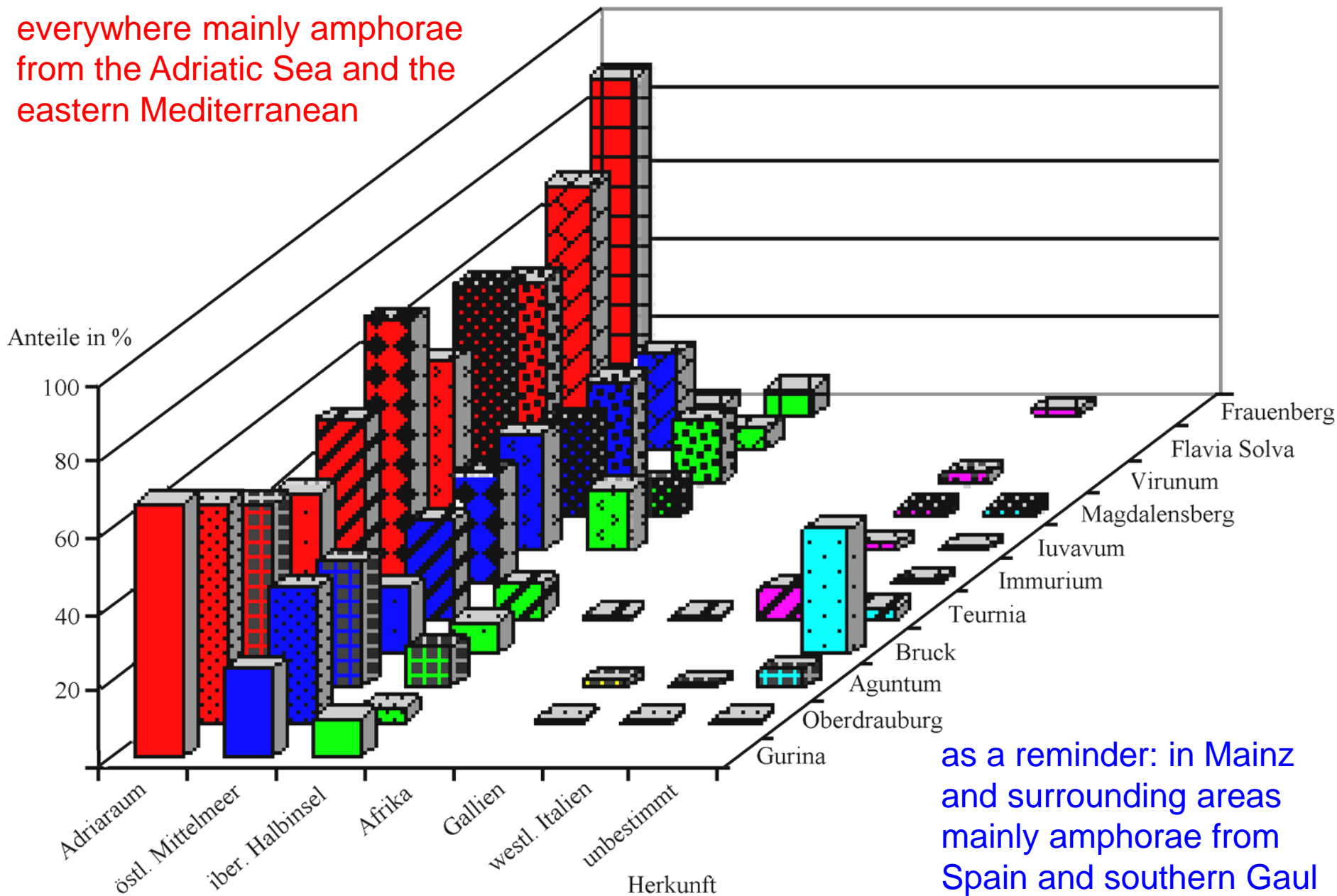baetican amphorae for olive oil

adriatic amphorae for olive oil

gaulish amphorae for wine
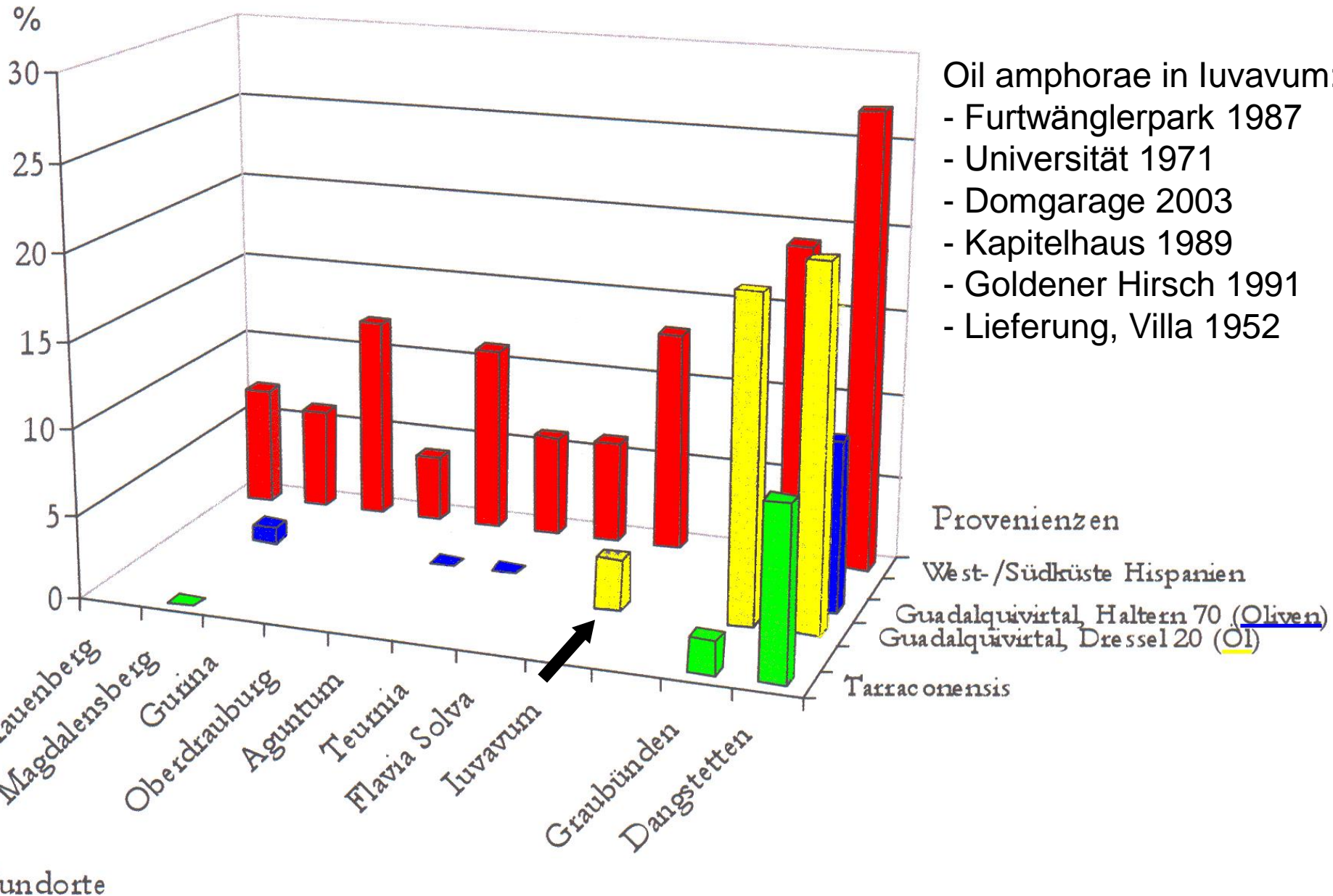

adriatic amphorae for wine

Amphorae in the Eastern Alpine Area

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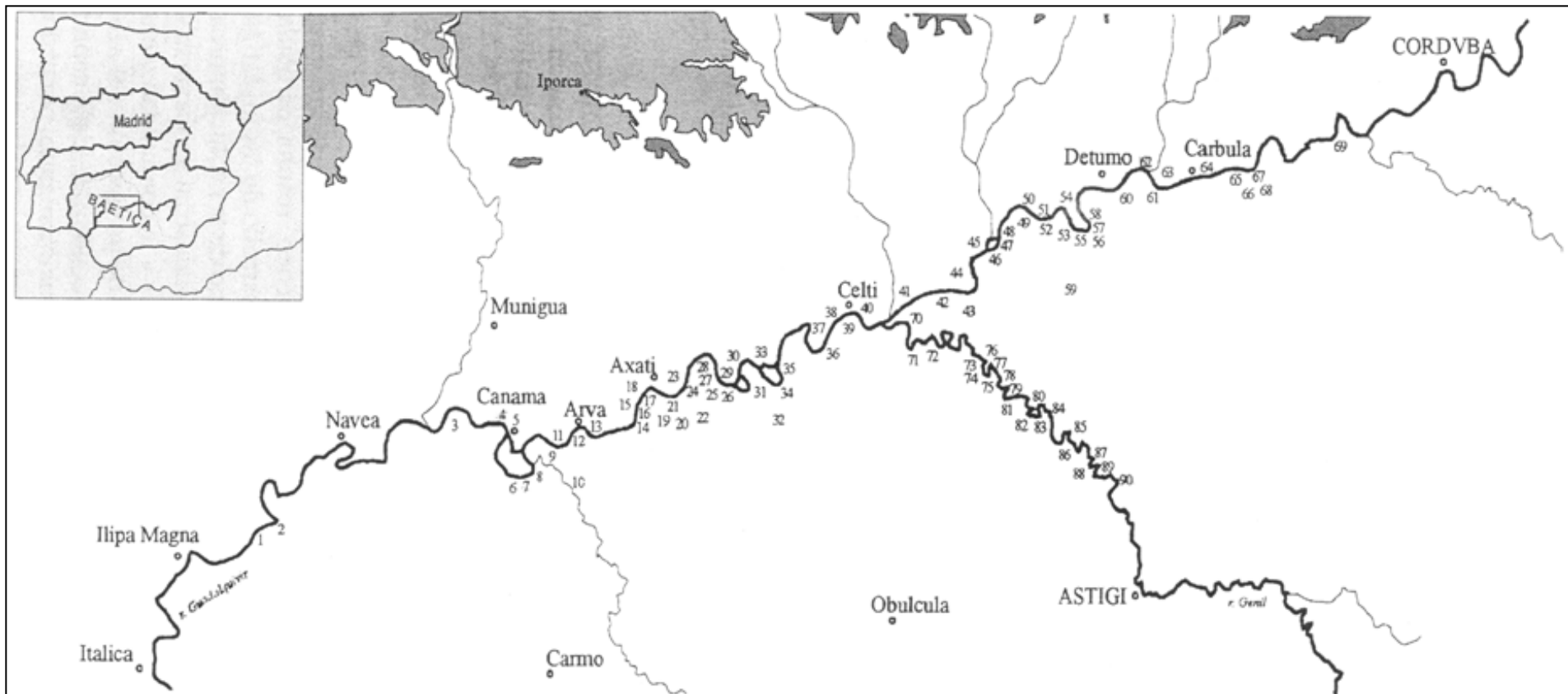
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Gurina

Iberian products in the Eastern Alpine Area: selective product choice and a matter of location

Oil amphorae in Iuvavum:
- Furtwänglerpark 1987
- Universität 1971
- Domgarage 2003
- Kapitelhaus 1989
- Goldener Hirsch 1991
- Lieferung, Villa 1952

Baetican Guadalquivir Valley: 100 potteries for oil and olive amphorae
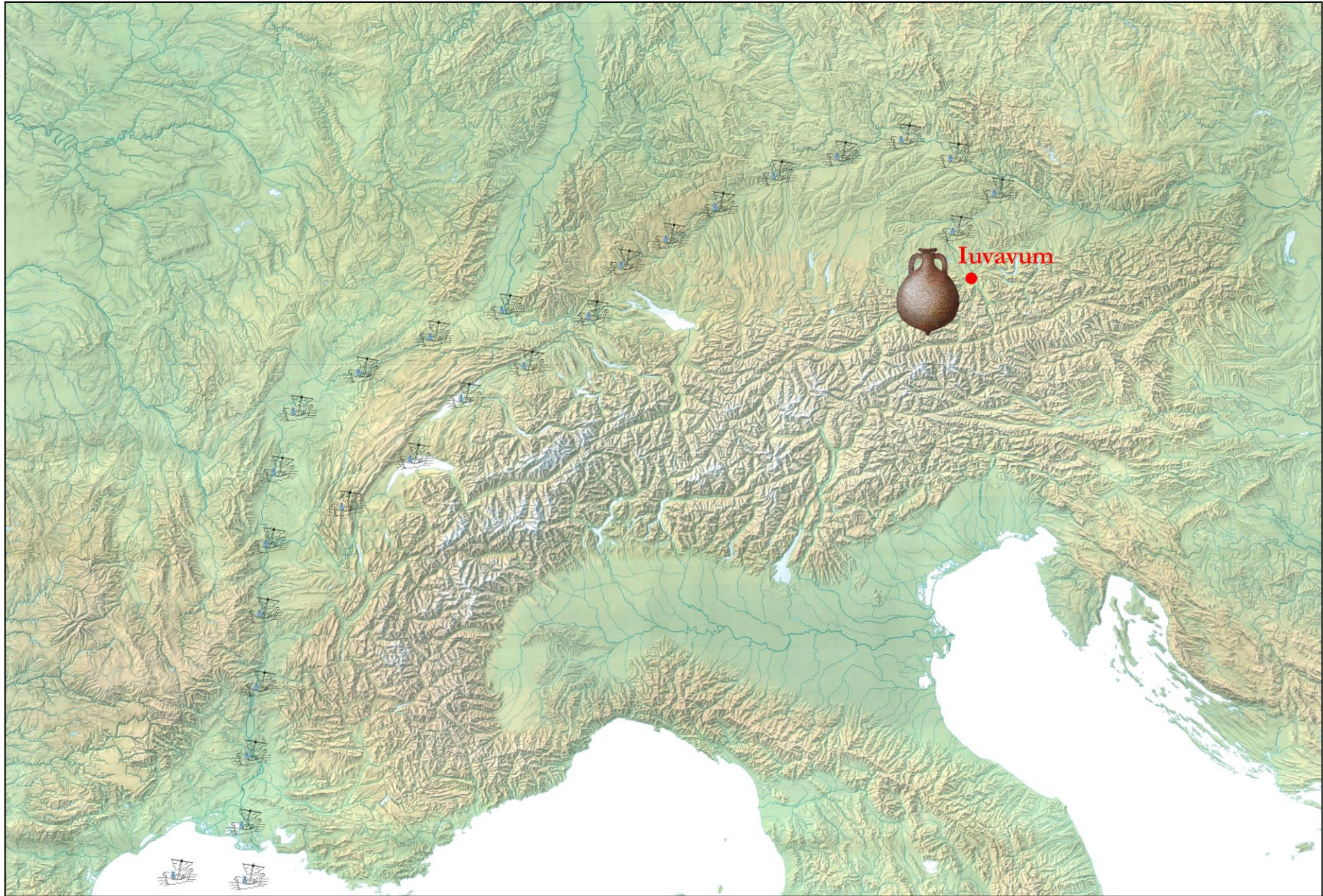

amphorae for olive oil

amphorae for olives

Baetican oil amphorae in early contexts in the Eastern Alpine Area only in Iuvavum

Iuvavum

Roman amphorae:
An example of an ancient global economy or of economic regions?