19th International Congress of Classical Archaeology
Cologne/Bonn (Germany), 22 – 26 May 2018

PROGRAMME

ARCHAEOLOGY AND ECONOMY IN THE ANCIENT WORLD
PATRONAGE

Under the patronage of the Minister-President of the State of North Rhine-Westphalia Armin Laschet.

Die Landesregierung
Nordrhein-Westfalen

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Deutscher Akademischer Austauschdienst
German Academic Exchange Service
Programme of the 19th International Congress of Classical Archaeology
Cologne/Bonn, 22 – 26 May 2018
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1. Welcome greetings from the president of the Association for Classical Archaeology

AIAC CONGRESS WELCOME GREETINGS

It is with great pleasure that I, on behalf of the Board of the International Association for Classical Archaeology (AIAC), welcome you to the 19th International Congress of Classical Archaeology. The congress has as its theme the most fundamental aspect of ancient society that made possible all the cultural expressions we as classical archaeologists and ancient historians study, namely the economy.

This year the congress brings us to Germany, a country with which the history of AIAC is closely connected. It was in order to save the library of the German Archaeological Institute (DAI) in Rome, the world’s largest archaeological research library, that AIAC was founded in 1945 with Erik Sjöqvist as its first president. AIAC worked hard to achieve this goal; the library survived the post-war turmoil and was restored to the DAI in Rome in 1953. Behind the foundation of AIAC lay the intention to create a truly international association for the study of the ancient world, a modern version of the Instituto di Corrispondenza Archeologica (founded in Rome in 1829), the forerunner of the DAI.

Among the important achievements of AIAC I would like to highlight the publication of the Fasti Archaeologici. Annual Bulletin of Classical Archaeology, the first volume of which appeared already in 1946 and which still lives on as Fasti Online, providing an extremely valuable database of excavations since 2000. A few years ago we celebrated the 70th anniversary of AIAC in Rome. It was an occasion to look back upon the history of the association and our discipline, but also to ask ourselves what the state of Classical Archaeology is in the world today. With participants from several of the member institutes in Rome a symposium was organized at the Swedish Institute in Rome, where AIAC had been founded 70 years before. The papers show that despite many differences the fact that Classical Archaeology has managed to remain a relevant field within the Arts and Humanities says a lot about the fundamental importance of the discipline in Western learning.
The AIAC congress is a manifestation of this importance and a chance for classical archaeologists from all over the world to meet and exchange ideas. Thus I look forward to a week of stimulating papers and discussions and would like to encourage all participants to make the most of this opportunity!

Kristian Göransson
President of AIAC
Director of the Swedish Institute in Rome
Classical Archeology is an internationally networked science. The International Association for Classical Archeology contributes significantly to this. When in 1945 archaeologists from different nations gathered in Rome and founded the association, they reacted to the catastrophe of World War II. They created a platform where archeology could reunite in Rome. They took up an idea dating back to the beginning of the 19th century. In 1820 a platform for international exchange was founded with the Instituto di Corrispondenza Archeologica in Rome that became the cornerstone of many national archeological institutes. The German Archaeological Institute also started here.

The 19th International Congress of Classical Archeology shows how alive the international exchange in archeology is today. The congress also shows how classical archeology has changed. The spectrum of sessions focuses on all facets of ancient life and clearly highlights the diversity of methods. The complex questions to the ancient cultures can only be answered in cooperation of many specialists and so it is not just classical archeologists from all over the world who are discussing their research here in Cologne. The International Congress of Classical Archeology in Cologne has its own profile and will provide us all with many new insights into the subject.

Friederike Fless
President of the German Archaeological Institute
Welcome to the 19th International Congress of Classical Archaeology in Cologne and Bonn

The two neighbouring cities of Cologne and Bonn (Germany) are pleased to invite you to the 19th International Congress of Classical Archaeology, which will be held from 22 - 26 May 2018.

The congress, organized every five years by the Associazone Internazionale di Archeologia Classica (AIAC), provides the most important platform of exchange for all disciplines that deal with Greco-Roman civilization and their neighbouring cultures from the Aegean Bronze Age to the end of Late Antiquity.

The 19th International Congress of Classical Archaeology 2018 will focus on the primary theme „Archaeology and Economy in the Ancient World“. In fact, economic aspects permeate all areas of public and private life in ancient societies, whether in urban development, in religion or art, in housing or in death.

Research on ancient economy has long played a significant role in ancient history. Increasingly in the last decades, awareness has grown in archaeology that especially the material culture of ancient societies offers excellent approaches for the study of structure, performance and dynamics of ancient economic systems and economic processes.

The objective of this congress will be to understand economy as a central element of classical societies and analyse its mutual interaction with current geographical, political, social, religious and cultural backgrounds. The theme of the congress is therefore addressed to all disciplines of classical archaeology and related sciences.

Martin Bentz
(University of Bonn)
Michael Heinzelmann
(University of Cologne)
Congress organisers
4. History of the International Congress of Classical Archaeology

The International Congresses of Classical Archaeology constitute the world’s most important forum for the archaeology of ancient Mediterranean cultures. However, they are also open to all adjacent disciplines that deal with Greco-Roman Antiquity from the Aegean Bronze Age to the end of Late Antiquity, and with the neighbouring cultures that were influenced by these (for example, Ancient History, Architectural History, Papyrology, Numismatics etc.). They have a history extending back a good 100 years, since the first congress was held in Athens in 1905. Since that time the congresses have been conducted almost uninterruptedly, in a 5-year cycle and alternating host cities in Europe, the Mediterranean region and the USA.

Following the caesura of the Second World War, the Associazione Internazionale di Archeologia Classica (AIAC), based in Rome, took on the congress’s patronage and co-ordination. The AIAC was founded in Rome on 5 May 1945, with the aim of re-enlivening, after the catastrophic Second World War, the intensive international collaboration among the global archaeological research community which reached back to the start of the 19th century. It was also by courtesy of the AIAC that the world’s biggest archaeological research library, of the German Archaeological Institute (DAI) Rome, survived the post-war turmoil and was restored to the DAI in Rome in 1953. To this day, the AIAC is the sole international lobby for Classical Archaeology, with the primary aim of promoting research and information exchange across national and disciplinary boundaries. Numerous individual researchers and institutions throughout the world are members. All archaeological research institutes in Rome are represented on the steering committee, including the British School at Rome, the Deutsche Archäologische Institut Rom, the École Française de Rome, the American Academy of Rome and many others. The International Congresses of Classical Archaeology primarily serve the intra-disciplinary exchange of new research findings and methodological approaches. However, current issues and research focuses are also integrated in their overriding themes. On a regular basis, the congresses set major stimuli and trajectories for continued research on the ancient world.
CONGRESSES SO FAR:

I. ATHENS 1905
II. CAIRO 1909
III. ROME 1912
IV. BARCELONA 1929
V. ALGIER 1930
VI. BERLIN 1939
VII. ROME/NAPLES 1958
VIII. PARIS 1963: LE RAYONNEMENT DES CIVILISATIONS GRECQUE ET ROMAINE SUR LES CULTURES PÉRIPHÉRIQUES
IX. DAMASCUS 1969: ORIENT, GRÈCE ET ROME
X. ANKARA/IZMIR 1973: ANATOLIA IN CLASSICAL ANTIQUITY
XI.  LONDON 1978: GREECE AND ROME IN THE CLASSICAL WORLD
XII.  THENS 1983: LA GRÈCE CLASSIQUE ET LE MONDE CLASSIQUE
XIII. BERLIN 1988: DER HELLENISMUS IN DER ARCHÄOLOGIE
XIV. TARRAGONA 1993: LA CIUTAT EN EL MÓN ROMÀ
XV.  AMSTERDAM 1998: CLASSICAL ARCHAEOLOGY TOWARDS THE THIRD MILLENIUM
XVI. BOSTON 2003: COMMON GROUND: ARCHAEOLOGY, ART, SCIENCE AND HUMANITIES
XVII. ROME 2008: MEETINGS BETWEEN CULTURES IN THE ANCIENT MEDITERRANEAN
XVIII. MERIDA 2013: CENTRO Y PERIFERIA EN EL MUNDO CLÁSICO
XIX.  COLOGNE/BONN 2018: ARCHAEOLOGY AND ECONOMY IN THE ANCIENT WORLD
Economy is one of the main considerations in analysing the manifold material culture of the Classical World. The aim of the congress is to present and discuss new and old evidence, interpretations, theories and methods using an economic approach which has become more and more common amongst archaeologists in recent years. The focus is on classical Mediterranean culture – including its predecessors and successors – but also on its varied contacts with neighbouring cultures, which were often driven by economic factors. The contributions and discussions may come from all research areas and may be based on different material evidence: from excavations, survey archaeology, and all kinds of visual and artistic culture – architecture, sculpture, ceramics and other classes of material.

During the congress the central economic process of production, distribution and consumption will be flanked by themes regarding human and natural environmental factors and specific cases such as cult, the city and the military etc. Of course, one important debate will be about methodology in the different fields of research.

The main theme will be discussed in 11 different sessions. Another session is open to suggestions.
1. **THE HUMAN FACTOR**: DEMOGRAPHY, NUTRITION, HEALTH, EPIDEMICS
2. **THE IMPACT OF NATURAL ENVIRONMENTAL FACTORS ON ANCIENT ECONOMY**: CLIMATE, LANDSCAPE
3. **SYSTEMS OF PRODUCTION**: LAND USE, INDUSTRY, TECHNOLOGY, ARTISTIC PRODUCTION
4. **SYSTEM OF EXTRACTION**: MINING, POLLUTION, TECHNOLOGY
5. **DISTRIBUTION**: TRADE AND EXCHANGE, MONETARIZATION, CREDIT, NETWORKS, TRANSPORT, INFRASTRUCTURE (E.G. PORTS)
6. **CONSUMPTION**: DAILY AND LUXURY CONSUMPTION, CONSPICUOUS CONSUMPTION, WASTE, RECYCLING, DIET
7. **ECONOMY OF CULT**: INVESTMENT, RELIGIOUS AND RITUAL CONSUMPTION, ECONOMICS OF DEATH
8. **THE ROLE OF THE CITY IN THE ANCIENT ECONOMY**: URBAN INFRASTRUCTURE, RELATIONS BETWEEN TOWN AND COUNTRY
9. **THE MILITARY ECONOMY AT WAR AND PEACE
10. **ECONOMY OF KNOWLEDGE**: EDUCATION, INNOVATION, LITERACY
11. **METHODOLOGY**: SURVEY ARCHAEOLOGY, NATURAL SCIENCES, QUANTIFICATION
12. **OTHER TOPICS OUTSIDE THE MAIN THEME OF THE CONFERENCE ARE OPEN TO SUGGESTIONS**
The opening and plenary session on 22 May 2018 will take place in Cologne at the Guerzenich, the mediaeval assembly hall in the city centre. For the following four days, the congress will move to the Palatial Residence in Bonn.

Cologne - Guerzenich
The Guerzenich, a popular and traditional Cologne venue, can look back on a history of over 550 years. At the same time, the Gürzenich-St. Alban ensemble is one of the city’s outstanding architectural monuments of the 1950s.
Built by the City Council as a civic ballroom and market hall between 1441 and 1447, the Gürzenich was the architectural expression of the prestige of Cologne’s citizens who had recovered their economic strength and gained political power. The festival hall on the upper floor created the distinguished setting for social and political events – this was where Cologne’s guests of honour were received, festivities celebrated by emperors, princes and citizens – but coronations, court sessions and a Reichstag were held also. Since the 1950s it is Cologne’s most prestigious congress and festival hall.

Bonn - Rheinische Friedrich-Wilhelms University
The Baroque building complex was erected between the end of the 17th and the beginning of the 18th century as a Palatial Residence of the Archbishops and Prince-electors of Cologne. In the south the Residence was adjoined by a quadrangular park called “Hofgarten”, which was adorned with a row of fountains in the middle and flanked by a stream and an alley.
In 1777 the structure burned down and only the wing opposite the garden was rebuilt when, in 1818, the Prussian King Friedrich Wilhelm III – Bonn had become part of his Kingdom a few years earlier – decided to establish a university in Bonn and chose the former Palatial Residence to be the main building. Today the building houses most of the university’s administration and the faculty of humanities of both the Catholic and Protestant religion.
1. Cologne Cathedral
   Domkloster 4, 50667 Köln

2. Guerzenich
   Martinstraße 29-37

3. Römisch-Germanisches Museum
   Roncalliplatz 4

4. Praetorium
   Kleine Budengasse 2

5. Cologne Tourism Office
   Kardinal-Höffner-Platz 1

6. Bus Stop (Excursions)
   Komödienstraße 12-8

7. Metro Station Heumarkt
7. University of Bonn – Building
The congress will begin on Tuesday, 22 May 2018, at 10 o’clock with a plenary session and keynote lectures at the Guerzenich in Cologne. From Wednesday to Saturday (23 to 26 May) there will be parallel panel sessions of two hours, each of which will take place at the Palatial Residence at Bonn (University Main Building). The congress will conclude with a final plenary session on Saturday, 26 May 2018.

The programme is structured thematically according to 12 sessions that are subdivided into single, double and triple panels. More than 100 panels create the framework for nearly 1000 papers.

Alongside the panel sessions, a poster session (24 May) and workshops on various topics and issues will be held. A preliminary schedule can be found here.

A variety of evening activities, excursions and city visits also will be arranged for congress participants. More information to follow.

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Scientific programme at a glance

**COLOGNE**
22 MAY, TUESDAY, WELCOME EVENT AT THE GUERZENICH
WELCOME ADRESSES AND KEYNOTE LECTURES FROM 10.00-18.00

**BONN**
23 MAY - 26 MAY, WEDNESDAY - SATURDAY, SESSIONS AT THE UNIVERSITY OF BONN
PANELS, POSTERS AND WORKSHOPS FROM 09.00-19.00
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<td>Reception at the LVR-Landes-Museum Bonn and special exhibition</td>
<td>Rhine cruise with on-board dinner Brewery crawls Cologne &amp; Bonn</td>
<td>Congress party</td>
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<td>Reception at the Römisch-Germanisches Museum</td>
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Archaeology in Cologne
Prehistoric Archaeology

Prehistoric Archaeology at Cologne investigates the early material record of humans, from the Palaeolithic to the Iron Age. The Institute of Prehistoric Archaeology at the University of Cologne supports excavations and research in a range of locations in Europe, the eastern Mediterranean as well as in Africa. It also works in close cooperation with the Archaeological Cultural Heritage Management of North Rhine-Westphalia (Bodendenkmalpflege NRW). Prehistoric Archaeology in Cologne is characterized by a multi-disciplinary approach integrating field work, theoretical approaches and a range of natural sciences.

Egyptology

The study of ancient Egypt at the University of Cologne is based in the Institute for African Studies and Egyptology. Research and teaching in the Egyptology Department focus on an interdisciplinary approach to the society and culture of Northeastern Africa through a multidisciplinary approach that integrates archaeology, philology, art history, and cultural heritage studies. In addition to offering a long-term perspective on the region (covering prehistoric to Byzantine periods), it engages in cross-cultural, comparative research.

Classical Archaeology

Classical Archaeology at Cologne’s Institute of Archaeology is dedicated to the study of the ancient Mediterranean cultures between the Bronze Age and Late Antiquity with a special focus on the Hellenistic and Roman periods. While all aspects of these ancient societies and their material culture are studied in the program, the research at Cologne has a very strong tradition in the multi-disciplinary investigation of landscapes and cities, economy, architecture, sculpture and iconography, and it is among the leading institutions in these fields in Germany.

Archaeology of the Roman Provinces

The Archaeology of the Roman Provinces is a specialisation of the Institute of Archaeology at the University of Cologne. Archaeology of the Roman Provinces studies the landscapes and material worlds of the northwestern provinces during the period of Roman occupation and through the records of its various communities (Roman legions, indigenous Celts, foreign Roman citizens). In addition to its multi-disciplinary approach that draws on both the humanities and natural sciences, it also sits at the intellectual intersection of Classical Archaeology, Prehistoric Archaeology and Ancient History.

Archaeoinformatics

The Archaeology of the Roman Provinces is a specialisation of the Institute of Archaeology at the University of Cologne. Archaeology of the Roman Provinces studies the landscapes and material worlds of the northwestern provinces during the period of Roman occupation and through the records of its various communities (Roman legions, indigenous Celts, foreign Roman citizens). In addition to its multi-disciplinary approach that draws on both the humanities and natural sciences, it also sits at the intellectual intersection of Classical Archaeology, Prehistoric Archaeology and Ancient History.

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SCIENTIFIC PROGRAMME, 22 - 26 MAY 2018
22 MAY:
WELCOME EVENT AT THE GUERZENICH IN COLOGNE

23 MAY - 26 MAY:
PANEL SESSIONS, POSTERS AND WORKSHOPS AT THE UNIVERSITY OF BONN
WELCOME EVENT AT THE GUERZENICH, COLOGNE
Programme Tuesday 22 May

WELCOME EVENT AT THE GUERZENICH

09:00 - 10:00  Registration starts

10:00 - 10:30  Welcome Addresses

Isabel Pfeiffer-Poensgen | Minister for Culture and Sciences of the State of North Rhine-Westphalia
Henriette Reker | Lord Major of the City of Cologne
Friederike Fless | President of the German Archaeological Institute
Manuela Günter | Prorector of the University of Cologne
Kristian Göransson | President of the International Association of Classical Archaeology
Martin Bentz and Michael Heinzelmann | AIAC organisers

Keynote lectures
Part I: Chaired by Kristian Göransson

10:30 - 11:00  Andrew Wilson | University of Oxford

Introduction: Archaeology and Economy in the Ancient World
Archaeology and Economic History

Archaeology and Ancient History over the past 40 years have entered a particularly happy marriage. This has not only revolutionized the subject of ancient economic history, but also transformed the nature of the questions we ask and the answers we find in economic research. We are now able to place economic processes into space, landscapes and infrastructures, use quantifiable data for social-science oriented economic models and investigate economic regions and micro-ecologies that were largely beyond the focus of literary texts in Greek and Latin. In this lecture, I will address important research agendas in which collaboration between archaeologists and ancient historians might promise particularly fruitful in the future: the use of numismatic, epigraphical and papyrological material, traditionally the preserves of ancient historians, in their archaeological contexts and temporalities; and collaborative approaches to economic questions that have turned out to be central in the 21st century. Among the latter are economic inequality, the effects of climate change on micro-economies, and economic development in global worlds.

Ancient social equality, biological standards of living, and demographic development in comparative perspective

The reconstruction of the demography, biological standard of living, and class structure of the ancient world is challenging, but our fragmentary documentary and archaeological evidence does offer a coherent vision, if properly interpreted in the light of recent research into the social and economic transformation of Europe and North America between the 18th and 20th centuries, a period of the contested revival of democratic political institutions.

I will focus on how we can read the effect of systems of land tenure and agricultural production, as well as differences in wealth, income and social power, through their effects upon the bodies of human beings and domestic animals, and upon the built environment. Special emphasis will be placed on how physical anthropological, archaeozoological and archaeobotanical data, long neglected by Classical archaeologists and historians,
as well as a more systematic study of domestic architecture, have begun to provide significant new concrete evidence to support the long unfashionable ‘modernizing’ analysis of the great German historians of the late 19th and early 20th century, Meyer, Beloch, Pöhlmann, and Friedländer. Finally, any discussion of the explanatory power of social inequality and of the scientific power of anthropometry, particularly in these times, ought to note how class differences in height, properly attributed to the effects of under-nutrition and poverty by Villermé and Quetelet, were simultaneously exploited by Galton and many reactionaries as evidence for the biological superiority of the upper classes and a justification for eugenics.

12:00 - 12:10 Discussion

Lunch break

13:10 - 13:40 Helmut Brückner | University of Cologne

Ecological and economical consequences of the human impact on the Mediterranean landscapes - examples from Western Anatolia

The natural factors of the Mediterranean ecosystems – such as rocks, soils, climate, hydrology, vegetation – are vulnerable in the sense that even minor changes may have great consequences. Therefore, the human impact, especially in Greek and Roman times, resulted in massive landscape changes, which strongly affected the economies of the ancient societies and their settlements. This can well be demonstrated when studying harbour cities. They were hubs for ancient economies, commerce and communication. From a (geo-)archaeological point of view harbours are excellent archives, rendering valuable information about shipping and trading, but also about erosion-accumulation processes, vegetation changes, pollution, and human diseases. Many marine embayments with natural harbour sites had evolved due to the postglacial sea-level rise. Their progressive siltation was caused by the progradation of the river deltas and the mostly human-induced denudation/accumulation processes. The lecture will exemplify this “life cycle” of ancient harbours for Elaia and the Kaikos (Bakırçay), Ephesos and the Kaystros (Küçük Menderes), Miletos...
and the Maiandros (Büyük Menderes), as well as Ainos and the Hebros (Meric/Mariza). It will be demonstrated how the rise and fall of the harbour cities and their economies were connected with these landscape changes.

13:40 - 14:10  Lin Foxhall | University of Liverpool

The shapes of production in classical antiquity: space, scale, infrastructure, integration

Production is a slippery concept in the study of the classical world. It hard to measure and difficult to characterise uniformly since it emerges from such a wide range of different activities and institutions operating at different scales, and yet it is visible through only a comparatively limited range of sources. This paper attempts to investigate the complexity of production in classical antiquity, in particular the connections between production at different scales and spatial locations, as well as the overlaps between agricultural and other kinds of production.

Part II: Chaired by Friederike Fless

14:10 - 14:40   François de Callataÿ | Royal Library of Belgium, Université Libre de Bruxelles, Ecole Pratique des Hautes Etudes

Distribution: A coin perspective

With 25 panels and 174 announced papers, the ‘Distribution’ session can claim to be the strongest of the Congress. Indeed, this is a topic which has benefited immensely during the last decades from 1) the gigantic mass of data produced by field archaeology, coupled with 2) the scientific
methods of the laboratory (even if they usually result in complicating rather than simplifying matters) and – last but not least – 3) digital humanities (including GIS).

Amongst the huge amount of material data produced by classical archaeology, some categories are especially suited to distribution studies. Vases and coins come to mind first, given the impressive amount of recovered data (millions of Greek coins, dozens of millions of Roman coins) combined with their generally large circulation. Coins are particularly interesting since we usually know where and when they have been produced. Based on both numismatics and other kinds of evidence, one aims to illustrate – in a more practical than a conceptual way – the different steps of how to proceed (and how not to proceed) with the interpretation of distribution patterns. 1) A first step is to define the different biases, ancient and modern, by which what is actually measured differs from what was originally produced. 2) The second step concerns final locations considered in terms of space, time or ‘status’. 3) The third step is to wonder about what happened to objects before to be finally discovered in their ultimate locations.

14:40 - 15:10 Elizabeth Fentress | Rome

There and Back Again: Piggy-back and Return Cargoes

It has long been recognized that the presence of certain low-value imports, like querns and bricks, depends more on their role as ballast than on their intrinsic value. The ships that brought grain from Africa and Egypt could not return empty, and their naviculaires would have sought merchandise of many types for resale. In other cases, a high-value, low weight cargo, like spices and silk, might attract other lower-value merchandise to fill the ships heading for Rome. This paper addresses the ways in which we might perceive these secondary cargoes, and the particular nature of ancient commercial distribution. Starting with a brief overview of the specific distributions of Attic pottery in Etruria, I will then discuss the case of African amphorae and Red Slip, with a final consideration of the traffic from the Eastern Mediterranean to Rome.

15:10 - 15:20 Discussion
Coffee break

15:50 - 16:20 Simon Keay | University of Southampton

Putting Urban Economic Infrastructure into Context

This paper emphasizes the importance of the relationship between the infrastructure offered by Roman cities and the intensity of rural settlement and seaborne commerce. Roads, warehouses, market buildings, manufactories, temples, and an adequate water supply ensured that bulk agricultural commodities from rural estates were transported, stored and processed prior to consumption, sale and onward transmission. In the case of ports, harbour structures, canals and warehouses ensured transhipment, storage and re-distribution of cargoes, and the movement of commodities between land and sea. In both cases, recent work is emphasising the crucial importance of infrastructure in peripheral connected contexts. Less evident are buildings hosting invisible infrastructure, including those for dissemination of the laws needed to enforce the payment of taxes, honouring of commercial contracts and ensuring the monitoring of weight standards and prices. Much still remains to be learned about the size, range and seasonality of the human capital that was fundamental to the mobilisation of economic resource in towns. Intensive rural surveys are continuing to provide ever sharper resolution data from the hinterlands of towns across the Empire. An important development in recent years has been the advent of data from surveys in the eastern Mediterranean, particularly the arid zones, to complement areas of more traditional enquiry in the west Mediterranean, north Africa and temperate Europe. However, differing survey methodologies and contrasting scales of analysis are still making it hard to undertake comparisons of survey results from different regions. The paper also argues that there is a case for more joined-up research into relationships between fluctuations in rural settlement, the provision of urban infrastructure, and the intensity of land and sea-based commerce.

16:20 - 16:50 Lynne Lancaster | Ohio University

Building Construction, Terracotta Production, and Knowledge Networks in the Roman Empire
With the uptake of the bathing habit that spread along with Roman conquests, terracotta building elements took on a role in the building industry that went beyond the traditional use as a roof covering. Clay is malleable and has the benefit of being much easier to shape than stone elements. The terracotta workshop therefore provided a rich experimental playground for developing new shapes and types of building elements that were both fire- and water-proof, some of which remained specific to bath buildings while others were adopted in a variety of different building types. The soft clay also allowed for stamping before firing, which in turn provides us a method for tracking distribution. Thus in this talk, I examine a number of unusual terracotta elements used for building vaults and examine what they can tell us about extents of knowledge networks in the different parts of the Roman Empire and about the different agents at work in the exchange of that knowledge. Similar studies have been made on trade networks of stone building elements, which has been possible due to the quarry marks, ship wrecks, and the identification of stone types, but in this study, I use terracotta stamping, identification of clay fabric, and unique forms of terracotta elements to identify both regional and long distance knowledge networks that do not necessarily reflect direct trade of the items themselves.
communication with non-human addressees stimulated massive investment in media that increased the efficiency of religious communication and produced religious goods subsequently available for consumption by others. Thirdly, given the density of the built environment of cities, space was a scarce resource that stimulated many different patterns of exploitation for religious purposes. These include the increase or reduction in visibility of different elements in permanent sacral contexts, competition over such resources, and the variation of specific religious profiles in the course of time. The lecture will mostly rely on examples taken from the city of Rome, but will suggest some more general conclusions.

Regional Survey and the Ancient Economy

Regional projects using surface pedestrian survey, coupled with remote sensing methods such as aerial photos and geophysical prospection, can contribute immense depth and breadth to our understanding of the economic life of Greek and Roman Antiquity. Firstly whereas excavations, archival history and epigraphy necessarily focus on particular settlements, especially cities, regional survey undertakes to prospect large areas of the landscape, often including every kind of human activity: from traces of land use in the unsettled landscape, through farms and villages, thence onwards to small and giant cities, and in every period from Prehistory to the presentday. This allows us to evaluate, quantitatively, the scale of rural and urban populations for each period of Antiquity, and the broad changes in the exploitation of farmland, pasture, marine resources, harbour installations and mineral resources. Changing modes de vie in the systems of land use, such as family farms or commercial villas, become apparent, as well as economic priorities. Since one third or more of ancient Mediterranean cities remain today in rural environments, and in any case excavation of entire towns has always been inconceivable, surface survey also permits us in a limited number of field seasons to recover the rise and fall of urbanism, then link this to the contemporary changes in the associated rural hinterland of towns. The data collected through surface survey, especially the abundant ceramic fragments, allow us to track local regional and interregional trade flows and the involvement of populations from
the humblest peasant farm to elite domus in production and consumption. Coins recovered during landscape studies, added to those archived from stray finds and excavations, further open up insights into the degree of monetarisation of the economy and the penetration of different levels of monetary transactions at varying social levels. Remote sensing finally can recover the plans of rural and urban domestic structures, allowing us to measure the relative wealth and scale of life for different sectors of the productive population, and how these alter over time.

Discussion
Der Mensch in seinen Welten
Herausragende Exponate aus Afrika, Asien, Ozeanien und Amerika

Rautenstrauch-Joest-Museum
Kulturen der Welt
Cäcilienstraße 29–33, 50667 Köln
Haltestelle: Neumarkt
Telefon 0221.221 31356
Email rjm@stadt-koeln.de
www.museenkoeln.de/rjm

Öffnungszeiten
Di bis So 10.00 – 18.00 Uhr
Do 10.00 – 20.00 Uhr
1. Do im Monat 10.00 – 22.00 Uhr

Eintritt
Dauerausstellung 6 €, erm. 4 €
Sonderausstellung 5 €, erm. 3 €
23 MAY - 26 MAY
PANEL SESSIONS, POSTERS AND WORKSHOPS AT THE UNIVERSITY OF BONN
Session 1

The human factor: demography, nutrition, health, epidemics

1.1 Economy, society and health-related quality of life in the ancient world: Bioarchaeological perspectives from the Eastern Mediterranean
Wednesday, 23 May | 09:00-13:30 | HS I

1.2 Wealthy and Healthy? Methodological approaches to non-élite burials
Wednesday, 23 May | 14:30-19:00 | HS XVI

1.3 The economic contribution of migrants to ancient societies. Technological transfer, integration, exploitation and interaction of economic mentalities
Thursday, 24 May | 09:00-13:30 | HS VIII

Session 2

The impact of natural environmental factors on ancient economy: climate, landscape

2.1 The Ancient City and Nature’s Economy in Magna Graecia and Sicily
Friday, 25 May | 09:00-13:30 | HS VI

2.2 The impact of rivers on ancient economies
Wednesday, 23 May | 09:00-13:30 | HS II
2.3 Coastal geoarchaeology in the Mediterranean – on the interdependence of landscape dynamics, harbour installations and economic prosperity in the littoral realm  
Friday, 25 May | 09:00-13:30 | HS II

2.4 The Riverlands of Aegean Thrace: Production, Consumption and Exploitation of the Natural and Cultural Landscapes  
Wednesday, 23 May | 17:00-19:00 | HS II

2.5 Halos, a city state on the edge?  
Saturday, 26 May | 14:30-16:30 | HS V

2.6 The Economic Structure of Eastern Anatolian Highland from Urartian Period to the End of Late Antiquity  
Saturday, 26 May | 14:30-16:30 | HS XI

2.7 River valleys and regional economies  
Wednesday, 23 May | 14:30-16:30 | HS II

2.8 Environmental factors on regional economies  
Friday, 25 May | 14:30-16:30 | HS II
Session 3

Systems of production: land use, industry, technology, artistic production

3.1 Production beyond the palaces: Technological and organizational aspects of LBA ceramic manufacture
Wednesday, 23 May | 14:30-19:00 | HS III

3.2 Organization of space and work: potter’s workshops in the Greek World
Saturday, 26 May | 14:30-16:30 | HS III

3.3 (Re)Producing images of the divine between Late Republican times and Late Antiquity
Saturday, 26 May | 14:30-16:30 | HS II

3.4 Reconstructing Scales of Production in the Ancient Greek World: Producers, Processes, Products, People
Wednesday, 23 May | 09:00-13:30 | HS V

3.5 A. Making Wine in Western-Mediterranean B. Production and the Trade of Amphorae: some new data from Italy
Saturday, 26 May | 09:00-13:30 | HS XIII

3.6 Building BIG – Constructing Economies: from Design to Long-Term Impact of Large-Scale Building Projects
Friday, 25 May | 09:00-13:30 | HS III

3.7 Organization of Production and Crafts in Pre-Roman Italy
Friday, 25 May | 14:30-16:30 | HS VIII

Archaeology and Economy in the Ancient World
3.8 Women and men at work! Entrepreneurs, ateliers and craftsmen in the construction and destruction of Roman tombs  
**Thursday, 24 May | 14:30-16:30 | HS XV**

3.9 Messapia: economy and exchanges in the Land between Ionian and Adriatic Sea  
**Saturday, 26 May | 14:30-16:30 | HS VI**

3.10 Contextualizing craftsmanship in the ancient world: an "economic" sphere?  
**Saturday, 26 May | 09:00-13:30 | HS III**

3.11 Salt, fish processing and amphorae production across the Mediterranean in the 1st millennium BC. An overview of the technological and economic interactions.  
**Wednesday, 23 May | 09:00-16:30 | HS IV**

3.12 Pre-modern Industrial Districts  
**Saturday, 26 May | 14:30-16:30 | HS XIV**

3.13 The rise of bling: charting the incredible increase in the consumption of decorative metal objects in the Roman Empire  
**Saturday, 26 May | 14:30-16:30 | HS XV**

3.14 “Craft Economy” and Terracotta Figurines. Approaching systems of production through coroplastic studies  
**Wednesday, 23 May | 09:00-13:30 | HS IX**

3.15 Villas, peasant agriculture, and the Roman rural economy  
**Friday, 25 May | 09:00-16:30 | HS V**
3.16 The logistics and socio-economic impact of construction in Late Republican and Imperial Rome
Wednesday, 23 May | 14:30-19:00 | HS XV

3.17 Light in context. Productions, solutions, consumptions and representations of the light and its devices for and in ancient spaces
Wednesday, 23 May | 09:00-13:30 | HS III

3.18 Strictly economic? Ancient Serial Production and its Premises
Thursday, 24 May | 09:00-11:00 | HS III

3.19 The role of water in production processes in Antiquity
Saturday, 26 May | 14:30-16:30 | HS VIII

3.20 The production of portrait statuary in Roman cities. An economic factor?
Saturday, 26 May | 09:00-11:00 | HS II

3.21 Farmhouses in Macedonia from the 4th century. B.C. until the Roman era: rural landscape and rural economy
Wednesday, 23 May | 14:30-19:00 | HS V

3.22 Local styles or common pattern books in roman wall painting and mosaics
Saturday, 26 May | 09:00-13:30 | HS VIII

3.23 Unfinished Details in Ancient Architecture. Consequences of Financial Shortages, Organizational Constraints or Aesthetic Ignorance?
Wednesday, 23 May | 09:00-13:30 | HS XV

Archaeology and Economy in the Ancient World
3.24 Quantifying Ancient building economy  
Thursday, 24 May | 09:00-13:30 | HS I

3.25 Production of tiles and bricks  
Thursday, 24 May | 14:30-16:30 | HS III

3.26 Serial production  
Thursday, 24 May | 11:30-13:30 | HS III

3.27 Roman and Late Antique glass production  
Saturday, 26 May | 14:30-16:30 | HS IV

3.28 Food production and consumption  
Friday, 25 May | 14:30-19:00 | HS XVI

3.29 Production and distribution of Roman pottery  
Saturday, 26 May | 14:30-16:30 | HS XIII

Session 4

System of extraction: mining, pollution, technology

4.1 Roman mining: dimensions, scale and social and territorial implications  
Wednesday, 23 May | 09:00-16:30 | HS VII
4.2 Mining Landscapes  
Thursday, 24 May | 09:00-16:30 | HS VII

4.3 From the quarry to the monument. The process behind the process: Design and Organization of the work in ancient architecture  
Saturday, 26 May | 09:00-13:30 | HS V

4.4 The exploitation of raw materials in the Roman world: a closer look at producer-resource dynamics  
Friday, 25 May | 14:30-19:00 | HS III

4.5 Roman and Late Antique industries  
Saturday, 26 May | 11:30-13:30 | HS II

Session 5

Distribution: trade and exchange, monetarization, credit, networks, transport, infrastructure (e.g. ports)

5.1 The Friction of Connectivity – Greco-Roman trade in archaeology and texts  
Thursday, 24 May | 14:30-16:30 | HS VIII

5.2 Tolls and ancient economies  
Friday, 25 May | 14:30-19:00 | HS VII

5.3 The Economy and the Maritime Cultural Landscape of Greece  
Friday, 25 May | 14:30-19:00 | HS VI
5.4 Trade in ancient Sardinia  
Friday, 25 May | 09:00-16:30 | HS VIII

5.5 Beyond the gift: the economy of archaic "Greek colonisation"  
Wednesday, 23 May | 14:30-16:30 | HS VIII

5.6 Distribution of Greek Vases  
Thursday, 24 May | 14:30-16:30 | HS II

5.7 Regional exchange of ceramics– case studies and methodology  
Wednesday, 23 May | 09:00-13:30 | HS VIII

5.8 The production and distribution network of the bay of Naples: from a regional to a Mediterranean perspective  
Wednesday, 23 May | 14:30-19:00 | HS IX

5.9 Economy and Cultural Contact in the Mediterranean Iron Age  
Thursday, 24 May | 09:00-16:30 | HS IV

5.10 Ingots of metals  
Wednesday, 23 May | 17:00-19:00 | HS VII

5.11 Politics of value: new approaches to early money and the state  
Friday, 25 May | 09:00-11:00 | HS VI
5.12 Revisiting the Roles of Roman Mediterranean Ports
Thursday, 24 May | 09:00-11:00 | HS VII

5.13 Networks at Work: Trade and Transport of Roman Building Materials in the Mediterranean
Thursday, 24 May | 14:30-16:30 | HS I

5.14 Trade and Commerce in the Harbour Town of Ostia
Thursday, 24 May | 11:30-13:30 | HS VI

5.15 Greek and Etruscan Vases: Shapes and Markets
Thursday, 24 May | 09:00-13:30 | HS II

5.16 Men, Goods and Ideas traveling over the sea: Cilicia at the crossroad of Eastern Mediterranean trade network
Saturday, 26 May | 09:00-13:30 | HS VI

5.17 New approaches to seaborne commerce in the Roman Empire
Wednesday, 23 May | 09:00-13:30 | HS VI

5.18 Trust, Branding and Fakes in the ancient World
Thursday, 24 May | 14:30-16:30 | HS VI

5.19 Roman transport systems I: "New insights on the Roman Transportation Systems. New applications and methodologies for a better understanding of the transportation networks and the movement of commodities"
Wednesday, 23 May | 14:30-16:30 | HS VI
5.20 Roman transport systems II: “Rivers and lakes in the Roman Transport Economy”
Wednesday, 23 May | 17:00-19:00 | HS VII

5.21 Trade and cultural contact in the Iron Age and Archaic Mediterranean
Friday, 25 May | 09:00-13:30 | HS XVI

5.22 The archaeology of cross-cultural trade: multi-disciplinary approaches to economic and cultural exchange at Naukratis
Saturday, 26 May | 09:00-13:30 | HS VII

5.23 Transport amphorae
Friday, 25 May | 14:30-19:00 | HS IX

5.24 Greek coinage
Friday, 25 May | 11:30-13:30 | HS IV

5.25 Roman coinage
Friday, 25 May | 14:30-19:00 | HS IV

Session 6

Consumption: daily and luxury consumption, conspicuous consumption, waste, recycling, diet

6.1 Culinary traditions in an entangled world: continuities, innovations and hybridizations in Mediterranean culinary practices (8th – 5th centuries BC)
Saturday, 26 May | 09:00-13:30 | HS IV
6.2 The eternal message of marble: prestige, symbolism and spolia in the Western Roman provinces
Saturday, 26 May | 09:00-13:30 | HS XIV

6.3 Textiles and Fashion in Antiquity
Thursday, 24 May | 09:00-16:30 | HS V

6.4 Making Value and the Value of Making: Theory and Practice in Craft Production
Thursday, 24 May | 09:00-13:30 | HS IX

6.5 Material Records, Consumption and Local Habits in a Proto-global Antiquity
Friday, 25 May | 17:00-19:00 | HS VIII

6.6 Assemblages of Transport Amphorae: from chronology to economics and society
Friday, 25 May | 09:00-13:30 | HS IX

6.7 Classical Food and Diet under the Microscope
Wednesday, 23 May | 09:00-13:30 | HS XVI

6.8 Recycling and reuse of sculpture in Roman and late antique times
Friday, 25 May | 14:30-19:00 | HS I

Session 7

Economy of cult: investment, religious and ritual consumption, economics of death

Archaeology and Economy in the Ancient World
7.1 Religious Investment and Ritual Consumption in Peloponnesian Sanctuaries  
Saturday, 26 May | 09:00-13:30 | HS XV

7.2 The economy of death: New research on collective burial spaces in Rome from the Late Republican to Late Roman period  
Friday, 25 May | 09:00-13:30 | HS XV

7.3 Boundaries Archaeology: Economy, Sacred Places, Cultural Influences in the Ionian Adriatic Areas  
Wednesday, 23 May | 17:00-19:00 | HS X

7.4 Financial resources and management in the sanctuaries in Greece (FiReMa)  
Wednesday, 23 May | 09:00-16:30 | HS X

7.5 Funerary economy  
Friday, 25 May | 14:30-16:30 | HS XV

7.6 The Economy of Palmyrene Burial and Death  
Wednesday, 23 May | 17:00-19:00 | HS VIII

7.7 Can the city afford that god?  
Thursday, 24 May | 09:00-13:30 | HS X

7.8 Consumption of Local and Imported Goods in Palaestina in Roman and Byzantine Times  
Wednesday, 23 May | 17:00-19:00 | HS XII
Session 8

The role of the city in the ancient economy: urban infrastructure, relations between town and country

8.1 The storage in urban economy: Rome and its ports
Thursday, 24 May | 14:30-16:30 | HS VI

8.2 Agrigento: Archaeology of an ancient city. Urban form, sacred and civil spaces, productions, territory.
Thursday, 24 May | 09:00-13:30 | HS XI

8.3 Shops, Workshops and Urban Economic History in the Roman World
Friday, 25 May | 09:00-13:30 | HS XII

8.4 The economics of urbanism in the Roman East
Wednesday, 23 May | 17:00-19:00 | HS XIV

8.5 The economics of urbanism in the Roman West
Wednesday, 23 May | 14:30-16:30 | HS XIV

8.6 Judaea/Palaestina and Arabia: Cities and Hinterland in Roman and Byzantine Times
Wednesday, 23 May | 09:00-16:30 | HS XII

8.7 From splendidissima ciuitas to oppidum labens: Financial problems and material ruin in Roman provincial cities at the end of the High-Empire
Wednesday, 23 May | 09:00-16:30 | HS XI

Archaeology and Economy in the Ancient World
8.8 The numidian country and its commercial and economic opening on the Mediterranean basin and its southern prolongation
Wednesday, 23 May | 09:00-11:00 | HS XIV

8.9 Town-country relations in the northern parts of Germany inferior from an economic perspective
Friday, 25 May | 11:30-13:30 | HS XIII

8.10 The aesthetics of urban production and trade
Friday, 25 May | 09:00-13:30 | HS XIV

8.11 Cities, Micro-regions and Economy in an Interdisciplinary Perspective. Three Case Studies from Hellenistic-Roman Asia Minor
Saturday, 26 May | 09:00-13:30 | HS XI

8.12 Roman Street and Urban Economy
Friday, 25 May | 17:00-19:00 | HS XIV

8.13 Central places and un-central landscapes: political economies and natural ressources in the longue durée
Friday, 25 May | 09:00-16:30 | HS XI

8.14 The Economy of Hellenistic, Roman and Late Antique North Africa: Linking Town and Country
Wednesday, 23 May | 11:30-13:30 | HS XIV

8.15 Crisis on the margins of the Byzantine Empire: Bio-archaeological approaches to resilience and collapse in the Negev Desert
Thursday, 24 May | 09:00-16:30 | HS XII

19th International Congress of Classical Archaeology | 22-26 May 2018
8.16 City and territory in ancient Sicily
Thursday, 24 May | 14:30-16:30 | HS XI

8.17 Roman shops and workshops
Friday, 25 May | 14:30-16:30 | HS XII

8.18 Roman water management and infrastructure
Friday, 25 May | 14:30-16:30 | HS XIV

8.19 Economy of Judaea-Palestine
Thursday, 24 May | 11:30-13:30 | HS XVI

8.20 Social groups as economic actors
Friday, 25 May | 17:00-19:00 | HS II

8.21 City and countryside in the Roman East
Friday, 25 May | 09:00-11:00 | HS XIII

8.22 Transformation of rural landscapes in the Roman and Late Antique West
Wednesday, 23 May | 17:00-19:00 | HS XI

8.23 Rural buildings and villas in Italy
Wednesday, 23 May | 17:00-19:00 | HS I
8.24 Urban Roman production and distribution sites
Friday, 25 May | 17:00-19:00 | HS XII

Session 9

The military economy at war and peace

9.1 The production of military equipment – fabricae, private production and more
Thursday, 24 May | 14:30-16:30 | HS XIII

9.2 Strapped for cash: needy soldiers, reluctant authorities
Thursday, 24 May | 09:00-13:30 | HS XIII

Session 10

Economy of knowledge: education, innovation, literacy
Session 11

Methodology: survey archaeology, natural sciences, quantification

11.1 The Rural Foundations of The Roman Economy. New Approaches to Rome’s Ancient Countryside from the Archaic to the Early Imperial period.
   Wednesday, 23 May | 09:00-13:30 | HS XIII

11.2 New views for old cities: settlement, survey, and legacy data towards a holistic economy of the city and countryside
   Wednesday, 23 May | 14:30-16:30 | HS XIII

11.3 City-hinterland relations on the move? The impact of socio-political change on local economies from the perspective of survey archaeology.
   Friday, 25 May | 14:30-19:00 | HS XIII

11.4 Geochemistry and Economic History: Approaching Ceramic Productions in Ancient Times with Portable Ed-XRF
   Wednesday, 23 May | 17:00-19:00 | HS XIII

11.5 The economy of progression and regression through a zooarchaeological and material culture perspective
   Friday, 25 May | 09:00-13:30 | HS VII

11.6 Computational approaches to Classical Archaeology
   Wednesday, 23 May | 17:00-19:00 | HS IV
Session 12

Other topics outside the main theme of the conference are open to suggestions

12.1 Classical Archaeology in a Digital World (The AIAC presidential panel)
Saturday, 26 May | 09:00-13:30 | HS XII

12.2 Communicating Archaeology in the Digital Era
Thursday, 24 May | 09:00-11:00 | HS XV

12.3 Beyond Academia: Classical sites and local communities
Thursday, 24 May | 09:00-11:00 | HS XVI

12.4 Targeting economic and cultural hotspots: an alternative view on early Roman expansionism
Thursday, 24 May | 09:00-16:30 | HS XIV

12.5 Ancient sculpture
Saturday, 26 May | 14:30-16:30 | HS VII

12.6 Sanctuaries and ritual
Thursday, 24 May | 14:30-16:30 | HS X

12.7 Idalion
Thursday, 24 May | 11:30 - 13:30 | HS XV
12.8 3D documentation and interpretation of ancient buildings
Saturday, 26 May | 14:30-16:30 | HS XII

12.9 From Hellenistic to Roman times: trade relations, cultural exchanges and funerary practices in the Southern Illyria.
Thursday, 24 May | 14:30-16:30 | HS XVI

Wednesday, 23 May | 14:30-16:30 | HS I
„Eine glänzend erzählte Enzyklopädie.“

Romain Leick, LiteraturSPIEGEL


C.H.BECK www.chbeck.de
23 MAY, WEDNESDAY
### Room HS I

**09:00-11:00**

Panel 1.1 | Part 1  
**Economy, society and health-related quality of life in the ancient world: Bioarchaeological perspectives from the Eastern Mediterranean**  
Organiser/Chair: S. Voutsaki, A. Lagia  
Details: p. 70

Panel 2.2 | Part 1  
**The impact of rivers on ancient economies**  
Organiser/Chair: Ch. Berns, S. Huy  
Details: p. 72-73

Panel 3.17 | Part 1  
**Light in context. Productions, solutions, consumptions and representations of the light and its devices for and in ancient spaces**  
Organiser/Chair: M. Micheli  
Details: p. 83

Panel 11.6  
**Computational approaches to Classical Archaeology**  
Chair: Eleftheria Paliou (University of Cologne)  
Details: p. 114

### Room HS II

**11:30-13:30**

Panel 1.1 | Part 2  
**Economy, society and health-related quality of life in the ancient world: Bioarchaeological perspectives from the Eastern Mediterranean**  
Organiser/Chair: S. Voutsaki, A. Lagia  
Details: p. 70-71

Panel 2.2 | Part 2  
**The impact of rivers on ancient economies**  
Organiser/Chair: Ch. Berns, S. Huy  
Details: p. 73

Panel 3.17 | Part 2  
**Light in context. Productions, solutions, consumptions and representations of the light and its devices for and in ancient spaces**  
Organiser/Chair: M. Micheli  
Details: p. 84

Panel 11.6  
**Computational approaches to Classical Archaeology**  
Chair: Eleftheria Paliou (University of Cologne)  
Details: p. 114

### Room HS III

**14:30-16:30**

Panel 2.7  
**River valleys and regional economies**  
Chair: T. de Haas  
Details: p. 74-75

Panel 3.1 | Part 1  
**Production beyond the palaces: Technological and organizational aspects of LBA ceramic manufacture**  
Organiser/Chair: N. Abell and J. Hilditch  
Details: p. 75-76

Panel 3.11 | Part 1  
**Salt, fish processing and amphorae production across the Mediterranean in the 1st millennium BC.**  
Organiser/Chair: E. García-Vargas, F. José García Fernandez, A. Sáez Romero  
Details: p. 78-79

### Room HS IV

**17:00-19:00**

Panel 8.23  
**Rural buildings and villas in Italy**  
Chair: G. Schörner  
Details: p. 110-111

Panel 2.4  
**The Riverlands of Aegean Thrace: Production, Consumption and Exploitation of the Natural and Cultural Landscapes**  
Organiser/Chair: E. Kefalidou  
Details: p. 74

Panel 3.1 | Part 2  
**Production beyond the palaces: Technological and organizational aspects of LBA ceramic manufacture**  
Organiser/Chair: N. Abell and J. Hilditch  
Details: p. 76

Panel 3.11 | Part 3  
**Salt, fish processing and amphorae production across the Mediterranean in the 1st millennium BC.**  
Organiser/Chair: E. García-Vargas, F. José García Fernandez, A. Sáez Romero  
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<td>Reconstructing Scales of Production in the Ancient Greek World: Producers, Processes, Products, People</td>
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<td>Organiser/Chair: St. Huysecom-Haxhi, A. Pautasso</td>
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<td>The production and distribution network of the bay of Naples: from a regional to a Mediterranean perspective</td>
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<td>Organiser/Chair: L. Donnellan</td>
<td>Organiser/Chair: M. Giglio, L. Toniolo</td>
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<td>Farmhouses in Macedonia from the 4th century B.C. until the Roman era: rural landscape and rural economy</td>
<td>Roman transport systems II: „Rivers and lakes in the Roman Transport Economy”</td>
<td>Ingots of metals</td>
<td>The Economy of Palmyrene Burial and Death</td>
<td>The production and distribution network of the bay of Naples: from a regional to a Mediterranean perspective</td>
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<td>Organiser/Chair: E. Stefani, P. Adam-Veleni</td>
<td>Organiser/Chair: K. Verboven</td>
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<td>Organiser/Chair: R. Raja</td>
<td>Organiser/Chair: S. M. Giglio, L. Toniolo</td>
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<td>09:00-11:00</td>
<td>Panel 7.4</td>
<td>Part 1 <strong>Financial resources and management in the sanctuaries in Greece (FiReMa)</strong>&lt;br&gt;Organiser/Chair: A. Lo Monaco&lt;br&gt;Details: p. 99</td>
<td>Panel 8.7</td>
<td>Part 1 <strong>From splendidissima ciuitas to oppidum labens: Financial problems and material ruin in Roman provincial cities at the end of the High-Empire</strong>&lt;br&gt;Organiser/Chair: J. Andreu Pintado&lt;br&gt;Details: p. 106-107</td>
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<td>11:30-13:30</td>
<td>Panel 7.4</td>
<td>Part 2 <strong>Financial resources and management in the sanctuaries in Greece (FiReMa)</strong>&lt;br&gt;Organiser/Chair: A. Lo Monaco&lt;br&gt;Details: p. 100</td>
<td>Panel 8.7</td>
<td>Part 2 <strong>From splendidissima ciuitas to oppidum labens: Financial problems and material ruin in Roman provincial cities at the end of the High-Empire</strong>&lt;br&gt;Organiser/Chair: J. Andreu Pintado&lt;br&gt;Details: p. 106-107</td>
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<td>14:30-16:30</td>
<td>Panel 7.4</td>
<td>Part 3 <strong>Financial resources and management in the sanctuaries in Greece (FiReMa)</strong>&lt;br&gt;Organiser/Chair: A. Lo Monaco&lt;br&gt;Details: p. 100</td>
<td>Panel 8.7</td>
<td>Part 3 <strong>From splendidissima ciuitas to oppidum labens: Financial problems and material ruin in Roman provincial cities at the end of the High-Empire</strong>&lt;br&gt;Organiser/Chair: J. Andreu Pintado&lt;br&gt;Details: p. 107</td>
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<td>17:00-19:00</td>
<td>Panel 7.3 <strong>Boundaries Archaeology: Economy, Sacred Places, Cultural Influences in the Ionian Adriatic Areas</strong>&lt;br&gt;Organiser/Chair: E. Giorgi, G. Lepore&lt;br&gt;Details: p. 98-99</td>
<td>Panel 8.22 <strong>Transformation of rural landscapes in the Roman and Late Antique West</strong>&lt;br&gt;Organiser/Chair: J. Seligman, I. Taxel&lt;br&gt;Details: p. 109-110</td>
<td>Panel 7.8 <strong>Consumption of Local and Imported Goods in Palaestina in Roman and Byzantine Times</strong>&lt;br&gt;Organiser/Chair: J. Seligman, I. Taxel&lt;br&gt;Details: p. 101-102</td>
<td>Panel 11.4 <strong>Geochemistry and Economic History: Approaching Ceramic Productions in Ancient Times with Portable ED-XRF</strong>&lt;br&gt;Organiser/Chair: L. Heinze, M. Helfert&lt;br&gt;Details: p. 113-114</td>
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<td><strong>Panel 8.8</strong>&lt;br&gt;The numidian country and its commercial and economic opening on the Mediterranean basin and its southern prolongation&lt;br&gt;Organiser/Chair: K. Bennour&lt;br&gt;Details: p. 108</td>
<td>**Panel 3.23</td>
<td>Part 1**&lt;br&gt;Unfinished Details in Ancient Architecture. Consequences of Financial Shortages, Organizational Constraints or Aesthetic Ignorance?&lt;br&gt;Organiser/Chair: N. Toma, F. Rumscheid&lt;br&gt;Details: p. 86</td>
<td>**Panel 6.7</td>
<td>Part 1**&lt;br&gt;Classical Food and Diet under the Microscope&lt;br&gt;Organiser/Chair: E. Margaritis, E. Nikita, A. Radini&lt;br&gt;Details: p. 97</td>
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<td><strong>Panel 8.5</strong>&lt;br&gt;The economics of urbanism in the Roman West&lt;br&gt;Organiser/Chair: M. Hobson&lt;br&gt;Details: p. 103-104</td>
<td>**Panel 3.16</td>
<td>Part 1**&lt;br&gt;The logistics and socio-economic impact of construction in Late Republican and Imperial Rome&lt;br&gt;Organiser/Chair: D. Maschek, U. Wulf-Reidt&lt;br&gt;Details: p. 82</td>
<td>**Panel 1.2</td>
<td>Part 1**&lt;br&gt;Wealthy and Healthy? Methodological approaches to non-élite burials&lt;br&gt;Organiser/Chair: U. Kelp, W.-R. Teegen&lt;br&gt;Details: p. 71</td>
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<td><strong>Panel 8.4</strong>&lt;br&gt;The economics of urbanism in the Roman East&lt;br&gt;Organiser/Chair: R. Willet&lt;br&gt;Details: p. 102-103</td>
<td>**Panel 3.16</td>
<td>Part 2**&lt;br&gt;The logistics and socio-economic impact of construction in Late Republican and Imperial Rome&lt;br&gt;Organiser/Chair: D. Maschek, U. Wulf-Reidt&lt;br&gt;Details: p. 82-83</td>
<td>**Panel 1.2</td>
<td>Part 2**&lt;br&gt;Wealthy and Healthy? Methodological approaches to non-élite burials&lt;br&gt;Organiser/Chair: U. Kelp, W.-R. Teegen&lt;br&gt;Details: p. 72</td>
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ECONOMY, SOCIETY AND HEALTH-RELATED QUALITY OF LIFE IN THE ANCIENT WORLD: BIOARCHAEOLOGICAL PERSPECTIVES FROM THE EASTERN MEDITERRANEAN

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS I
Sofia Voutsaki (University of Groningen), Anna Lagia (Albert-Ludwigs-Universität Freiburg)

09:00 - 09:20 | Ursula Wittwer-Backofen (Albert-Ludwigs-Universität Freiburg)
Assessing long-term change in human health: perspectives from the Global History of Health Project

09:20 - 09:40 | Sherry Fox (Eastern Michigan University)
The economic implications of zoonoses in the paleopathological analyses of human skeletal remains from the eastern Mediterranean in classical antiquity

09:40 - 10:00 | Eleana Prevedorou (Wiener Laboratory & Arizona State University)
Politics, power, and production in ancient Athens: the people of the Phaleron cemetery

10:00 - 10:20 | Anna Lagia (Albert-Ludwigs-Universität Freiburg)
Factors affecting health-related quality of life in classical contexts: bioarchaeological evidence from the Athenian Asty and the region of Lavrion in SE Attica

10:20 - 10:40 | Efthymia Nikita (The Cyprus Institute, Nicosia)
Humanizing Antiquity: Biocultural Approaches to Identity Formation in Ancient Boeotia, central Greece

Discussion

Coffee break

11:30 - 11:50 | Chryssa Bourbou (University of Fribourg)
Living and Dying at the Periphery of the Society? First insights into a Classical-Hellenistic burial ground from Chania (Crete, Greece)

11:50 - 12:10 | Velissaria Vanna (UCL, London)
Socioeconomic differentiation, son preference and women’s status in Hellenistic mainland Greece (3rd – 1st century BC): Unlocking the evidence from the North Cemetery of Demetrias, the second capital of the Macedonian Kingdom
12:10 - 12:30 | Lynne Schepartz (University of the Witwatersrand)
Health-related quality of life in the Corinthian colony of Apollonia, Albania

12:30 - 12:50 | Sam Cleymans (KU Leuven)
In Sickness and in Health: Diachronic Changes of Physical Health and Quality of Life at Sagalassos, SW Anatolia

12:50 - 13:10 | Maria Liston (University of Waterloo, Ontario)
Inferring the presence of a leprosarium or hospital from the pathologies in the cemetery: Interpreting burials from Byzantine Thebes

Discussion
Geoffrey Kron (University of Victoria)

WEALTHY AND HEALTHY? METHODOLOGICAL APPROACHES TO NON-ÉLITE BURIALS

Wednesday | 23 May | 14:30-19:00
Bonn - University | HS XVI

Ute Kelp (Deutsches Archäologisches Institut Berlin), Wolf-Rüdiger Teegen (Universität München)

14:30 - 14:50 | Christian Briesack (University of Bonn)
Tomb and society in Orvieto in the 6th century BC. A study of different grave types

14:50 - 15:10 | Vasiliki Brouma (University of Nottingham)
The economics of death in Hellenistic Rhodes: the case of the koina

15:10 - 15:30 | Konstantina Chavela (Hellenic Ministry of Culture & Sports. Ephorate of Antiquities of Achaia)
„Poor“ indigenous and „wealthy“ Macedonians(?). The evidence of burial practices around the Thermaic Gulf (Thessaloniki)
Discussion

Coffee break

17:00 - 17:20  |  Angela Pencheva (Balkan Heritage Foundation)
Funeral Wreaths in the Context of the Macedonian, Thracian Late Classical and Hellenistic Burial Complexes and the Necropoleis of the West Pontic Greek Poleis. Functional and Comparative Analysis

17:20 - 17:40  |  Hale Guney (University of Cologne)
Different Grave Types in the Choria Considiana

17:40 - 18:00  |  Maria Stella Busana (University of Padua)
Textile workers in the Roman Venetia: from the tools to the skeletal remains

18:00 - 18:20  |  Ricardo Fernandes (Max Planck Institute for the Science of Human History)
A glimpse at the bioarchaeological history of the late antiquity necropolis of Centocelle (Rome): results from a multiproxy approach

Discussion

Andrea Binsfeld (Université du Luxembourg)
SPEAKERS:

09:00 - 09:20 | Sabine Huy (Ruhr-Universität Bochum)
The Economy of the Don River Communities - Driven by the River or by Land Routes?

09:20 - 09:40 | Helmut Brückner (Universität zu Köln)
Life cycles of islands and harbours – the case study of the Maiandros river and the city of Miletos

09:40 - 10:00 | Silvia Paltineri (Università degli Studi di Padova) - Mirella T. A. Robino (Università degli Studi di Pavia) - Federica Wiel-Marin (Ruhr-Universität Bochum)

10:00 - 10:20 | Varvara Papadopoulou
River Arachthos: Shaping the economic landscape of Ambracia, a Corinthian colony in the Ionian coast

Discussion

Coffee break

11:30 - 11:50 | Christoph Rummel (Freie Universität Berlin)
Taming Nature – Riverine Connectivity in the Middle Danube Region

11:50 - 12:10 | Paul Pasieka (Freie Universität Berlin)
Südetrurien und seine Flüsse – Beobachtungen zur wirtschaftlichen und infrastrukturellen Erschließung in der römischen Kaiserzeit

12:10 - 12:30 | Alessandro Sebastiani (University at Buffalo, SUNY)
The river Ombrone Valley: connecting economies during the Roman period

12:30 - 12:50 | Anca Dan (CNRS, Ecole Normale Supérieure)
Milesian Landscape Transfer: the salted fish, from Egypt to the Black Sea

Discussion
THE RIVERLANDS OF AEGEAN THRACE: PRODUCTION, CONSUMPTION AND EXPLOITATION OF THE NATURAL AND CULTURAL LANDSCAPES

Wednesday | 23 May | 17:00-19:00
Bonn - University | HS II
Eurydice Kefalidou (National and Kapodistrian University of Athens)

17:00 - 17:20 | Merkourios Georgiadis (University of Nottingham) - Eurydice Kefalidou (National and Kapodistrian University of Athens)
Archaic and Classical Abdera: Economy and Wealth by the Nestos Riverside

17:20 - 17:40 | Domna Terzopoulou (Archaeological Museum of Thessaloniki)
The Classical City on the Molyvoti Peninsula (Aegean Thrace): Landscape, Urban Development, and Economic Networks

17:40 - 18:00 | Chryssa Karadima (Hellenic Ministry of Culture & Sports. Ephorate of Antiquities of Rhodope)
Doriskos. „Αἰγιαλός καὶ πεδίον μέγα“. A Harbour on the West Side of the Hebros River

18:00 - 18:20 | Thomas Schmidts (Römisch-Germanisches Zentralmuseum)
Ainos - a hub between sea and inland

18:20 - 18:40 | Despina Tsiafaki („Athena“ Research Center)
Exploring rivers and ancient settlements in Aegean Thrace through spatial technology

Discussion

RIVER VALLEYS AND REGIONAL ECONOMIES

Wednesday | 23 May | 14:30-16:30
Bonn - University | HS II
| CHAIR: Tymon de Haas (University of Cologne) |
| SPEAKERS: |
| 14:30 - 14:50 | Romel Ghrib (Department of Antiquities) 
Study of Ancient Economy around Zarqa River in Jordan |
| 14:50 - 15:10 | Desirè Di Giuliomaria 
Walking along the Ilissos River |
| 15:10 - 15:30 | Annapaola Mosca (Università di Roma “La Sapienza”) 
An ancient landscape shaped by the river: the impact of the Adige at the base of the Alps. A new research perspective |
| 15:30 - 15:50 | Ilaria Serchia 
The impact of the Parma creek floods on urban and economic development of Roman Parma in light of recent findings from „via del Conservatorio“ archaeological excavations |

| PANEL 3.1 (DOUBLE) |
| PRODUCTION BEYOND THE PALACES: TECHNOLOGICAL AND ORGANIZATIONAL ASPECTS OF LBA CERAMIC MANUFACTURE |
| DAY AND TIME: Wednesday | 23 May | 14:30-19:00 |
| ROOM: Bonn - University | HS III |
| ORGANISER/CHAIR: Natalie Abell and Jill Hilditch (University of Michigan) |
| SPEAKERS: |
| 14:30 - 14:50 | Natalie Abell (University of Michigan) and Jill Hilditch (University of Amsterdam) 
Late Bronze Age Production beyond the Palaces: Introduction |
| 14:50 - 15:10 | Julie Hruby (Dartmouth College) 
Using Mycenaean Palaces and Potters as a Mechanism for Understanding How Context and Intensity (Don’t) Work as
Models with which to Describe Craft Production

15:10 - 15:30 | Kim Shelton (University of California)
Decisions, decisions, decisions. Examining the role of choice in pottery production at Petsas House, Mycenae

15:30 - 15:50 | William Gilstrap (Massachusetts Institute of Technology)
The protean potter. Economic strategy and social organization in prehistoric complex society

15:50 - 16:10 | Kyle Jazwa (Duke University)
Non-Palatial Architectural Ceramics in LBA Mainland Greece: Design, Production, and Use

Discussion

Coffee break

17:00 - 17:20 | Natalie Abell (University of Michigan)
Pottery Production on Late Bronze Age Kea: Organizational Perspectives

17:20 - 17:40 | Emilia Oddo (Tulane University)
Palatial and nonpalatial pottery production from domestic neopalatial contexts: an inter-regional case study.

17:40 - 18:00 | Charlotte Langohr and Iro Mathioudaki (Université catholique de Louvain)
Ceramic traditions in Palatial Crete in the longue durée. Examining shifts in pottery consumption and production at Malia and Sissi, north-east Crete

18:00 - 18:20 | Jill Hilditch and Caroline Jeffra (University of Amsterdam)
As the world turns: technological approaches to assessing ceramic production within and beyond the palaces in the LB Aegean

Discussion

Michael Galaty (University of Michigan)
RECONSTRUCTING SCALES OF PRODUCTION IN THE ANCIENT GREEK WORLD: PRODUCERS, PROCESSES, PRODUCTS, PEOPLE

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS V
Martin Bentz (University of Bonn), Eleni Hasaki (University of Arizona)

09:00 - 09:20  |  Kyle Jazwa (Duke University)
Comparing the Labor Investment and Production of Early and Late Bronze Age Ceramic Roofing Tiles in Mainland Greece

09:20 - 09:40  |  Rodney Fitzsimons (Trent University)
Laying the Foundations for the Mycenaean State: Labour Investment, Tomb Construction, and Early State Formation in the Bronze Age Argolid

09:40 - 10:00  |  Giulia Rocco (Università di Roma Tor Vergata)
Relations among workshops and craftsmen in protoattic vase-painting: limits and perspectives in quantifying the production

10:00 - 10:20  |  Eleni Hasaki (University of Arizona) and Diane Cline (George Washington University)
Beazley’s Connoisseurship-based Athenian Kerameikoi: A Social-Network Analysis

Discussion

Coffee break

11:30 - 11:50  |  Philip Sapirstein (University of Nebraska–Lincoln)
Productivity and staffing of Athenian pottery workshops from a quantitative perspective

11:50 - 12:10  |  Vladimir Stissi (University of Amsterdam)
Millions of vases can’t be wrong -- but how about making them? Assessing the scale of Archaic-Classical Athenian pottery production and its impact on workshop staff

12:10 - 12:30  |  Martin Bentz (University of Bonn)
Production and Consumption of Ceramics at Selinous – a quantitative approach

12:30 - 12:50  |  Niccolò Cecconi (Scuola Archeologica Italiana di Atene)
The Economy of the Ancient Pavements Prices, Contracts and Economy of the Mosaics and Marble Floors in the Ancient Greek World

Discussion

Peter Acton

SALT, FISH PROCESSING AND AMPHORAE PRODUCTION ACROSS THE MEDITERRANEAN IN THE 1ST MILLENNIUM BC. AN OVERVIEW OF THE TECHNOLOGICAL AND ECONOMIC INTERACTIONS.

Wednesday | 23 May | 09:00-16:30
Bonn - University | HS IV

Enrique García-Vargas, Francisco José García Fernandez and Antonio Sáez Romero (University of Seville)

09:00 - 09:20  |  Sónia Gabriel (Direcção Geral do Património Cultural)
Fish and fishing in the Western Mediterranean: species, techniques and trends

09:20 - 09:40  |  Dimitra Mylona (INSTAP Study Center for East Crete)
Fish and fishing in the Eastern Mediterranean: species, techniques and trends

09:40 - 10:00  |  Emmanuel Botte (CNRS-AMU, Centre Camille Jullian)
Salt-fish production and trade across the Mediterranean

10:00 - 10:20  |  Tønnes Bekker-Nielsen (University of Southern Denmark)
Salt-fish production and trade in Greece and the Black Sea

Archaeology and Economy in the Ancient World
10:20 - 10:40 | Maria Teresa Soria Trastoy (Universidad de Cadiz)
Fisheries and salted fish in Ptolemaic Egypt: A state of the art

Discussion

Coffee break

11:30 - 11:50 | Enrique Garcia Vargas (University of Seville)
Salt works and tuna traps across the Mediterranean in the 1st millennium BC

11:50 - 12:10 | Solène Chevalier (Ecole pratique des hautes études)
Salt, productive activities and land occupation. An overview of the Tyrrhenian archaeological situation at the beginning of the 1st millenium BC

12:10 - 12:30 | Edoardo Vanni (University of Siena)
Searching for Salt in Italian Peninsula Mobility and exploitation of Salt from Final Bronze Age to Early Iron Age

12:30 - 12:50 | Antonio Sáez Romero (University of Seville)
Amphorae and kiln sites in Southern Iberia Peninsula and northern Mauritania

12:50 - 13:10 | Horacio Gonzalez Cesteros (Austrian Academy of Sciences)
Alfred Galik Fish-resources exploitation and commerce in the Aegean in Hellenistic and early Roman times. The case of Ephesus.

Discussion

Lunch break

14:30 - 14:50 | Darío Bernal-Casasola (Universidad de Cádiz)
Roman fishing strategies in the Western Mediterranean. Sardines, Mackerel and tuna at Gades (Olivillo Project)

14:50 - 15:10 | Carolina Megale (University of Florence)
The cetaria of Caius Caecina Largus at Populonia

15:10 - 15:30 | Rafael M. Rodríguez (Pontevedra County Council)
New consumption in the Northwest Hispanic from the amphorae remains located in indigenous contexts of the Rías Baixas, 1st millennium BC

15:30 - 15:50 | Dario Bernal-Casasola (Universidad de Cádiz)
The transition to the Roman Era. Salt-fish and amphorae production and trade in the Mediterranean during the 2nd-1st centuries BC

Discussion

Carlos Fabiao (Universidade de Lisboa) and Roald Docter (Ghent University)

"CRAFT ECONOMY" AND TERRACOTTA FIGURINES. APPROACHING SYSTEMS OF PRODUCTION THROUGH COROPLASTIC STUDIES

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS IX
Stephanie Huysecom-Haxhi (CNRS-HALMA - Univ. Lille3), Antonella Pautasso (CNR-IBAM)

09:00 - 09:20 | Rebecca Miller Ammerman (Colgate University, New York)
Toward the Study of the Production of Figured Terracottas from Local Clays at Metaponto

09:20 - 09:40 | Antonella Pautasso (Instituto per i Beni Archaeologici e Monumentali (IBAM)
Neither kilns nor moulds. Indirect evidences for the reconstruction of a coroplast workshop at Katane

09:40 - 10:00 | Stéphanie Huysecom-Haxhi (CNRS)
Les terres cuites figurées de Kirra (Phocide) du VIe au IVe siècles avant J.-C.: caractérisation des productions et définition du faciès de l’atelier coroplathique kirrhéen

10:00 - 10:20 | Nancy Serwint (Arizona State University)
The Terracotta Sculpture from Ancient Marion: Evidence for the Coroplasts’ Craft

10:20 - 10:40 | Gina Salapata (Massey University)
Does size matter in the terracotta serial production of dedications?

Discussion

Coffee break

11:30 - 11:50 | Sven Kielau (Roemer- und Pelizaeus-Museum Hildesheim)
Production and distribution of terracottas in Western Asia Minor: demand and supply in Hellenistic times

11:50 - 12:10 | Marina Albertocchi
Terracotta figurines at Iasos, Karia: some observations on production and consumption

12:10 - 12:30 | Maria Adele Ibba (University of Cagliari)
Modelli greci nella coroplastica della Sardegna tardo punica e romana (IV-II secolo a.C.)

12:30 - 12:50 | Geltrude Bizzarro
La coroplastica votiva del santuario settentrionale di Pontecagnano: l’evoluzione dell’artigianato locale in risposta alle esigenze devozionali

12:50 - 13:10 | Maria Elena Gorrini (Università degli Studi di Pavia)
Terracottas from Cappadocia

Discussion

Jaimee Uhlenbrock (University of New York)
THE LOGISTICS AND SOCIO-ECONOMIC IMPACT OF CONSTRUCTION IN LATE REPUBLICAN AND IMPERIAL ROME

Wednesday | 23 May | 14:30-19:00
Bonn - University | HS XV
Dominik Maschek (University of Birmingham), Ulrike Wulf-Reidt (Deutsches Archäologisches Institut)

14:30 - 14:50 | Dominik Maschek (University of Birmingham) and Ulrike Wulf-Reidt (Deutsches Archäologisches Institut)
Introduction

14:50 - 15:10 | Daniel Diffendale (University of Michigan)
Reficere aedes Fortunae et Matris: temple building at Rome in the lead-up to the Late Republic

15:10 - 15:30 | Christopher Courault (Universidad de Córdoba)
Construire une ville ex novo en Hispanie. Analyse quantitative du rempart et de l’urbanisme de Cordoue au IIème siècle av. J.-C.

15:30 - 15:50 | Pauline Ducret (Université de Paris 8)
Quantifying the building industry: a confrontation between archaeological and textual sources

15:50 - 16:10 | Dominik Maschek (University of Birmingham)
Assessing the Economic Impact of Building Projects in the Roman World: The Case of Late Republican Italy

Discussion

Coffee break

17:00 - 17:20 | Dennis Beck (Deutsches Archäologisches Institut)
Import and use of marmor Numidicum in the Late Republic and Early Imperial Period. Considering Rome and the Italian Regions

17:20 - 17:40 | Javier Á. Domingo (Pontificia Università della Santa Croce)
Una propuesta de método para la reconstrucción de los costes de los teatros: los casos de Madauros y Leptis Magna
PANEL 3.17 (DOUBLE)

DAY AND TIME:  Wednesday | 23 May | 09:00-13:30
ROOM:  Bonn - University | HS III
ORGANISER/CHAIR:  Maria Elisa Micheli (University of Urbino, Carlo Bo’)

SPEAKERS:

09:00 - 09:20  |  Laura Ambrosini (Consiglio Nazionale delle Ricerche)
Light in Antiquity: Etruria and Greece in Comparison

09:20 - 09:40  |  Małgorzata Kajzer (Jagiellonian University in Kraków)
Unity in diversity. The variety of oil lamps found in different areas of the city of Nea Paphos, Cyprus

09:40 - 10:00  |  Custode Silvio Fioriello (Università di Bari Aldo Moro)
Oil for lamps. Apulian study-cases

10:00 - 10:20  |  Manuela Broich (University of Cologne)
To be announced

10:20 - 10:40  |  Laurent Chrzanovski (International Lychnological Association)
Lighting design in Late Hellenistic and Roman period. Clay polylychnes lamps

Discussion
Coffee break

11:30 - 11:50 | Maria Elisa Micheli (Università di Urbino Carlo Bo)
Lighting design in Late Hellenistic period. Marble chandeliers from Fianello Sabino

11:50 - 12:10 | Giandomenico De Tommaso (Università di Firenze)
Lighting design with transparent effects. The glass lamps

12:10 - 12:30 | Anna Santucci (Università di Urbino Carlo Bo)
Painting lights. Light into a room, light on objects

12:30 - 12:50 | Anna Santucci (Università di Urbino Carlo Bo)
Lighting a funerary interior. The Roman Tomb N83 at Cyrene in a 3D perspective

12:50 - 13:10 | Massimo Zammerini (Università di Roma La Sapienza)
Stone, marble and glass: lighting design in the Modern and Contemporary

Discussion

Laurent Chrzanovski (International Lychnological Association)

FARMHOUSES IN MACEDONIA FROM THE 4TH CENTURY B.C. UNTIL THE ROMAN ERA: RURAL LANDSCAPE AND RURAL ECONOMY

Wednesday | 23 May | 14:30-19:00
Bonn - University | HS V

Evangelia Stefani and Polyxeni Adam-Veleni (Archaeological Museum of Thessaloniki)

14:30 - 14:50 | Polyxeni Adam-Veleni (Archaeological Museum of Thessaloniki)
The farmsteads economy on the road from Macedonia to Thrace

14:50 - 15:10 | Katerina Tzanavari (Archaeological Museum of Thessaloniki)
Family oriented farms along via Egnatia. The case of ancient Lete

15:10 - 15:30 | Evangelia Stefani (Archaeological Museum of Thessaloniki)
Farmsteads in semi-mountainous areas: aspects of the rural economy in the 4th c. BC Macedonia

15:30 - 15:50 | Evi Margaritis (The Cyprus Institute)
Rural economy in ancient Pieria: beyond self sufficiency

15:50 - 16:10 | Eleni Gerofoka (Ephorate of Antiquities of Pieria)
Analysis of the agricultural management of a Hellenistic Pieria farmhouse based on archaeological evidence and archaeological relevance

Discussion

Coffee break

17:00 - 17:20 | Eleni Klinaki (Ephorate of Antiquities of Pieria)
Currency from two farmsteads in the ancient Leivithra plains in Southern Pieria

17:20 - 17:40 | Ioanna Vassiliadou (Aristotle University of Thessaloniki)
Pierian-Macedonian pitch. A brand name agricultural product of ancient Macedonia

17:40 - 18:00 | Kostas Ketanis (University of Thessaly)
Roman control and management of the rural economy in Macedonia

18:00 - 18:20 | Angeliki Koukouvou (Archaeological Museum of Thessaloniki)
Villa rustica at the Beroia countryside (Macedonia, Greece)

Discussion
UNFINISHED DETAILS IN ANCIENT ARCHITECTURE. CONSEQUENCES OF FINANCIAL SHORTAGES, ORGANIZATIONAL CONSTRAINTS OR AESTHETIC IGNORANCE?

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS XV
Natalia Toma (Deutsches Archäologisches Institut), Frank Rumscheid (Universität Bonn)

09:00 - 09:20 | Matthias Grawehr (University of Basel)
Heben, Stemmen, Schauen. Funktionen von Buckelbossen in der antiken Architektur

09:20 - 09:40 | Therese Paulson (Stockholm University)
Polygonal columns: unfinished construction or inexpensive fashion

09:40 - 10:00 | Reinhard Heinz
Das vollendet unvollendete Mausoleum von Belevi

10:00 - 10:20 | Georg Plattner (Kunsthistorisches Museum Wien)
Intentionelle Unfertigkeit in der römisch-kaiserzeitlichen Architektur in Ephesos und Kleinasien

Discussion

Coffee break

11:30 - 11:50 | Fulvia Bianchi and Matthias Bruno
Il Complesso Severiano di Leptis Magna: il cantiere e la decorazione architettonica tra finito e non finito

11:50 - 12:10 | Natalia Toma (Deutsches Archäologisches Institut)
Effizienzstrategien kaiserzeitlicher Marmor-Bauunternehmer. Der Fall des Stadion-Osttors in Milet

12:10 - 12:30 | Ursula Quatember (Karl-Franzens-Universität Graz)
Honoring one’s Pledge? Benefactors and their Building Donations in Roman Asia Minor

12:30 - 12:50 | Ludwig Meier (Universität Heidelberg)
Schwachstelle Euergetismus? Bauunterbrechungen und Bauruinen in der inschriftlichen und der literarischen

Archaeology and Economy in the Ancient World
Überlieferung des griechischen Ostens

Discussion

ROMAN MINING: DIMENSIONS, SCALE AND SOCIAL AND TERRITORIAL IMPLICATIONS

Wednesday | 23 May | 09:00-16:30
Bonn - University | HS VII
Brais X. Currás (Coimbra University), Oscar Bonilla Santander (Universidad de Zaragoza)

09:00 - 09:20  |  Alfred Hirt (University of Liverpool)
Mining and Territory. Access to and Possession of Metal Resources in Roman Spain

09:20 - 09:40  |  F. Javier Sánchez-Palencia Ramos (Institute of History, CSIC)
“Quod effosum est, tunditur, lauatur, uritur, molitur”. Roman gold mines of Hispania: the treatment of the primary mineral

09:40 - 10:00  |  Antonio Rodríguez Fernández (Institute of History, CSIC)
Metalla publica and Mining Manpower. Instruments of Social Control in Northwestern Hispania

10:00 - 10:20  |  Beatrice Cauuet (University of Toulouse, CNRS)
Evolution and technical transfers in the Roman gold mines of Europa

10:20 - 10:40  |  Christian Rico (University of Toulouse, TRACES)
Roman mining in Cartagena (Spain). The “Cabezo del Pino” archaeological and archeometry Project (2007-2015)

Discussion

Coffee break
11:30 - 11:50 | Brais X. Currás (University of Coimbra)
*Indigenous settlements and Roman Gold Mining in Northwest Iberia: a Postcolonial approach*

11:50 - 12:10 | Rubén Rubio (Universidad de Salamanca)
*Hillforts and gold mines: the landscape of the upper Sil (Northwest Iberian Peninsula) between protohistory and the Roman world*

12:10 - 12:30 | Linda Gosner (University of Michigan)
*Mining, Mobility, and Movement: Regional and Imperial Connectivity in the Mining Landscapes of Roman Iberia*

12:30 - 12:50 | Emmanuelle Meunier (University of Toulouse, TRACES)
*Mining during the 1st c. BC in South-Western Gaul. Discussing the Roman implication from the case of the Arize Mountains district (Ariège, Pyrenees)*

12:50 - 13:10 | Oriol Olegi (Universitat Autònoma de Barcelona)
*Mining in the Roman Pyrenees, from Late Republican period to Late Antiquity*

**Discussion**

**Lunch break**

14:30 - 14:50 | Joan Oller Guzmán (Universitat Autònoma de Barcelona)
*Wadi Sikait and the emerald mining in Roman Egypt: some questions on the productive process*

14:50 - 15:10 | Dragana Mladenovic (University of Southampton)
*Roman Gold and Silver Mining in the Central Balkans and its Significance for the Roman State*

15:10 - 15:30 | Marco Conti (Sapienza, Università di Roma)
*Roman Mining in Asia Minor*

15:30 - 15:50 | Oscar Bonilla Santander (Universidad de Zaragoza)
*Ancient mining landscapes in the Iberian System (Spain)*

15:50 - 16:10 | Mátyás Bajusz (University Babes-Bolyai)
Roman quarries on the north-western border of Dacia Porolissensis
Discussion

Almudena Orejas (Instituto de Historia, CISC)

**BEYOND THE GIFT: THE ECONOMY OF ARCHAIC „GREEK COLONISATION”**

**PANEL 5.5**

**DAY AND TIME:** Wednesday | 23 May | 14:30-16:30

**ROOM:** Bonn - University | HS VIII

**ORGANISER/CHAIR:** Lieve Donnellan (VU University Amsterdam)

**SPEAKERS:**

14:30 - 14:50 | Lieve Donnellan (VU University Amsterdam)
*Beyond the gift: economic development in the Bay of Naples*

14:50 - 15:10 | Antonis Kotsonas (University of Cincinnati)
*Transport Amphorae and the Economy of Greek Colonization*

15:10 - 15:30 | Richard Posamentir (Universität Tübingen)
*Beyond the gift: Rethinking the economy of Greek archaic `colonisation’ The Black Sea perspective*

15:30 - 15:50 | Peter van Alfen (American Numismatic Society)
*(Dis)unity in the Archaic Monetary Systems of the Western Chalcidian Apoikiai*

15:50 - 16:10 | Lin Foxhall (University of Liverpool)
*Widening horizons: Greek overseas settlement and changing economic behaviours in the western Mediterranean*

**Discussion**
REGIONAL EXCHANGE OF CERAMICS– CASE STUDIES AND METHODOLOGY

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS VIII
Verena Gassner (Universität Wien)

09:00 - 09:20 | Segolene Maudet (Ecole Française de Rome)
The regional scale: a new perspective of economic anthropology on ceramic exchanges in Campania (8th-6th centuries BC)

09:20 - 09:40 | Nora Voss (University of Vienna)
Trade in the Dekapolis region

09:40 - 10:00 | Paola Vivacqua and Maria Teresa Iannelli (Superintendence for Archaeology Fine Arts and Landscape of metropolitan city of Reggio Calabria and Vibo Valentina province)
Ports and trades in central-Tyrrhenian Bruttium between II BC and II AD: the case of Vibo Valentia

10:00 - 10:20 | Barbara Borgers
Cooking vessels as indicator for regional trade in the Pontine region, central Italy

10:20 - 10:40 | Debora Oswald (Universität Hamburg)
Roman Pottery from Lilybaeum. Some remarks on imported products and transmarine contacts

Discussion

Coffee break

11:30 - 11:50 | Vincenzo Castaldo (University of Edinburgh)
Exchange and regional trade in late antique Campania: an interpretative model of distribution of vesuvian large based dishes

11:50 - 12:10 | Petya Ilieva (Bulgarian Academy of Sciences)
Between Therme and Troy: the ceramic exchange in the regional network of the Northern Aegean
12:10 - 12:30 | Torben Keßler
*Reading connectivity on decorative grounds. A GIS-based approach to investigate interregional relations in Early Iron Age Greece*

12:30 - 12:50 | Maria Trapichler (University of Vienna)
*Black - Glaze Pottery: Regional Productions and Trade between Paestum and Velia from the 5th to the late 3rd c. BC*

Discussion

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**THE PRODUCTION AND DISTRIBUTION NETWORK OF THE BAY OF NAPLES: FROM A REGIONAL TO A MEDITERRANEAN PERSPECTIVE**

**Wednesday | 23 May | 14:30-19:00**

Bonn - University | HS IX

Marco Giglio (Università degli Studi di Napoli L’Orientale), Luana Toniolo (Parco archeologico Pompei)

14:30 - 14:50 | Marco Giglio (Università degli Studi di Napoli L’Orientale) - Luana Toniolo (Parco archeologico di Pompei)
*The production and distribution network of the bay of Naples: from a regional to a Mediterranean perspective: an introduction*

14:50 - 15:10 | Marco Giglio (Università degli Studi di Napoli L’Orientale) - Luana Toniolo (Parco archeologico di Pompei)
*Pompeii as hot spot of Mediterranean trade: new datasets for the Late Republican period*

15:10 - 15:30 | Stefania Siano (Herculaneum Conservation Project)
*Campanian productions and imported pottery at Herculaneum. The ceramic assemblage coming from the excavation of the septic tank of Cardo V*

15:30 - 15:50 | Giovanni Borriello (Università degli Studi di Napoli “L’Orientale”)
*Pottery from the ancient harbour of Neapolis (1st BC – 1st AD)*
Discussion

Coffee break

17:00 - 17:20 | Gianluca Soricelli (Università del Molise)
Contesti di età augustea dal Rione Terra di Pozzuoli

17:20 - 17:40 | Diana Dobreva (University of Padova)
*Patterning campanian ceramic exchange in northern adriatic region: The coastal and inland evidence*

17:40 - 18:00 | Eleni Schindler Kaudelka (Archaeologischer Park Magdalensberg)
Vesuvian pottery imports on the Magdalensberg

18:00 - 18:20 | Marisol Madrid (Universitat de Barcelona)
*From the workshop to the table. An Archaeometric study on Campanian Black Gloss Pottery from NE Hispania*

Discussion

INGOTS OF METALS

**PANEL 5.10**

**DAY AND TIME:** Wednesday | 23 May | 17:00-19:00

**ROOM:** Bonn - University | HS VII

**ORGANISER/CHAIR:** Norbert Hanel (Ruhr-Universität Bochum)

**SPEAKERS:**

17:00 - 17:20 | Rainer Wiegels (Universität Osnabrück/Buchenbach)
*Some remarks on the gold- and silver bars of the Late Roman period*

17:20 - 17:40 | Sabine Klein (Deutsches Bergbau-Museum Bochum)
*Submerged Witnesses of the Past: Roman Copper Ingots from the Mediterranean Sea*
17:40 - 18:00 | Michael Bode (Deutsches Bergbau-Museum Bochum)
Brass trade in the Roman Empire - a lead isotope study on Roman brass ingots from Corsica

18:00 - 18:20 | Peter Rothenhöfer (DAI) - Norbert Hanel (Ruhr-Universität Bochum)
Lead Ingots and Roman Mining Activities on the Balkans

18:20 - 18:40 | Christian Rico (University of Toulouse, TRACES)
Iron Trade in the Early Roman Empire: the case study of Gallia Narbonensis

Discussion

Alfred M. Hirt (University of Liverpool)

NEW APPROACHES TO SEABORNE COMMERCE IN THE ROMAN EMPIRE

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS VI
Thomas Schmidts (Römisch-Germanisches Zentralmuseum), Martina Seifert (Universität Hamburg)

09:00 - 09:20 | Ronald Bockius (Römisch-Germanisches Zentralmuseum)
Cargo capacity & reach of voyage of ancient ships: some thoughts on interrelations of tonnage and shipshape as factors of economic seaborne trade

09:20 - 09:40 | Emilia Mataix (University of Southampton)
A bird’s-eye view: the legal side of Imperial seaborne commerce

09:40 - 10:00 | Thomas Schmidts (Römisch-Germanisches Zentralmuseum)
The inscribed seaborne commerce
10:00 - 10:20 | Martina Seifert, Julia Daum (Hamburg University)
Commerce and trade: the role of social networks and resources

10:20 - 10:40 | Joan Rodríguez Segura (Università degli Studi di Padova)
From Gades to Aquileia: the maritime trade of foodstuffs from Spain to northern Italy during the High Empire

Discussion

Coffee break

11:30 - 11:50 | Marina Maria Serena Nuovo (Sapienza University of Rome)
Ancient landscapes, ports and ships during roman times along the western adriatic coast

11:50 - 12:10 | Pascal Warnking
The Colours of Pompeii

12:10 - 12:30 | Gloriana Pace (University of Pisa)
The ancient Roman shipwrecks of Pisa within the Mediterranean seaborne commerce

12:30 - 12:50 | Michaela Reinfeld (Uni Köln / DAI)
The maritime trade network of Lycia in the context of Mediterranean merchant shipping – a bottom-up approach of the ancient economy

12:50 - 13:10 | Christoph Schäfer
Field trials with Roman vessels on Rhine, Mosel and Danube

Discussion

Archaeology and Economy in the Ancient World
ROMAN TRANSPORT SYSTEMS I: “NEW INSIGHTS ON THE ROMAN TRANSPORTATION SYSTEMS. NEW APPLICATIONS AND METHODOLOGIES FOR A BETTER UNDERSTANDING OF THE TRANSPORTATION NETWORKS AND THE MOVEMENT OF COMMODITIES”

Wednesday | 23 May | 14:30-16:30
Bonn - University | HS VI
Pau De Soto (Universidade Nova de Lisboa)

14:30 - 14:50 | Philip Verhagen and Mark Groenhuijzen (Vrije Universiteit Amsterdam)
How central are local centres? Testing archaeological hypotheses of the Dutch part of the Roman limes through spatial analysis and network science

14:50 - 15:10 | Eivind Heldaas Seland (University of Bergen)
Water and communication between Damascus and the Euphrates in the Roman period

15:10 - 15:30 | Hector Orengo (University of Cambridge)
Networking imports at a continental scale: methodological approaches and research prospects

15:30 - 15:50 | Cristina Corsi (University of Cassino and Southern Latium)
Nodes. New perspectives on road- and river-stations and communication networks in Roman Italy

15:50 - 16:10 | Pau De Soto (Universidade Nova de Lisboa)
Mercator-e. Quantifying the Roman transportation system in the Iberian Peninsula

Discussion

Koenraad Verboven (Ghent University)
ROMAN TRANSPORT SYSTEMS II: „RIVERS AND LAKES IN THE ROMAN TRANSPORT ECONOMY”

Wednesday | 23 May | 17:00-19:00
Bonn - University | HS VI
Koenraad Verboven (Ghent University)

17:00 - 17:20 | Koenraad Verboven (Ghent University)
Rivers and lakes in the Roman transport economy

17:20 - 17:40 | Allard Mees (RGZM)
Rivers and trading hubs

17:40 - 18:00 | Tyler Franconi (University of Oxford)
The environmental context of riverine trade in the Roman world

18:00 - 18:20 | Jean Paul Bravard (University Lumière - Lyon 2)
Changing rivers during the Roman period: climate and human action

18:20 - 18:40 | Wim De Clercq (Ghent University)
All rivers lead to Nehalennia. An archaeo-geological study of the votive stones and their transport routes to the sanctuaries of Colijnsplaat and Domburg

Discussion

Pau De Soto (Universidade Nova de Lisboa)
CLASSICAL FOOD AND DIET UNDER THE MICROSCOPE

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS XVI
Evi Margaritis and Efthymia Nikita (The Cyprus Institute, Science and Technology for Archaeology Research Center), Anita Radini (University of York)

09:00 - 09:20  |  Evi Margaritis (The Cyprus Institute)
On the rise of urbanism: agricultural practices, food choices and consumption in the Aegean Bronze Age at Dhaskalio

09:20 - 09:40  |  Örni Akeret and Sabine Deschler-Erb (University of Basel)
The diet at Gabii (Latium) in the Early Iron Age

09:40 - 10:00  |  C. Margaret Scarry (University of North Carolina at Chapel Hill)
Agricultural Wealth, Food Storage, and Commensal Politics at Azoria an Archaic City on Crete

10:00 - 10:20  |  Aleksandra Mistireki (Universität Zürich) - Florinda Notarstefano (Università del Salento) - Christoph Reusser (Universität Zürich)
Dietary habits and economy in the etruscan settlement of Spina (Comacchio-Ferrara)

10:20 - 10:40  |  Anna Elena Reuter (Römisch-Germanisches Zentralmuseum/CAU Kiel)
Opening a Treasury for Archaeobotanical Analysis – The Analysis of the Plant Remains from the 6th Century Granary of the City Carin Grad (Serbia)

Discussion

Coffee break

11:30 - 11:50  |  Cindy Ventura Abade (University of Sheffield)
Dental Microwear As Evidence of Human Diet In the Classical World: A Pilot Study

11:50 - 12:10  |  Marilyn McGrath (University of New Brunswick)
Into the pot!
12:10 - 12:30 | Anita Radini (University of York)
*Eat your greens: new approaches to vegetable food and spices in classical antiquity*

12:30 - 12:50 | Anastasios Zisis (Laboratory of Physical Anthropology, Democritus University of Thrace) - Sandra Lösch (Institute of Forensic Medicine, University of Bern) - Christina Papageorgopoulou (Laboratory of Physical Anthropology, Democritus University of Thrace)
*Ancient Greek colonies in Thrace: health and diet reconstruction of the first settlers*

12:50 - 13:10 | Evi Margaritis (The Cyprus Institute)
*Foodways in Classical Greece: agricultural practices, diet and the domestic at Olynthos*

**Discussion**

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**PANEL 7.3**

**BOUNDARIES ARCHAEOLOGY: ECONOMY, SACRED PLACES, CULTURAL INFLUENCES IN THE IONIAN ADRIATIC AREAS**

**DAY AND TIME:** Wednesday | 23 May | 17:00-19:00

**ROOM:** Bonn - University | HS X

**ORGANISER/CHAIR:** Enrico Giorgi and Giuseppe Lepore (Bologna University)

**SPEAKERS:**

17:00 - 17:20 | Francesco Belfiori and Sara Morsiani (University of Bologna)
*Romanization", "Economy and Rituals in Medio-Adriatic Cult Places*

17:20 - 17:40 | Enrico Giorgi (University of Bologna)
*Monterinaldo: a Roman Sanctuary in the middle of Picenum*

17:40 - 18:00 | Cecilia D’Ercole (Ecole des hautes études en sciences sociales, Ehess)
*Cults, Navigation and Maritime Practices in the Middle and Southern Adriatic (6th-2nd centuries BC)*

18:00 - 18:20 | Anna Gamberini (University of Bologna) - Lorenzo Mancini - Nadia Aleotti (University of Pavia)
*Sacred places, territorial economy, and cultural identity in northern Epirus (Chaonia)*
18:20 - 18:40  |  Atalanti Betsiou (University of Ioannina)

*Marcus Antonius and the negotiatores of Dyrrhachium*

Discussion

Luigi Maria Caliò (Università di Catania)

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**FINANCIAL RESOURCES AND MANAGEMENT IN THE SANCTUARIES IN GREECE (FiReMa)**

**Wednesday | 23 May | 09:00-16:30**

**Bonn - University | HS X**

**Annalisa Lo Monaco (Sapienza, Università di Roma)**

09:00 - 09:20  |  John Davies (University of Liverpool)

*Economics* and *the economics of cult*: can a marriage be arranged?

09:20 - 09:40  |  Peter Londey (Australian National University)

*Financing temple building at Delphi in the 6th century BC*

09:40 - 10:00  |  Rita Sassu (Sapienza, Università di Roma)

*The treasures of Athena: hoarding processes in the sanctuaries of Athens and Argos*

10:00 - 10:20  |  Spencer Pope (McMaster University) and Peter Schultz (North Dakota State University)

*The Management and Location of Public Treasures in Athens in the Fifth Century BC*

10:20 - 10:40  |  Valentina Mussa (Paris Sorbonne, Paris IV)

*Economical officials and management of attic sanctuaries in classical Athens*
Discussion

Coffee break

11:30 - 11:50 | Manuela Mari (University of Cassino and Southern Latium)
Sacred goods and local conflicts in Hellenistic Macedonia

11:50 - 12:10 | Elisabetta Interdonato (Université Charles de Gaulle Lille 3)
Fundraising systems and management of the revenues in sacred spaces: the case of the Asklepieion of Kos

12:10 - 12:30 | Véronique Chankowski (Université Lyon 2)
Sanctuaries and banking activities: changes from the Hellenistic world to Roman influences

12:30 - 12:50 | Elena Muñiz
Who paid for imperial cult? Financial resources for the cult of the emperors in the Greek cities of the Roman Empire

12:50 - 13:10 | Francesco Camia (Sapienza Università di Roma)
The economic side of Greek festivals: some examples from Roman Greece

Discussion

Lunch break

14:30 - 14:50 | Stefano Caneva (Université de Liège)
Hellenistic cultic foundations for the dead: Civic, royal, individual, and groups’ initiatives in interaction

14:50 - 15:10 | Sven Schipporeit (Universität Wien)
Frauen und die Finanzierung griechischer Heiligtümer

15:10 - 15:30 | Annalisa Lo Monaco (Sapienza, Università di Roma)
I mercati degli dei. Agorai e vendita al dettaglio nei santuari in Grecia

15:30 - 15:50 | Stavros Vlizos (Ionian University)
Metal workshops, production and the sanctuary infrastructure: the case of the Spartan Amyklaion

Discussion
# Panel 7.6: The Economy of Palmyrene Burial and Death

**Day and Time:** Wednesday | 23 May | 17:00-19:00  
**Room:** Bonn - University | HS VIII  
**Organiser/Chair:** Rubina Raja (Aarhus University)

**Speakers:**
- **17:00 - 17:20** | Rubina Raja (Aarhus University)  
  *Production processes: The relationship between tomb architecture and the funerary portraiture*
- **17:20 - 17:40** | Julia Steding (Aarhus University)  
  *Tracing production processes in the Palmyrene funerary sculpture*
- **17:40 - 18:00** | Olympia Bobou - Christian Svejgaard Lunde Jørgensen (Aarhus University)  
  *Foreshortening or sculpture trait? Placement of loculi reliefs inside Palmyrene tombs*

**Discussion**

**External Discussant:** Dietrich Boschung (Universität zu Köln)

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# Panel 7.8: Consumption of Local and Imported Goods in Palæstina in Roman and Byzantine Times

**Day and Time:** Wednesday | 23 May | 17:00-19:00  
**Room:** Bonn - University | HS XII  
**Organiser/Chair:** Jon Seligman and Itamar Taxel (Israel Antiquities Authority)

**Speakers:**
- **17:00 - 17:20** | Jon Seligman (Israel Antiquities Authority)  
  *Production and Consumption in the Hinterland of Jerusalem in the Byzantine Period*
- **17:20 - 17:40** | Jacob Ashkenazi (Kinneret College on the Sea of Galilee)
### The Contribution of Monks and monasteries to Rural Economy in Late antiquity: The Galilean Test Case

17:40 - 18:00 | Guy Stiebel (Tel Aviv University)
*The Taste Case of Masada – from Noble Cuisine to the Diet of Refugees*

18:00 - 18:20 | Lihi Habas (The Hebrew University of Jerusalem)
*Imported Marble and Local Production of Liturgical Furniture in the Negev: A Case Study*

18:20 - 18:40 | Rivka Gersht (Tel Aviv University and Oranim College of Education)
*Architectural Decoration in Roman and Late Antique Caesarea Maritima: Production, Importation and Reuse*

18:40 - 19:00 | Itamar Taxel (Israel Antiquities Authority)
*Reuse and Recycling of Architectural Elements and Stone Objects in the Countryside of Late Antique Palestine*

**Discussion**

### THE ECONOMICS OF URBANISM IN THE ROMAN EAST

**DAY AND TIME:** Wednesday | 23 May | 17:00-19:00

**ROOM:** Bonn - University | HS XIV

**ORGANISER/CHAIR:** Rinse Willet (Leiden University)

### SPEAKERS:

17:00 - 17:20 | Rinse Willet (Leiden University)
*The nature of ‘the town’ in the Roman East and the case of Anatolia*

17:20 - 17:40 | Michalis Karambinis
*Urban Networks in Early Roman Greece*

17:40 - 18:00 | Damjan Donev (Leiden University)
*Aspects of Roman urbanism in the Hellenistic Balkans*

18:00 - 18:20 | Paul Kloeg
Roman settlement patterns in the Near East
18:20 - 18:40 | Tønnes Bekker-Nielsen (University of Southern Denmark)

Roman urbanism in the Pontic frontier zone
Discussion
Tønnes Bekker-Nielsen (University of Southern Denmark)

THE ECONOMICS OF URBANISM IN THE ROMAN WEST
Wednesday | 23 May | 14:30-16:30
Bonn - University | HS XIV

Matthew Hobson (Leiden University)

14:30 - 14:50 | Frida Pellegrino
Models of settlement hierarchy: an evaluation of regional case-studies in selected areas of the North-Western provinces

14:50 - 15:10 | Karolien Pazmany (University of Leiden)
Between mountains and frontiers. The roman urban settlement system in the northern Alpine region

15:10 - 15:30 | Pieter Houten (Universiteit Leiden)
Urban Pattern on the Iberian Peninsula in the High Empire

15:30 - 15:50 | Matthew Hobson (University of Leicester)
The Settlement Hierarchy of Roman North Africa
Discussion
Tønnes Bekker-Nielsen (University of Southern Denmark)

JUDAEA/PALAESTINA AND ARABIA: CITIES AND HINTERLAND IN ROMAN AND BYZANTINE TIMES

Wednesday | 23 May | 09:00-16:30
Bonn - University | HS XI

Achim Lichtenberger (Universität Münster), Oren Tal (Tel Aviv University), Zeev Weiss (Hebrew University of Jerusalem)

09:00 - 09:20  |  Shlomit Weksler-Bdolah (Israel Antiquities Authority)
Aelia Capitolina - The Roman Colony and its Periphery

09:20 - 09:40  |  Boaz Zissu (Bar Ilan University, Israel)
The Hinterland of Beth Guvrin–Eleutheropolis: Pagans, Jews and Christians during the Late Antiquity

09:40 - 10:00  |  Zeev Weiss (The Hebrew University of Jerusalem)
Sepphoris: The City and Its Hinterland (Khôra) in Roman Times

10:00 - 10:20  |  Peter Gendelman (Israel Antiquity Authority)
Caesarea Maritima View from Outside: The Periphery of the Roman and Byzantine Metropolis.

10:20 - 10:40  |  Oren Tal (Tel Aviv University)
Apollonia-Arsuf/Sozousa: Its Immediate Hinterland and Periphery in Byzantine Times

Discussion

Coffee break

11:30 - 11:50  |  Achim Lichtenberger (Westfälische Wilhelms-Universität) and Rubina Raja (Aarhus University)
Gerasa: The City and the wadi
11:50 - 12:10 | Gabriel Mazor (Israel Antiquities Authority)
Nysa-Scythopolis capital of Palaestina Secunda and its Cultural, Religious and Ethnic Hinterland
12:10 - 12:30 | Michael Eisenberg (University of Haifa)
Antiochia Hippos and Its Territorium during the Roman Period
12:30 - 12:50 | Claudia Bührig (DAI)
Gadara and its hinterland
Discussion
Lunch break
14:30 - 14:50 | Christian Schöne (University of Cologne)
Elusa (Haluza) – Urban Development and Economy of a City in the Desert
14:50 - 15:10 | Will Kennedy (Humboldt-Universität zu Berlin/ Excellence Cluster Topoi)
A Cultural Landscape Characterization of the Petraean Hinterland in Nabataean-Roman Times. An Overview
15:10 - 15:30 | Nicolò Pini (University of Bonn)
Semi-urban or semi-rural settlements: a new definition of urban centres required?
15:30 - 15:50 | Joseph Patrich (Hebrew University in Jerusalem)
The City and its Territory – The Case of Caesarea Maritima
Discussion
Moshe Fischer (Tel Aviv University)
FROM SPLENDIDISSIMA CIUITAS TO OPPIDUM LABENS: FINANCIAL PROBLEMS AND MATERIAL RUIN IN ROMAN PROVINCIAL CITIES AT THE END OF THE HIGH-EMPIRE

Wednesday | 23 May | 09:00-16:30
Bonn - University | HS XI
Javier Andreu Pintado (Universidad de Navarra)

SPEAKERS:

09:00 - 09:20 | Laurent Brassous (University of La Rochelle)
Resources of wealth in the cities of the Roman Spain: approaching to the change of urban model

09:20 - 09:40 | Claudia Garía Villaba (Universidad de Zaragoza)
The decline of imperial propaganda. The end of the classical city and its honorary statuary programs

09:40 - 10:00 | Aitor Blanco (Universidad de Navarra)
Imperial Responses to urban Crisis in the Roman Empire: A Conceptual Approach

10:00 - 10:20 | David Espinosa-Espinosa (University of Santiago de Compostela)
From „splendidissimae urbes“ to „infrae ciuitates“. On the crisis of the Roman city model during the High Empire in the Western provinces and its legal-administrative and institutional factors

Discussion

Coffee break

11:30 - 11:50 | Pilar Diarte-Blasco (Universidad de Alcalá)
The end of the process: a changing urban model in Hispania – from classical to late antique

11:50 - 12:10 | Maria Ruiz del Arbol Moro (Instituto de Historia, CSIC)
Not islands in the landscape. Environmental and territorial transformations linked to the material ruin of provincial cities: the case study of Los Bañales

12:10 - 12:30 | Diego Romero Vera (Université Bordeaux Montaigne)
Murallas, calles y cloacas. Indicadores del vigor urbano en la ciudad hispanorromana de época antonina

Archaeology and Economy in the Ancient World
12:30 - 12:50  | Felix Teichner
The Municipium Flavium Mirobrigense – an example of the false start of urbanisation in Roman Lusitania?

Discussion

Lunch break

14:30 - 14:50  | Pepita Padros and Clara Forn (Museu de Badalona)
The Urban Transformations in the Roman Town of Baetulo from the Flavian Period

14:50 - 15:10  | Tamara Peñalver (Universitat de València)
Lucentum: the decline of the city through its domestic architecture

15:10 - 15:30  | Inmaculada Delage González (Universidad de Navarra)
Roman common ware and the issue of transition, crisis and discontinuity in urban building programs at the end of 2nd century AD and the beginning of 3rd century AD, the case of Los Bañales (Uncastillo, Zaragoza, Spain)

15:30 - 15:50  | Luis Romero Novella (Universidad de Navarra)
El foro romano de Los Bañales (Uncastillo, Zaragoza): Construcción, reformas y amortización de un forum del conuentus Caesarugustanus

15:50 - 16:10  | Alessandro Alessio Rucco
Claterna (Bologna, Italy): crisis and transformation of a municipium between II and III century A.D.

16:10 - 16:30  | Mario Gutiérrez-Rodríguez (Universidad de Granada)
Site formation processes and urban transformations during Late Antiquity from a high-resolution geoarchaeological perspective: Sedimentary contexts of Vrbes Baeticae

Discussion

Aitor Blanco (Universidad de Navarra)
THE NUMIDIAN COUNTRY AND ITS COMMERCIAL AND ECONOMIC OPENING ON THE MEDITERRANEAN BASIN AND ITS SOUTHERN PROLONGATION

**Day and Time:** Wednesday | 23 May | 09:00-11:00

**Room:** Bonn - University | HS XIV

**Organiser/Chair:** Khaoula Bennour (Faculty of Human and Social Science of Tunis)

**Speakers:**

- 09:00 - 09:20 | Estefanía Alba Benito Lázaro (Universidad Complutense de Madrid)
  - ¿“Carros garamantes”? Relaciones económicas entre las poblaciones locales norteafricanas en el contexto de la confederación númida

- 09:20 - 09:40 | Slimani Souad (Université Constantine 2)
  - Transhumance ways and economic issues in southern Numidia Example of Hodna

- 09:40 - 10:00 | Meg Moodie (University of Edinburgh)
  - Tombs of trade: periodic markets and megalithic tombs in the ancient Maghreb.

- 10:00 - 10:20 | Hanane Kherbouche (Université Constantine 2)
  - La verrerie préromaine en Numidie: Echange commercial et échange de savoirs faire

- 10:20 - 10:40 | Khaoula Bennour (Faculty of Human and Social Science of Tunis)
  - The numidian country and its commercial and economic opening on the Mediterranean basin and its southern prolongation

**Discussion**

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THE ECONOMY OF HELLENISTIC, ROMAN AND LATE ANTIQUE NORTH AFRICA: LINKING TOWN AND COUNTRY

**Day and Time:** Wednesday | 23 May | 11:30-13:30

**Room:** Bonn - University | HS XIV

**Organiser/Chair:** Silvia Polla (Freie Universität Berlin), Mariette De Vos (Università degli Studi di Trento)
109

11:30 - 11:50  |  David Mattingly (University of Leicester)
The Pre-Roman origins and inter-relationships of urbanisation and agriculture in North Africa

11:50 - 12:10  |  David Stone (University of Michigan)
Linked Economies: Regional Networks and North African Urbanism

12:10 - 12:30  |  Andrew Dufton (New York University)
Everywhere the people: an archaeological approach to population growth in Roman North Africa

12:30 - 12:50  |  Moheddine Chaouali (Institut National du Patrimoine de Tunis) - Heike Möller (Deutsches Archäologisches Institut)
Simitthus/Chimtou: A manifold approach of economical questions regarding the city and its environment in Roman and Late Antique times

12:50 - 13:10  |  Moncef Ben Moussa (Musée National du Bardo, Tunis)
Archaeological excavations in a pottery workshop of Pheradi Maius, Sidi Khlifa - Tunisia

Discussion

Philipp von Rummel (Deutsches Archäologisches Institut) and Andrew Dufton

TRANFORMATION OF RURAL LANDSCAPES IN THE ROMAN AND LATE ANTIQUE WEST

17:00 - 17:20  |  Luis Gutiérrez Soler (Universidad de Jaén)
The transformation of the Giribaile-Baessuci landscape in the hinterland of Cástulo (Jaén, Spain)
17:20 - 17:40 | Isabel Sanchez Ramos (Autónoma University of Madrid)
**Late antique and medieval landscape in the Guadiana valley. The Roman villa of „La Dehesa de la Cocosa“ (Badajoz, Spain)**

17:40 - 18:00 | Isabel Sanchez Ramos (Autonoma University of Madrid)
**Sacred landscapes in the Hinterland of Toledo (Spain) during the late antiquity (6th-7th centuries)**

18:00 - 18:20 | Javier Salido (Universidad Complutense de Madrid)
**From the villae and villages: The Grain production in the Roman Spain**

18:20 - 18:40 | Marion Dessaint (Paris 1 Panthéon-Sorbonne)
**Durocortorum and the Remi territory: dynamics and evolution of the economic relationships between the capital of a roman province and its territory**

**Discussion**

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**RURAL BUILDINGS AND VILLAS IN ITALY**

**DAY AND TIME:**
Friday | 25 May | 17:00-19:00

**ROOM:**
Bonn - University | HS I

**CHAIR:**
Günther Schörner (University Vienna)

**SPEAKERS:**

17:00 - 17:20 | Norberto Luiz Guarinello (University of São Paulo)
**Rural buildings in Roman Italy (II BC - I AD)**

17:20 - 17:40 | Martin Tombrägel (Eberhard Karls Universität Tübingen)
**The Villa Metro Anagnina**

17:40 - 18:00 | Alessia Morigi (Università di Parma)
**Pars fructuaria. Nuovi dati dagli scavi della Villa di Teodorico (Galeata, FC – Italia) sugli impianti artigianali e produttivi delle ville urbano-rustiche dell’appennino romagnolo**
18:00 - 18:20  |  Gloriana Pace (University of Pisa) and Sara Lenzi (University of Florence)
Production from destruction: change of value of the recycled decoration. The Roman villa of Aiano-Toraccia di Chiusi
Discussion

THE RURAL FOUNDATIONS OF THE ROMAN ECONOMY. NEW APPROACHES TO ROME’S ANCIENT COUNTRYSIDE FROM THE ARCHAIC TO THE EARLY IMPERIAL PERIOD.

Wednesday | 23 May | 09:00-13:30
Bonn - University | HS XIII
Peter Attema (University of Groningen), Gabriele Cifani (Tor Vergata, Rome), Günther Schörner (University of Vienna)

09:00 - 09:20  |  Gabriele Cifani (Università degli studi di Roma “Tor Vergata“)
The rural economy of early Rome

09:20 - 09:40  |  Peter Attema (University of Groningen)
The Pontine Region from Archaic to Imperial times: settlement, economy, demography

09:40 - 10:00  |  Stephen Collins-Elliott (University of Tennessee)
Measuring Rural Economic Development through Categorical Data Analysis in Southern Etruria and Latium (400 BCE – 50 CE)

10:00 - 10:20  |  Simon Stoddart and Letizia Ceccarelli (University of Cambridge)
Incorporation into the Roman world: rural settlement and production on the frontier between Etruria and Umbria.

10:20 - 10:40  |  Alessandro Launaro (University of Cambridge)
A view from the margins: Interamna Lirenas and its territory in the long-term

Discussion
Coffee break

11:30 - 11:50 | Veronika Schreck and Günther Schörner (University of Vienna)
Production and trade in Late Republican and Imperial Inland Etruria: Integrating archaeological and archaeometric results of the Val di Pesa and Val Orme-Project

11:50 - 12:10 | Anna Maria Mercuri (Università di Modena e Reggio Emilia)
Peasants, agriculture and the local economies of Roman central Italy (1st BC-5th AD)

12:10 - 12:30 | José Ernesto Moura Knust (Instituto Federal Fluminense)
Far from the walls. Explaining rural settlement dispersal within Roman, Mediterranean and Global frameworks.

Discussion

Willem Jongman (University of Groningen)

NEW VIEWS FOR OLD CITIES: SETTLEMENT, SURVEY, AND LEGACY DATA TOWARDS A HOLISTIC ECONOMY OF THE CITY AND COUNTRYSIDE

Wednesday | 23 May | 14:30-16:30
Bonn - University | HS XIII
Andrew Cabaniss and Troy Samuels (University of Michigan)

SPEAKERS:

14:30 - 14:50 | Maeve McHugh (University of Birmingham)
From farm to fork: micro-regional agricultural economy in Classical Attica

14:50 - 15:10 | Matthew Mandich (ISAR)
An Interconnected Economy: Urban Expansion and Land Use Succession in Rome and its Environs
15:10 - 15:30  | Laura Surtees (Bryn Mawr College)
*Connecting the Sherds: Understanding the urban economy of Kastro Kallithea in Thessaly (Greece) through excavation and survey data*

15:30 - 15:50  | Benedikt Grammer (University of Vienna)
*Integration of remote sensing, survey and archival data in the exploration of the hinterland of Carnuntum*

15:50 - 16:10  | Caterina Ingoglia (Università di Messina)
*Archaeology in Central Sicily: the example of Troina (EN), integrating city and territory*

**Discussion**

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**GEOCHEMISTRY AND ECONOMIC HISTORY: APPROACHING CERAMIC PRODUCTIONS IN ANCIENT TIMES WITH PORTABLE ED-XRF**

**Wednesday | 23 May | 17:00-19:00**

**Bonn - University | HS XIII**

**Organiser/Chair:** Lars Heinze (University of Cologne), Markus Helfert (University of Frankfurt)

**Speakers:**

17:00 - 17:20  | Elena Cuijpers (University of Bonn)
*The production and distribution of tiles in Classical Chalkidiki: a geochemical analysis of clay samples, excavation and survey material with portable XRF*

17:20 - 17:40  | Silvia Amicone (University of Tübingen)
*Pottery Consumption in the Chora of Gela: The Case of the ’Fattorina Officina’ of Manfria*

17:40 - 18:00  | Anno Hein (Institute of Nanoscience and Nanomaterials, N.C.S.R. “Demokritos”)
*Portable ED-XRF as tool for defining the sampling strategy – Case study of a Hellenistic amphora assemblage from Paphos (Cyprus)*

18:00 - 18:20  | Markus Helfert (Goethe-Universität Frankfurt am Main)
Discovering ceramic production and consumption at Olbia Pontike in archaic and classical time – Application of portable ED-XRF and laboratory INAA for Greek Grey Ware

18:20 - 18:40 | Lars Heinze (University of Cologne)
CeramEgypt: Pottery production and consumption in Hellenistic and Roman Egypt

Discussion

COMPUTATIONAL APPROACHES TO CLASSICAL ARCHAEOLOGY

Wednesday | 23 May | 17:00-19:00
Bonn - University | HS IV
Eleftheria Paliou (University of Cologne)

17:00 - 17:20 | Evan Levine (Brown University)
Integrating legacy and modern remote sensing data for the study of land-use history on Samothrace

17:20 - 17:40 | Katherine A. Crawford (University of Southampton)
A Landscape of Gods? Reassessing the Study of Processional Movement at Ostia

17:40 - 18:00 | John Hanson (University of Colorado)
Complex systems theory, construction, and the economies of ancient settlements

18:00 - 18:20 | Michael Loy (University of Cambridge)
Quantifying the unquantifiable: Bayesian analysis of uncertain economic networks

18:20 - 18:40 | Antoni Martín i Oliveras (Universitat de Barcelona) - Iza Romanowska (BSC-Barcelona Supercomputing Center)
Reconstructing laetanian roman wine economy using agent-based modelling (1st century BC-3rd century AD)

Discussion
AIAC-ROUND TABLE DISCUSSION. DIVERSITY IN THE PAST: DIVERSITY IN THE PRESENT? ISSUES OF GENDER, WHITENESS, AND CLASS IN ‘CLASSICAL’ ARCHAEOLOGY

Wednesday | 23 May | 14:30-16:30
Bonn - University | HS I
Eva Mol (Brown University, Lisa Lodwick (Oxford University)

14.30 - 14.40 | Eva Mol and Lisa Lodwick
Introduction

14.40 - 14.55 | Birgitta Hoffmann
Gender imbalance in Roman army studies

14.55 - 15.10 | Ingrid Berg (Stockholm University)
A case study on Swedish archaeology in Greece, aimed at how archaeology functioned as a culturally situated practice, imbued with 19th century values on race, gender and class

15.10 - 15.25 | Naoise Mac Sweeney (University of Leicester)
The Greco-Roman world in current political rhetoric, and implications for racial diversity in the discipline

15.25 - 15.40 | Matthew Mandich (ISAR)
Classical Archaeology, demographic diversity, issues of whiteness in teaching and approaches to increasing multicultur- alism in fieldwork

15.40 - 16.30 | Discussion
24 MAY, THURSDAY
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<tr>
<th>Time</th>
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| 09:00-11:00 | **Panel 3.24 | Part 1**  
*Quantifying Ancient building economy*  
Organiser/Chair: C. Recko, M. Heinzelmann  
Details: p. 125-126 | **Panel 5.15 | Part 1**  
*Greek and Etruscan Vases: Shapes and Markets*  
Organiser/Chair: D. Paleothodoros  
Details: p. 135 | **Panel 3.18**  
*Strictly economic? Ancient Serial Production and its Premises*  
Organiser/Chair: A. Reinhardt  
Details: p. 124-125 | **Panel 5.9 | Part 1**  
*Economy and Cultural Contact in the Mediterranean Iron Age*  
Organiser/Chair: M. Guggisberg, M. Grawehr  
Details: p. 130 |
| 11:30-13:30 | **Panel 3.24 | Part 2**  
*Quantifying Ancient building economy*  
Organiser/Chair: C. Recko, M. Heinzelmann  
Details: p. 125-126 | **Panel 5.15 | Part 2**  
*Greek and Etruscan Vases: Shapes and Markets*  
Organiser/Chair: D. Paleothodoros  
Details: p. 136 | **Panel 3.26**  
*Serial production*  
Chair: F. Rumscheid  
Details: p. 126-127 | **Panel 5.9 | Part 2**  
*Economy and Cultural Contact in the Mediterranean Iron Age*  
Room: Bonn - University | HS IV  
Details: p. 131 |
| 14:30-16:30 | **Panel 5.13**  
*Networks at Work: Trade and Transport of Roman Building Materials in the Mediterranean*  
Organiser/Chair: L. Lancaster  
Details: p. 133-143 | **Panel 5.6**  
*Distribution of Greek vases*  
Chair: A. Shapiro  
Details: p. 130 | **Panel 3.25**  
*Production of tiles and bricks*  
Details: p. 126 | **Panel 5.9 | Part 3**  
*Economy and Cultural Contact in the Mediterranean Iron Age*  
Organiser/Chair: M. Guggisberg, M. Grawehr  
Details: p. 132 |
| 17:00-19:00 | **POSTER SESSION**                                |                                                |                                                |                                                |
Panel 6.3 | Part 1
Textiles and Fashion in Antiquity
Organiser/Chair: M. Harlow
Details: p. 137

Panel 6.3 | Part 2
Textiles and Fashion in Antiquity
Organiser/Chair: M. Harlow
Details: p. 138

Panel 6.3 | Part 3
Textiles and Fashion in Antiquity
Organiser/Chair: M. Harlow
Details: p. 138

Panel 5.12
Revisiting the Roles of Roman Mediterranean Ports
Organiser/Chair: S. Keay
Details: p. 132-133

Panel 5.14
Trade and Commerce in the Harbour Town of Ostia
Organiser/Chair: A. Landskron
Details: p. 134-135

Panel 8.1
The storage in urban economy: Rome and its ports
Organiser/Chair: E. Bukowiecki, M. Mimmo
Details: p. 141-142

Panel 4.2 | Part 1
Mining Landscapes
Organiser/Chair: F. Hulek, S. Nomicos
Details: p. 127

Panel 4.2 | Part 2
Mining Landscapes
Organiser/Chair: F. Hulek, S. Nomicos
Details: p. 128

Panel 4.2 | Part 3
Mining Landscapes
Organiser/Chair: F. Hulek, S. Nomicos
Details: p. 128

Panel 1.3 | Part 1
Making Value and the Value of Making: Theory and Practice in Craft Production
Organiser/Chair: R. Da Vela
Details: p. 122

Panel 1.3 | Part 2
Making Value and the Value of Making: Theory and Practice in Craft Production
Organiser/Chair: R. Da Vela
Details: p. 122-123

Panel 5.1
The Friction of Connectivity – Greco-Roman trade in archaeology and texts
Organiser/Chair: P. Bang, M. Lawall, J. Lund
Details: p. 129

Panel 5.18
Trust, Branding and Fakes in the ancient World
Organiser/Chair: A. Slawisch
Details: p. 136-137
### Programme

#### Room HS X

**09:00-11:00**

**Panel 7.7 | Part 1**
**Can the city afford that god?**
Organiser/Chair: A.-K. Rieger J. Stoger
Details: p. 140

**Panel 12.6**
**Sanctuaries and ritual**
Chair: M. Arnhold
Details: p. 152-153

#### 11:30-13:30

**Panel 7.7 | Part 2**
**Can the city afford that god?**
Organiser/Chair: A.-K. Rieger J. Stoger
Details: p. 141

**Panel 8.2 | Part 2**
**Agrigento: Archaeology of an ancient city. Urban form, sacred and civil spaces, productions, territory**
Organiser/Chair: L. Caliò and G. Lepore
Details: p. 143

#### Room HS XI

**09:00-11:00**

**Panel 8.2 | Part 1**
**Agrigento: Archaeology of an ancient city. Urban form, sacred and civil spaces, productions, territory**
Organiser/Chair: L. Caliò and G. Lepore
Details: p. 142

**Panel 8.16**
**City and territory in ancient Sicily**
Chair: E. Kistler
Details: p. 145-146

#### 11:30-13:30

**Panel 8.15 | Part 2**
**Crisis on the margins of the Byzantine Empire: Bio-archaeological approaches to resilience and collapse in the Negev Desert**
Organiser/Chair: G. Bar-Oz, L. Weissbrod
Details: p. 145

**Panel 14.6**
**Sanctuaries and ritual**
Chair: M. Arnhold
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#### Room HS XII

**09:00-11:00**

**Panel 8.15 | Part 1**
**Crisis on the margins of the Byzantine Empire: Bio-archaeological approaches to resilience and collapse in the Negev Desert**
Organiser/Chair: G. Bar-Oz, L. Weissbrod
Details: p. 144

**Panel 8.15 | Part 3**
**Crisis on the margins of the Byzantine Empire: Bio-archaeological approaches to resilience and collapse in the Negev Desert**
Organiser/Chair: G. Bar-Oz, L. Weissbrod
Details: p. 145

#### 11:30-13:30

**Panel 9.2 | Part 1**
**Strapped for cash: needy soldiers, reluctant authorities**
Organiser/Chair: I. Panagiotis, E. Markou
Details: p. 148

**Panel 9.2 | Part 2**
**Strapped for cash: needy soldiers, reluctant authorities**
Organiser/Chair: I. Panagiotis, E. Markou
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#### Room HS XIII

**09:00-11:00**

**Panel 9.2 | Part 1**
**Strapped for cash: needy soldiers, reluctant authorities**
Organiser/Chair: I. Panagiotis, E. Markou
Details: p. 148

**Panel 9.1**
**The production of military equipment – fabricae, private production and more**
Organiser/Chair: S. Hoss
Details: p. 147

**Panel 9.1**
**The production of military equipment – fabricae, private production and more**
Organiser/Chair: S. Hoss
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**Poster Session**
### Room HS XIV

**Panel 12.4 | Part 1**

**Targeting economic and cultural hotspots: an alternative view on early Roman expansionism**

Organiser/Chair: T. Stek
Details: p. 150

**Panel 12.4 | Part 2**

**Targeting economic and cultural hotspots: an alternative view on early Roman expansionism**

Organiser/Chair: T. Stek
Details: p. 151

**Panel 12.4 | Part 3**

**Targeting economic and cultural hotspots: an alternative view on early Roman expansionism**

Organiser/Chair: T. Stek
Details: p. 152

### Room HS XV

**Panel 12.2**

**Communicating Archaeology in the Digital Era**

Chair: E. Paliou
Details: p. 149

**Panel 12.7**

**Idalion**

Chair: G. Papantoniou
Details: p. 153

### Room HS XVI

**Panel 12.3**

**Beyond Academia: Classical sites and local communities**

Organiser/Chair: J. Martínez Jiménez, M. Moreno Alcaide
Details: p. 149-150

**Panel 8.19**

**Economy of Judaea-Palestine**

Chair: S. Hoss
Details: p. 146-147

**Panel 12.9**

**From Hellenistic to Roman times: trade relations, cultural exchanges and funerary practices in the Southern Illyria**

Organiser/Chair: M. Castiglione, M. Pilutti Namer
Details: p. 123-124

### AKM

**Workshop 'Isotope analysis in Classical Archaeology'**

Organiser: R. Fernandes
Details: p. 234

**Workshop 'Ontology-based data access (OBDA) for classical archaeological and historical data: the EPNET experience'**

Organiser: A. Mosca
Details: p. 235

### POSTER SESSION
**PANEL 1.3 (DOUBLE)**

**THE ECONOMIC CONTRIBUTION OF MIGRANTS TO ANCIENT SOCIETIES. TECHNOLOGICAL TRANSFER, INTEGRATION, EXPLOITATION AND INTERACTION OF ECONOMIC MENTALITIES**

**DAY AND TIME:** Thursday | 24 May | 09:00-13:30

**ROOM:** Bonn - University | HS VIII

**ORGANISER/CHAIR:** Raffaella Da Vela (University of Leipzig)

**SPEAKERS:**

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<tbody>
<tr>
<td>09:00 - 09:20</td>
<td>Lukas Bohnenkämper (Universität Basel)</td>
<td><em>Down to the river for pay - Migrant workforce in Middle Kingdom Egypt</em></td>
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<tr>
<td>09:20 - 09:40</td>
<td>Kewin Peche-Quilichini (Univ. Paul-Valéry Montpellier, CNRS) and Laura Pagliantini (Università degli Studi di Foggia)</td>
<td><em>Migrations and economical interactions in the North Tyrrenian basin (1500 BC – 100 AD): the examples of Corsican and Elban detroits</em></td>
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<td>09:40 - 10:00</td>
<td>Jeremy Hayne</td>
<td><em>Phoenician migrants? interactions and integrations at Nuraghe S’Urachi, West Sardinia</em></td>
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<tr>
<td>10:00 - 10:20</td>
<td>Marion Bolder Boos (Technische Universität Darmstadt)</td>
<td><em>Trading trinkets for silver? Some thoughts on the Phoenicians’ economic impact on indigenous societies in Iberia</em></td>
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<tr>
<td>10:20 - 10:40</td>
<td>Alexander Boix (University of Bonn)</td>
<td><em>Migration of Athenian Potters and Painters in the Late 5th Century BC</em></td>
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**Discussion**

**Coffee break**

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<th>Time</th>
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<tr>
<td>11:30 - 11:50</td>
<td>Heba Abd el Gawad (Helwan University)</td>
<td><em>Integration, exploitation or everything in between?: Greek immigrants and the economic negotiations in Ptolemaic Egypt</em></td>
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<tr>
<td>11:50 - 12:10</td>
<td>Simeon Tzonev (University of Basel)</td>
<td><em>Neue Beobachtungen zur graeco-ägyptischen Plastikherstellung</em></td>
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</table>
12:10 - 12:30 | Raffaella Da Vela (Universität Leipzig)
*Consumption Behaviors and Economic Mentalities of Migrants in Late Hellenistic Etruria*

12:30 - 12:50 | Hale Guney (University of Cologne)
*The Impact of Migrant Communities from Asia Minor in the Balkan Provinces during the Roman Period: The cases of Bithynia and Galatia*

12:50 - 13:10 | Jan Bulas (Jagiellonian University in Kraków)
*Migrants from the north in the Tisa Basin, in the Roman period. Trade, conflict and politics*

**Discussion**

**WOMEN AND MEN AT WORK! ENTREPRENEURS, ATELIERS AND CRAFTSMEN IN THE CONSTRUCTION AND DESTRUCTION OF ROMAN TOMBS**

**Thursday | 24 May | 14:30-16:30**

**Bonn - University | HS XV**

**Organiser/Chair:**

Marianna Castiglione (Università di Pisa), Myriam Pilutti Namer (Scuola Normale Superiore)

**Speakers:**

14:30 - 14:50 | Marianna Castiglione (University of Pisa)
*Working in/for Pompeian funerary contexts: business, craftsmanship and customers*

14:50 - 15:10 | Stefania Tuccinardi (Università di Napoli Federico II)
*Mausolei a pianta circolare in Campania: progetti, architetti e officine tra l’età cesariana e la prima età giulio-claudia*

15:10 - 15:30 | Fanny Opdenhoff
*Sculpting his own Grave? Artefice and craftsmanship in Tombstones from Bordeaux*

15:30 - 15:50 | Anna Bartol (University of Warsaw)
*Funerary gardens in Roman province of Lycia and Pamphilia – the process of setting and the utilitarian aspect*
15:50 - 16:10 | Myriam Pilutti Namer (Scuola Normale Superiore)
*The afterlife of stones after the disruption of Roman tombs in late Antiquity and Middle Ages*

Discussion

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**PANEL 3.18**

**STRICTLY ECONOMIC? ANCIENT SERIAL PRODUCTION AND ITS PREMISES**

**DAY AND TIME:** Thursday | 24 May | 09:00-11:00

**ROOM:** Bonn - University | HS III

**ORGANISER/CHAIR:** Arne Reinhardt (Universität Heidelberg)

**SPEAKERS:**

09:00 - 09:20 | Simona Perna
*A Case of Serial Production? Julio-Claudian “tureen” funerary urns in calcitic alabaster and other coloured stone*

09:20 - 09:40 | Manuel Flecker (Eberhard Karls Universität Tübingen)
*Die Werkstatt des M. Perennius und die Entwicklung von serieller Produktion reliefverzierter arretinischer Sigillata*

09:40 - 10:00 | Christoph Klose (Friedrich-Schiller-Universität Jena)
*Seriality and Restoration: The ‘Restored Coins’ of the Roman Empire*

10:00 - 10:20 | Mariachiara Franceschini (Universität Zürich)
*Ikonographische Serien in der attischen Vasenmalerei: Technische Vereinfachung oder semantische Strategie?*

10:20 - 10:40 | Sabine Patzke and Elisabeth Günther (FU Berlin)
*Comparing Innovative Strategies: Serial Production of Etruscan ceramica sovraddipinta and the Paestan Asteas- Python-workshop*

Discussion
QUANTIFYING ANCIENT BUILDING ECONOMY

Thursday | 24 May | 09:00-13:30
Bonn - University | HS I
Cathalin Recko and Michael Heinzelmann (University of Cologne)

09:00 - 09:20 | Simon Barker (Norwegian Institute in Rome)
*Historical sources, labour figures and ancient stone working costs*

09:20 - 09:40 | Monika Trümper (FU Berlin)
*Quantifying Remodeling Processes: the Republican and Stabian Baths in Pompeii*

09:40 - 10:00 | Cathalin Recko (Universität zu Köln)
*The construction of Pompeii’s sacred buildings and their role within the local building industry*

Discussion

Coffee break

11:30 - 11:50 | Silke Müth (The National Museum of Denmark)
*Economical challenges of building a Geländemauer in the middle of the 4th c. BC: The city wall of Messene as an example*

11:50 - 12:10 | Seth Bernard (University of Toronto)
*The Energetics of Polygonal Masonry: Building the Colonial Walls of Cosa*

12:10 - 12:30 | Steffen Oraschewski (Universität zu Köln)
*Ancient working processes and efforts considering large-scale constructions made of timber in Rome*

12:30 - 12:50 | Ana Portillo Gómez (Universidad de Córdoba)
*Considerations about the costs of the polychrome decoration and the constructive materials of the temple of Divus Augustus at Colonia Patricia (Córdoba, Spain)*

Discussion
PRODUCTION OF TILES AND BRICKS

Thursday | 24 May | 14:30-16:30
Bonn - University | HS III

14:30 - 14:50 | Carlo De Domenico (University of Pisa)
Stamps for Buildings: Marking Roof Tiles and Architectural Terracottas in Greece from Archaic to late Roman Times

14:50 - 15:10 | Luigi Vecchio (Università degli Studi di Salerno) - Luigi Cicala (Università di Napoli FEDERICO II)
I mattoni di Elea-Velia: archeologia ed epigrafia della produzione

15:10 - 15:30 | Heinz Sperling
Rekonstruktion von Betriebsmodellen antiker Produktionsanlagen mit Hilfe von Prozessketten-Analysen Methodik und Fallstudien bei der Ziegelherstellung in römischer Zeit

15:30 - 15:50 | Alvaro Jimenez-Sancho
The beginnings of bricks import in southwestern Hispania. An ideological reading

Discussion

SERIAL PRODUCTION

Thursday | 24 May | 11:30-13:30
Bonn - University | HS III
11:30 - 11:50  |  Elisabeth Trinkl (Karl-Franzens-Universität Graz)
*Serial production in Classical Greece: Attic figural vases*

11:50 - 12:10  |  Harald Schulze (Archäologische Staatssammlung)
*Blei als Material für die Serienproduktion von Votivgaben*

12:10 - 12:30  |  Dagmara Wielgosz-Rondolino (University of Warsaw)
*Serial production or individual orders? Palmyrene sculpture from the 1st to the 3rd century AD.*

12:30 - 12:50  |  Eleonora Cussini (Università Ca' Foscari Venezia)
*Serial production or individual orders? Palmyrene inscriptions on sculpture from the 1st to the 3rd century AD*

Discussion

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**MINING LANDSCAPES**

**PANEL 4.2 (TRIPLE)**

**DAY AND TIME:** Thursday | 24 May | 09:00-16:30

**ROOM:** Bonn - University | HS VII

**ORGANISER/CHAIR:**
Frank Hulek (University of Cologne), Sophia Nomicos (University of Münster)

**SPEAKERS:**

09:00 - 09:20  |  Frank Hulek (University of Cologne) and Sophia Nomicos (University of Münster)
*Introduction to the panel*

09:20 - 09:40  |  Effie Photos-Jones (University of Glasgow)
*Μηλτωρύχοι & φαρμακοτρίβες: the elusive mineral medicinals ‘industry’ of the Greco-Roman world*
09:40 - 10:00 | Thomas Faucher (University Orleans/IRAMAT-CEB, CNRS)
*Ancient gold production in the Eastern desert of Egypt: Samut as a case study*

10:00 - 10:20 | Hannah Friedman (Texas Tech University)
*Feeding the Miners in Faynan- the Discovery of a New Floodwater Farm at Jabal Hamra Alrbieg*

10:20 - 10:40 | Beatrice Cauuet (University of Toulouse, CNRS)
*The impact on territories of gold and tin mining in Gallia from Iron Age to Roman time*

Discussion

Coffee break

11:30 - 11:50 | Raphael Alexander Eser (Humboldt-Universität zu Berlin)
*New insights into an old iron mining landscape: Elba Island*

11:50 - 12:10 | Norbert Hanel and Bärbel Morstadt (Ruhr-Universität Bochum)
*The Iglesiente – Archaeological and historical landscape studies of the mining area in Southwest-Sardinia from the Early Iron Age into Late Antiquity*

12:10 - 12:30 | Nerantzis Nerantzis (University of Lille 3)
*The organization of mining and metal production in Aegean Thrace from the Archaic to the Roman period*

12:30 - 12:50 | Eva Steigberger – René Ployer (Bundesdenkmalamt)
*Noricum - Economic Factor Alps*

Discussion

Lunch break

14:30 - 14:50 | Victor Martínez Hahnmüller (Ghent University)
*More than silver. Rural Exploitation at Qart Hadasht / Carthago Nova hinterland*

14:50 - 15:10 | F. Javier Sánchez-Palencia Ramos (Instituto de Historia, CSIC) - Brais X. Currás (University of Coimbra)
*Roman Gold Mining in Lusitania: Territory and Society*
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>15:10 - 15:30</td>
<td>Linda Gosner (University of Michigan)</td>
<td>Imperial Mines and Local Industries: Communities of Practice and Cross-Craft Production in Roman Mining Landscapes of Southwest Iberia</td>
</tr>
<tr>
<td>15:30 - 15:50</td>
<td>Regula Wahl-Clerici</td>
<td>Territorium metallorum Tresminas / Jales: Reflexions on the profit of a goldmine in the 1st and 2nd century AD</td>
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Discussion

**THE FRICTION OF CONNECTIVITY – GRECO-ROMAN TRADE IN ARCHAEOLOGY AND TEXTS**

**Thursday | 24 May | 14:30-16:30**

**ROOM:** Bonn - University | HS VIII

**ORGANISER/CHAIR:**

Peter F. Bang (University of Copenhagen), Mark L. Lawall (University of Manitoba), John Lund (The National Museum of Denmark)

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14:30 - 14:50</td>
<td>Mark Lawall (University of Manitoba)</td>
<td>Archaeology of friction and integration: transport amphoras, geography and economy (5th and 4th centuries BC)</td>
</tr>
<tr>
<td>15:10 - 15:30</td>
<td>Jennifer Gates-Foster (University of North Carolina at Chapel Hill)</td>
<td>Distant Contacts and Local Imitation: Early Ptolemaic Transport Amphorae from Egypt’s Eastern Desert</td>
</tr>
<tr>
<td>15:30 - 15:50</td>
<td>Sitta von Reden (University of Freiburg)</td>
<td>Greco-Roman trade and institutional change in a frontier zone of the Ptolemaic and Roman Empire (300 BCE to 300 CE)</td>
</tr>
<tr>
<td>15:50 - 16:10</td>
<td>Roberta Tomber (British Museum)</td>
<td>Trade beyond the Empire: the Quantification of Roman Amphorae and Implications for Indo-Mediterranean Trade</td>
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Discussion
DISTRIBUTION OF GREEK VASES

Thursday | 24 May | 14:30-16:30  
Bonn - University | HS II  
Alan Shapiro (Johns Hopkins University)

14:30 - 14:50  |  Filippo Giudice (University of Catania) and Marco Stefano Scaravilli  
*L'isola di Taso ed il suo ruolo nel commercio della ceramica attica figurata dagli inizi del VI al IV secolo a.C.*

14:50 - 15:10  |  Eleni Zimi (University of Peloponnese)  
*Change and continuity in the function of Attic pottery in Cyrenaica: the case of Euesperides*

15:10 - 15:30  |  Marcella Accolla  
*Imports of attic black-figured vases and attic red-figured vases at Gela in the second quarter of the V century B.C.*

15:30 - 15:50  |  Bettina Kreuzer (Bayerische Akademie der Wissenschaften, CVA)  
*The Leagros Group and the Mechanisms of Trade: Trademarks Revisited*

15:50 - 16:10  |  Isabella Hodgson (University of Bonn)  
*Modern marketing theory and ancient ceramics*

Discussion

ECONOMY AND CULTURAL CONTACT IN THE MEDITERRANEAN IRON AGE

Thursday | 24 May | 09:00-16:30  
Bonn - University | HS IV  
Martin Guggisberg and Matthias Grawehr (Universität Basel)
09:00 - 09:20  |  Martin Guggisberg (Universität Basel)
From Household Production to Early Market Economy. Perspectives from East and West

09:20 - 09:40  |  Andrea Celestino Montanaro (CNR - Italian National Research Council)
Amber trade in western adriatic between the iron and the late archaic age. Workshops, artisans and artifacts, exchange networks

09:40 - 10:00  |  Giacomo Bardelli
Manufacturing and Keeping Contacts in Archaic Picenum. The Graves of the „Circolo delle Fibule“ of Sirolo-Numana (Ancona, Italy)

10:00 - 10:20  |  Holger Baitinger (Römisch-Germanisches Zentralmuseum)
Exploitation of Resources and Trading Networks in the Archaic Western Mediterranean – the Evidence of the Metal Objects

10:20 - 10:40  |  Jana Mokrisova (UCL)
Metals on the Move: Metallurgy and Technological Transfer on the Western Anatolian Littoral

Discussion

Coffee break

11:30 - 11:50  |  Albert Nijboer (University of Groningen)
Prospecting, early colonization and the transfer of technological know-how in the western Mediterranean from 1000 to 700 BC

11:50 - 12:10  |  Veronika Sossau (Universität Basel)
Ionians in the Black Sea – Economical Resources and Beyond

12:10 - 12:30  |  Rosalba Panvini and Marina Congiu (Università degli studi di Catania)
Commerci, economia e strutturazione sociale delle comunità indigene della Sicilia centrale. I casi di Sabucina, Polizzello e Vassallaggi

12:30 - 12:50  |  Eicke Granser (Ruhr Universität Bochum)
Pithekoussai (Ischia) – Colonization vs. Participation
PANEL 5.12

REVISITING THE ROLES OF ROMAN MEDITERRANEAN PORTS

DAY AND TIME: Thursday | 24 May | 09:00-11:00
ROOM: Bonn - University | HS VI
ORGANISER/CHAIR: Simon Keay (University of Southampton)

SPEAKERS:
09:00 - 09:20 | Simon Keay (University of Southampton)
Port hierarchies and port systems in the Roman Mediterranean

09:20 - 09:40 | Pascal Arnaud (Université Lumière Lyon 2)
Main and secondary cargoes in the light of charter-parties and fiscaluty

Discussion

Lunch break

14:30 - 14:50 | Joanna Smith (University of Pennsylvania)
Seals in the Economy and Culture of the Iron Age Mediterranean

14:50 - 15:10 | Andrea Perugini (Ghent University)
The commercial network across the Strait of Sicily : a reconstruction at the turning point of 1st millennium BC

15:10 - 15:30 | Angela Trentacoste (University of Oxford)
Livestock management, agricultural investment, and cultural change in Late Iron Age Italy

15:30 - 15:50 | Elisabetta Lupi (Leibniz Universität Hannover)
Luxury from the West. The tarantinon in Attica and Boeotia

Discussion
09:40 - 10:00 | Emilia Mataix (University of Southampton)
Reconsidering cargoes from the perspective of contracts of sale, lease and hire

10:00 - 10:20 | Marie-Pierre Jézégou (DRASSM)
L'activité du port de Narbonne dans le cadre du modèle redistribution/redistribution: retour sur un échantillon d’épaves du golfe du Lion et du littoral provençal de la fin de la République au Ier siècle

10:20 - 10:40 | Nicolas Carayon (University of Southampton)
A functional approach to the harbour system of Narbo Martius

Discussion

Maria Luisa Piccino (Università di Genova)

NETWORKS AT WORK: TRADE AND TRANSPORT OF ROMAN BUILDING MATERIALS IN THE MEDITERRANEAN

Thursday | 24 May | 14:30-16:30
Bonn - University | HS I
Lynne Lancaster (Ohio University)

14:30 - 14:50 | Elizabeth Jane Shepherd (Ministero dei beni e delle attività culturali e del turismo)
Selling tiles by the thousands. Roman CBM cargoes in the Mediterranean

14:50 - 15:10 | Francesca Diosono (Ludwig-Maximilians-Universität München)
Timber transport and trade in roman Italy

15:10 - 15:30 | Colin Adams (University of Liverpool)
"In the World of P. Panop. Beatty": The Transport of Egyptian Stone for Imperial Building Projects
TRADE AND COMMERCE IN THE HARBOUR TOWN OF OSTIA

THURSDAY | 24 MAY | 11:30-13:30
BONN - UNIVERSITY | HS VI

ALICE LANDSKRON (UNIVERSITY OF GRAZ)

SPEAKERS:

11:30 - 11:50 | SIMONE CIAMBELLI (UNIVERSITÀ DI BOLOGNA / UNIVERSITÉ DE POITIERS)
The patronage of professional collegia and the social rise of the collegiati in Ostia (II-III centuries AD)

11:50 - 12:10 | GHISLAINE VAN DER PLOEG (UNIVERSITY OF COLOGNE)
Trade, Identity, and Mobility: the Case of Lucius Caecilius Aemilianus

12:10 - 12:30 | PAOLA BALDASSARRI (CITTÀ METROPOLITANA DI ROMA)
Spain-Ostia-Rome: evidences of economic and artistic relationships from the excavation of Palazzo Valentini in Rome

12:30 - 12:50 | RIA BERG (UNIVERSITY OF TAMPERE)
Iconography of the Modius in Ostia - Visualizing Ethnicity and Exchange

12:50 - 13:10 | MARCELLO TURCI (AIX-MARSEILLE UNIVERSITY)

DISCUSSION

JANET DELALNE (UNIVERSITY OF OXFORD)
The development of the maritime district of Ostia from the 3th to the beginning of the 6th century A.D.

Discussion

Claudia Tempesta

Greek and Etruscan Vases: Shapes and Markets

Thursday | 24 May | 09:00-13:30
Bonn - University | HS II
Dimitris Paleothodoros (University of Thessaly, Volos)

09:00 - 09:20 | Delphine Tonglet (Université libre de Bruxelles-F.R.S.-FNRS)
A useful melting-pot: towards a definition of Etruscan banquet sets in funerary contexts

09:20 - 09:40 | Cécile Jubier-Galinier (Université de Perpignan Via Domitia)
Shapes, markets and workshops’ strategy between specialisation and diversification

09:40 - 10:00 | Amalia Avramidou (Democritus University of Thrace)
Attic Kraters and Pelikai from Ancient Thrace

10:00 - 10:20 | Dimitris Paleothodoros (University of Thessaly)
Attic Red-figured mugs in the market

Discussion

Coffee break

11:30 - 11:50 | Barbara Cavallaro
Attic vases in Vassallaggi (Caltanissetta, Italy): special commissions in a sican town
11:50 - 12:10 | Aaron Rhodes-Schroder (The University of Auckland)
*Death Driving Deposition: funerary practice as a motivator of Tarquinian selection in the Attic vase trade*

12:10 - 12:30 | Winfred van de Put (Netherlands Institute at Athens)
*Markets and the survival of shapes: the case of the column-krater*

12:30 - 12:50 | Vincenzo Baldoni (Università di Bologna)
*Vase shapes from funerary contexts of Picenum: imports and local production*

**Discussion**

Alexandra Villing (British Museum) and Alan Shapiro (Johns Hopkins University)

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**TRUST, BRANDING AND FAKES IN THE ANCIENT WORLD**

**Thursday | 24 May | 14:30-16:30**

**Bonn - University | HS IX**

**Anja Slawisch (University of Cambridge)**

**SPEAKERS:**

14:30 - 14:50 | Vasiliki Barlou (Justus-Liebig-Universität Gießen)
*What's in a name?*. Creating brands and trademarks in ancient greek sculpture

14:50 - 15:10 | Simone Killen (Université catholique de Louvain)
*Trust in Tradesmen: How poleis protected their Consumers*

15:10 - 15:30 | Anja Slawisch (University of Cambridge)
*„Amphoras on Amphoras“: diachronic perspectives on trade and the use of the amphora image*
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<tr>
<td>15:30-15:50</td>
<td>Kathleen Garland (Cornell University)</td>
<td>Stamps of approval: signaling authenticity in Hellenistic packaging</td>
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<td><strong>Discussion</strong></td>
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<td>Sabine Huy (Ruhr-Universität Bochum)</td>
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**TEXTILES AND FASHION IN ANTIQUITY**

**Panel 6.3 (Triple)**

**DAY AND TIME:** Thursday | 24 May | 09:00-16:30
**ROOM:** Bonn - University | HS V
**ORGANISER/CHAIR:** Mary Harlow (University of Leicester)

**SPEAKERS:**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00-09:20</td>
<td>Mary Harlow (University of Leicester)</td>
<td>Spinning: the invisible profession</td>
</tr>
<tr>
<td>09:20-09:40</td>
<td>Francesco Meo (University of Salento)</td>
<td>Textile production in Lucania in the Hellenistic Period. Some Case Studies</td>
</tr>
<tr>
<td>09:40-10:00</td>
<td>Judit Pásztókai-Szeőke - Ivan Radman-Livaja (Archaeological Museum of Zagreb)</td>
<td>Refurbishing Pannonian identities. Interpreting the archaeological evidence of a Roman workshop</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td>Marie-Louise Nosch (University of Copenhagen), Stella Spantidaki (Université Paris-Sorbonne) and Peder Flemestad (Lund University)</td>
<td>Where are the sails? An interdisciplinary search for the textiles of the Athenian fleet</td>
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<td>10:20-10:40</td>
<td>Ali Drine (INP Tunisie)</td>
<td>Témoignages archéologiques et historiques sur les teintureries et les couleurs antiques dans la Petite Syrte</td>
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19th International Congress of Classical Archaeology | 22-26 May 2018
Discussion

Coffee break

11:30 - 11:50 | Lena Larsson Lovén (University of Gothenburg)  
*Textiles in Roman daily life*

11:50 - 12:10 | Rocio Manuela Cuadra Rubio and Jordi Pérez González (Universitat de Barcelona)  
*Mobiliario textil en la casa romana. La comodidad perdida*

12:10 - 12:30 | Anna den Hollander (University College Roosevelt/Utrecht University)  
*Gendered Economics and Dedications: an Analysis of the Brauron Clothing Catalogues*

12:30 - 12:50 | Audrey Gouy (Université de Pau et des Pays de l’Adour)  
*The Performative Clothing in Preroman Italy. Ritual Function of Etruscan Dress among Mediterranean Interactions and Cultural Identity (6th-5th cent. B.C.)*

Discussion

Lunch break

14:30 - 14:50 | Torill Christine Lindstrøm (University of Bergen)  
*Fashion or Function? Costume and Colour in the Great Fresco in Villa of the Mysteries, Pompeii*

14:50 - 15:10 | Monika Muszyńska (Institute of Archaeology Warsaw University)  
*How deep is your love, Hadrian?*

15:10 - 15:30 | Marta Zuchowska (University of Warsaw)  
*Exotic fabrics in Palmyrene clothing*

15:30 - 15:50 | Amy Wale (University of Leicester)  
*Sartorial Expressions: North African Mosaics*

Discussion
MAKING VALUE AND THE VALUE OF MAKING: THEORY AND PRACTICE IN CRAFT PRODUCTION

Thursday | 24 May | 09:00-13:30
Bonn - University | HS IX
Helle Hochscheid (University College Roosevelt/Utrecht University), Ben Russell (Edinburgh University)

09:00 - 09:20  |  Tatiana Ivleva (Newcastle University)
Making Romano-British glass bangles: Inside the craftsperson mind

09:20 - 09:40  |  Maria Coto-Sarmiento (BSC-Barcelona Supercomputing Center)
An Agent Based Model to detect variations in the transmission of potters from Baetica province

09:40 - 10:00  |  Ben Russell (University of Edinburgh)
Stone Carvers and their Working Processes: Problematising the Chaîne Opératoire

10:00 - 10:20  |  Natacha Massar (Royal Museums of Art and History)
How many craftsmen to prepare an army?

10:20 - 10:40  |  Ann Brysbaert (Leiden University)
Crafting as making, thinking and being (together)

Discussion

Coffee break

11:30 - 11:50  |  Helle Hochscheid (University College Roosevelt/Utrecht University)
Owning the stones: materiality, ownership and classical Greek sculpture

11:50 - 12:10  |  Heide Frielinghaus (JGU Mainz)
Assessment of Value Attribution – the evidence of votive offerings

12:10 - 12:30  |  Gert van Wijngaarden (University of Amsterdam)
Time and Place in Distance Value. The case of cylinder seals in Bronze Age Greece
12:30 - 12:50 | Caroline Cheung (University of California, Berkeley)
Precious Pots: Making and Repairing Dolia

12:50 - 13:10 | William Wootton (King’s College London)
The value of surfaces: the experience of making and the making of experience

Discussion

Robert Sobak (Bowdoin College)

CAN THE CITY AFFORD THAT GOD?

Thursday | 24 May | 09:00-13:30
Bonn - University | HS X
Anna-Katharina Rieger (University of Erfurt), Johanna Stöger (Leiden University)

09:00 - 09:20 | Marlis Arnhold (University of Bonn)
Religion in the urbs: Defining the special case of Imperial Rome beyond the political centre

09:20 - 09:40 | Dorothea Rohde (Universität Bielefeld)
Sacred, public or private? Financing the cult of Isis within the Roman city

09:40 - 10:00 | Anne Kleineberg (Christian-Albrechts-Universität zu Kiel)
The Forum Boarium and Holitorium in Rome – Their religious, social and economic significance until the early imperial time

10:00 - 10:20 | Charlotte Potts (University of Oxford)
Fora as Urban Sanctuaries: Continuities in Form and Function
10:20 - 10:40 | Asuman Lätzer-Lasar (University of Erfurt)
Your City – Your Arena. Religious Practices as Marketing Strategies for Claiming Urban Space

Discussion

Coffee break

11:30 - 11:50 | Kristine Iara (American Academy in Rome)
Appropriating space in urbs and suburbium

11:50 - 12:10 | Maura Medri (Università di Roma Tre)
The long life of an extra-urban sanctuary: the Bona Dea sanctuary in Ostia (Regio V, X, 2)

12:10 - 12:30 | Iskander Renato Gregoire Echnaton Sonnemans (Leiden University)
The Mithras-scape: a case-study from Ostia Antica

12:30 - 12:50 | Winfried Held (Philipps-Universität Marburg)
Zur Deutung und Finanzierung der ‚Roten Halle‘ in Pergamon

12:50 - 13:10 | Aynur-Michèle-Sara Karatas
Cults, money, and prestige: Cultic offices as means of prestige for leading families in Asia Minor

Discussion

THE STORAGE IN URBAN ECONOMY: ROME AND ITS PORTS

Thursday | 24 May | 14:30-16:30
Bonn - University | HS VI
Evelyne Bukowiecki (École française de Rome), Milena Mimmo (Aix Marseille Université)

14:30 - 14:50 | Milena Mimmo (Aix Marseille Université, CNRS)
Rome. The urban warehouses and the storage topography

14:50 - 15:10 | Evelyne Bukowiecki (École française de Rome)
The storage architecture in maritime ports of Rome (Ostia and Portus)

15:10 - 15:30 | Andrea Guaglianone (Università di Venezia)
The Grain Circulation System within the Urbe: Contextualising the frumentationes in the Urban Texture of the Regio IX

15:30 - 15:50 | Alessia Contino (Soprintendenza Speciale per il Colosseo e l’Area archeologica centrale di Roma)
Rome and urban wastes: a problem of storage, elimination and reuse

15:50 - 16:10 | Giulia Boetto
Loading and unloading: sailing up the Tiber to Rome

Discussion

AGRIGENTO: ARCHAEOLOGY OF AN ANCIENT CITY. URBAN FORM, SACRED AND CIVIL SPACES, PRODUCTIONS, TERRITORY

Thursday | 24 May | 09:00-13:30
Bonn - University | HS XI
Luigi Maria Caliò and Giuseppe Lepore (Università di Bologna)

09:00 - 09:20 | Oscar Belvedere (University of Palermo)
Il territorio di Agrigento

09:20 - 09:40 | Natascha Sojc (Universität Augsburg)
Das extraurbane Heiligtum in der Contra Santa Anna

09:40 - 10:00 | Elisa Chiara Portale and Monica De Cesare (University of Palermo)
Lo spazio sacro presso la cosiddetta Porta Aurea: infrastrutturazione e contesto socio-economico

Archaeology and Economy in the Ancient World
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<tr>
<td>10:00 - 10:20</td>
<td>Luigi Maria Caliò (Università di Catania)</td>
<td><em>Gli spazi pubblici di Agrigento ellenistica dalla progettazione al cantiere</em></td>
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<tr>
<td>10:20 - 10:40</td>
<td>Valentina Caminneci and Maria Concetta Parello (Parco Archeologico e Paesaggistico della Valle dei Templi di Agrigento)</td>
<td><em>L'impianto termale dell'Insula IV del Quartiere Ellenistico-romano</em></td>
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<tr>
<td>11:30 - 11:50</td>
<td>Sergio Aiosa (Alma Mater Studiorum, Università di Bologna)</td>
<td><em>For a socio-economical reading of the living contexts: insula I in the Hellenistic and Roman District of Agrigento</em></td>
</tr>
<tr>
<td>11:50 - 12:10</td>
<td>Michele Scalici (Alma Mater Studiorum, Università di Bologna)</td>
<td><em>Production sites in Agrigento: the kilns outside Gate 5</em></td>
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<tr>
<td>12:10 - 12:30</td>
<td>Marina Albertocchi</td>
<td><em>Produzione e circolazione delle ceramiche comuni ad Agrigento. Lettura di un modello economico</em></td>
</tr>
<tr>
<td>12:30 - 12:50</td>
<td>Maria Concetta Parello and Maria Serena Rizzo (Parco Archeologico e Paesaggistico della Valle dei Templi di Agrigento)</td>
<td><em>Agrigento, archeologia e produzioni di una città antica tra vecchie ricerche e nuove acquisizioni</em></td>
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<tr>
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**EXTERNAL DISCUSSANT:**

Johannes Bergemann (Universität Göttingen)

19th International Congress of Classical Archaeology | 22-26 May 2018
# CRISIS ON THE MARGINS OF THE BYZANTINE EMPIRE: BIO-ARCHAEOLOGICAL APPROACHES TO RESILIENCE AND COLLAPSE IN THE NEGEV DESERT

**Thursday | 24 May | 09:00-16:30**  
Bonn - University | HS XII  
Guy Bar-Oz and Lior Weissbrod (University of Haifa)

## SPEAKERS:

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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</table>
| 09:00 - 09:20 | Guy Bar-Oz (University of Haifa)  
*Introduction to Crisis on the margins of the Byzantine Empire: Bio-archaeological approaches to resilience and collapse in the Negev Desert* |
| 09:20 - 09:40 | Yotam Tepper (University of Haifa)  
*Towards solving the puzzle of Byzantine settlement archaeology in the Negev Desert* |
| 09:40 - 10:00 | Xin Yan (Weizmann Institute of Science, Israel)  
*Sub-century resolution for dating the end of the Byzantine period in the Southern Levant: the radiocarbon approach* |
| 10:00 - 10:20 | Tali Erickson-Gini (Israel Antiquities Authority)  
*New Horizons in the Study of Ceramic Evidence of the Byzantine Period from Recent Excavations in the Central Negev Sites of Shivta, Halutza and Avdat* |
| 10:20 - 10:40 | Nimrod Marom (University of Haifa)  
*Archaeozoological Aspects of the Byzantine-Islamic Transition in the Negev* |

### Discussion

**Coffee break**

11:30 - 11:50 | Sina Lehnig (Johannes Gutenberg Universität Mainz)  
*Animal Husbandry and Trade in the Negev Town Elusa*  

11:50 - 12:10 | Rachel Blevis (University of Haifa)  
*From Sea to Desert platter- the Role of Fish in the Byzantine Negev*
<table>
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<tr>
<td>12:10 - 12:30</td>
<td>Daniel Fuks (Bar Ilan University, Israel)</td>
<td><em>Seeds of collapse: Archaeobotanical investigations of Byzantine and Islamic contexts</em></td>
</tr>
<tr>
<td>12:30 - 12:50</td>
<td>Mordechay Benzaquen (Tel Aviv University)</td>
<td><em>Dendroarchaeological Investigations of the Byzantine Negev</em></td>
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<tr>
<td>12:50 - 13:10</td>
<td>Meirav Meiri (Tel Aviv University)</td>
<td><em>The Negev wine industry as reflected from ancient DNA of grape seeds during the Byzantine and early Islamic periods</em></td>
</tr>
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**Discussion**

**Lunch break**

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<tr>
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<tbody>
<tr>
<td>14:30 - 14:50</td>
<td>Don Butler (University of Haifa)</td>
<td><em>Microarchaeological Investigations of Waste Management at Byzantine-Early Islamic Settlements in the Negev</em></td>
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<tr>
<td>14:50 - 15:10</td>
<td>Petra Vaiglova (University of Haifa)</td>
<td><em>Isotopic proxies for disentangling environmental and societal change at Halutza and Nitzana, urban settlements in the Negev Desert</em></td>
</tr>
<tr>
<td>15:10 - 15:30</td>
<td>Sára Lantos (University of Haifa)</td>
<td><em>Imported Fish, Exported Wine: An Economy of Production and Trade</em></td>
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</tbody>
</table>

**Discussion**

Achim Lichtenberger (Westfälische Wilhelms-Universität Münster)

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**Panel 8.16**

**City and Territory in Ancient Sicily**

**Day and Time:**

Thursday | 24 May | 14:30-16:30

19th International Congress of Classical Archaeology | 22-26 May 2018
14:30 - 14:50  |  Roksana Chowaniec (University of Warsaw) - Rosa Lanteri and Maria Musumeci (Polo Regionale di Siracusa per i siti e musei archeologici)
The exploitation of landscape and raw materials in the ancient Akrai, in south-eastern Sicily, since its foundation

14:50 - 15:10  |  Johannes Bergemann (Universität Goettingen)
The Hinterland of Agrigento - Surveyresults from Monti Sicani

15:10 - 15:30  |  Rodolfo Brancato (Università degli studi di Catania)
Rural Networks in Sicily: the Archaeology of Rural Landscapes in the Plain of Catania from the Hellenistic to Late Roman period

15:30 - 15:50  |  Antonino Facella (Scuola Normale Superiore)
Self-sufficiency and integration in wider production/exchange networks at Entella (Sicily) and in its territory: continuity and transformations from Archaic to Byzantine age

15:50 - 16:10  |  Antonino Barbera and Alberto D’Agata
Le tombe 5, 5A, 24 and 25 della Necropoli Est di Polizzello Produzioni vascolari e rituali di tradizione greca all’interno di un centro indigeno della Sicilia centro-meridionale

Discussion
SPEAKERS:

11:30 - 11:50 | Gregg Gardner (The University of British Columbia)
Archaeology and Economy in Roman Jerusalem: Markets, Material Culture, and Institutions in the First Century

11:50 - 12:10 | Renate Rosenthal-Heginbottom
The Production and Iconography of Ceramic Luxury Tableware in Roman Jerusalem (70-200 CE)

Discussion

THE PRODUCTION OF MILITARY EQUIPMENT – FABRICAES, PRIVATE PRODUCTION AND MORE

Thursday | 24 May | 14:30-16:30
Bonn - University | HS XIII
Stefanie Hoss (Universität zu Köln)

SPEAKERS:

14:30 - 14:50 | Stefanie Hoss (Universität zu Köln)
Military equipment: an overview of different production systems for different times, places and items

14:50 - 15:10 | Astrid Lindenlauf
Necessity is the Mother of Invention: The use of improptu offensive and defensive weapons in Greek warfare

15:10 - 15:30 | Leida van Hees
The tools of production

15:30 - 15:50 | Martijn A. Wijnhoven (VU University Amsterdam)
Workshop traditions: A long-term look at military equipment production

15:50 - 16:10 | Vince Van Thienen
State control, regionality or guidelines? The production of the crossbow brooch

Discussion
STRAPPED FOR CASH: NEEDY SOLDIERS, RELUCTANT AUTHORITIES

Thursday | 24 May | 09:00-13:30
Bonn - University | HS XIII
Iossif Panagiotis (Université de Liège), Evangeline Markou (National Hellenic Research Foundation)

09:00 - 09:20  |  Evangeline Markou (National Hellenic Research Foundation) and Iossif Panagiotis (Radboud University Nijmegen)
Introduction to the Panel

09:20 - 09:40  |  Sven Günther (Institute for the History of Ancient Civilizations)
War Zone-markets: Mercenary-payment, Generals and Market-manipulations in the 4th century BC

09:40 - 10:00  |  Charlotte Van Regenmortel (University of Leicester)
Adam Smith at Taenarum? Labour Markets and Paid Military Service in the Early Hellenistic Period

10:00 - 10:20  |  Gunnar Dumke (Martin-Luther-Universität Halle-Wittenberg)
Paying for a round with squares - The Indo-Greek kings after Menander I and their coins

Discussion

Coffee break

11:30 - 11:50  |  Stéphane Martin
Quantifying the impact of military payments on local economies: the case of Gaul in the 1st c. BC

11:50 - 12:10  |  Cruces Blazquez Cerrato (University of Salamanca) and Marta Gómez Barreiro (Junta de Castilla y León)
Caesaraugusta and the Roman army: copies of PreClaudian and Claudian coinage to supply troops?

12:10 - 12:30  |  Fleur Kemmers (Goethe-Universität Frankfurt am Main)
Military pay and monetary economy in Rome’s expanding Empire

12:30 - 12:50  |  Liesbeth Claes (Leiden University)
Circulating Legitimacy and Loyalty between Roman Emperors and their Germanic Soldiers (AD 180-285): a case study

Discussion

COMMUNICATING ARCHAEOLOGY IN THE DIGITAL ERA

Thursday | 24 May | 09:00-11:00
Bonn - University | HS XV
Eleftheria Paliou (University of Cologne)

09:00 - 09:20  |  Kristin Oswald (Kulturmanagement Network)
Communicating antiquity. German archaeology and the state-of-the-art of science communication

09:20 - 09:40  |  Henrik Boman (Swedish Institute in Rome)
The Swedish Pompeii Project Research Platform – interactive resource for publishing archaeology on-line

09:40 - 10:00  |  Konstantinos Tziampasis
Pafsanias Traveler: a new innovative project for sightseeing

10:00 - 10:20  |  Carlo Baione
Virtual Poggio del Molino: communicating the archaeological excavation to the public

Discussion

BEYOND ACADEMIA: CLASSICAL SITES AND LOCAL COMMUNITIES

Thursday | 24 May | 09:00-11:00
Bonn - University | HS XVI
Jennifer Martinez Jiménez (University of Cambridge), Manuel Moreno Alcaide (University of Granada)

09:00 - 09:20 | Tamara Peñalver (Universitat de València)
"Saguntum": the current pride of a classical past

09:20 - 09:40 | Ana Ruiz-Osuna (Universidad de Córdoba)
Arqueología Somos Todos. Socialize heritage in the historic city

09:40 - 10:00 | Olivera Ilic (Institute of Archaeology SASA)
Archaeological Park Viminacium as a unique tourist destination

10:00 - 10:20 | Javier Atienza Fuente (Universitat Rovira i Virgili), Santiago David Dominguez Solera and Michel Muñoz García (ARES)
Las termas romanas de Valeria (Cuenca): Balance de las campanas arqueológicas de 2014 a 2017

Discussion

Javier Andreu Pintado (Universidad de Navarra)

TARGETING ECONOMIC AND CULTURAL HOTSPOTS: AN ALTERNATIVE VIEW ON EARLY ROMAN EXPANSIONISM

Thursday | 24 May | 09:00-16:30
Bonn - University | HS XIV
Tesse D. Stek (Leiden University)

09:00 - 09:20 | Tesse D. Stek (Leiden University)
Targeting hotspots, energizing networks: an alternative view on the rationales behind early Roman expansionism

Archaeology and Economy in the Ancient World
09:20 - 09:40 | Gabriele Cifani (Università degli studi di Roma „Tor Vergata“)
Expansion and economy in Archaic Rome

09:40 - 10:00 | Jeremia Pelgrom (Royal Netherlands Institute in Rome, KNIR)
The rural organization of early Roman colonies

10:00 - 10:20 | Anita Casarotto (Leiden University)
A GIS approach to investigate settlement location preferences during the Roman expansion

10:20 - 10:40 | Marleen Termeer (Leiden University)
The introduction of coinage in and around Rome

Discussion

Coffee break

11:30 - 11:50 | Valentina Livi (American University of Rome)
Sanctuaries and terracotta decoration at Minturnae. Romanization in the Auruncan territory

11:50 - 12:10 | Roman Roth (University of Cape Town)
Rome’s Hegemony and the Transformation of Economic Regionalism: Two Ceramic Case Studies

12:10 - 12:30 | Alessia Guidi (University of Molise)
Black gloss pottery production in South Italy and Roman expansion
12:30 - 12:50 | Tymon de Haas (University of Cologne)
Modifying urban networks, settling the margins: the short-term aims and long-term consequences of mid-Republican expansion in the Pontine region

12:50 - 13:10 | Jesús García Sánchez and Rogier Kalkers (Leiden University)
Intra-site survey as proxy to explore countryside colonization and exploitation. Models and patterns from the hinterland of Aesernia

Discussion

Lunch break
14:30 - 14:50  |  Miko Flohr (Leiden University)  
*Bridging the discourse gap: fora, tabernae and Rome’s emerging economic network*

14:50 - 15:10  |  Michel Tarpin (Grenoble University)  
*The Roman conquest of the Alps: a laboratory for the domination of a complex territory?*

15:10 - 15:30  |  Mateo González Vázquez (Universitat de Barcelona)  
*The Iberian rural economy in the face of early Roman expansion (from the 3rd to the 1st centuries BCE)*

15:30 - 15:50  |  Rui Mataloto (Lisbon University)  
*Creating a Province, building a Roman Landscape: Central Alentejo and the emergence of Lusitania by the end of the 1st century BC*

**Discussion**

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**SANCTUARIES AND RITUAL**

**DAY AND TIME:** Thursday | 24 May | 14:30-16:30

**ROOM:**  
Bonn - University | HS X

**CHAIR:** Marlis Arnhold (Universität Bonn)

**SPEAKERS:**

14:30 - 14:50  |  Bianca Ferrara (Università degli Studi di Napoli FEDERICO II)  
*I louteria dal santuario di Hera alla foce del Sele - Paestum*

14:50 - 15:10  |  Laura Maniscalco (Soprintendenza Catania)  
*The Sanctuary of the Divine Palikoi: cult activities and economic activities around the sacred lakes*

15:10 - 15:30  |  Marcella Boglione (Universität Bern),  
*Ritual dynamics in a new sacred area on the ‘Piano del Tamburino’, Himera*

15:30 - 15:50  |  Gino Canlas (University of Alberta)
Investing in the Sacred: Divergent Monumentality in Thessalian Sanctuaries

Discussion

PANEL 12.7

IDALION

DAY AND TIME: Thursday | 24 May | 11:30 - 13:30
ROOM: Bonn - University | HS XV
CHAIR: Giorgos Papantoniou (University of Bonn)

SPEAKERS:

11:30 - 11:50 | Stephan G. Schmid (Humboldt-Universitaet zu Berlin)
The Importance of Max Ohnefalsch-Richter’s Excavation at Ancient Idalion

11:50 - 12:10 | Angelika Corinna Walther (DAI/Humboldt-Universität zu Berlin)
A sanctuary of a female goddess excavated by Max Ohnefalsch-Richter (1850–1917) at the Gialias river in Idalion (Cyprus)

12:10 - 12:30 | Sophie Geraldine Horacek (Humboldt-Universität zu Berlin)
A sanctuary of a female goddess excavated by Max Ohnefalsch-Richter (1850-1917) on the eastern acropolis in Idalion (Cyprus)

12:30 - 12:50 | Will Kennedy (Humboldt-Universität zu Berlin/Topoi)
A Landscape Archaeological Attempt at Defining the Territory of Ancient Idalion (Cyprus)

Discussion
FROM HELLENISTIC TO ROMAN TIMES: TRADE RELATIONS, CULTURAL EXCHANGES AND FUNERARY PRACTICES IN THE SOUTHERN ILLYRIA

Thursday | 24 May | 14:30-16:30
Bonn - University | HS XVI
Belisa Muka (Department of Antiquity, Tirana)

14:30 - 14:50 | Bashkim Lahi
*Handelsbeziehungen und Lebensmittelimporte in Apollonia während des 3. Jh. v. Chr. bis zum 3 Jh. n. Chr. Die aus den Transportamphoren gezogenen Erkenntnisse*

14:50 - 15:10 | Shpresa Gjongecaj
*La réforme monétaire d’Apollonia d’Illyrie au première siècle av. J.-C.*

15:10 - 15:30 | Luan Përzhita
*Some aspects on the cultural development of the western Dardania*

15:30 - 15:50 | Altin Skenderaj
*Un aperçu sur l’architecture domestique d’Illyrie méridionale à l’époque romaine*

15:50 - 16:10 | Belisa Muka (Department of Antiquity, Tirana) - Giuseppe Lepore (University of Bologne )
*“Archaeology of Death”: Hellenistic and Roman Necropolis at Phoinike*

**Discussion**
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<th>Room HS III</th>
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</table>
| 09:00-11:00 | Panel 2.3 | Part 1  
Coastal geoarchaeology in the Mediterranean – on the interdependence of landscape dynamics, harbour installations and economic prosperity in the littoral realm  
Organiser/Chair: M. Engel, F. Stock  
Details: p. 163 | Panel 3.6 | Part 1  
Building BIG – Constructing Economies: from Design to Long-Term Impact of Large-Scale Building Projects  
Organiser/Chair: A. Brysbaert, J. Pakkanen  
Details: p. 165 | Panel 5.11  
Politics of value: new approaches to early money and the state  
Organiser/Chair: E. Heymans, M. Termeer  
Details: p. 175 |
| 11:30-13:30 | Panel 2.3 | Part 2  
Coastal geoarchaeology in the Mediterranean – on the interdependence of landscape dynamics, harbour installations and economic prosperity in the littoral realm  
Organiser/Chair: M. Engel, F. Stock  
Details: p. 163-164 | Panel 3.6 | Part 2  
Building BIG – Constructing Economies: from Design to Long-Term Impact of Large-Scale Building Projects  
Organiser/Chair: A. Brysbaert, J. Pakkanen  
Details: p. 165-166 | Panel 5.24  
Greek coinage  
Chair: P. F. Mittag  
Details: p. 178-179 |
| 14:30-16:30 | Panel 6.8 | Part 1  
Recycling and reuse of sculpture in roman and late antiques times  
Organiser/Chair: C. Parigi  
Details: p. 182-183 | Panel 2.8  
Environmental factors on regional economies  
Chair: A. Vött  
Details: p. 164 | Panel 4.4 | Part 1  
The exploitation of raw materials in the Roman world: a closer look at producer-resource dynamics  
Organiser/Chair: D. Van Limbergen, D. Taelman  
Details: p. 170 | Panel 5.25 | Part 1  
Roman coinage  
Organiser/Chair: P. F. Mittag  
Details: p. 179-180 |
| 17:00-19:00 | Panel 6.8 | Part 2  
Recycling and reuse of sculpture in roman and late antiques times  
Organiser/Chair: C. Parigi  
Details: p. 183-184 | Panel 8.20  
Social groups as economic actors  
Chair: W. Ameling  
Details: p. 193-194 | Panel 4.4 | Part 2  
The exploitation of raw materials in the Roman world: a closer look at producer-resource dynamics  
Organiser/Chair: D. Van Limbergen, D. Taelman  
Details: p. 170-171 | Panel 5.25 | Part 2  
Roman coinage  
Organiser/Chair: P. F. Mittag  
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<tr>
<td>Villas, peasant agriculture, and the Roman rural economy</td>
<td>The Ancient City and Nature's Economy in Magna Graecia and Sicily</td>
<td>The economy of progression and regression through a zooarchaeological and material culture perspective</td>
<td>Trade in ancient Sardinia</td>
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<td>Organiser/Chair: A. Marzano</td>
<td>Organiser/Chair: J. Bergemann, M. Rempe</td>
<td>Organiser: L. Perry, A. Oikonomou</td>
<td>Organiser/Chair: S. De Vincenzo</td>
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<td><strong>Panel 3.15 Part 3</strong></td>
<td>**Panel 5.3</td>
<td>Part 1**</td>
<td>**Panel 5.2</td>
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<td>Villas, peasant agriculture, and the Roman rural economy</td>
<td>The Economy and the Maritime Cultural Landscapes of Greece</td>
<td>Tolls and ancient economies</td>
<td>Organization of Production and Crafts in Pre-Roman Italy</td>
<td>Transport amphorae</td>
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<td>Organiser/Chair: A. Marzano</td>
<td>Organiser/Chair: M. Curtis</td>
<td>Organiser/Chair: G. Cifani, J. Zürbach</td>
<td>Organiser/Chair: N. Burkhardt, R. Krämer</td>
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<td>Organization of Production and Crafts in Pre-Roman Italy</td>
<td>Tolls and ancient economies</td>
<td>Material Records, Consumption and Local Habits in a Proto-global Antiquity</td>
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| 09:00-11:00| Panel 8.13 | Part 1  
Central places and un-central landscapes: political economies and natural ressources in the longue duré | Panel 8.3 | Part 1  
Shops, Workshops and Urban Economic History in the Roman World | Panel 8.21 |  
City and countryside in the Roman East | Panel 8.10 | Part 1  
The aesthetics of urban production and trade |
|            | Organiser/Chair: G. Papantoniou, A. Vionis  
Details: p. 190-191 | Organiser/Chair: M. Flohr, N. Monteix  
Details: p. 186-187 | Organiser/Chair: A. Schäfer  
Chair: M Brüggler, J. Öbladen-Kauder, H. van Enckevort  
Details: p. 187-188 | Organiser/Chair: M Brüggler, J. Öbladen-Kauder, H. van Enckevort  
Details: p. 188 |
| 11:30-13:30| Panel 8.13 | Part 2  
Central places and un-central landscapes: political economies and natural ressources in the longue duré | Panel 8.3 | Part 2  
Shops, Workshops and Urban Economic History in the Roman World | Panel 8.9 |  
Town-country relations in the northern parts of Germany inferior from an economic perspective | Panel 8.10 | Part 2  
The aesthetics of urban production and trade |
|            | Organiser/Chair: G. Papantoniou, A. Vionis  
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Details: p. 189 |
| 14:30-16:30| Panel 8.13 | Part 3  
Central places and un-central landscapes: political economies and natural ressources in the longue duré | Panel 8.17 |  
Roman shops and workshops | Panel 11.3 | Part 1  
City-hinterland relations on the move? The impact of socio-political change on local economies from the perspective of survey archaeology | Panel 8.18 |  
Roman water management and infrastructure |
|            | Organiser/Chair: G. Papantoniou, A. Vionis  
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Chair: N. Hanel  
Details: p. 192-193 | Organiser/Chair: T. de Haas, D. Peeters, L. Pinchetti  
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| 17:00-19:00| Panel 8.24 |  
Urban Roman production and distribution sites | Panel 11.3 | Part 2  
City-hinterland relations on the move? The impact of socio-political change on local economies from the perspective of survey archaeology | Panel 8.12 |  
Roman Street and Urban Economy |
|            | Chair: E. Murphy  
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<td>**Panel 7.2</td>
<td>Part 1**</td>
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</table>
**The economy of death: New research on collective burial spaces in Rome from the Late Republican to Late Roman period**  
Organiser/Chair: N. Zimmermann, T. Fröhlich  
Details: p. 184 |
| **Panel 7.2 | Part 2** |  
**The economy of death: New research on collective burial spaces in Rome from the Late Republican to Late Roman period**  
Organiser/Chair: N. Zimmermann, T. Fröhlich  
Details: p. 185 |
| **Panel 7.5** |  
**Funerary economy**  
Chair: E. Thomas  
Details: p. 185-186 |
| **Panel 5.21 | Part 1** |  
**Trade and cultural contact in the Iron Age and the Archaic Mediterranean**  
Details: p. 176 |
| **Panel 5.21 | Part 2** |  
**Trade and cultural contact in the Iron Age and the Archaic Mediterranean**  
Details: p. 176-177 |
| **Panel 3.28 | Part 1** |  
**Food production and consumption**  
Chair: S. Deschler-Erb  
Details: p. 169 |
| **Panel 3.28 | Part 2** |  
**Food production and consumption**  
Chair: S. Deschler-Erb  
Details: p. 169 |
| **Workshop ArchAIDE - Archaeological Automatic Interpretation and Documentation of Ceramics** |  
Organiser: M. Remmy  
Details: p. 235 |
THE ANCIENT CITY AND NATURE'S ECONOMY IN MAGNA GRAECIA AND SICILY

Friday | 25 May | 09:00-13:30
Bonn - University | HS VI
Johannes Bergemann and Mario Rempe (Universität Göttingen)

09:00 - 09:20  |  Anna Maria Mercuri  
Palynological Approach to Economy and Human Impact Reconstruction. Examples from the Greek Colonial System (Metaponto Area) and Roman Agrarian Settlements (Central Sicily)

09:20 - 09:40  |  Johannes Bergemann (Universität Göttingen)  
Culture and Nature in Landscape

09:40 - 10:00  |  Mario Rempe (Georg-August-Universitaet Goettingen)  
The Chora of Kamarina from Archaic to Roman Times - a Sustainable Cultural Landscape?

10:00 - 10:20  |  Elena Mango (Universität Bern)  
Himera, Piano del Tamburino. Infrastructure of the Sacred, Topographical and Urbanistic Considerations

10:20 - 10:40  |  Oscar Belvedere, Aurelio Burgio (University of Palermo)  
Ancient Landscapes and Economy in the District of the Northern Imera River (Sicily), from Prehistory to Early Medieval Times. An Analytic Comparison with the Cignana Hinterland (Agrigento, South Sicily)

Discussion

Coffee break

11:30 - 11:50  |  Massimo Cultraro  
Living around Lava Flows and Volcanic Mud Lakes. Settlement and Landscape Transformations at the Western Slopes of the Etna from Early Iron Age to Classical Times

11:50 - 12:10  |  Roksana Chowaniec (University of Warsaw)  
Faunal and Botanical Assemblages in Akrai (South-Eastern Sicily) from Late Hellenism to Late Antiquity

Archaeology and Economy in the Ancient World
12:10 - 12:30 | Annapaola Mosca (Università di Roma „La Sapienza“)
Natural Environmental Factors and Human Settlement in Western Sicily. The Case of Lilybaeum
Discussion

COASTAL GEOARCHAEOLOGY IN THE MEDITERRANEAN – ON THE INTERDEPENDENCE OF LANDSCAPE DYNAMICS, HARBOUR INSTALLATIONS AND ECONOMIC PROSPERITY IN THE LITTORAL REALM

Friday | 25 May | 09:00-13:30
Bonn - University | HS II
Max Engel and Friederike Stock (Universität Köln)

09:00 - 09:20 | Matthieu Giaime (Aix-Marseille Université CEREGE)
Geoarchaeology reveals Coastline and River Changes and their Effects on Tel Akko’s Ancient Anchorages

09:20 - 09:40 | Andreas Vött (Johannes Gutenberg-Universität Mainz)
Major floods in the littoral realm of Elis and their potential influence on the cult site of Olympia (Peloponnese, Greece)

09:40 - 10:00 | Lukasz Miszk (Jagiellonian University in Kraków) - Tomasz Kalicki and Sławomir Chwałek (Uniwersytet Jana Kochanowskiego w Kielcach)
Engulfed past – Nea Paphos (Cyprus) north-west bay as an example of interdependence between human and environment

10:00 - 10:20 | Alba Mazza (The University of Sydney)
The coastal landscape of a Western Greek city. The case of Selinus
Discussion

Coffee break

11:30 - 11:50 | Felix Teichner (Philipps-Universität Marburg)
The Impact of Coastal Changes on the maritime economy of Roman Hispania

11:50 - 12:10 | Reinhard Stupperich and Corinna Stupperich (Universität Heidelberg)
Economy and the Persian Wars - the Case of Troizen

12:10 - 12:30 | Sabine Ladstätter (Österreichische Akademie der Wissenschaften)
Der Kaiser hatte doch recht! | Neue Erkenntnisse zur Verschmutzung des Hafens von Ephesos mit Marmorabrasiv

12:30 - 12:50 | Camilla Colombi (Deutsches Archäologisches Institut)
Ein Hafen am Prile-See? Neue Erkenntnisse zur Ausdehnung der Bucht bei Castiglione della Pescaia

Discussion

ENVIRONMENTAL FACTORS ON REGIONAL ECONOMIES

Friday | 25 May | 14:30-16:30
Bonn - University | HS II
Andreas Vött (Universität Mainz)

14:30 - 14:50 | Charalambos Dokos
Preliminary topographical and paleobiological data of the area Skales of the village Kato Pyrgos, Tyllirias district, Cyprus: implications about Cyprus coastline cartography

14:50 - 15:10 | Manolis Stefanakis (University of the Aegean)
Some Remarks on the Economy of the Ancient Deme of Kymissaleis on Rhodes

15:10 - 15:30 | Michele Matteazzi (Catalan Institute of Classical Archaeology)
The Upper Adriatic littoral landscape between Atria and Altinum during Roman times: natural environment, road network and land use

Discussion
BUILDING BIG – CONSTRUCTING ECONOMIES: FROM DESIGN TO LONG-TERM IMPACT OF LARGE-SCALE BUILDING PROJECTS

Friday | 25 May | 09:00-13:30
Bonn - University | HS III
Ann Brysbaert (Leiden University), Jari Pakkanen (Royal Hollow, University of London)

09:00 - 09:20 | Ann Brysbaert (Leiden University)
Logistics and infrastructure in support of building BIG in the Late Bronze Age Argolid, Greece

09:20 - 09:40 | Kalliopi Efkleidou (Aristotle University of Thessaloniki)
Understanding large urban planning production in Mycenaean Greece

09:40 - 10:00 | Daniel Turner (Leiden University)
Constructing multi-use tombs in Late Bronze Age Attica and Achaea

10:00 - 10:20 | Yannick Boswinkel (Leiden University)
Breaking down monumental constructions: people, costs and techniques

10:20 - 10:40 | Sabine Beckmann
Built to last – Middle Bronze Age landscaping development in the region of Agios Nikolaos, Crete

Discussion

Coffee break

11:30 - 11:50 | Jari Pakkanen (Royal Hollow, University of London)
Building Big and Greek Classical and Hellenistic Houses? Estimating Total Costs of Private Housing in Attica

11:50 - 12:10 | Janet DeLaine (University of Oxford)
Building for the gods: the so-called ‘Capitolium’ at Ostia

12:10 - 12:30 | Roberta Ferritto and Rosaria Perrella (University of Reading)
The impact of the luxury maritime villa construction boom on the prestigious coast between southern Latium and Campania
12:30 - 12:50 | Anna Gutiérrez García-M. (Université Bordeaux Montaign)
Stone for a provincial capital. Procurement strategies, logistics and dynamics for the monumentalization of Roman Tarraco’s urban landscape

12:50 - 13:10 | Ben Russell (University of Edinburgh)
Shipping Building Materials by Sea: Logistics and Planning

Discussion

ORGANIZATION OF PRODUCTION AND CRAFTS IN PRE-ROMAN ITALY

Friday | 25 May | 14:30-16:30
Bonn - University | HS VIII
Nadin Burkhardt (KU Eichstätt-Ingolstadt), Robinson Krämer (Universität Rostock)

14:30 - 14:50 | Robinson Krämer (Universität Rostock)
Was there an Etruscan Ritual Economy? Tracing the Organization of Production and Crafts in Etruscan Sanctuaries (8th–5th centuries BCE)

14:50 - 15:10 | Friederike Bubenheimer-Erhart (Universität Wien)
Etruskische Goldschmuckproduktion

15:10 - 15:30 | Raffaella Da Vela (Universität Leipzig)
For the pots or for the people? Organisation of space and ergonomy in Etruscan and Italic pottery workshops

15:30 - 15:50 | Dr. Nadin Burkhardt (KU Eichstätt)
Frühe Bronzewerkstattbefunde in den westgriechischen Kolonien: Struktur und Organisation

15:50 - 16:10 | Sophie Helas (Universität Bonn)
Eine eisenzeitliche Werkstatt in Gabii

Discussion
VILLAS, PEASANT AGRICULTURE, AND THE ROMAN RURAL ECONOMY

Friday | 25 May | 09:00-16:30
Bonn - University | HS V
Annalisa Marzano (University of Reading, UK)

09:00 - 09:20 | Elena Chirico
Rural villas, farms and productive infrastructures in Roman rural economy

09:20 - 09:40 | Astrid Van Oyen (Cornell University)
Planning and investment in a peasant landscape: the site of Podere Marzuolo (Tuscany, Italy)

09:40 - 10:00 | Werner Tietz (Universität zu Köln)
Temporary workforce on the Roman villa

10:00 - 10:20 | Candace Rice (University of Alberta)
Keeping up with demand: new results on agricultural specialization from the Upper Sabina Tiberina Project

10:20 - 10:40 | Claudia Forin and Maria Stella Busana
Economy and production systems in the Roman Cisalpina: some data from the study of the farms and the villae

Discussion

Coffee break

11:30 - 11:50 | Coralini Antonella (University of Bologna)
Villas and farms in the Po Valley, Arimino Placentiam

11:50 - 12:10 | Oriol Olesti (Universitat Autònoma de Barcelona)
Villas, peasant agriculture and wine production in the Ager Barcinonensis

12:10 - 12:30 | Juan Francisco Álvarez Tortosa (Universidad de Alicante)
Production models in Roman commercial agriculture: Northwest of the provincia Hispania citerior between 2nd century
BC and 2nd century AD

12:30 - 12:50  |  Josep Burch (Universitat de Girona)
Interrelation of rural settlements in the framework of an integrated economic system in the extreme northeast of the province of Hispania Citerior Tarraconensis

Discussion

Lunch break

14:30 - 14:50  |  Antoni Martín i Oliveras (Universitat Autònoma de Barcelona)
Quantifying laetanian roman wine production function (1st century BC-3rd century AD). A microeconomic approach to vineyard’s yields and winemaking processing facilities

14:50 - 15:10  |  Lisa Lodwick (University of Reading)
The organisation of cereal production in Britannia: corn-drying ovens as evidence for agricultural integration

15:10 - 15:30  |  Veselka Katsarova and Hristo Popov (National Institute of Archaeology and Museum, Sofia)
The role of agriculture for the formation and functioning of local settlement networks in the urban territory of Augusta Traiana (Province of Thrace) in 2nd-4th c. AD

15:30 - 15:50  |  Olivera Ilic (Institute of Archaeology SASA)
Roman rural settlements in the territory of Central Balkans

Discussion

Alessandro Launaro (University of Cambridge) and Marco Maiuro (Università di Roma „La Sapienza“)

Structural Determinants of Economic Performance in the Roman World
FOOD PRODUCTION AND CONSUMPTION

Friday | 25 May | 14:30-19:00
Bonn - University | HS XVI
Sabine Deschler-Erb (University of Basel)

14:30 - 14:50 | Stavros Dimakopoulos (Aristotle University of Thessaloniki)
*Educating farmers: Economic strategies in ancient Greek and Roman literature and their applications in the agricultural landscape*

14:50 - 15:10 | Giulia Falco (Polo regionale di Catania per i siti culturali)
*Snow and ice in Antiquity: supply, preserving, trade, luxury and daily consumption*

15:10 - 15:30 | Vedat Keleş - Michael Deniz Yılmaz (Ondokuz Mayıs University)
*Fishing, processing and the production of marine food in Parion*

15:30 - 15:50 | Anna Depalmas (University of Sassari)
*Wine in Sardinia. New archaeological data and research methodology*

Discussion

Coffee break

17:00 - 17:20 | Corinne Dubler (Université Paul-Valéry, Montpellier)
*OLEASTRO - Neue Ergebnisse des französisch-spanischen Forschungsprogramms*

17:20 - 17:40 | Felix Teichner (Philipps-Universität Marburg)
*Boca do Rio (Algarve, Portugal) – A center of export oriented garum production on the shore of roman Lusitania*

17:40 - 18:00 | Silvia Valenzuela (Spanish National Research Council, IMF-CSIC)
*L’économie vivrière d’Althiburos de l’époque numide à la lumière des découvertes archéologiques récentes*

Discussion
THE EXPLOITATION OF RAW MATERIALS IN THE ROMAN WORLD: A CLOSER LOOK AT PRODUCER-RESOURCE DYNAMICS

Friday | 25 May | 14:30-19:00
Bonn - University | HS III
Dimitri Van Limbergen and Devi Taelman (Ghent University)

14:30 - 14:50 | Wim De Clercq (Ghent University)
Salt for the Soldiers. The technology and economy of Roman salt-making in Northern Gaul

14:50 - 15:10 | Fernando Lopez-Sanchez (University of Oxford)
Fishing factories and the limits of navigation in the Ancient Roman Mediterranean

15:10 - 15:30 | Tibor Grull (University of Pécs)
From knowledge transfer to transplantation. Economic role of medical plants in the Roman Empire

15:30 - 15:50 | Fabian Becker (Freie Universität Berlin)
Elba deforested? New perspectives on the ancient bloomery smelting landscape of Elba Island (Tuscany, Italy)

Discussion

Coffee break

17:00 - 17:20 | Christophe Vaschalde (LabEx Archimède)
Production and management of fuel for the imperial ceramic workshop of Loron (Croatia). An archaeological and anthracological approach

17:20 - 17:40 | Gabrielle Kremer and Sophie Insulander (Institut für Kulturgeschichte der Antike, ÖAW)
Stone supply for Carnuntum and Vindobona – Provenance analysis in a historico-economical context

17:40 - 18:00 | Florent Delencre (Université de Bourgogne-Franche-Comté)
Stone resource economy during the 1st century BC in Aeduans and Lingons territories

18:00 - 18:20 | Maddalena Bassani (University of Padova)
Beyond health. The exploitation of the thermomineral resources in artisan activities

Discussion

Koenraad Verboven (Ghent University)

TOLLS AND ANCIENT ECONOMIES

Friday | 25 May | 14:30-19:00
Bonn - University | HS VII
Gabriele Cifani (University of Rome, Tor Vergata), Julien Zurbach (ENS, Paris)

14:30 - 14:50  | Gabriele Cifani (University of Rome, Tor Vergata) and Julien Zurbach (ENS, Paris)
An introduction to Tolls and the Economic history of the archaic Mediterranean societies

14:50 - 15:10  | Julien Zurbach (ENS, Paris)
Indirect taxes in the Formative period of City-States

15:10 - 15:30  | Damien Agut (CNRS)
The Egyptian Custom on the Mediterranean Sea during the Persian Period (5th and 4th centuries BCE)

15:30 - 15:50  | Laetitia Graslin
The economic policy of neo-assyrian and neo-babylonian kings regarding long distance trade

15:50 - 16:10  | Gabriele Cifani (University of Rome, Tor Vergata)
Tolls in the early roman economy

Discussion
Coffee break

17:00 - 17:20 | Juan Carlos Moreno García (CNRS)
*Tolls at Heracleopolis Magna: monitoring trade at the borders of the Nile Delta*

17:20 - 17:40 | Mario Lombardo and Flavia Frisone (University of Salento)
*The hidden resources of “empires”. Tolls, economy and political systems in Archaic Southern Italy and Sicily*

17:40 - 18:00 | Sven Günther (Institute for the History of Ancient Civilizations),
*Indirect Taxes, Tolls, Dues and the Formation of Political Economies in Archaic Greece*

18:00 - 18:20 | Peter Kritzinger (Universität Jena)
*Überlegungen zur Praxis der Zollerhebung in der römischen Antike*

Discussion

Andrew Monson (NYU)

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**ECONOMY AND THE MARITIME CULTURAL LANDSCAPE OF GREECE**

Friday | 25 May | 14:30-19:00
Bonn - University | HS VI
Michael J. Curtis (University of Leicester)

14:30 - 14:50 | Marco Schugk
*Between locality and regionality: Aspects of innercycadic networking, a view on the early Bronze Age settlement of Koukounaries on Paros*
14:50 - 15:10 | Michael Loy (University of Cambridge)
Reconstructing Archaic period interactions and exchanges through the material networks of the southern Aegean

15:10 - 15:30 | Chiara Maria Mauro (University College Dublin)
Closed harbors: an open question. A study based on Archaic-Classical evidences

15:30 - 15:50 | Katerina Velentza (University of Southampton)
The Maritime Cultural Landscape of Rhodes: Collecting the Existing Evidence

Discussion

Coffee break

17:00 - 17:20 | Michael Curtis (University of Leicester)
The economic impact of the transition from the Hellenistic to the Roman period as seen in the maritime cultural landscape of Crete

17:20 - 17:40 | Jane Francis (Concordia University)
Coast and Hinterland in Graeco-Roman Sphakia (West Crete)

17:40 - 18:00 | George W.M. Harrison (Carleton University)
The Ins and Outs of Cretan Commerce

Discussion

TRADE IN ANCIENT SARDINIA

Friday | 25 May | 09:00-16:30
Bonn - University | HS VIII
Salvatore De Vincenzo (Università degli Studi della Tuscia)
09:00 - 09:20  |  Salvatore De Vincenzo (Università degli Studi della Tuscia) and Chiara Blasetti Fantauzzi (Georg-August-Universitaet Goettingen)
Introduction: Trade in ancient Sardinia

09:20 - 09:40  |  Chiara Blasetti Fantauzzi (Georg-August-Universitaet Goettingen)
Import of Greek Pottery in Sardinia

09:40 - 10:00  |  Valentina Porcheddu
Anfore da Rodi in Sardegna. Dall’ ‘invenzione’ del commercio diretto all’economic network mediterraneo nel II secolo a.C.

10:00 - 10:20  |  Salvatore De Vincenzo (Università degli Studi della Tuscia) and Matthias Block
Production and Trade in Sardinia in Roman Times

Discussion

Coffee break

11:30 - 11:50  |  Chiara Pilo (Ministero dei beni e delle attività culturali e del turismo)
Imported pottery in the inner areas of southern Sardinia during the Roman period

11:50 - 12:10  |  Emiliano Cruccas (Università degli studi di Cagliari)
Productions, trade and pottery in the Roman city of Nora (South Sardinia) between the middle and the late imperial ages

12:10 - 12:30  |  Romina Carboni (Università degli studi di Cagliari)
Cult places and votive objects as markers of commercial and cultural relations in Late Punic and Roman Sardinia

12:30 - 12:50  |  Filippo Pisciotta
Production and Trade in Sardinia in Late Antiquity

Discussion
**POLITICS OF VALUE: NEW APPROACHES TO EARLY MONEY AND THE STATE**

**Friday | 25 May | 09:00-11:00**

**Bonn - University | HS IV**

Elon Heymans (Tel Aviv University), Marleen Termeer (Leiden University)

**SPEAKERS:**

- **09:00 - 09:20**: Elon Heymans (Tel Aviv University) and Marleen Termeer (Leiden University)
  
  *Introduction: Rethinking early money and the state*

- **09:20 - 09:40**: David Wigg-Wolf (Deutsches Archäologisches Institut)
  
  *The adoption of money by non-state societies: the example of Iron-Age northern Europe*

- **09:40 - 10:00**: Andreas Murgan
  
  *Between lumps and coins – Italy in the first millennium BC*

- **10:00 - 10:20**: Nicholas Borek (Goethe-Universität Frankfurt am Main)
  
  *More than Just Coins: A Metrological Approach to Studying Coin Hoards from the Western Mediterranean c.550-470 BCE*

- **10:20 - 10:40**: Merav Haklai (Ben-Gurion University, Israel)
  
  *How money defined the Romans*

**Discussion**

Nicola Terrenato (University of Michigan)
TRADE AND CULTURAL CONTACT IN THE IRON AGE AND ARCHAIC MEDITERRANEAN

Friday | 25 May | 09:00-13:30
Bonn - University | HS XVI

09:00 - 09:20 | Andrea Celestino Montanaro (CNR - Italian National Research Council)
Cultural processes and circulation of prestige goods in pre-Roman Apulia. The influences of Orientalizing and the relations with Greeks and Etruscans

09:20 - 09:40 | Francesco Napolitano (MIUR)
Traffici etruschi nel Golfo di Napoli tra l’ultimo trentennio del VII e la metà del VI

09:40 - 10:00 | Enrico Giovanelli (University of Milan)
Aegyptiaca in Central Tyrrhenian Italy: sea routes, traders and ideas

10:00 - 10:20 | Lorenzo Zamboni (Università di Pavia)
Trading in the multicultural emporia of the Po Valley. Crossroads of weight systems and goods

10:20 - 10:40 | Paolo Rondini (University of Pavia)
Alpine Trades

Discussion

Coffee break

11:30 - 11:50 | Martina Čelhar (University of Zadar)
Pottery as an indicator of trade dynamics and cultural contacts in the eastern Adriatic during the Iron Age and Roman periods: The case of Nadin-Gradina

11:50 - 12:10 | Veit Vaelske (Humboldt-Universität zu Berlin)
Experiencing Copper in the Phoenician Cities during Iron Age III

12:10 - 12:30 | Francisco B. Gomes (Faculty of Letters of the University of Lisbon)

Archaeology and Economy in the Ancient World
Trade and Consumption of Mediterranean Perfumes in the Iron Age Iberian Peninsula: An Overview

12:30 - 12:50 | Moritz Kiderlen (Humboldt-Universität zu Berlin)
Greek copper markets: Modelling the imports from Wadi Arabah, Cyprus, Rio Tinto and elsewhere to Greek central places ca. 1100 -700 BC

12:50 - 13:10 | Chiara Tarditi (Università Cattolica, Brescia)
Use and function of Greek bronze vessels in indigenous societies

Discussion

TRANSPORT AMPHORAE

Friday | 25 May | 14:30-19:00
Bonn - University | HS IX

14:30 - 14:50 | Rebecca Diana Klug
Transport Amphorae and the historical space – city – chora – hinterland

14:50 - 15:10 | Anthi Kaldeli (Department of Antiquities Cyprus)
Trade and exchange in the eastern Mediterranean: economic perspectives reflected in the amphorae from Cyprus

15:10 - 15:30 | Patrick Monsieur (Ghent University)
Rhodian Amphoras in the Italian Adriatic: a State of the Art in Confrontation with Local Amphora Production

15:30 - 15:50 | Diana Dobreva (University of Padova)
Aegean trade in adriatic area: new evidences from Aquileia

15:50 - 16:10 | Paulina Komar (Jagiellonian University, Krakow)
Wine and the Roman economy
Discussion

Coffee break

17:00 - 17:20 | Daniel Mateo Corredor (University of Alicante)
The trade of Adriatic wine in the southern Iberian Peninsula and its connection with the economic and social transformations in the context of the Roman Civil Wars

17:20 - 17:40 | Daniel J. Martín-Arroyo (University of Barcelona)
Trade and institution from Alexandria to Rome: The amphorae from Pompeii

17:40 - 18:00 | Juan Manuel Bermúdez Lorenzo (Universitat de Barcelona)
A través de mar y montañas: la epigrafía anfórica en Noricum

18:00 - 18:20 | Pablo Ozcáriz (Universidad Rey Juan Carlos)
Los grafitos „ante cocturam“ de las ánforas Dressel 20. Sisitematización para la elaboración de un corpus

18:20 - 18:40 | Marta Bajtler (Polish Academy of Sciences)
Who in Antiquity sealed amphorae and stamped stoppers? An attempt to understand the process based on examples of finds from Berenike (Egypt) and Risan (Montenegro)

Discussion

GREEK COINAGE

Friday | 25 May | 11:30-13:30
Bonn - University | HS IV
Peter Mittag (University of Cologne)

11:30 - 11:50 | José Miguel Puebla Morón
The Carthaginian attack to Akragas in 406 BC: Numismatic analysis
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<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>11:50 - 12:10</td>
<td>Lavinia Sole (University of Palermo)</td>
<td>Monete in contesto dall’Acropoli di Gela</td>
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<td>12:10 - 12:30</td>
<td>Antonia Nikolakopoulou (Epigraphic and Numismatic Museum)</td>
<td>Burial coins in the Peleponnese as testimonies of monetary relations and coin circulation</td>
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<td>12:30 - 12:50</td>
<td>Vassiliki Stefanaki (Epigraphic and Numismatic Museum) - Nadia Coutsinas</td>
<td>Défense et monnaie en Crète à l’époque hellénistique</td>
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<td>12:50 - 13:10</td>
<td>Hacer Çoruh (Harran University)</td>
<td>The Place of Kyzikos Coins in Antiquity Economics</td>
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<td><strong>ROMAN COINAGE</strong></td>
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<td>Friday 25 May</td>
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<td><strong>ROOM:</strong> Bonn - University</td>
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<td><strong>CHAIR:</strong> Peter Franz Mittag (University of Cologne)</td>
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<td>14:30 - 14:50</td>
<td>Renata Cantilena, Federico Carbone and Giacomo Pardini (University of Salerno)</td>
<td>Paestum, Velia, Pompeii: monetary policies in Tyrrhenian Campania from 2nd BC to 1st AD</td>
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<td>14:50 - 15:10</td>
<td>Barbara Ząjác (Institute of Archaeology)</td>
<td>Trajan’s provincial financial policy in the cities of Bithynia and Pontus</td>
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<td>15:10 - 15:30</td>
<td>Zakia Loum (Faculté des Sciences Humaines et Sociales 9 avril Tunis)</td>
<td>Le trésor de Sbiba (Tunisie): reflet d’une circulation monétaire urbaine</td>
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19th International Congress of Classical Archaeology | 22-26 May 2018
15:30 - 15:50 | Hristo Preshlenov (National Institute of Archaeology and Museum - Sofia)
*City Economy along the Pontus Coast of the Moesia Inferior and Thracia*

15:50 - 16:10 | Noé Conejo Delgado (Universidad de Sevilla)
*Monnaie et marchandise : la consommation dans les villae romaines de la Lusitanie*

**Discussion**

**Coffee break**

17:00 - 17:20 | Johannes Eberhardt (Albert-Ludwigs-Universität Freiburg)
*History from Italian Cast Coinage*

17:20 - 17:40 | Katrin Westner (Johann Wolfgang Goethe Universität Frankfurt)
*Geochemical characterisation of aes coinage from the Western Mediterranean, 5th to 2nd centuries BCE*

17:40 - 18:00 | George Azzopardi (Nil)
*Common concerns, assimilated cults: an assimilation of Tanit with Ceres in early Roman Melite*

18:00 - 18:20 | Steven Hijmans (University of Alberta)
*Art and Economy: Images on Roman Coins*

**Discussion**

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**MATERIAL RECORDS, CONSUMPTION AND LOCAL HABITS IN A PROTO-GLOBAL ANTIQUITY**

**DAY AND TIME:** Friday | 25 May | 17:00-19:00

**ROOM:** HS VIII

**ORGANISER/CHAIR:** Erich Kistler (Universität Innsbruck)

**SPEAKERS:**

17:00 - 17:20 | Erich Kistler (Institute for Archaeologies)
*Consumption habits and and ceramic fingerprints on the Archaic Monte lato (6th/5th cent. B.C.)*
17:20 - 17:40 | Matthias Hoernes (Universität Innsbruck)
No Need to Tighten the Belt: ‘Valuing’ Metal Objects in Reused Tombs in Pre-Roman Apulia

17:40 - 18:00 | Lisa Peloschek (University of Copenhagen)
A shared material culture: Rhodes and the Eastern Mediterranean in the Hellenistic and Roman periods

18:00 - 18:20 | Julia Martin (Freie Universität Berlin)
Clay-made environment. Some aspects of bricks as an element of material culture

Discussion

ASSEMBLAGES OF TRANSPORT AMPHORAS: FROM CHRONOLOGY TO ECONOMICS AND SOCIETY

Friday | 25 May | 09:00-13:30
Bonn - University | HS IX

Mark Lawall (University of Manitoba)

09:00 - 09:20 | Alexandra von Miller (MLU Halle Wittenberg)
Amphorae at Taxiarchis Hill, Didyma: Economy and Cult of an Archaic Sanctuary in the Light of Its Assemblage of Transport Jars

09:20 - 09:40 | Antonio Saez Romero (University of Seville)
Greek wine and Punic fish? The amphorae from a specialized tavern of the Classical period at Corinth

09:40 - 10:00 | Yiftah Shalev (Israel Antiquities Authority)
Aegean Amphorae in the Southern-Levant during Persian Period: A synthesis of distribution patterns

10:00 - 10:20 | Stella Demesticha (University of Cyprus)
The Mazotos Shipwreck Cargo, 4th Century BC
10:20 - 10:40 | Konstantinos Filis (Hellenic Ministry of Culture & Sports. Ephorate of Antiquities of Achaia)
Transport amphorae from domestic and workshops facilities as indicators for economic changes in the societies of NW Peloponnese from late 6th to 2nd century BC

Discussion

Coffee break

11:30 - 11:50 | Gerald Finkielsztejn (Israel Antiquities Authority)
Assemblages of Amphoras in the Hellenistic Southern Levant: from chronology to economics (and History)

11:50 - 12:10 | Stella Skaltsa (University of Copenhagen)
The stamped amphora handles from the so-called ‘temenos of Helios’ in Rhodes: context, chronology and function

12:10 - 12:30 | Horacio Gonzalez Cesteros (Austrian Academy of Sciences) and Hannah Liedl
Ephesus in the Julio-Claudian period. New evidences of consume, cult and exchanges from the Terrace House 2

12:30 - 12:50 | Anna Nagy
Amphorae from Brigetio (Pannonia): Archaeology and Archaeometry

Discussion

RECYCLING AND REUSE OF SCULPTURE IN ROMAN AND LATE ANTIQUE TIMES

Friday | 25 May | 14:30-19:00
Bonn - University | HS I
Caterina Parigi (University of Cologne)
**SPEAKERS:**

14:30 - 14:50  |  Christiane Vorster (Rheinische Friedrich-Wilhelms-Universität Bonn)  
Economy or added value – the reuse of statues in Late Antiquity

14:50 - 15:10  |  Caterina Parigi (Universität zu Köln)  
Recycling of sculptures as building material: the case of Athens

15:10 - 15:30  |  Ralf Krumeich (Rheinische Friedrich-Wilhelms-Universität Bonn)  
Recalling the Past and Saving Money? Some Observations on the Reuse of Statue Bases and Sculptures on the Athenian Acropolis of the Late Hellenistic and Roman Imperial Periods

15:30 - 15:50  |  Panayiotis Panayides  
The reuse of sculptures in public bath buildings in Late Antiquity

15:50 - 16:10  |  Simon Barker (Norwegian Institute in Rome)  
Beyond re-worked portraits: other forms of re-use and re-carving in Roman sculpture

**Discussion**

**Coffee break**

17:00 - 17:20  |  Claudia García Villaba (Universidad de Zaragoza)  
Images without power. The practice of recycling and reusing Roman imperial sculpture in the North-East of Hispania. Case studies from the 1st to the 2nd century

17:20 - 17:40  |  Carlos Márquez (Universidad de Córdoba)  
Una escultura de Calígula sedente procedente de la provincia Baetica

17:40 - 18:00  |  Cristina Murer (Freie Universität Berlin)  
Recycling roman funerary sculpture in Italy and the West

18:00 - 18:20  |  Roberta Ruotolo (Pontificio Istituto di Archeologia Cristiana)  
Il fenomeno del reimpiego come pratica edilizia. Un caso di studio dalle aree centrali di Ostia

18:20 - 18:40  |  Christof Eva (Karl-Franzens-Universität Graz)  
Late antique statue bases made from former Roman grave monuments, the surprising life cycle of Roman stone artefacts
Discussion

Dietrich Boschung and John Pollini (Universität zu Köln/Internationales Kolleg Morphomata)

THE ECONOMY OF DEATH: NEW RESEARCH ON COLLECTIVE BURIAL SPACES IN ROME FROM THE LATE REPUBLICAN TO LATE ROMAN PERIOD

Friday | 25 May | 09:00-13:30
Bonn - University | HS XV
Thomas Fröhlich and Norbert Zimmermann (Deutsches Archäologisches Institut, Rome)

09:00 - 09:20 | Dorian Borbonus
Economic strategies in the collective tombs of Imperial Rome

09:20 - 09:40 | Thomas Fröhlich (Deutsches Archäologisches Institut) - Silke Haps (Technische Universität Dortmund)
Große Gemeinschaftsgräber im frühkaiserzeitlichen Rom: Wirtschaftliche und soziale Aspekte ihrer Erbauung, Ausstattung und Nutzung

09:40 - 10:00 | Clarissa Blume-Jung

10:00 - 10:20 | Barbara Borg (University of Exeter)
Peter and Paul ad catacumbas: a pozzolana mine reconsidered

10:20 - 10:40 | Michela Stefani (Università degli Studi Roma Tre)
The large collective burial monuments of the Scipio’s Tomb in Rome

Discussion
Coffee break

11:30 - 11:50 | Norbert Zimmermann (DAI)
Beobachtungen zu wirtschaftlichen Aspekten der römischen Katakomben: Grundbesitz, Graberwerb, Grabnutzung und Grabausstattung im Spiegel archäologischer Quellen

11:50 - 12:10 | Antonio Enrico Felle (Università degli Studi di Bari „Aldo Moro“)
The „written death“ in collective funerary settlements. Some case studies

12:10 - 12:30 | Agnese Pergola (Pontificio Istituto di Archeologia Cristiana)
Un cimitero comunitario per l’aristocrazia romana. Il peculiare caso della catacomba dei Ss. Marco Marcelliano e Damaso

12:30 - 12:50 | Roberta Ruotolo (Pontificio Istituto di Archeologia Cristiana)
Il porto di Roma: caratteri di continuità e di discontinuità con i cimiteri dell’Urbe. Il riutilizzo degli spazi funerari di età classica come modello economico o fenomeno di parassitismo architettonico?

Discussion

Irene Bragantini (Università degli Studi di Napoli „L’Orientale“)

FUNERARY ECONOMY

PANEL 7.5

DAY AND TIME: Friday | 25 May | 14:30-16:30
ROOM: Bonn - University | HS XV
CHAIR: Eberhard Thomas (University of Cologne)

SPEAKERS:

14:30 - 14:50 | Corinna Reinhartd
The value of making and the materiality of funerary monuments in archaic Greece
### Funerary painting and architecture in Daunia between 4th and 3rd century AC. Models and cultural influences

**Andrea Celestino Montanaro (CNR - Italian National Research Council)**

14:50 - 15:10

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**Funerary painting and architecture in Daunia between 4th and 3rd century AC. Models and cultural influences**

14:50 - 15:10 | Andrea Celestino Montanaro (CNR - Italian National Research Council)

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**Non omnis moriar. Strategie di sopravvivenza alla morte nella necropoli romana di Karalis sul colle di Tuvixeddu**

**Giovanna Pietra (Soprintendenza Archeologica Cagliari)**

15:10 - 15:30

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**De sua pecunia. The socio-economic landscape of the funerary world in Hispania**

**Ana Ruiz-Osuna (Universidad de Córdoba)**

15:30 - 15:50

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**The Power of Hands: Decoding Non-verbal Knowledge Transfer on the Roman Provincial Tombstones**

**Tatiana Ivleva (Newcastle University)**

15:50 - 16:10

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**Discussion**

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### SHOPS, WORKSHOPS AND URBAN ECONOMIC HISTORY IN THE ROMAN WORLD

**Friday | 25 May | 09:00-13:30**

**Bonn - University | HS XII**

**Miko Flohr (University of Leiden), Nicolas Monteix (Université de Rouen)**

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**Salve Lucrum?: Questioning the economic (ir)rationality of Roman retail landscapes**

**Steven Ellis (University of Cincinnati)**

09:00 - 09:20

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**Commerce and architecture in the late Hellenistic world: the emergence of the taberna row**

**Miko Flohr (University of Leiden)**

09:20 - 09:40

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**Shop Design as Marketing Strategy in The Shops of Roman Ostia**

**Rhodora Vennarucci (University of Arkansas)**

09:40 - 10:00

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**Discussion**

10:00 - 10:20 | Adeline Hoffelinck (Ghent University)
New light on the commercial landscape of Roman cities: towards an archaeological research agenda

Discussion

Coffee break

11:30 - 11:50  |  Jeroen Poblome (University of Leuven)
Work/Shop till you drop. Collated evidence from South-Western Asia Minor on (work)shops and associated people, between Hellenistic times and late antiquity

11:50 - 12:10  |  Elizabeth Murphy (University of Bonn)
Spatial Developments in Urban Industry from Roman Imperial to Late Antique Periods in the Eastern Mediterranean

12:10 - 12:30  |  Helmut Schwaiger (Österreichisches Archäologisches Institut)
A Late Antique City Quarter in Ephesos: Social Differentiation and Functional Heterogeneity

Discussion

TOWN-COUNTRY RELATIONS IN THE NORTHERN PARTS OF GERMANIA INFERIOR FROM AN ECONOMIC PERSPECTIVE

Friday | 25 May | 11:30-13:30
Bonn - University | HS XIII
Marion Brüggler and Julia Obladen-Kauder (LVR-Amt für Bodendenkmalpflege im Rheinland), Harry Van Enckevort (Gemeente Nijmegen, Bureau Archeologie en Monumenten)

11:30 - 11:50  |  Christoph Eger (LVR-RömerMuseum)
Colonia Ulpia Traiana: the economy of a garrison and border town at the Lower Germanic Limes

11:50 - 12:10  |  Marion Brüggler and Renate Gerlach (LVR-Amt für Bodendenkmalpflege im Rheinland)
The hinterland of the Colonia Ulpia Traiana (Xanten): Supply basis for the town?
THE AESTHETICS OF URBAN PRODUCTION AND TRADE

Friday | 25 May | 09:00-13:30
Bonn - University | HS XIV
Annette Haug (Universität Kiel), Johannes Lipps (Universität Tübingen)

09:00 - 09:20 | Annette Haug (Universität Kiel) and Johannes Lipps (Universität Tübingen)
Introduction

09:20 - 09:40 | Mantha Zarmakoupi (University of Birmingham)
The aesthetics of branding in late Hellenistic Delos

09:40 - 10:00 | Armando Cristilli (University of Rome „Tor Vergata“)
Aesthetics as approval of urban trade? The porch and its variations on the main façade of the Roman macellum

10:00 - 10:20 | Taylor Lauritsen (Christian-Albrechts-Universität zu Kiel, CAU)
Wall Decoration in Roman Commercial Space

Discussion

Coffee break
11:30 - 11:50 | Pia Kastenmeier (Kunsthistorisches Institut in Florenz)
*Rural Pompeii: vineyards, leisure, gladiators and Priapos*

11:50 - 12:10 | Simona Perna
*Architecture, décor and aesthetics of a statio negotiatorum from the early Imperial period at Murecine (Campania)*

12:10 - 12:30 | Michael Feige (Christian-Albrechts-Universität zu Kiel, CAU)
*Productive Installations of Roman Villas as Scenery for the Luxurious Living and the Representation of the Urban Elite*

12:30 - 12:50 | Wolfgang Filser
*Emulation als Leitmotiv. Conspicuous consumption in der Casa della Fontana Piccola*

12:50 - 13:10 | Jessica Bartz (Humboldt-Universität zu Berlin)
*Trading between judicial, political, religious and social requirements. The economic history of the Roman Forum*

Discussion

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**PANEL 8.12**

**Roman Street and Urban Economy**

**Day and Time:** Friday | 25 May | 17:00-19:00

**Room:** Bonn - University | HS XIV

**Organiser/Chair:** Thomas Morard and Grégory Mainet (Université de Liège)

**Speakers:**

17:00 - 17:20 | Laura Ficuciello (University of Naples „L’Orientale“)
*The Commercial Streetscape of the Hellenistic Cities and the Development of the Roman Streetscape*

17:20 - 17:40 | Grégory Mainet (Université de Liège)
*The Roman Streets Development and the Place of Economic Activities in the Urban Fabric*

17:40 - 18:00 | Riccardo Helg (Independent researcher)
*Tensor, copo, cocus, lanius sua limina seruant (Mart. VII, 61): spazi di commercio e architettura delle facciate lungo la Via di Nola a Pompei*
18:00 - 18:20  |  Daniela Liberatore and Riccardo Di Cesare (Università di Foggia)
The road system of ancient Alba Fucens: town planning, trade and economy

18:20 - 18:40  |  Marine Lepee (Université Lyon 2)
Network of streets and shops in the upper town of Lugdunum between the 1st century BC and the 3rd century AD

Discussion

CENTRAL PLACES AND UN-CENTRAL LANDSCAPES: POLITICAL ECONOMIES AND NATURAL RESOURCES IN THE LONGUE DURÉE

Friday | 25 May | 09:00-16:30
Bonn - University | HS XI
Giorgos Papantoniou (University of Bonn), Athanasios Vionis (University of Cyprus)

09:00 - 09:20  |  Athanasios Vionis (University of Cyprus) and Giorgos Papantoniou (University of Bonn)
Central Place Theory reloaded and revised: Landscape archaeology and political economy

09:20 - 09:40  |  Jennifer Webb (La Trobe University)
Shifting centres: political, ideological and economic authority on the north coast of Cyprus over the longue durée of the prehistoric Bronze Age

09:40 - 10:00  |  Diamantis Panagiotopoulos (University of Heidelberg)
Unravelling the ancient and modern potential of (un-)central places: The case of Minoan Koumasa

10:00 - 10:20  |  Maria Iacovou (University of Cyprus)
From the Hinterland to the Coastal Landscape: the political economy of a Cypriot central place

10:20 - 10:40  |  Christy Constantakopoulou (Birkbeck College)
Landscape and hunting: the economy of the eschatia
Discussion

Coffee break

11:30 - 11:50  |  Giorgia Di Paola (University of Foggia)
Central places and liminal landscapes in the territory of Populonia

11:50 - 12:10  |  Kyriakos Kyrousis (University of Cologne)
Hellenistic Foundations in Asia Minor and their Economic Impact on a Local and Regional Scale

12:10 - 12:30  |  Rabea Reimann (University of Cologne)
Approaching ‘central place theory’ in Greco-Roman Egypt: a closer look at the production and consumption of pottery at Bubastis

12:30 - 12:50  |  Anna-Katharina Rieger (University of Graz)
“Un-central” arid landscapes of NE-Africa and W-Asia – landscape archaeology as tool for economic history

12:50 - 13:10  |  Jody Michael Gordon (Wentworth Institute of Technology)
Transforming Culture on an Insula Portuosa Romana: Port Cities as Central Places in Early Roman Cyprus

Discussion

Lunch break

14:30 - 14:50  |  Lina Diers
Timacum Minus in Moesia Superior - Centrality, regional patterns, and urbanism at a Roman mining site

14:50 - 15:10  |  Gregor Utz
From contrary models to complementary ones - Central Places and Gateways in the Southern Provence (Arles and Marseille)

15:10 - 15:30  |  Eli Weaverdyck (University of Freiburg)
Understanding the central place functions of Roman forts through landscapes

15:30 - 15:50  |  Erik Timmerman (University of Cologne)
The Romanization of socio-economic life in the Lower Rhine region: blessing or curse?

15:50 - 16:10  |  Giorgos Papantoniou (University of Bonn) and Athanasios Vionis (University of Cyprus)
River as an economic asset: settlement and society in the Xeros Valley in Cyprus

Discussion
John Bintliff (University of Edinburgh)

EXTERNAL DISCUSSANT:

PANEL 8.17

DAY AND TIME:  
Friday | 25 May | 14:30-16:30
ROOM:  
Bonn - University | HS XII

SPEAKERS:

14:30 - 14:50  |  Riccardo Di Cesare (Università degli Studi di Foggia)
Workshops and Tabernae: New Data for the Economic History of Alba Fucens

14:50 - 15:10  |  Eva Riediker-Liechti (Universität Zürich)
Wirtschaft und Handel auf dem Monte Iato (Sizilien) in römischer Zeit - das Beispiel der Garküche

15:10 - 15:30  |  Jordi Pérez González (Universitat de Barcelona)
The Singularity of Rome. The sumptuary city

15:30 - 15:50  |  Macarena Bustamante-Álvarez
The domestic tabernae in Hispania

15:50 - 16:10  |  Hilary Becker (Binghamton University)
Commerce in color: product choice in pigments at the Roman marketplace

Discussion
ROMAN WATER MANAGEMENT AND INFRASTRUCTURE

Friday | 25 May | 14:30-16:30
Bonn - University | HS XIV
Norbert Hanel (University of Bochum)

SPEAKERS:
14:30 - 14:50 | Leonardo Radicioni (Sapienza, Università di Roma)
*The importance of water infrastructures in Rome: technical-structural analysis of a section of Aqua Claudia and its maintenance and consolidation works*

14:50 - 15:10 | Konstantinos Tziampasis
*Following the ruins of the aqueduct in ancient Lyttos*

15:10 - 15:30 | Paolo Storchi and Ilaria Trivelloni (Sapienza, Università di Roma)
*Rivers of blood: the role of the water in the functioning of ancient Roman buildings for public spectacles*

Discussion

SOCIAL GROUPS AS ECONOMIC ACTORS

Friday | 25 May | 17:00-19:00
Bonn - University | HS II
Walter Ameling (Universität zu Köln)

SPEAKERS:
17:00 - 17:20 | Aleksandra Nikoloska (Macedonian Academy of Sciences and Arts)
*The gymnasium, statuary production and religious life in Stybera*

17:20 - 17:40 | Robert Stephan (University of Arizona)
*The Business of Bodies: Calculating Return on Investment for Pimps in the Roman World*

17:40 - 18:00 | Marius C. Streinu (Institutul Național al Patrimoniului/National Heritage Institute)
The cost of gladiators events in the Black Sea

Discussion

CITY AND COUNTRYSIDE IN THE ROMAN EAST

Friday | 25 May | 09:00-11:00
Bonn - University | HS XIII
Alfred Schäfer (Römisch-Germanisches Museum, Köln)

09:00 - 09:20  | Erika Jeck (University of Chicago)
Reinterpreting Survey Data, Reimagining Roman Greece

09:20 - 09:40  | George Cupcea (University Babes-Bolyai)
The Rural Environment of Northern Dacia. Systems of Habitat, Production and Supply

09:40 - 10:00  | Alina Streinu (Bucharest Municipality Museum)
The evolution of rural sites in Moesia Inferior/Scythia Minor

10:00 - 10:20  | Musa Kadioğlu (Ankara Üniversitesi)
Wirtschaftliche Entwicklung von Teos

Discussion

URBAN ROMAN PRODUCTION AND DISTRIBUTION SITES

Friday | 25 May | 17:00-19:00
Bonn - University | HS XII
CHAIR: Elizabeth Murphy (Universität Bonn, Graduiertenkolleg 1878)

SPEAKERS:

17:00 - 17:20 | Vanessa Elizagoyen (Institut National de Recherche Archéologique Préventive)
New evidence on leatherworking during Antiquity: the case of the Burdigala Jean Fleuret site (Bordeaux, Nouvelle Aquitaine, France)

17:20 - 17:40 | Elisa Panero (Musei Reali di Torino)
Workshops and economic history in a roman town: An artisanal wool activity in Vercellae, Italy

17:40 - 18:00 | Jared Benton (Old Dominion University)
Workshops, not Factories: Late-Antique Bakeries outside of Large Urban Centers

18:00 - 18:20 | Javier Salido (Universidad Complutense de Madrid)
Bakeries and Mills in Hispania

Discussion

PANEL 11.3 (DOUBLE)

CITY-HINTERLAND RELATIONS ON THE MOVE? THE IMPACT OF SOCIO-POLITICAL CHANGE ON LOCAL ECONOMIES FROM THE PERSPECTIVE OF SURVEY ARCHAEOLOGY

DAY AND TIME: Friday | 25 May | 14:30-19:00
ROOM: Bonn - University | HS XIII
ORGANISER/CHAIR: Tymon De Haas, Dean Peeters and Luigi Pinchetti (Research Training Group 1878, Universities of Cologne and Bonn)

SPEAKERS:

14:30 - 14:50 | Alexandre Baralis (Musée du Louvre)
The impact of the Greek colonization process on the local socio-economical pattern in the southern Danubian delta

14:50 - 15:10 | Anton Bonnier (Uppsala University)
GIS-based kernel density analysis and the re-evaluation of previously published survey datasets from the Peloponnese, Southern Greece
15:10 - 15:30 | Vladimir Stissi (University of Amsterdam)
A tale of five cities: comparing survey finds from Boeotian poleis from the Early Iron Age till the Roman takeover

15:30 - 15:50 | Dean Peeters (Universität zu Köln)
Micro-regions and socio-economic change in and around Late Antique Askra and Tanagra (Boeotia, Central Greece): Ceramic production and circulation in dialogue

Discussion

Coffee break

17:00 - 17:20 | Gijs Tol (The University of Melbourne)
The impact of Early Roman expansion in the Pontine Region; combining landscape archaeological and ceramic approaches

17:20 - 17:40 | Simonetta Menchelli (University of Pisa)
Ceramic Sherds and Roman Economies in Picenian Landscapes

17:40 - 18:00 | Luigi Pinchetti (Universität Bonn)
Studying late antique settlement hierarchies in the framework of catchment productivity: a review of legacy survey data from Southern Central Italy (Molise)

18:00 - 18:20 | Amaury Gilles (Université Paul Valéry UMR 5140)
Economie et société dans le territoire de la colonie romaine de Valence (Gallia narbonensis)

Discussion

Jeroen Poblome (KU Leuven)
09:00 - 09:20  |  Artemios Oikonomou (University of Nottingham)
_Other content_
ARCHAEOINFORMATICS

A new branch of study at the Institute of Archaeology, Cologne

Data Modelling & Data Science
Database Theory & Design, Statistics, R

Spatial Analysis & Spatial Modelling
GIS, Spatial Statistics, Simulation

3D Documentation
SfM, RTI, Laserscan, 3D Printing

3D Reconstruction
Scientific Reconstruction, 3D-Modelling, VR, AR

Digital Humanities
Various course options

Placements (Praktika)
Practical experience in Digital Archaeology
DURATION 4 semesters (full-time)
LANGUAGE English and German
DEGREE OPTIONS MA in Archäologie, specialisation in Archaeoinformatics (120 ECTS) –
can be combined with a specialisation in: Prehistoric Archaeology, Classical Archaeology, Archaeology of the Roman Provinces or Egyptology – or – Double-major MA (in combination with a discipline other than archaeology)
ERASMUS Courses open to Erasmus students
MORE INFO http://archaeoinformatik.uni-koeln.de
CONTACT Co-ordinator (Archaeoinformatics) Prof. Dr. Eleftheria Paliou, e.paliou@uni-koeln.de
SEBASTIAN HAGENEUER, M.A., s.hageneuer@uni-koeln.de
UNIVERSITY OF BONN
(MAIN BUILDING)
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<td>Organization of space and work: potter’s workshops in the Greek World</td>
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<td>Part 2**&lt;br&gt;<strong>From the quarry to the monument. The process behind the process: Design and Organization of the work in ancient architecture</strong>&lt;br&gt;Organiser/Chair: A. Ottati, M. Serena Vinci&lt;br&gt;Details: p. 219</td>
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<td>Part 1**&lt;br&gt;<strong>Men, Goods and Ideas traveling over the sea: Cilicia at the crossroad of Eastern Mediterranean trade network</strong>&lt;br&gt;Organiser/Chair: E. Equini&lt;br&gt;Details: p. 220-221</td>
<td>**Panel 5.16</td>
<td>Part 2**&lt;br&gt;<strong>Men, Goods and Ideas traveling over the sea: Cilicia at the crossroad of Eastern Mediterranean trade network</strong>&lt;br&gt;Organiser/Chair: E. Equini&lt;br&gt;Details: p. 221</td>
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| **09:00-11:00** | Panel 8.11 | Cities, Micro-regions and Economy in an Interdisciplinary Perspective. Three Case Studies from Hellenistic-Roman Asia Minor  
Organiser/Chair: B. Ludwig, F. Pirson, U. Mania, D. Knitter  
Details: p. 227-228 | Panel 12.1 | Classical Archaeology in a Digital World (The AIAC presidential panel)  
Chair: K. Göransson  
Details: p. 229 | Panel 3.5 | A. Making Wine in Western-Mediterranean  
B. Production and the Trade of Amphorae: some new data from Italy  
Organiser/Chair: J.-P. Brun, N. Garnier, G. Olcese  
Details: p. 209 | Panel 6.2 | The eternal message of marble: prestige, symbolism and spolia in the Western Roman provinces  
Organiser/Chair: V. García-Entero, D. Gorostidi Pi, A. Gutiérrez García-M., O. Rodríguez Gutiérrez  
Details: p. 224-225 |
| **11:30-13:30** | Panel 8.11 | Cities, Micro-regions and Economy in an Interdisciplinary Perspective. Three Case Studies from Hellenistic-Roman Asia Minor  
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| **14:30-16:30** | Panel 2.6 | The Economic Structure of Eastern Anatolian Highland from Urartian Period to the End of Late Antiquity  
Organiser/Chair: M. Işıklı  
Details: p. 206-207 | Panel 12.8 | 3D documentation and interpretation of ancient buildings  
Chair: E. Paliou  
Details: p. 231 | Panel 3.29 | Production and distribution of Roman pottery  
Chair: A. Martin  
Details: p. 217-218 | Panel 3.12 | Pre-modern Industrial Districts  
Organiser/Chair: M. Herdick, A. Hunold, H. Schaaff  
Details: p. 212-213 |
Room HS XV

Panel 7.1 | Part 1
Religious Investment and Ritual Consumption in Peloponnesian Sanctuaries
Organiser/Chair: S. Feuser
Details: p. 226

Panel 7.1 | Part 2
Religious Investment and Ritual Consumption in Peloponnesian Sanctuaries
Organiser/Chair: S. Feuser
Details: p. 227

Panel 3.13
The rise of bling: charting the incredible increase in the consumption of decorative metal objects in the Roman Empire
Organiser/Chair: S. Hoss
Details: p. 213-214

FACTS & FIGURES
As of: 07.05.2018
1277 Bookings
1031 Abstracts
910 Paper abstracts
6 Workshops
115 Posters
44 Countries

GENDER BALANCE
Speaker:
49 % male, 51 % female
Panel organiser:
45 % male, 55 % female
Travel grants:
40 % male, 60 % female

FAREWELL DRINKS
PANEL 2.5
HALOS, A CITY STATE ON THE EDGE?

DAY AND TIME: Saturday | 26 May | 14:30-16:30
ROOM: Bonn - University | HS V
ORGANISER/CHAIR: Vladimir Stissi (University of Amsterdam)

SPEAKERS:
- 14:30 - 14:50 | Vasso Rondiri (Ephorate of Antiquities of Magnesia)
  Reconsidering archaeological landscapes in the broader area of ancient Halos
- 14:50 - 15:10 | Vladimir Stissi (University of Amsterdam)
  Halos pottery in its landscape: a diachronic ceramic perspective
- 15:10 - 15:30 | Sofia Voutsaki (University of Groningen)
  A landscape approach to Halos: new questions, methods and challenges
- 15:30 - 15:50 | Margriet Haagsma (University of Alberta)
  The Unsustainable City: domestic economies, environment, and the maintenance of the urban landscape in Hellenistic Halos
- 15:50 - 16:10 | Eleni Panagiotopoulou (University of Groningen)
  Diet reconstruction in Early Iron Age and Hellenistic Halos

Discussion

PANEL 2.6
THE ECONOMIC STRUCTURE OF EASTERN ANATOLIAN HIGHLAND FROM URARTIAN PERIOD TO THE END OF LATE ANTIQUITY

DAY AND TIME: Saturday | 26 May | 14:30-16:30
ROOM: Bonn - University | HS XI
ORGANISER/CHAIR: Mehmet Isikli (Atatürk University)
14:30 - 14:50  |  Ayşegül Akin Aras (Atatürk University)
Socio-economic Structure of the Eastern Anatolia Region before Urartian Kingdom

14:50 - 15:10  |  Mehmet Isikli and Oguz Aras (Atatürk University)
Observations on the Urartian Economy in Light of the Excavations at Ayanis Castle

15:10 - 15:30  |  Leila Afshari (Atatürk University)
The Economic Conditions of the Eastern Anatolian Highland (Armenia Satrapy) during the Achaemenid Period

15:30 - 15:50  |  Nusret Burak Özsoy (Erzurum Technical University) and Elif Yavuz (Atatürk University)
The Economic and Political State of Eastern Anatolian during the Classical Period

15:50 - 16:10  |  Ahmet Cuneydi Has and Ayşegül Akin Aras (Atatürk University)
Economic Mobility in Eastern Anatolia during the Byzantine Period

Discussion

Organization of Space and Work: Potter’s Workshops in the Greek World

Saturday | 26 May | 14:30-16:30
Bonn - University | HS III
Jon Albers (Universität Bonn)

14:30 - 14:50  |  Jon Albers (Universität Bonn)
Spatial organization of a potter’s workshop in Selinous

14:50 - 15:10  |  Jan Marius Müller (Rheinische Friedrich-Wilhelms-Universität Bonn)
Tools, products and objects of everyday live: The inventory of a Selinuntine workshop-building destroyed in 409 B.C.

15:10 - 15:30  |  Giovanna Greco (Università degli Studi di Napoli FEDERICO II)
Cuma: importazioni e produzioni nella città arcaica e classica

19th International Congress of Classical Archaeology | 22-26 May 2018
(RE)PRODUCING IMAGES OF THE DIVINE BETWEEN LATE REPUBLICAN TIMES AND LATE ANTIQUITY

Saturday | 26 May | 14:30-16:30
Bonn - University | HS II
Marlis Arnhold (Universität Bonn)

SPEAKERS:

14:30 - 14:50 | Anna-Katharina Rieger (University of Graz)
Multiplied gods: the significance of repetition and modular production of image-objects of Graeco-Roman deities

14:50 - 15:10 | Antonino Crisà (University of Warwick)
Religion, micro-economies and divinities reproduction on small tesserae in Roman Sicily

15:10 - 15:30 | Regina Hanslmayr
Hermes: the Commercial Success of an Economic and Multifunctional Format of Antique Sculpture

15:30 - 15:50 | Marlis Arnhold (Universität Bonn)
Economizing images of the divine

15:50 - 16:10 | Kristine Iara (American Academy in Rome)
Reproducing and disseminating signs: late antique Rome

Discussion
A. MAKING WINE IN WESTERN-MEDITERRANEAN B. PRODUCTION AND THE TRADE OF AMPHORAE: SOME NEW DATA FROM ITALY

Saturday | 26 May | 09:00-13:30
Bonn - University | HS XIII
Jean-Pierre Brun (Collège de France), Nicolas Garnier (SAS Laboratoire N. Garnier / Ecole Normale Supérieure de Paris AOROC), Gloria Olcese (Sapienza, Università di Roma)

09:00 - 09:20  |  Jean-Pierre Brun (Collège de France)
*From oil to wine? A balanced view on the production of the most emblematic agricultural products of Antiquity*

09:20 - 09:40  |  Gabriella De Lorenzis (Università degli studi di Milano)
*Genomic tools to reconstruct the grapevine domestication and evolution in the western Mediterranean basin*

09:40 - 10:00  |  Laurent Bouby (ISEM UMR 5554, CNRS, Montpellier University)
*Cultivated grapes in Roman Gaul. Archaeobotanical data*

10:00 - 10:20  |  Nicolas Garnier (Laboratoire Nicolas Garnier)
*Multidisciplinary Research on Wine Production in Southern Italy: Rock-Cut Units (“palmenti”) and Organic Residues in Economic-Historical Context*

10:20 - 10:40  |  Anna Depalmas (Università di Sassari) - Cinzia Loi (Ispettore Onorario SABAP-CA)
*Wine in Sardinia. New archaeological data and research methodology*

Discussion

Coffee break

11:30 - 11:50  |  Yolanda Peña Cervantes (National University of Distance Education, UNED)
*Wine production in the Iberian Peninsula in the Roman period: Archaeology, Archaeobotany and Biochemical Analysis*

11:50 - 12:10  |  Maxine Anastasi and Nicholas Vella (University of Malta)
*From Vine to vat and beyond: the case of ancient Malta*
Wine and Sea: Production and Trade of Wine and Amphorae from Latium and Campania. New Data Based on Archaeological and Archaeometric Research

Wine production and distribution in the Vesuvian region: new evidence for old questions

Hispanic imports to Rome and Ostia in the Early Imperial Age: new data from amphorae

Discussion

David Mattingly (University of Leicester)

MESSAPIA: ECONOMY AND EXCHANGES IN THE LAND BETWEEN IONIAN AND ADRIATIC SEA

Saturday | 26 May | 14:30-16:30
Bonn - University | HS VI
Francesco D’Andria and Grazia Semeraro (Università del Salento)

Methods and practices in studies of the economy of Messapia

Consumption of luxury goods and art among Messapian aristocrats

Textile Manufacture in Messapia
15:30 - 15:50  |  Francesco D’Andria (University of Salento)
Economy of the cult in Messapia

15:50 - 16:10  |  Jacopo De Grossi Mazzorin and Claudia Minniti (University of Salento)
The use of animals in economic practices and ritual offerings of Messapia

Discussion

CONTEXTUALIZING CRAFTSMANSHIP IN THE ANCIENT WORLD: AN „ECONOMIC“ SPHERE?

Saturday | 26 May | 09:00-13:30
Bonn - University | HS III
Mario Denti (Université Rennes 2)

09:00 - 09:20  |  Mario Denti (Université Rennes 2)
Introduction to the panel 'Contextualizing craftsmanship in the ancient world: an „economic“ sphere?'

09:20 - 09:40  |  Sandra Blakely (Emory University)
Metallurgy between Myth and Production: cognized and operational craft in the Northeastern Aegean

09:40 - 10:00  |  Julien Zurbach (Ecole normale supérieure)
Domestic vs commercial? Non-elite craftsmen between Mycenaean and Archaic times

10:00 - 10:20  |  Despina Tsiafaki („Athena“ Research Center)
Crafts and craftsmanship within the societies of Northern Greece in Archaic times

10:20 - 10:40  |  Mario Denti (Université Rennes 2)
Craftsmanship and gentilitial empowerment in the South Italian Iron Age

Discussion
Coffee break

11:30 - 11:50 | Mathilde Villette (Université Rennes 2)
*Greeks and indigenous potters in a same craft-working area of the South Italian Iron Age*

11:50 - 12:10 | Katherine Harrington (Florida State University)
*Craft and Community: Social and Economic Adaptation in the Corinthian Potters’ Quarter*

12:10 - 12:30 | Desirè Di Giuliomaria (Rheinische Friedrich-Wilhelms-Universität Bonn)
*The Roofing Decorative Systems in Rome during 6th c. BC. Dynamics between Monarchy and Craftsmanship*

12:30 - 12:50 | Elisabeth Günther (Freie Universität Berlin)
*Economic strategies and their frames of reference: The case of the Paestan Asteas-Python-workshop*

Discussion

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PANEL 3.12

**PRE-MODERN INDUSTRIAL DISTRICTS**

**DAY AND TIME:** Saturday | 26 May | 14:30-16:30

**ROOM:** Bonn - University | HS XIV

**ORGANISER/CHAIR:** Michael Herdick, Angelika Hunold and Holger Schaaff (Römisch-Germanisches Zentralmuseum)

**SPEAKERS:**

14:30 - 14:50 | Angelika Hunold (RGZM)
*The ancient quarrying and mining district between the Eifel and the Rhine - a summary of research*

14:50 - 15:10 | Lutz Grunwald and Sibylle Friedrich (RGZM)
*Pottery production for the European market – the Roman and Medieval potter’s workshops of Mayen and Weißenthur*

15:10 - 15:30 | Gregor Döhner and Michael Herdick (RGZM)
*Technical-historical Comparison of Pottery Districts: Desiderata and Experimental Archaeological Research Prospects*
15:30 - 15:50 | Stefan Wenzel (RGZM)
Transport of heavy loads on inland waterways

15:50 - 16:10 | Holger Schaaff (RGZM)
Archaeology of unimagined dimensions - the roman potteries of Speicher and Herforst

Discussion

THE RISE OF BLING: CHARTING THE INCREDIBLE INCREASE IN THE CONSUMPTION OF DECORATIVE METAL OBJECTS IN THE ROMAN EMPIRE

DAY AND TIME: Saturday | 26 May | 14:30-16:30
ROOM: Bonn - University | HS XV
ORGANISER/CHAIR: Stefanie Hoss (Universität zu Köln)

SPEAKERS:

14:30 - 14:50 | Mikhail Treister (Deutsches Archäologisches Institut)
The Gold of Phanagoria (Bosporan Kingdom): a complex archaeo-metallurgical study

14:50 - 15:10 | Espen B. Andersson
Keeping cash in Roman cities

15:10 - 15:30 | Courtney Ward
Bling It On: Metal Jewellery and Identity on Display in Roman Campania

15:30 - 15:50 | Josy Luginbühl (Universität Bern)
Young ladies with their writing equipment. Indications of literacy in Roman Tombs

15:50 - 16:10 | Boris Alexander Nikolaus Burandt (Johann Wolfgang Goethe-Universität)
Transformationsprozesse von Tausch- und Gebrauchswerten römischer Fanartikel im Kontext der Gladiatur und Wagenrennen

Discussion
**THE ROLE OF WATER IN PRODUCTION PROCESSES IN ANTIQUITY**

**Saturday | 26 May | 14:30-16:30**

**Bonn - University | HS VIII**

**Elena H. Sánchez López (Universidad de Granada)**

14:30 - 14:50 | Elena H. Sánchez López (Universidad de Granada)
*Not only clay. The role of water throughout the pottery making process*

14:50 - 15:10 | Cecelia Feldman
*Water in craft production and manufacturing in Roman Asia Minor*

15:10 - 15:30 | Davide Gangale Risoleo (University of Pisa)
*Water for the villas: water distribution for production processes*

15:30 - 15:50 | Javier Martínez Jiménez (University of Cambridge)
*Water and building in Late Antiquity*

15:50 - 16:10 | Beth Munro (University of London)
*Water use in metal and glass recycling workshops in late antiquity*

**Discussion**

**THE PRODUCTION OF PORTRAIT STATUARY IN ROMAN CITIES. AN ECONOMIC FACTOR?**

**Saturday | 26 May | 09:00-11:00**

**Bonn - University | HS II**

**Thoralf Schröder (University of Cologne)**

09:00 - 09:20 | Eva Christof (Karl-Franzens-Universität Graz)
Financial expense and forms of financing as aspects in the life cycle of Roman portrait statues

09:20 - 09:40 | Cruces Blazquez Cerrato (University of Salamanca) and Santiago Sánchez de la Parra Pérez
Investments of Hispanoroman elites in metal statues: a first costs evaluation from the Epigraphy

09:40 - 10:00 | Panagiotis Konstantinidis, Marios Mylonas and Stylianos Katakis (National and Kapodistrian University of Athens)
Economic and commercial aspects of portrait statuary from the city of Epidauros and the sanctuary of Apollo Maleatas and Asklepios

10:00 - 10:20 | Dimitrios Ath. Kousoulas
The cost of renovating an ancient temple in the Roman Period: the case of Metroon

10:20 - 10:40 | Alice Landskron (University of Graz)
A Coin from Side and the Distribution of Portraits

Discussion

LOCAL STYLES OR COMMON PATTERN BOOKS IN ROMAN WALL PAINTING AND MOSAICS

Saturday | 26 May | 09:00-13:30
Bonn - University | HS VIII
Organiser/Chair: Renate Thomas (Römisch-Germanisches Museum, Köln)

09:00 - 09:20 | Renate Thomas (Römisch-Germanisches Museum)
Musterbücher in der römischen Wandmalerei

09:20 - 09:40 | Irene Bragantini (Università degli Studi di Napoli „L’Orientale“)
Pittori e pitture tra l’Italia e le province occidentali
09:40 - 10:00 | Clelia Sbrolli and Monica Salvadori (University of Padova)
Nilotic landscapes and pygmies in the pictorial production of a „Fourth-Style“ workshop in Pompeii

10:00 - 10:20 | Eric Moormann (Radboud Universiteit) - Domenico Esposito (Freie Universität Berlin)
Roman Wall Painting Under the Flavians: Continuation or New Developments?

10:20 - 10:40 | Coralini Antonella (University of Bologna)
Local styles in Roman Apulia

Discussion

Coffee break

11:30 - 11:50 | Stella Falzone and Martina Marano (Centro Studi Pittura Romana Ostiense) - Paolo Tomassini (Université catholique de Louvain)
Decorating the Harbour of Rome: Dynamics of Production and Craftsmanship in Ostian Wall Paintings

11:50 - 12:10 | Barbara Tober (Universität Salzburg)
Ephesos – Palmyra – Noricum

12:10 - 12:30 | Katharina Meinecke
Pattern Books or Textiles as a Means of Transfer? The Example of the Grid Pattern

12:30 - 12:50 | Erhan Aydoğdu and Ali Kazım Öz (Dokuz Eylül University)
Geometrical Analysis of the Triple Leaf Pattern in Metropolis

12:50 - 13:10 | Simone Dilaria (University of Padova)
Making Roman mosaics in Aquileia (I BC – IV AD): technology, style and workshop practices. Two case studies from Domus delle Bestie ferite

Discussion
ROMAN AND LATE ANTIQUE GLASS PRODUCTION

Saturday | 26 May | 14:30-16:30
Bonn - University | HS IV
Constanze Höpken (Universität zu Köln)

14:30 - 14:50  |  Paola Puppo
Tiburtini calices or germata potoria in thin walled ware: a luxury roman production of the first imperial age

14:50 - 15:10  |  Frank Wiesenberg (Universität zu Köln)
New light on old panes - current results obtained by experimental archaeology: making Roman window glass

15:10 - 15:30  |  Miguel Cisneros (Universidad de Cantabria)
Semiprecious stones and blue glass: An approach to the imitation phenomenon in Hispania during the roman period

15:30 - 15:50  |  Ella Magdalena Hetzel (Universität zu Köln)
Das Handwerk im römischen Köln

15:50 - 16:10  |  Çağdem Gençler-Guray (Ankara University)
Early Byzantine Glass Production in Nysa on the Meander

Discussion

PRODUCTION AND DISTRIBUTION OF ROMAN POTTERY

Saturday | 26 May | 14:30-16:30
Bonn - University | HS XIII
Archer Martin (Universität zu Köln)

14:30 - 14:50  |  Georg A. Th. Pantelidis (TU Darmstadt)
Regional patterns of pottery use and distribution in times of political and economic change: A case study from Acarnania in Western Greece

14:50 - 15:10 | Kamila Nocoń (Jagiellonian University in Kraków)
Cooking pottery as a missing link in the regional patterns of distribution. Case study based on cooking pottery from the Agora in Nea Paphos (Cyprus)

15:10 - 15:30 | Mongi Nasr (Faculté des Lettres et Sciences Humaines de Sfax, Tunisie)
L’atelier de céramiques de Sidi Aïch (Vicus Gemellae): productions et commercialisation

15:30 - 15:50 | Sergiu Matveev (Moldova State University)
Roman pottery kiln from the 3rd-4th century in the prut and dniester interfluves

15:50 - 16:10 | Leah Reynolds (Cardiff University)
Pottery and exchange at the imperial fringe: the case of Wales

Discussion

FROM THE QUARRY TO THE MONUMENT. THE PROCESS BEHIND THE PROCESS: DESIGN AND ORGANIZATION OF THE WORK IN ANCIENT ARCHITECTURE

Saturday | 26 May | 09:00-13:30
Bonn - University | HS V
Adalberto Ottati (Pablo de Olavide University, Seville), Maria Serena Vinci (Université de Bordeaux Montaigne)

09:00 - 09:20 | Adalberto Ottati (Pablo de Olavide University, Seville) and Maria Serena Vinci (Université de Bordeaux Montaigne)
Carving instructions and mark-guidelines for stone artifacts production in roman world

09:20 - 09:40 | Begoña Soler Huertas (Universidad de Murcia)
Signum lapidarium: Classification and meaning in the roman period
09:40 - 10:00  | Marco Tentori Montalto  
*From the quarry to the inscription in the Greek world*

10:00 - 10:20  | Alberto Dalla Rosa (Université Bordeaux Montaigne)  
*Supplying grain to imperial quarries: how to approach different sources and contexts?*

10:20 - 10:40  | Gianfranco Paci  
*Materiale da costruzione e marchi di cava nelle città romane dell’area medioadriatica*

**Discussion**

**Coffee break**

11:30 - 11:50  | Maria Serena Vinci (Université de Bordeaux Montaigne)  
*Notae lapicidinarum from a limestone quarry: preliminary considerations on quarry labels and their function in building process of early public architecture at Tarraco (Hispania Citerior)*

11:50 - 12:10  | Milagros Navarro Caballero (Université Bordeaux Montaigne) - Angeles Magallón Botaya and Paula Uribe (Universidad de Zaragoza)  
*Marcas epigráficas en la Presa Romana del Muel (Zaragoza)*

12:10 - 12:30  | Arleta Kowalewska (University of Haifa)  
*Masons’ Marks of Antiochia Hippos and Roman Syria-Palaestina*

12:30 - 12:50  | Javier Atienza Fuente (Universitat Rovira i Virgili)  
*Marcas y trazados de replanteo, puesta en obra y elaboración de elementos constructivos pétreos en la arquitectura pública de Valeria (Cuenca, España)*

**Discussion**

Milagros Navarro Caballero (Université Bordeaux Montaigne)
ROMAN AND LATE ANTIQUE INDUSTRIES

Saturday | 26 May | 11:30-13:30
Bonn - University | HS II
Eckhard Deschler-Erb (Universität zu Köln)

11:30 - 11:50 | Dagmara Wielgosz-Rondolino (University of Warsaw)
Marmora Asiatica. Polish studies on marble quarries in Asia Minor

11:50 - 12:10 | Younes Ameur (University of Tunis)
Marble stones of Jbel Tebaga of Medenine (Tunisia) and their uses in Roman Buildings

12:10 - 12:30 | Zdravko Dimitrov (National Institute of Archaeology and Museum - Sofia)
The Travelling Stonemasons in Roman Thrace – new evidences about the distribution of marble, about the spread of architectural traditions and sculptural models in the Principate

12:30 - 12:50 | Khaled Al-Bashaireh (Yarmouk University)
Marble trade in Jordan during the Byzantine period: Hayyan Al-Mushrif, a case study

Discussion

MEN, GOODS AND IDEAS TRAVELING OVER THE SEA: CILICIA AT THE CROSSROAD OF EASTERN MEDITERRANEAN TRADE NETWORK

Saturday | 26 May | 09:00-13:30
Bonn - University | HS VI
Eugenia Equini Schneider (Sapienza University of Rome)

09:00 - 09:20 | Pascal Arnaud (Université Lyon 2/Maison de l’Orient et de la Méditerranée)
Non-coastal Cilician cities and their maritime outlets

Archaeology and Economy in the Ancient World
09:20 - 09:40 | Hakan Oniz (Selcuk University)
_Dana Island Shipyard and Underwater Research of the Cilicia Coast 2017_

09:40 - 10:00 | Kamil Levent Zoroğlu
_A new context of the Late Roman Pottery from Kelenderis in Cilicia_

10:00 - 10:20 | Claudia Tempesta
_Under the auspices of Aphrodite Euploia: port infrastructure and urban transformation at Elaiussa Sebaste from the Hellenistic to Byzantine ages_

**Discussion**

**Coffee break**

11:30 - 11:50 | Annalisa Polosa (Sapienza Università di Roma)
_Monetization_

11:50 - 12:10 | Edoardo Radaelli (The University of Southampton & ‘Sapienza’ - Università di Roma)
_Cilician amphorae in Rome and Ostia during the Middle Imperial age (2nd–early 3rd centuries AD) and reflections about the consumption of their contents_

12:10 - 12:30 | Veronica Iacomi
_Pottery production in urban landscape and the overregional commerce: LR1 amphorae at Elaiussa and beyond_

**Discussion**

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**THE ARCHAEOLOGY OF CROSS-CULTURAL TRADE: MULTI-DISCIPLINARY APPROACHES TO ECONOMIC AND CULTURAL EXCHANGE AT NAUKRATIS**

**DAY AND TIME:**
Saturday | 26 May | 09:00-13:00

**ROOM:**
Bonn - University | HS VII

**ORGANISER/CHAIR:**
Alexandra Villing (British Museum)
09:00 - 09:20 | Alexandra Villing (The British Museum)
Greece, Egypt and cross-cultural trade – an introduction

09:20 - 09:40 | Alexandra Villing and Aurelia Masson-Berghoff (The British Museum)
Alternative facts? Classical archaeologists, Egyptologists, and changing views of Naukratis from the 19th to the 21st century

09:40 - 10:00 | Michela Spataro (The British Museum)
Ceramic perspectives on exchange and innovation: the view from Naukratis

10:00 - 10:20 | Astrid Lindenlauf
Economising in an inter-cultural context: practices of repair, re-use and re-utilization of pottery at Naukratis

Discussion

Coffee break

11:30 - 11:50 | Ross Thomas (The British Museum) - Benjamin Pennington (The University of Southampton)
Networks of trade and landscapes of connectivity: the port of Naukratis from the 7th century BC to the 7th century AD

11:50 - 12:10 | Giorgos Bourogiannis (Museums of World Cultures)
Cypriots at Naukratis or Cypriots to Naukratis? A brief discussion of material evidence and some writing

12:10 - 12:30 | Christopher Parmenter (New York University)
Biographies of Faience: Naukratis and the Culture of the Commodity

12:30 - 12:50 | Barbara Kowalzig (New York University)
Trading Religions at Naukratis

Discussion

John Davies (University of Liverpool)
PANEL 6.1
(DOUBLE)

CULINARY TRADITIONS IN AN ENTANGLED WORLD: CONTINUITIES, INNOVATIONS AND HYBRIDIZATIONS IN MEDITERRANEAN CULINARY PRACTICES (8TH – 5TH CENTURIES BC)

Saturday | 26 May | 09:00-13:30
Bonn - University | HS IV
Ana Delgado Hervás and Meritxell Ferrer Martín (Universitat Pompeu Fabra)

SPEAKERS:

09:00 - 09:20  |  Meritxell Ferrer Martín and Ana Delgado Hervás (Universitat Pompeu Fabra) – Marta Santos Retolaza (Museu d’Arqueologia de Catalunya-Empúries)
Foodscapes and culinary traditions: continuities, innovations and hybridizations in the culinary practices of Emporion’s Neapolis, northeast Catalonia (6th-4th centuries BC)

09:20 - 09:40  |  Birgit Öhlinger (Universität Innsbruck)
The communal meal as “social technique“ in a changing world of Archaic Sicily

09:40 - 10:00  |  Ana María Niveau-de-Villedary (University of Cadiz, Spain)
Daily consumption and ritual commensality: social contact settings at the beginning of the Phoenician presence in central and western Mediterranean (9th-8th centuries BC)

10:00 - 10:20  |  Eva Miguel Gascón (University of Barcelona)
Introduction of wine consumption in the Northeastern Iberian Peninsula communities at the Early Iron Age: adaptation, changes and innovations in the local hand-made pottery assemblages

10:20 - 10:40  |  Francesca Spatafora (Polo di Palermo per i Parchi e i Musei Archeologici)
Alimentary habits and cooking of foods in protohistorical and archaic Sicily

Discussion

Coffee break

11:30 - 11:50  |  Anne-Marie Curé
Into the middle-ground? Multidisciplinary approach of consumption practices in La Monédière (Bessan, Southern France) (6th-5th centuries BC)
11:50 - 12:10 | Ariadna Nieto-Espinet (CSIC- IMF) - Valenzuela Lamas (CSIC- IMF)
*Cooking Greek and eating Greek? Multisite comparison of culinary practices the Western Mediterranean in Iron Age based on zooarchaeological remains*

12:10 - 12:30 | Anne Sieverling (Technische Universität Darmstadt)
*Nutrition habits in early Akarnania*

12:30 - 12:50 | Paola Cavaliere
*L'alimentazione nella Sardegna punica: il caso di Olbia*

12:50 - 13:10 | Sara Giardino
*Foreign pottery shapes in the Phoenician ceramic repertoire of the Central and Western Mediterranean*

**Discussion**

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**THE ETERNAL MESSAGE OF MARBLE: PRESTIGE, SYMBOLISM AND SPOLIA IN THE WESTERN ROMAN PROVINCES**

**DAY AND TIME:** Saturday | 26 May | 09:00-13:30

**ROOM:** Bonn - University | HS XIV

**ORGANISER/CHAIR:** Virginia García-Entero (Universidad Nacional de Educación a Distancia, Spain), Diana Gorostidi (Rovira i Virgili University, Spain), Anna Gutiérrez Garcia-M. (IRAMAT-CRP2A, Université Bordeaux Montaigne), Olivia Rodriguez (University of Seville, Spain)

**SPEAKERS:**

09:00 - 09:20 | Virginia García-Entero (Universidad Nacional de Educación a Distancia, Spain), Diana Gorostidi Pi (Institut Català d’Arqueologia Clàssica), Anna Gutiérrez Garcia-M. (IRAMAT-CRP2A, Université Bordeaux Montaigne) and Oliva Rodriguez Gutiérrez (University of Seville, Spain)
*Introduction to the panel ‘The eternal message of marble: prestige, symbolism and spolia in the Western Roman provinces’*
09:20 - 09:40  |  Patrizio Pensabene (Sapienza University of Rome)
Stone for an epigraphic landscape: shaping honorary iconography in Tarraco

09:40 - 10:00  |  Hernán González Bordas (Université Bordeaux Montaigne)
Cuantificar el prestigio: hacia una sistematización de las categorías de prestigio en las inscripciones latinas

10:00 - 10:20  |  Virginia García-Entero (Universidad Nacional de Educación a Distancia)
Espejon Limestone and Conglomerate. The marmor of Clunia at the service of the Hispanic-Roman elite

10:20 - 10:40  |  Oliva Rodríguez Gutiérrez (University of Seville)
The prestige of marmor in the architecture of Roman Baetica: local stones vs. imported marbles

Discussion

Coffee break

11:30 - 11:50  |  Vilma Ruppiene (Julius-Maximilians Universität Würzburg)
Marmora in the late antique imperial palace in roman Treveres: Import from the mediterranean provinces and supplement from the regional sources

11:50 - 12:10  |  Mariella Cipriani (University of Rome "Tor Vergata")
„Mythologische Prachtreliefs“: decorative elements in luxury Roman housing

12:10 - 12:30  |  Simon Barker (Norwegian Institute in Rome)
Roman sculptural recycling in the Western Provinces

12:30 - 12:50  |  Anna Gutiérrez Garcia-M. (IRAMAT-CRP2A, Université Bordeaux Montaigne) - Silvia González Soutelo (University of Vigo)
Producing, recycling and reusing Roman marble objects in Gallaecia (NW of Spain)

12:50 - 13:10  |  Antonio Peña Jurado (Universitat Autònoma de Barcelona)
The use of spolia in the islamic architecture of Córdoba: the testimony of the Great Mosque

Discussion

19th International Congress of Classical Archaeology | 22-26 May 2018
RELIGIOUS INVESTMENT AND RITUAL CONSUMPTION IN PELOPONNESIAN SANCTUARIES

Saturday | 26 May | 09:00-13:30
Bonn - University | HS XV
Stefan Feuser (Christian-Albrechts-Universität zu Kiel)

SPEAKERS:

09:00 - 09:20 | Stefan Feuser (Christian-Albrechts-Universität zu Kiel)
Religious Investment and Ritual Consumption in Peloponnesian Sanctuaries – Theoretical and methodical introduction

09:20 - 09:40 | Oliver Pilz (Johannes Gutenberg-Universität Mainz)
The Economy of Votive Practice: Olympia and Kombotheakra in the Geometric and Archaic Period

09:40 - 10:00 | Raimon Graells (Römisch-Germanisches Zentralmuseum)
A diachronic research on the votive offerings in the sanctuary of Olympia (From the 10th to the 5th century BC)

10:00 - 10:20 | Stephanie Kimmey (University of Missouri, Columbia)
Well Deposits and Changes in Ritual Consumption at the Panhellenic Sanctuary of Nemea

10:20 - 10:40 | James Lloyd (University of Reading)
Producing the Spartan Lead Votives

Discussion

Coffee break

11:30 - 11:50 | Maria Spathi (Institut of Messenian Archaeological Studies)
Small votive offerings from the Sanctuaries of ancient Messene and their value in terms of religious, political and economic significance

11:50 - 12:10 | Dimitrios Ath. Kousoulas
Heraion of Argos in comparison to the Temple of Apollo in Bassae

12:10 - 12:30 | András Patay-Horváth (ELTE, Budapest)
Temple building in Archaic and Classical Arkadia

12:30 - 12:50 | Stylianos Katakis (National and Kapodistrian University of Athens)
Wiederverwendete Statuen auf der Skene des Theaters von Epidauros

12:50 - 13:10 | Katia Perna (University of Catania)
Greek artefacts and ritual consumption in the indigenous sanctuary of Polizzello (Sicily)

Discussion

CITIES, MICRO-REGIONS AND ECONOMY IN AN INTERDISCIPLINARY PERSPECTIVE. THREE CASE STUDIES FROM HELLENISTIC-ROMAN ASIA MINOR

Saturday | 26 May | 09:00-13:30
Bonn - University | HS XI
Daniel Knitter (Universität Kiel), Bernhard Ludwig, Ulrich Mania and Felix Pirson (Deutsches Archäologisches Institut Istanbul)

09:00 - 09:20 | Alexander Sokolicek and Horacio Gonzalez Cesteros (Austrian Academy of Sciences)
Ephesos: Not enough grain, but too much wine? A diachronic perspective on demand and supply of Ephesos with basic foodstuff

09:20 - 09:40 | Bernhard Ludwig (Deutsches Archäologisches Institut, Istanbul) and Daniel Knitter (Universität Kiel)
Pergamon: Stone, Wood and Food. Geographical and Digital Approaches towards Major Resources in a Diachronic
Archaeology and Economy in the Ancient World

**Perspective**

09:40 - 10:00 | Dries Daems (KU Leuven)
*Sagalassos: Tracing organisation of labour and material production*

10:00 - 10:20 | Sabine Ladstätter (Österreichisches Archäologisches Institut)
*Ephesos: There is still much to say about Eastern Sigillata B, the table ware boom and Ephesos*

10:20 - 10:40 | Philip Bes (University of Leiden)
*Pergamon: Patterns of Diversification in the Pottery Production of Pergamon and its Micro-region*

**Discussion**

**Coffee break**

11:30 - 11:50 | Jeroen Poblome (KU Leuven)
*Sagalassos: The ancient economy in dialogue with social-ecological systems: à quoi ça sert?*

11:50 - 12:10 | Martin Steskal (Austrian Archaeological Institute)
*Ephesos: The necropolis as a reflection of the city? The economy of death and burial in Ephesos*

12:10 - 12:30 | Felix Pirson and Ulrich Mania (Deutsches Archäologisches Institut, Istanbul)
*Pergamon: Layers of Interrelation between Economy and Urban Physiognomy*

12:30 - 12:50 | Veli Köse (Hacettepe University)
*Trade and Routes in Aspendos in Pamphylia*

12:50 - 13:10 | Martin Zimmermann
*Lost cities - the settlement structures in western Asia Minor in an historical perspective*

**Discussion**

Frank Vermeulen (Universiteit Gent)
CLASSICAL ARCHAEOLOGY IN A DIGITAL WORLD (THE AIAC PRESIDENTIAL PANEL)

Saturday | 26 May | 09:00-13:30
Bonn - University | HS XII
Kristian Göransson (Swedish Institute of Classical Studies, Rome)

09:00 - 09:20 | Ortwin Dally (German Archaeological Institute)
Introduction: Classical Archaeology in a Digital World

09:20 - 09:40 | Paolo Liverani (University of Florence)
3D reconstructions: a critical reflection starting from the Roman Forum

09:40 - 10:00 | Bernard Frischer (Indiana University)
Uffizi-Indiana University 3D Digitization Project

10:00 - 10:20 | Simon Keay (University of Southampton)
Digital Approaches to the Archaeology of the Portus Romae

Discussion

Coffee break

11:30 - 11:50 | Alfred Schäfer (Römisch-Germanisches Museum, Cologne)
The past on its way to a digital future - urban archaeology in Cologne

11:50 - 12:10 | Elizabeth Fentress (Rome)
Melting into Air: Online Publication of Excavations

12:10 - 12:30 | Tom Elliott (New York University)
The Pleiadic gaze: Looking at digital archaeology from the perspective of a digital gazetteer

12:30 - 12:50 | Jonathan Prag (University of Oxford)
Epigraphy in a digital world: the example of I.Sicily
12:50 - 13:10 | Thomas Fröhlich and Sabine Thänert (Deutsches Archäologisches Institut)
Bibliotheken, Archive und digitale Forschungsumgebungen in Dienste der Archäologie

Discussion

Reinhard Förtsch (DAI Berlin)

ANCIENT SCULPTURE

Saturday | 26 May | 14:30-16:30
Bonn - University | HS VII
Dietrich Boschung (Universität zu Köln)

14:30 - 14:50 | David Ojeda (Cordoba University)
New roman portraits from Villa Adriana

14:50 - 15:10 | Pedro Rodríguez Oliva (University of Malaga)
Manifestaciones de la escultura iberorromana en las cercanías del Fretum Herculeum

15:10 - 15:30 | Isabel López García (University of Malaga) and José Beltrán Fortes (University of Seville)
Repertorio Escultórico romano-provincial de la Colonia Iulia Genetiva (Osuna, Sevilla)

15:30 - 15:50 | Takashi Seki (Osaka City University)
Study on Roman Copy - “To be colored or not to be colored; that is the question”

Discussion

Archaeology and Economy in the Ancient World
PANEL 12.8

3D DOCUMENTATION AND INTERPRETATION OF ANCIENT BUILDINGS

Saturday | 26 May | 14:30-16:30
Bonn - University | HS XII
Eleftheria Paliou (University of Cologne)

SPEAKERS:

14:30 - 14:50  |  Lucia Michielin (University of Edinburgh)
Lightning the ancient Rooms: Using the 3D reconstructions to analyse the importance of the doors and windows barriers in the life of the Roman Private Houses

14:50 - 15:10  |  Maria Papaioannou (University of New Brunswick)
Economic activities of a private and public nature at Abdera and Kalymnos: Terrestrial laser scanning and visualization theory

15:10 - 15:30  |  Sebastian Hageneuer, Eckhard Deschler-Erb and Sabrina Geiermann (Universität zu Köln)
The burial chamber of Köln-Weiden

15:30 - 15:50  |  Asuman Baldıran (Selcuk University)
New suggestions about Monumental tomb architecture known as the Macellum (fish market) in Iasos

Discussion
AT THE AULA OF THE UNIVERSITY OF BONN
The poster session will be held on Thursday, 24 May at the Aula of the University of Bonn (Main Building). More than 100 posters will be presented particularly by junior scientists. The poster session is scheduled for two hours and offers an opportunity to meet with colleagues from around the world.
Floorplan – Aula

Poster topics

- Human factor
- System of extraction and production
- Architecture in context
- The role of the city in ancient economy
- Iconography
- Distribution

Methodology
Consumption
Economy of cult
Theory of economy
Cultural heritage
WORKSHOPS
AT THE AKADEMISCHES KUNSTMUSEUM
**WORKSHOPS**

Workshops on various topics and issues will be running parallel to the panel sessions. They take place at the Akademisches Kunstmuseum (AKM) towards the University Main Building.

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<td><strong>Ontology-based data access (OBDA) for classical archaeological and historical data: the EP-NET experience</strong></td>
<td><strong>ArchAIDE - Archaeological Automatic Interpretation and Documentation of cEramics</strong></td>
<td><strong>Archäologiestudium – und dann? Kompetenzanalyse für Studierende archäologischer Fächer</strong></td>
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<td><strong>Organiser:</strong> Alessandro Mosca (SIRIS Academic)</td>
<td><strong>Organiser:</strong> Michael Remmy (University of Cologne) and Gabrielle Gattiglia (University of Pisa)</td>
<td><strong>Organiser:</strong> Evelyn Hochheim (University of Jena), Martin Streicher (University of Bonn - German Archaeologist Association (dArV e.V.))</td>
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EXHIBITOR FAIR

UNIVERSITY OF BONN, MAIN BUILDING
1ST FLOOR, ROOMS: FESTSAAL, SENATSSAAL, GROSSES DOZENTENZIMMER, AULA

Wednesday 23 May 2018 09:00 – 18:00
Thursday 24 May 2018 09:00 – 18:00
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Saturday 26 May 2018 09:00 – 14:00
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Exhibitors floorplan

_Festsaal, Senatssaal, Großes Dozentenzimmer_
Aula

Aula - Front

Entrance
LIBRUM Publishers & Editors

Frankfurt am Main | Basel
SPOTLIGHT ON HISTORY

LIBRUM Publishers & Editors | Frankfurt am Main | Basel is a specialist publishing house for history and archaeological research. Within this field, LIBRUM focuses on scientific and interdisciplinary topics. The publishing house also produces books on teaching and conveying history. LIBRUM was founded in 2012.

As a small, ambitious publishing house, LIBRUM is able to produce affordably, to engage with individual needs and to adapt to new challenges with great flexibility. LIBRUM has a lean organisational structure. All production areas work from their own home offices in Switzerland, Germany, France and England.

LIBRUM places great value on close collaboration with its authors and editors. The results should be excellent, so that editing and publishing is genuinely fun.

LIBRUM supports the authors with active fundraising, since producing non-fiction is rarely economically viable in itself nowadays.

The books produced by LIBRUM, either print or open access are appealing both visually and with regard to content, making them a pleasure to read. LIBRUM works with subject-specific and discerning proofreaders and translators. The layout is entrusted to prize-winning book designers.

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Laufenstrasse 33
CH-4053 Basel
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Publisher: Dominique-Charles R. Oppler

www.librum-publishers.com

Habelt-Verlag | Bonn

Booth [02]

Dr. Rudolf Habelt Ltd. was founded in 1948 as an antiquarian bookshop, from which the publishing house emerged in 1954.
The publishing house is specialised on (mainly academic) publications dealing with archaeology, prehistory, ancient history and related themes. Some 40 titles are produced annually. Additionally Habelt also distributes the publications of several scientific organisations on a commission basis.

**WBG (Wissenschaftliche Buchgesellschaft)**

Booth [03]

WBG is a publishing company as well as a book club with 85,000 members. We offer our members and the general reading public an extensive selection of books and other media with a focus on the humanities. Our range of products comprises more than 6,000 books and 1,500 e-books and encompasses textbooks for students, academic and research titles, editions of works of classical literature, critical editions, reference works, biographies, as well as exhibition catalogues. Under WBG’s roof you will find the imprints of Konrad Theiss and Philipp von Zabern.

WBG was founded in 1949. Its aim then was to re-publish academic literature that had been destroyed or otherwise lost during the Second World War and make it once more available to the public. This project soon developed into a society for the promotion of science, education and culture – which is still WBG’s mission today.

WBG is organized as a registered association and has thus no commercial aims. Generated surpluses are reinvested. We sponsor the publishing of non-profitable but important book projects, for example, as well as libraries or research projects.

**The German Archaeological Institute**

Booth [04]

The German Archaeological Institute is Germany’s most significant institution in the field of international archaeological research.

On April 21, 1829 the institute was founded under the name “Instituto di corrispondenza archeologica” by a circle of scholars, artists and diplomats in Rome. Today it is a federal agency within the area of responsibility of the Foreign Office. The Head Office is situated in Berlin and it maintains several commissions and departments in Germany and abroad.

While its work focused on the countries of the Mediterranean area and the Near East, today the institute is dedicated to conducting fundamental research around the world with the aim of deepening our understanding of historical cultures.
Approximately 120 scientists conduct research in the fields of archaeology and related disciplines. Great importance is attached to the collaboration with colleagues from other countries; a great many projects take place in cooperation with institutions of the host countries. In addition comprehensive specialised libraries, photo archives and other collections are available to scholars, scientists and students in the various departments and commissions. The advancement of future generations of scholars, in particular, represents a central mission of the institute.

It supports academic exchange and publicises its work by means of conferences, colloquia and guided tours. The research results also appear in numerous publications and the staff members continually report on their work in the media.

**More information on the institute’s activities can be found on the website:** [www.dainst.org](http://www.dainst.org)

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**Scienze e Lettere S. r. l.**

Booth [05]

Scienze e Lettere was founded in Rome in 1919 by Giovanni Bardi and has a long tradition of publishing works on archaeology, history, philology and the humanities in general. In 2005, Scienze e Lettere became the publishing house of the Accademia Nazionale dei Lincei, the oldest cultural academy in the world and for 10 years, until 2015, offered valuable archaeological, historical, philological, orientalistic, biological and mathematical publications. Scienze e Lettere continues to develop its tradition by taking care of publications for important cultural Institutions such as ISMEO (Associazione Internazionale di Studi sul Mediterraneo e l’Oriente), INASA (Istituto Nazionale di Archeologia e Storia dell’arte), the Norwegian Institute in Rome, the Superintendency of Cultural Heritage, the Universities of Florence, Lecce, Naples, Padua, Rome, Sassari, Verona and others.

It manages a catalogue of two thousand interesting titles published by Scienze e Lettere and other similar publishing houses (BAR, Centre Jean Bérard, Edipuglia, Gangemi, Naus, Padova University Press, Pandemos, Quasar etc.) and it’s attentive to the most significant scientific works. It now has some new collections: Fecit te, for the archaeology of production, Sacra publica et privata, for studies on historical-religious and ritual themes, Dopo lo scavo for reflections on and the critical interpretation of archaeological excavations, Fare storia for ancient and medieval history, Abitare il Mediterraneo for the ancient towns, FOLD&R Raccolte in collaboration with AIAC (Associazione Internazionale di Archeologia Classica) for archaeological excavations, Solo e pensoso i più deserti campi vo mesurando a passi tardi e lenti... dedicated to archaeological survey, Monstra on mythological monsters and Terre incantate on magic gardens in Italy dedicated to children.
Nünnerich-Asmus Verlag & Media GmbH

Booth [06]

Nünnerich-Asmus Verlag & Media GmbH – Knowledge Presented With a Sense of Beauty

Our Topics: Nünnerich-Asmus Verlag & Media GmbH is a publishing house situated in Mainz (Germany), which is specialized in archaeology, art and history. Our publications include nonfiction and specialist books, volumes of photographs, illustrated books and exhibition catalogues. History is alive! Therefore, we always aim to address historical topics which bear relevance to current events.

Our books: The high quality of our publications is always our top priority, which is why our quality management is on a high professional level. Our team is supported by highly skilled graphic artists, lithographers and printing companies.

Our authors and clients: The expertise of our national and international authors guarantees fascinating quality contents. Our clients are artists and creative artists as well as representatives from renowned universities, museums, associations and educational institutions.

Our team is a reliable and supportive partner throughout the whole process of production, from the first idea to the final version of the book in the hands of the reader.

Our goals: As we aim our publications to withstand competition in the digital world, they are also available in electronic form. Our success in combining traditional and new media is founded on a close working relationship with our associates in the IT and media sector. The e-book version of our publications is only one example of our efforts in this direction.

Our repertory: A selection of our most recent and finest products is presented at our presentation table. We look forward to meeting you there!

Éditions de Boccard

Booth [07]

Éditions de Boccard has been a leader in the publication and distribution of scholarly books for more than a century. It carries
the publishing reputation of the Académie des inscriptions et belles-lettres, the École française of Rome and the École française of Athens, the Collège de France, French archaeological missions in Central Asia and elsewhere, the Centre d'études alexandrines, UMR and USR under the supervision of the CNRS, and some of the most prestigious university presses. Since 2013, Éditions de Boccard has also been representing the Librairie Droz (Geneva), the Société de l'histoire de France, the Casa editrice Leo S. Olschki (Florence) and the Léopard d’Or. More recently, the Presses universitaires de Liège, the Éditions de linguistique et de philologie (Zúrich-Strasbourg), the Société de l'histoire de l’art français, the Cahiers de Saint-Michel de Cuxa, Gerlach Press (Berlin-London) and Gangemi Editore (Rome) have joined their distribution.

The works published and distributed by Boccard cover such complementary fields as history, archaeology, the history of law, literary history, philology, palaeography, epigraphy, sigillography, numismatics, ceramology, topography, prosopography, and bibliography. Publishing and distributing approximately three hundred new titles each year, Boccard now possesses a general catalogue of some 17,000 titles published between the 1860s and the present.

In the field of Classical Studies and Archaeology, Brill is mostly known for major reference works like Supplementum Epigraphicum Graecum (SEG), Brill’s New Pauly, and Jacoby Online. Other publications are the renowned book series Mnemosyne Supplements - History and Archaeology of Classical Antiquity (brill.com/mns-haca) and journals like Ancient Civilizations between Scythia and Siberia and Mnemosyne.

One of the recently launched projects in Ancient History is Brill Research Perspectives in Ancient History, edited by Lee L. Brice. Please view brill.com/rpah for more information.

Please visit brill.com/authors for more information about publishing with Brill. To submit a proposal, please contact our acquisitions editor Mirjam Elbers at elbers@brill.com or drop by the Brill booth during the AIAC conference.
Astrom Editions Ltd

Booth [09]

Astrom Editions
Scientific publisher of the following peer-reviewed publications:

Studies in Mediterranean Archaeology (SIMA)
Two monograph series which provide a major outlet for the publication of primary archaeological data, particularly excavation reports, as well as substantial works of other kinds, including conference volumes and revised dissertations. The focus is on the archaeology of the Mediterranean, from the neolithic to the classical period. Emeritus Professor David Frankel and Dr Jennifer Webb from La Trobe University (Melbourne, Australia) are Editors-in-Chief, assisted by an Editorial Board of international scholars.

SIMA monographs are published in two size formats (A4 and B5), both on high quality paper with hard covers. High scientific standards are a top priority and SIMA prides itself on rapid publication. For further information contact the editors at sima@astromeditions.com.

Journal of Prehistoric Religion (JPR)
A journal that provides a forum for archaeological discoveries and theories concerning prehistoric religion. The scope is worldwide, with focus on the Mediterranean. Topics include excavation data on shrines and tombs, iconography, inscriptions, cult practice, and ritual customs. Dr Jeannette Forsen is the Editor of JPR with the assistance of an Editorial Board. Contact the editor at jpr@astromeditions.com.

For further information see www.astromeditions.com.

During the conference our titles are offered to conference participants with a 50% discount.

Dr. Ludwig Reichert Verlag

Booth [10]

The publisher’s list of the Dr. Ludwig Reichert Verlag focuses on publications in the humanities, from the fields of Oriental studies, linguistics, history, archaeology, art history and book and library science, as well as Facsimile reproductions of important medieval and early modern manuscripts and incunabula. The programme is supplemented by catalogues of manuscripts and rare books from individual libraries.

The main principles of publication are academic quality and excellent book design: Numerous titles have been awarded prizes and were listed among the 50 most beautiful books in Germany. The prizes were mostly obtain for facsimile editions, but also for other titles, standard reference works for scholars as well as students.

The series of books on classical and Christian
archaeology, on late ancient art history, Byzantium and Eastern Christianity systematically explore the thematic priorities further. The topic of the Middle Ages was extended with the series Imagines medii aevi. Other series expand our programme in Oriental Studies by dealing with particular subjects or regions, e.g. Caucasian Studies, Literaturen im Kontext, Arabisch – Persisch – Türkisch; a series concentrating on the Islamic era, Iran – Turan, extends the subject area of Iranian studies towards Central Asia. Facsimile reproductions continue to be published and become reference works for research in various disciplines thanks to extensive critical commentaries.

Bretschneider has established its reputation through high-quality publications in the humanities in which we present the work of major international scholars.

Despite the fact that the majority of the publications are in Italian almost half of the overall production goes abroad which underlines the role of the publishing house in the diffusion of our culture beyond the frontiers.

Now publishing around 30 books a year G. Bretschneider has become a leading publisher in the field of archaeology and ancient history.

From Max Bretschneider to Giorgio, from Giorgio to Boris, the third generation: a great tradition that has stood for quality in the field of classical antiquities.

In 2010 the company celebrated its 70th anniversary.
authors in manuscript preparation and printing, and our employees in advertising and sales ensure that the books are perceived, sold and received worldwide. We help to find financing opportunities and we guarantee the protection of copyrights. We keep our books available for many years, because they are a great asset and our capital.

Even though we, like every company, are guided by economic considerations, the ideological component of our actions is of great importance. Our vocation is to serve scholarship. Quality and service are our principle.

Edizioni Quasar di Severino Tognon Srl

Booth [13]

Edizioni Quasar di Severino Tognon Srl is a small but long lasting publishing house. For over 40 years we have been publishing academic books about Archaeology, Antiquity, Topography, Latin and Greek Epigraphy, Greek Literature and Philology, Art, Architecture and Restoration History, Numismatics, History of Religions, Prehistory, Etruscology.

Our catalogue also includes series aimed to popularize the knowledge of the ancient Roman world.

We distribute publications from important Italian and foreign cultural academies and institutes such as Sapienza Università di Roma, Università degli Studi di Padova, ISMA – CNR, Pontificia Accademia Romana di Archeologia, Institutum Romanum Finlandiae and others.

View our online catalogue at www.edizioniquasar.it

Archaeopress

[Booth 14]

Archaeopress is an Oxford-based publisher run by archaeologists Dr David Davison and Dr Rajka Makjanic. Archaeopress is devoted to publishing academic work on all aspects of archaeology worldwide across multiple imprints including Archaeopress Archaeology (peer-reviewed monographs and edited volumes) and Access Archaeology ( refereed open access/print monographs and edited volumes). The range of our publications includes monographs, conference proceedings, catalogues of archaeological material, excavation reports and archaeological biographies. Material is published in various formats including print, eBooks, journals and open access. Our growing journals list includes the Journal of Greek Archaeology (print/online), the Journal of Hellenistic Pottery and Material Culture (print/open access), Ash-sharq: Bulletin of the Ancient Near East (print/online), ARAMAZD: Armenian Journal of Near Eastern Studies (print/online), EX
NOVO, archaeology and heritage studies (print/open access) and Proceedings of the Seminar for Arabian Studies (print/online). Archaeopress is also pleased to distribute a selection of archaeological presses in the UK and Europe including Potingair Press, Cornucopia Books and JAS Arqueología S.L.U. Visit our website to see our full range of books, eBooks, journals and open access content: www.archaeopress.com.

Brepols Publishers

[Booth 15]

BREPOLiS PUBLiShERS

Brepols Publishers is an international academic publisher of works in the humanities. Our mission is to publish books and journals in English, French, and other languages with an outstanding academic reputation in the field of archaeology, history, languages and literature, music and art.

On our BREPOLiS platform, we provide and develop several leading online bibliographical search tools, one of which is L’Année philologique, as well as indispensable full text databases, like the Library of Latin Texts or the Database of Latin Dictionaries.

Brepols Publishers was founded in 1796 and is based in Turnhout, Belgium. It also has offices in Chicago, Nottingham and Thessaloniki. Besides publications under the Brepols name and its imprints Harvey Miller and Corpus Christianorum, we distribute works from many world-class academic institutions.

www.brepols.net – info@brepols.net

BAR Publishing

[Booth 16]

BAR Publishing is a leading publisher in academic archaeology based in Oxford, UK. Founded in 1974 with a mission to innovate, the BAR Series covers all key areas in worldwide archaeological research, publishing in five languages (English, German, French, Spanish, and Italian). The well-established and internationally recognisable brand consists mainly of monographs, but also includes site reports, conference proceedings, and edited collections of papers. The BAR Series is the largest series of archaeological research in the world.

Our focus is to provide a first class publishing service for archaeologists, enabling researchers to publish important content quickly and efficiently, which is then distributed to the widest possible audience worldwide.

• Peer review for all proposals
• Print in colour
• Options for data rich research and extensive appendices
• Friendly and professional team to guide authors through the publication process
• No charge for authors to publish with BAR

We are looking forward to meeting you at the 2018 AIAC congress.
De Gruyter is one of the most important scholarly publishers in the field of Classical Studies. In addition to authoritative publications and reference works that serve as indispensable contributions to principle research in their respective disciplines, our interdisciplinary book series and journals also serve to enrich our uniquely comprehensive portfolio in this field. Our publications are not just intended for the classical scholar, but are of interest to professionals working in other areas of the humanities.

The Viennese publishing house Phoibos was founded in 1992 and publishes books that focus primarily on areas such as Classical, Prehistorical, and Christian archaeology along with the archaeology of the former Roman provinces, as well as Egyptology, Ancient History, Numismatics, and Epigraphy. Particularly emphasised are publications by the Stadtarchäologie Wien (Urban Archaeology, Vienna) and of the Institute of Classical Archaeology of the University of Vienna. These include the series “Fundort Wien” and the “Monografien der Stadtarchäologie Wien” as well as the “Wiener Forschungen zur Archäologie”. Independently Phoibos also publishes the “Phoibos Humanities Series”, which is dedicated to scholarly theses at different levels (diploma-/master theses, Ph.D. dissertations and Habilitations) in the fields of Classical Studies.

In collaboration with the Papyrussammlung of the Austrian National Library Phoibos also publishes the series “Nilus. Studien zur Kultur Ägyptens und des Vorderen Orients”. Furthermore we distribute the publications of the Natural History Museum, Vienna (Naturhistorisches Museum, Wien) and books by foreign publishing houses, especially ones from Armenia, Bulgaria, Georgia, Romania, Hungary, Lebanon and Turkey.

For further information please turn to our website: www.phoibos.at

Phoibos Verlag
Anzengrubergasse 16/9
A-1050 Wien
office@phoibos.at
Dietrich Reimer Verlag

[Booth 19]

Dietrich Reimer Verlag was founded in 1845 by Dietrich Arnold Reimer, son of the well-known publisher Georg Andreas Reimer. It was focused on maps, geography, archaeology and art. Gebr. Mann Verlag traces back to a collaboration of Deutsches Archäologisches Institut and its worldwide departments in the 1920s, followed by cooperations with research institutions such as Deutsche Orient-Gesellschaft.

Today, Reimer Verlag and Gebr. Mann Verlag constitute Dietrich Reimer Verlag GmbH which still is privately owned and has a backlist of about 2,000 titles. There are about 60 new titles per year. The company is specialized on academic titles in the fields of archaeology, architecture, social and cultural anthropology and art history, including textbooks (i.e. “Klassische Archäologie. Eine Einführung”, ed. by A. Borbein, T. Hölscher, and P. Zanker), reference books, monographs, exhibition catalogues, architectural guides and journals.


Cambridge University Press

[Booth 20]

Cambridge University Press is an international publisher of scholarly and educational materials. Overseen by Beatrice Rehl, our classical art and archaeology list is an important part of our offering in classics. It is also among the most important and prestigious lists in our humanities publishing program as a whole. Comprehensive in scope, and ranging from the Bronze Age through Late Antiquity, our list includes books on all aspects of classical art, architecture, and archaeology by internationally recognized scholars.

We welcome proposals for cutting-edge monographs on all aspects of Greek and Roman material and visual culture, as well as reference works and textbooks.

Verlag Schnell & Steiner GmbH

[Booth 21]

The publishing house Schnell & Steiner belongs to the renowned fine art publishers in...
Germany. It was founded in Munich in 1933 by Dr. Hugo Schnell, an art historian, and Dr. Johannes Steiner, a bookseller and publisher, both avowed opponents of the National Socialism. They started with the so-called „Kleinen Kunstführer“, small booklets describing e.g. churches, monasteries, palaces and castles. More than 2,500 titles are released by now, since 2010 also as apps and audio guides for smartphones.

In addition, the publishing house offers a large and manifold book-program that focuses on all sectors of art and cultural history, exhibition catalogues, architecture and of course archaeology. Our publications go from prehistoric time to industrial archaeology, with a special focus on Classical Antiquity, Early Christianity and Medieval Archaeology. In archaeology, we collaborate with different institutions, for example with the German Archaeological Institute in Rome (DAI) in the publication of the famous “Römische Mitteilungen”. We distribute the scientific program of the Roman-Germanic Central Museum Mainz (RGZM) and publish also together with it a series directed to a larger public. We have been working for years with the Archaeological Museum Frankfurt in exposition and Museum catalogues of different sectors of archaeology, also with the Reiss-Engelhorn-Museen in Mannheim, the Römisch-Germanisches Museum Köln, the Antikensammlung in Berlin and the Generaldirektion Kulturelles Erbe in Rheinland-Pfalz (the exposition “VorZeiten”, which may be visited in the Landesmuseum on the Ehrenbreitstein in Koblenz).}

**The alumni network of the University of Bonn**

[Booth 22]

“The alumni network of the University of Bonn (www.alumni.uni-bonn.de) currently connects more than 15,000 members. Within the alumni network of the University of Bonn there are a multitude of department groups that foster the exchange between the different academic departments and their alumni. These groups are independently organized by the respective department and its alumni. The department group “classical archaeology” is organized by alumna Isabel Leogrande who is looking forward to meeting alumni of the University of Bonn at the stand with her colleague Anke Bohne.”

**Coursemanagement of the Archaeological Department Bonn**

[Booth 23]

The Coursemanagement of the Archaeological Department offers during the AIAC Conference a stand where we are offering all information about „How to study archaeology in Bonn“. We are going to inform about our BA and MA degree courses. Therefore, we have a variety of information material about the University of Bonn and about the museums of the University and the archaeological collections in Bonn.

**Coursemanagement of the Archaeological Department Cologne**

[Booth 24]
11. Evening events

COLOGNE | 22 MAY | TUESDAY

18:30 - 20:15 Visit to the Cologne Cathedral Excavations and organ concert

20:15 - 22:00 Reception at the Römisch Germanisches-Museum and night visit to the praetorium

BONN | 23 MAY | WEDNESDAY

Reception at the LVR-LandesMuseum Bonn and visit to the special exhibition ‘Im Meer versunken’ (Sicily and Underwater Archaeology)

20:00 - 20:30 Welcome Addresses
Martin Bentz | AIAC organiser
Rheinhard Limbach | Major of the City of Bonn
Michael Hoch | Rector of the University of Bonn
Michael Schmauder | Representative of the LVR-LandesMuseum

20:30 - 21:30 Visit to the museum with presentations of the different projects directed by the LVR-LandesMuseum Bonn

from 21.15 Reception
22.00            Closing of the museum
22.30            Closing of the museum shop
23.00            End of reception


COLOGNE & BONN | 24 MAY | THURSDAY
19:30 - ca. 23:15  Rhine Cruise with on-board dinner, departure from Bonn
20:00 - open end  Pub & Brewery Crawls in Cologne & Bonn (meeting point University of Bonn, Main Building at 19:15)

BONN | 25 MAY | FRIDAY
20:00 - 02:00  Congress party at the Brückenforum

BONN | 26 MAY | SATURDAY
17:00 - 19:00  Farewell Drink at the University of Bonn, Main Building
12. City tours, museums & excursions

Before, during and after the congress we are offering a variety of guided tours in Cologne and Bonn as well as excursions into the wider region.

**CITY TOURS**

**COLOGNE | 21 + 27 MAY | WHIT MONDAY AND SUNDAY**

A: Romanesque churches - St. Maria in Kapitol and Groß St. Martin
B: Cologne in Roman Times
C: Guided tour through the old town and visit to the Cologne Cathedral
D: Kölschtour

**BONN | 21 + 27 MAY | WHIT MONDAY AND SUNDAY**

A: The Roman Bonn

Archaeology and Economy in the Ancient World
Please note that the presentation of your congress badge has some advantages for you:

**COLOGNE**

free entrance to the Columba museum (architecture by Peter Zumthor, religious and modern art, currently with highlights from the Römisch-Germanisches Museum)
reduced tickets for the Wallraf-Richartz Museum (European art)
as well as for the Rauten-Strauch-Joest Museum (ethnological collection)

**BONN**

Furthermore, we are organising guided tours in the neighboring Akademisches Kunstmuseum (Collection of Antiquities) and to the Egyptian Museum (collection of Egyptian Antiquities in the Rhineland) of the University of Bonn. Reduced tickets are available at the reception.

**EXCURSIONS**

21 MAY | WHIT MONDAY | A: COLOGNE - AACHEN

27 MAY | SUNDAY | A: BONN – MAINZ
   B: BONN – MAYEN
   C: BONN – TRIER
   D: BONN – FRANKFURT
   E: COLOGNE – XANTEN
13. Practicalities

Registration information

Your congress registration includes admission to:

Cologne: the keynote lectures at the Guerzenich, the visit to the excavations and the organ concert in the Cologne Cathedral, the reception at the Römisch-Germanisches Museum and the night visit of the praetorium.

Bonn: the panel sessions, workshops, round tables, the poster session and the exhibitor fair at the University of Bonn (Main Building), the reception at the LVR-Museum Bonn with the possibility to visit the special exhibition ‘Unter dem Meer’ (Sicily and Underwater Archaeology), the congress party in the Brückenforum in Bonn and the Farewell Drinks at the University of Bonn.

Pre- and post-congress city tours and excursions as well as the Rhine cruise with on-board dinner are priced separately. Based on availability, tickets may be purchased on-site at the Registration desk. Please wear your congress name badge to all events and bring your ticket to present to congress staff for events with a fee.

The office will be open:

Tuesday, 22 May, 2018
08.00-18.30

Wednesday, 23 May, 2018
08.30-18.30

Thursday, 24 May, 2018
08.30-18.30

Friday, 25 May, 2018
08.30-18.30

Saturday, 26 May, 2018
08.30-18.30

Congress office location and hours

The congress office will be located at the Guerzenich in Cologne, the Römisch-Germanisches Museum (22 May) and at the Blaue Grotte at the University of Bonn (23-26 May).
Bus pick up and drop off

A free shuttle service from Cologne, Heumarkt to the University of Bonn will be provided for congress participants. Please register for this service through our conference management platform.

Excursions with starting point in Cologne depart from Komödienstraße 2-8.
Excursions with starting point in Bonn depart from Adenauer Allee/Am Hofgarten.

Important: Participants should be at the bus stop 15 minutes prior to the event departure time.

Public transport

The two locations are excellently linked by public transport (journey duration approx. 20-30 min.). We will offer a number of reduced tickets for the public transport.

Please register for this service through our conference management platform or come to the congress office.

Internet

Free Internet access will be provided for all participants at both locations.

Guerzenich, Cologne:
Choose the wlan ‘hotspot köln’, which gives you free access to the internet for 2 hours. You can always dial in again.

University of Bonn: Log-in via eduroam. If your home institution is a participant in this worldwide network, you can register using your own login data. If you are not affiliated with an institution, you can pick up an access password at the reception.

Food

Cologne
A selection of food will be provided at the Guerzenich. If you prefer to go out for a meal, there are many options from which you may choose. Examples include the establishments at the Heumarkt (located at the East end of Gürzenichstraße) or the adjacent Alter Markt as well as various other restaurants and food shops offering regional and international specialities.

Bonn
In and around the campus you will have several options for lunch. In the Main Building of the University of Bonn, the Cafe Unique and the Fritz Café, where they serve small snacks and refreshments can be found. In addition, the cafeteria (Nassestraße 11) offers a wide and inex-
pensive range of menus. A good alternative to the cafeteria food is the ‘KostBar’ - a cozy soup kitchen with two soups offered each day, or the Iss dich glücklich. Furthermore, the Café Blau, the Café Orange (with WiFi) and the Café Sahneweiß are good places to spend an hour. If you are searching for something more exotic, the Ichiban (Sushi Bar) or the Mandu (korean food) could be a good option for you.

**Photography**

The official AIAC 2018 photographers are Philip Groß, Laurenz Hillmann (Cologne) and Jutta Schubert (Bonn). They will be taking photographs around the congress and the evening events. A selection of photos will be published on our website after the congress.

**Cloakroom**

At the Guerzenich as well as at the University of Bonn we are offering a free coat check and luggage storage. However please understand that the conference cannot take any liability or accept responsibility for any articles and/or luggage damaged, lost or stolen, supervised or unsupervised.
With kind support of:
15. Imprint

XIXth International Congress of Classical Archaeology – „Archaeology and Economy in the Ancient World“
International Association for Classical Archaeology (AIAC)

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Köln/Bonn 2018