



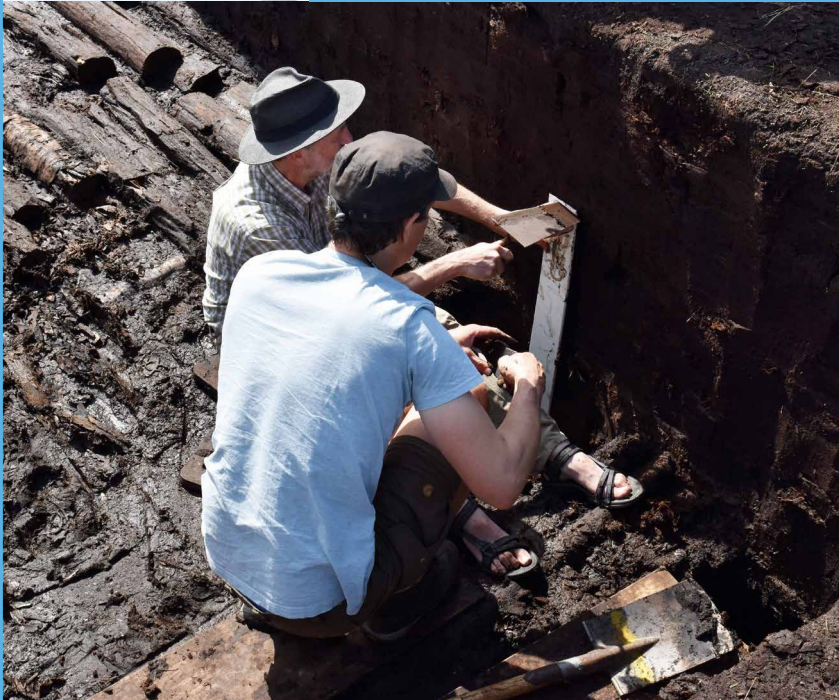
KIEL CONFERENCE

13.-18.03.2023

**Scales of Social,
Environmental &
Cultural Change
in Past Societies**

PROGRAMME

www.kielconference.uni-kiel.de



ROOTS
cluster of excellence


CRC 1266
SCALES OF TRANSFORMATION



KIEL CONFERENCE

Scales of Social, Environmental & Cultural Change in Past Societies

Kiel University, March 13 – 18, 2023

PROGRAMME

Editing:

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*Title: Excavation of Neolithic wooden trackway from Aschen Moor, Lower Saxony, Germany.
(Photo: Jan Piet Brozio)*

Photos: left: Pixabay; next page: CAU Kiel; page 15: A. Heitmann; last page: Till Kühl

WELCOME!

A warm welcome to Kiel!

The Johanna-Mestorf-Academy (with the Cluster of Excellence “ROOTS” and the Collaborative Research Centre 1266 “Scales of Transformation”) is pleased to welcome over 300 active participants, as well as further attendees, to the Kiel Conference: Scales of Social, Environmental and Cultural Change in Past Societies. This conference continues the proud tradition of the “Open Workshop: Socio-Environmental Dynamics Over the Last 15,000 Years: The Creation of Landscapes”, as its seventh iteration, following the conferences in 2009, 2011, 2013, 2015, 2017, and 2019. In addition, the 2021 EAA Annual Meeting took place in Kiel, unfortunately digitally due to the Covid-19 pandemic.

The interplay of environment, social relations, material culture, population dynamics, and human perception are the key factors of socio-environmental changes. The exploration of processes and parameters of societal change enable further exploration of transformations of human-environmental interactions. A transdisciplinary effort of scientists and scholars is necessary to achieve a better understanding of the roots of social, environmental, and cultural phenomena, as well as processes of transformation in a crucial period of human history, from late Pleistocene hunter-gatherers to state societies.

Within this framework, the scientific programme of this conference aims to promote discussion by merging themes that explore the roots of social, environmental, and cultural phenomena and processes, well as different scales of transformations in prehistoric and archaic societies. Therefore, the sessions will explore wide diachronic and interdisciplinary spectra: From Late glacial societies to communities of pre-modern cities, from topics on human adaptation and coping strategies, to those on burial rites, residential behaviour, the formation of complex networks, and past health, as well as different theoretical and methodological approaches covering social, physical, life, and formal sciences. Your diverse contributions will no doubt result in an excellent conference.

I would like to thank Franziska Engelbogen, Jennifer Schüle-Hansen, Nicole Taylor, Andrea Ricci, Anna-Lena Heyn and Angelika Hoffmann, as well as the office teams and student assistants, for their commitment and support in organising this conference!

I wish you an inspiring, fruitful time in Kiel.



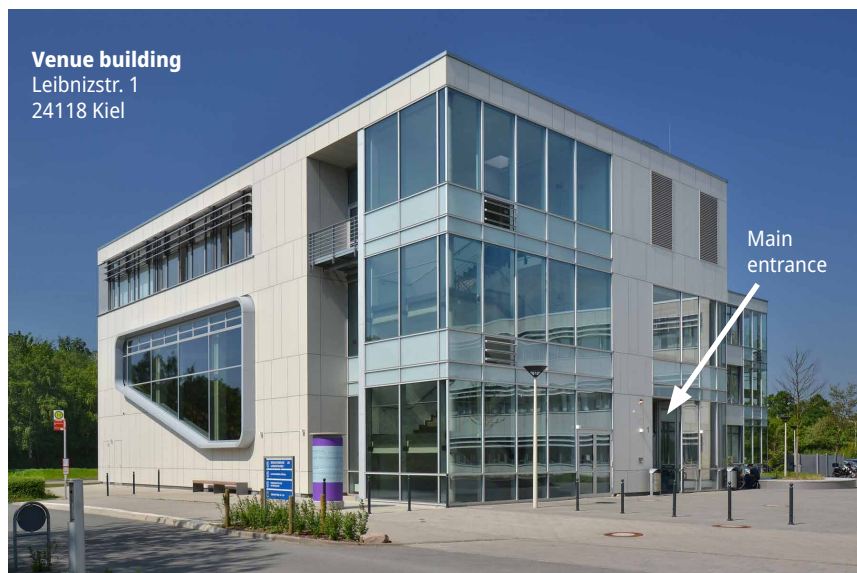
Johannes Müller

Conference President / Excellence Cluster “ROOTS – Social, environmental and cultural connectivity in past societies” / CRC 1266 “Scales of Transformation: Human-environmental interaction in prehistoric and archaic societies”

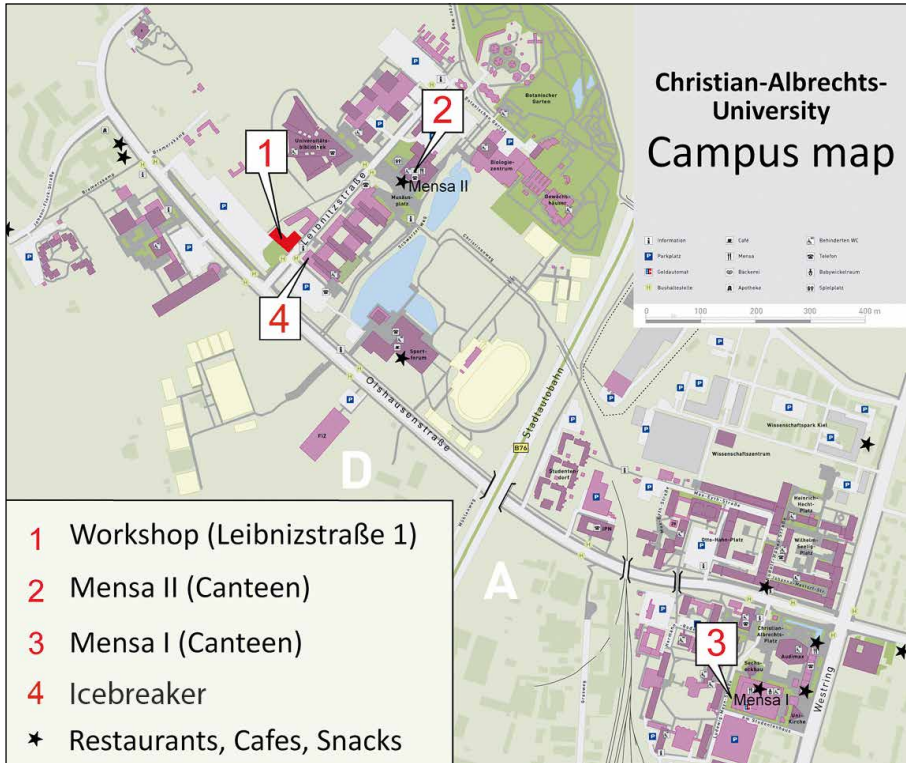


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PRACTICAL INFORMATION



WORKSHOP VENUES

Central venue

Leibnizstr. 1, 24118 Kiel

Icebreaker

Juridicum

Leibnizstr. 2, 24118 Kiel

Conference Dinner

Steigenberger Conti Hansa Hotel

Schloßgarten 7, 24103 Kiel

Bus excursion meeting point

Leibnizstr. 1, 24118 Kiel

GENERAL INFORMATION

Helpdesk

Leibnizstr. 1, Room 104

Opening hours: 8:00 til 18:00

WiFi Access

Please ask at the registration desk

Childcare

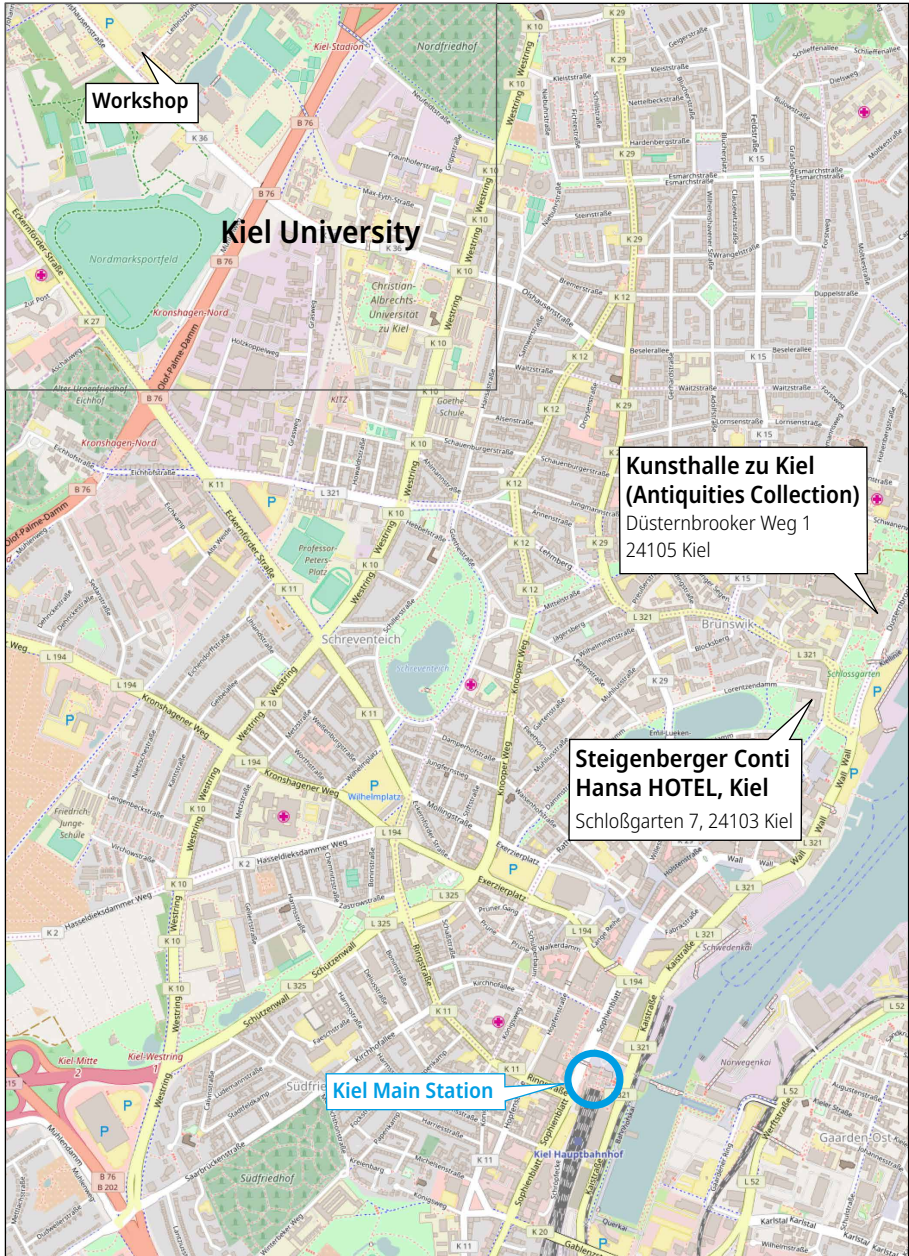
Olshausenstr. 80i (Container)

Local transport















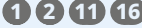













Taxi: +49 431 77070

Public transport: www.kvg-kiel.de

CITY MAP



WEEKLY OVERVIEW

	Monday, 13 March	Tuesday, 14 March	Wednesday, 15 March
08:00-08:30			
08:30-09:00		SESSION	SESSION
09:00-09:30	Registration	 	 
09:30-10:00			
10:00-10:30			
10:30-11:00		SESSION	SESSION
11:00-11:30		 	 
11:30-12:00			
12:00-12:30			
12:30-13:00			
13:00-13:30	Welcome		
13:30-14:00	JMA-Award	SESSION	SESSION
14:00-14:30		 	 
14:30-15:00			
15:00-15:30			
15:30-16:00	SESSION		POSTER SESSION 
16:00-16:30	  	SESSION	
16:30-17:00			
17:00-17:30			
17:30-18:00			
18:00-18:30	Central Keynote	Central Keynote	
18:30-19:00			
19:00-19:30			
19:30-20:00	Icebreaker 		Conference Dinner 
20:00-20:30			
20:30-21:00			

WEEKLY OVERVIEW

Thursday, 16 March



SESSION

3 6 5+15
20 34 42



SESSION

3 6 5+15
34 38 42



SESSION

9 13 24
31 38 42



SESSION

9 13 14
24 31 38

Central Keynote

**25th Anniversary of the
Journal of Neolithic
Archaeology**

Friday, 17 March



SESSION

4 13 14
27 37



SESSION

4 13 14
27 37



SESSION

4 14 37



Central Keynote

Final Plenary Meeting

Saturday, 18 March

08:00-08:30

08:30-09:00

09:00-09:30

09:30-10:00

10:00-10:30

10:30-11:00

11:00-11:30

11:30-12:00

12:00-12:30

12:30-13:00

Excursions

13:00-13:30

13:30-14:00

14:00-14:30

14:30-15:00

15:00-15:30

15:30-16:00

16:00-16:30

16:30-17:00

17:00-17:30

17:30-18:00

18:00-18:30

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19:00-19:30

19:30-20:00

20:00-20:30

20:30-21:00

Monday, 13 March

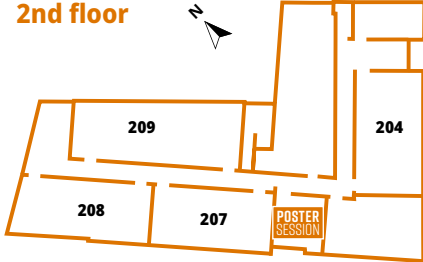


15:30 – 17:30

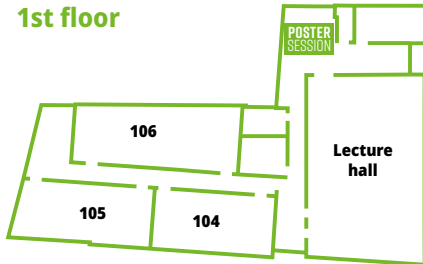
18:00 – 19:00

FLOOR PLAN LEIBNIZSTRASSE 1

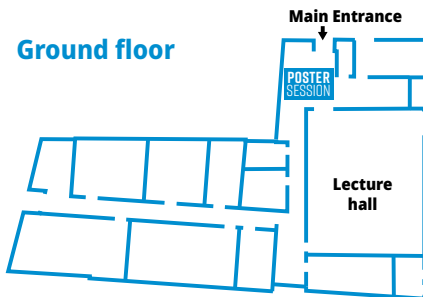
2nd floor



1st floor



Ground floor



ROOM 209 **SESSION 1**
 Mobility and exchange in the Late Neolithic and Bronze Age – Raw materials, networks, innovations

ROOM 208 **SESSION 17**
 Across Borders: Interdisciplinary Approaches to Bounded Space, Segregation, and Social Inequality in Past and Present

ROOM 207 **SESSION 41**
 Stone Age seafaring and early maritime societies

ROOM 204 **SESSION 25+32**
 Comparing Scales and Transformation in Population Dynamics: Old and New Challenges

ROOM 106 **SESSION 11**
 Between invasion and domestication: rethinking the socio-environmental ROOTS of crops, weeds and invasive species

ROOM 105 **SESSION 29**
 Macro-scale patterns in European prehistory 6000-1000 BCE

Lecture hall **SESSION 36** **CENTRAL KEYNOTE**
 Telscape: New insights into the human multiple land-use and impact on the environment in the European Neolithic
 L. Sanjuán

DAILY OVERVIEW

Tuesday, 14 March



8:30 – 10:00

10:30 – 12:00

13:30 – 15:00

15:30 – 17:30

18:00 – 19:00

ROOM 209

SESSION 1

Mobility and exchange
in the Late Neolithic and Bronze Age –
Raw materials, networks, innovations

SESSION 23

Through the flames and into
the grave – multidisciplinary
research into past and present
cremation practices and burials

ROOM 208

SESSION 16

Between over-exploitation and sustainability: Extraction of resources
as a driver for societal change and inequality

ROOM 207

SESSION 2

Beyond Gender transformations?
Archaeological context and intersectionality

ROOM 204

SESSION 25+32

Comparing Scales and Transformation in Population
Dynamics: Old and New Challenges

SESSION 22

On course to drowned land-
scapes of the North Sea – cultural
aspects, preservation potential
and geoscientific challenges

ROOM 106

SESSION 11

Between invasion and domestication: rethinking the socio-
environmental ROOTS of crops, weeds and invasive species

ROOM 105

SESSION 29

Macro-scale patterns in European
prehistory 6000-1000 BCE

SESSION 8

Analog Modelling the Late
Neolithic and the Early Bronze

Lecture hall

SESSION 36

Tellscape: New insights into the human multiple land-use and impact
on the environment in the European Neolithic

**CENTRAL
KEYNOTE**
D. Fuller

DAILY OVERVIEW

Wednesday, 15 March



8:30 – 10:00

10:30 – 12:00

13:30 – 15:00

15:30 – 17:30

18:00 – 19:00

ROOM 209

SESSION 23

Through the flames and into the grave – multidisciplinary research into past and present cremation practices and burials

SESS. 34

Barrows as records of human activities

ROOM 208

SESSION 18

Prehistory of politics – politics of prehistory

SESS. 20

De-escalation Strategies in Past Societies

ROOM 207

SESSION 39

Waterscape: Humans, Environment, and Hydrology in the Holocene

ROOM 204

SESSION 22

On course to drowned landscapes of the North Sea – cultural aspects, preservation potential and geoscientific challenges

SESSION 6

Household archaeology: new answers for old questions...

ROOM 106

SESSION 5+15

Waterscape Dynamics - Chances and Challenges in Human-Water Interactions

ROOM 105

SESSION 35

Cultivation under uncertainty - the interplay of social and ecological factors in prehistoric and ancient agriculture

Lecture hall

SESSION 3

Craft and apprenticeship in past societies: a barometer of social changes. Methods, Issues and Interpretations

POSTER SESSION

DAILY OVERVIEW

Thursday, 16 March



8:30 – 10:00

10:30 – 12:00

13:30 – 15:00

15:30 – 17:30

18:00 – 19:00

ROOM 209

SESSION 34

Barrows as records of human activities materials, networks, innovations

SESSION 31

Innovations in the Urnfield Culture

ROOM 208

SESS. 20

De-escalation Strategies in Past Societies

SESSION 38

Modeling cultural landscapes through the entanglement of human and non-human agents

ROOM 207

SESSION 42

Scales of Transformation: the power of material minds

ROOM 204

SESSION 6

Household archaeology: new answers for old questions. Multi-analytical and multi-scalar approaches to prehistoric domestic structures

SESSION 24

Mesolithic–Neolithic transformations in Baltic Sea Region: The bioarchaeological perspective

ROOM 106

SESSION 5+15

Comparing Scales and Transformation in Population Dynamics: Old and New Challenges

SESSION 13

Scales of mobility in 3rd millennium BC Europe

ROOM 105

Lecture hall

SESSION 3

Craft and apprenticeship in past societies: a barometer of social changes. Methods, Issues and Interpretations

SESSION 9

ROOTS Past-Present Connectivities Essay Competition

SESS. 14

Understanding past transformations: Complex patterns, scales, and anatomies

CENTRAL KEYNOTE
C. Metzner-Nebelsick

DAILY OVERVIEW

Friday, 17 March



8:30 – 10:00

10:30 – 12:00

13:30 – 15:00

15:30 – 16:30

16:30 – 17:30

ROOM 209

SESSION 4

Museums and university collections in the field of tension of current social discourses

ROOM 208

SESSION 27

Out of context in the Baltic Sea area: people, artefacts and material cultures from the Post-glacial times up to the 1st millennium cal BC

ROOM 207

ROOM 204

SESSION 37

Why do people discard? Questioning the relationship between valuation and behaviour

ROOM 106

SESSION 13

Scales of mobility in 3rd millennium BC Europe

ROOM 105

Lecture hall

SESSION 14

Understanding past transformations: Complex patterns, scales, and anatomies

CENTRAL KEYNOTE
K. Kristiansen

FINAL PLENARY MEETING

Saturday, 18 March

EXCURSION I: "Antiquities Collection Kiel"

A guided tour through the **Antiquities Collection by Manuel Flecker**.

C. 1 hour. Meeting point: 10:00 at the "Kunsthalle zu Kiel", Düsternbrooker Weg 1, 24105 Kiel

EXCURSION II: "Prehistoric Sites in Schlegwig-Holstein"

The route covers about 160 km and will take c. 9 hours (9.00 - 18.00). Departure will be from Leibnizstr. 1. We will go via Bredenbek and Brekendorf to Busdorf/Schleswig, and via Missunde and Kosel to Karlsminde and Jellenbek, then back to Kiel. We will explore Bronze Age, Neolithic, Middle Ages, some Slavs and Danewerk, Jellenbeck and 1864.



Session 35: Cultivation under uncertainty - the interplay of social and ecological factors in prehistoric and ancient agriculture

Chair: A. Hafner, M. Hostettler, E. Weiberg

Wednesday, March 15, Room 105

08:30 Session Keynote: Farming and early urbanism in Europe: the interplay of sociality, ecology and uncertainty

A. Bogaard

School of Archaeology, University of Oxford, Oxford, United Kingdom

09:00 Land use expansion in Late Bronze Age Greece – a success story?

E. Weiberg¹, M. Finné^{1, 2}

¹Department of Archaeology and Ancient History, Uppsala University, Uppsala, Sweden, ²Department of Human Geography, Uppsala University, Uppsala, Sweden

09:20 Drought and Subsistence Practices: Disentangling possible Adaptations during the 3rd and 2nd Millennium BCE in southern Iberia

J. Schirrmacher^{1, 2}, N. J. Almeida³, H.-P. Stika⁴, M. Weinelt^{1, 2, 5}

¹Institute of Prehistoric and Protohistoric Archaeology, Kiel University, Kiel, Germany, ²CRC 1266, Kiel University, Kiel, Germany, ³University of Lisbon, Lisbon, Portugal, ⁴University of Hohenheim, Hohenheim, Germany, ⁵Cluster of Excellence ROOTS, Kiel University, Kiel, Germany

09:40 Exploring changes in land use and human impact in the prehistoric Southern Balkans and Northern Greece

M. Hostettler^{1, 2}

¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland, ²Institute of Archaeology and Ancient History, Uppsala University, Uppsala, Sweden



10:00 Coffee break

10:30 Climate and Settlement in Bronze Age Northern Switzerland

C. Maise

Kantonsarchäologie Aargau, Brugg AG, Switzerland

10:50 Human-environment interactions in the Middle Kama River Basin (pre-Urals, Russia) during the Holocene

V. Batalova¹, P. Sannikov², E. Orlova², M. Pereskakov², V. Mingalev³, L. Shumilovskikh¹

¹Georg-August-University of Göttingen, Göttingen, Germany, ²Perm State University, Perm, Russian Federation, ³Higher School of Economics, Perm, Russian Federation

11:10 Discussion**11:20 Exploring social and environmental factors that shaped the crop choice at a Younger Bronze Age settlement in north-eastern Germany***M. Oelbüttel^{1, 2}, D. Filipović^{1, 2, 3}, W. Kirleis^{1, 2, 3}*¹Institute of Prehistoric and Protohistoric Archaeology, Kiel University, Kiel, Germany, ²CRC 1266, Kiel University, Kiel, Germany, ³Cluster of Excellence ROOTS, Kiel University, Kiel, Germany**11:40 Roman Egypt at the crossroad between agriculture and climate***S. Baldin*

Department of Ancient Civilizations, Basel University, Basel, Switzerland

**12:00 Lunch break****13:30 Exploring urban provisioning and environmental exploitation across early cities: isotopic and zooarchaeological evidence for herd management in Archaic Italy***A. Trentacoste¹, C. Makarewicz^{1, 2, 3}*¹Institute of Prehistoric and Protohistoric Archaeology, Kiel University, Kiel, Germany, ²Cluster of Excellence ROOTS, Kiel University, Kiel, Germany, ³CRC 1266, Kiel University, Kiel, Germany**13:50 Ex oriente oliva***E. Revert Francés*

CRC 1070, University of Tübingen, Tübingen, Germany

14:10 Discussion**14:20 Moving on the edge? Early farming among the peripheral communities of Central Europe***M. Ptáková¹, V. Komárková¹, M. Hajnalová², T. Šálková^{1, 3}, A. Pokorná⁴, M. Pták³, J. Bumerl¹, V. Vondrovský⁴*¹Laboratory of Archaeobotany and Palaeoecology, University of South Bohemia, České Budějovice, Czech Republic, ²Department of Archaeology, Constantine the Philosopher University, Nitra, Slovakia, ³Department of Archaeology, University of South Bohemia, České Budějovice, Czech Republic, ⁴Institute of Archaeology, Czech Academy of Sciences, Prague, Czech Republic

POSTER SESSION

■ **Wednesday, March 15, 15:30**

Poster **First results: Suitability of the Chora Plain on Samos (Greece) for ancient agriculture**

S. Dannemann¹, P. Avramidis², A. Emmanouilidis¹, J.-M. Henke³, C. Piechocki¹, I. Unkel⁴

¹Institute for Ecosystem Research, Kiel University, Kiel, Germany, ²University of Patras, Patras, Greece,

³DAI Athen, Athen, Greece, ⁴University of Heidelberg, Heidelberg, Germany

Safer Space Policy

The ROOTS and CRC 1266 are committed to ensure that all participants of the Kiel Conference experience a safe and hospitable environment, regardless of age, gender, sexual identity, disability, physical appearance, nationality, ethnicity, or religion. The ROOTS and CRC 1266 will not tolerate direct or indirect discrimination against any person on grounds of any of the above.

We ask all participants to respect the personal boundaries of others, whether they be physical, emotional or cultural. The ROOTS and CRC 1266 believe that people from different backgrounds can bring fresh ideas, thinking and approaches which will make our open workshop both innovative and effective. We support the right of all participants to be able to express their viewpoints without undue interruption. Constructive criticism and dissent are welcome, but should be focussed on the issue, not the person. Please consider the effect your own words and actions may have on others.

The ROOTS and CRC 1266 will not tolerate inappropriate, intimidating or offensive behaviour, whether verbal, written or physical, including harassment or unwarranted and unwelcome attention in any form.

Failure to abide by this policy will result in appropriate action being taken by the ROOTS and CRC 1266 or the conference organisers. If necessary local authorities will be informed.

Any behaviour during the Kiel Conference that contravenes this policy and that has affected you personally or that you have witnessed, should be reported immediately to the ROOTS and CRC 1266 office by email to kielconference2023@roots.uni-kiel.de, or by leaving a note with contact details at the reception desk. Any reports received will be handled by the ROOTS and CRC 1266 board and the organisers with the utmost confidentiality.

