



THE ROLE OF CULTURE IN EARLY EXPANSIONS OF HUMANS

EXPANSIONS 2015

13.07. – 17.07.2015

Frankfurt am Main, Germany

–3rd circular –

Dear colleagues,

We are pleased to provide you with a preliminary program of the forthcoming conference EXPANSIONS 2015 and some further details to facilitate your arrival.

Please note that abstract submission is now closed, but you are welcome to bring an extra poster along (without being included in the abstract volume). If you do plan to bring an extra poster, please let us know in advance, so we can arrange to provide enough space.

If you have any further questions, please do not hesitate to contact us.

We look forward to seeing you soon in Frankfurt!

Arrival

All of the conference facilities can be reached by U-Bahn subway lines U4, U6, and U7 and are a five minute walk from the station “Bockenheimer Warte” (see maps on last page).

From the airport take the S-Bahn (regional train) S8 or S9 to the “Hauptbahnhof” main railway station (3 stops, ca. 30 min), and then change to subway line U4 to “Bockenheimer Warte” (2 stops, 4 min).

From the “Hauptbahnhof” main railway station take subway line U4 to “Bockenheimer Warte” (2 stops, 4 min).

Important Addresses and Contacts

BiK-F Biodiversity and Climate Research Centre (Conference venue)

Georg-Voigt-Straße 14-16, 60325 Frankfurt am Main

Senckenberg Museum (venue of the Icebreaker Party)

Senckenberganlage 25, 60325 Frankfurt am Main

Organization/administration:

Julia Hess and Claudia Groth

expansions2015@roceeh.net

in urgent cases call **mobile +49 157-55 658 606**

Conveners: The Role of Culture in Early Expansions of Humans (ROCEEH)

Website: <http://www.roceeh.net/network/expansions-2015/>

General Program

Sunday 12.07.	18:00 - 20:00	Registration and Icebreaker at Senckenberg Museum
Monday 13.07.	09:00 - 18:00	Opening, Scientific sessions – Expansions of Ecospace
Tuesday 14.07.	09:00 - 18:00	Scientific sessions – Expansions of Cultural Capacities
Wednesday 15.07.	09:00 - 15:00	Excursion to the Hessian State Museum, Darmstadt
	15:00 - 18:30	Scientific session – Multidisciplinary approaches to expansions
	19:30	Conference Barbeque
Thursday 16.07.	09:00 - 18:00	Scientific sessions – Quantification and Modelling
	19:00	Meeting of the Initiative for an INQUA International Focus Group
Friday 17.07.	09:30 - 15:00	Scientific sessions – Expansions of Range, Closing Discussion

Monday 13.07.2015

09:00 Registration in front of the BiK-F lecture hall

09:30 Friedemann Schrenk

Welcome and general introduction

09:45 Miriam Haidle

Welcome and introduction to the ROCEEH project

EXPANSIONS OF ECOSPACE

10:15 Angela A. Bruch

Introduction to the scientific session

10:25 Hugues-Alexandre Blain, Jordi Agusti, Robert Sala, Bienvenido Martínez-Navarro

Investigating the climatic conditions in the Early Pleistocene of Spain: The case of the hominid site of Barranco León (Granada, Spain)

10:50 Ronan Orain, E. Russo Ermolli, V. Lebreton, A.A. Bruch, A.-M. Sémah

Ecosystem dynamics and human migrations in central-southern Italy during the Middle Pleistocene: the key influence of local refuge areas.

11:15 COFFEE BREAK

11:45 Lutz Christian Maul, Angela A. Bruch, Krister T. Smith, Ran Barkai, Avi Gopher

Palaeoecological implications of the microvertebrates from the Middle Pleistocene Qesem Cave in Israel

12:10 David Horne, Nick Ashton, Simon G. Lewis

Climate on the edge of human dispersal in the European Middle Pleistocene

12:35 J. Saarinen, J.T. Eronen, M. Fortelius, H. Seppä, A. M. Lister

Patterns of body mass and diet of large ungulates from Middle and Late Pleistocene of Western Europe and their connections with vegetation openness

13:00 LUNCH BREAK

14:00 Geoffrey King, Simon Kuebler, Sally Reynolds, Peter Owenga, Stephen Rucina, Isabelle Winder, Geoff Bailey

Hominin evolution in dynamic environments

14:25 Geoff Bailey, Dimitris Sakellariou, Garry Momber, Maud Devès, Robyn Inglis, Matthew Meredith-Williams, Abdullah Alsharekh

Coastlines as pathways of hominin expansion: A view from the Red Sea

- 14:50 Florian Sauer
Geomorphology-based biodiversity modelling. Potential bioresource variation in Late Palaeolithic site catchments
- 15:15 COFFEE BREAK**
- 15:45 Gerlinde Bigga
Plant resources in Schöningen (Northern Germany). Insights into a Middle Pleistocene flora and its usability for Homo heidelbergensis
- 16:10 Britt Starkovich
Changes in hominin subsistence strategies in the Middle Paleolithic through Mesolithic of Southern Greece
- 16:35 Emily Lena Jones
The ecospace of Southwest Europe at the Middle-Upper Paleolithic transition: A view from the archaeofaunal record
- 17:00 Discussion

Tuesday 14.07.2015

EXPANSIONS OF CULTURAL CAPACITIES

- 09:00 Miriam Haidle
Expansions of hominin performances
- 09:40 Sarah Wurz
Cultural development in the last ca. 400 ka in South Africa – an overview
- 10:20 Ron Shimelmitz
The late Lower Paleolithic Acheulo-Yabrudian complex at the crossroads of human evolution
- 11:00 COFFEE BREAK**
- 11:30 Daniel Adler, Keith N. Wilkinson, Simon Blockley, Darren F. Mark, E. Frahm, Beverly A. Schmidt-Magee, Philip J. Glauberman, Yannick Raczynski-Henk, Olaf Jöris, Boris Gasparian
Early Levallois technology and the transition from the Lower to Middle Palaeolithic in the Southern Caucasus
- 12:10 Olaf Jöris
The “cultural performances” of the European Palaeolithic ~600 – 12 ka, and the evolution of human behaviour and society
- 12:50 LUNCH BREAK**

- 14:00 Tongli Qu, Youping Wang
Developments in cultural behavior in the last ca. 400 ka - material evidence, overview China
- 14:40 Rimtautas Dapschauskas
The expansion of symbolic and ritual capacities in the Homo lineage from an interdisciplinary perspective
- 15:10 Andrew Kandel, Michael Bolus, Nicholas J. Conard, Miriam N. Haidle
The concept of behavioural hyperplasticity
- 15:50 COFFEE BREAK**
- 16:20 Duilio Garofoli
The "gannet approach": Challenging hyper-intellectualism in cognitive archaeology
- 17:00 Patrick Roberts
Using material engagement theory and metaplasticity to explore Late Pleistocene material change and cognitive capacities
- 17:40 Discussion

Wednesday 15.07.2015

EXCURSION TO THE HESSIAN STATE MUSEUM, DARMSTADT

09:00 Departure in front of the main entrance of the Senckenberg Museum

Guided tours to the highlights of the museum (art, culture, natural sciences) and individual time to discover more

PACKED LUNCH

14:00 Return to Frankfurt

14:45 Arrival at BiK-F lecture hall

MULTIDISCIPLINARY APPROACHES TO EXPANSIONS

15:00 Regine Stolarczyk
The expansion of behavioral performance: Innovations during the Middle Stone Age of Southern Africa

15:20 Sebastian Scheiffele
The complexity of making fire

- 15:40 Gregor D. Bader, Manuel Will, Nicholas J. Conard
Change and continuity in the organization of lithic technology during the later Middle Stone Age of KwaZulu-Natal (South Africa)
- 16:00 Tina Lüdecke, Friedemann Schrenk, Heinrich Thiemeyer, Ottmar Kullmer, Jens Fiebig, Ulrike Wacker, Andreas Mulch
Climate and vegetation patterns in the Malawi Rift during the time of early hominin evolution
- 16:20 COFFEE BREAK**
- 16:50 Geraldine Quénéhervé, Felix Bachofer, Christine Hertler, Liane Giemsch, Michael Märker
Detection of soil and landscape patterns related to Stone Age artefact and fossil find locations
- 17:10 Felix Bachofer, Geraldine Quénéhervé, Michael Märker, Christine Hertler, Volker Hochschild
Paleo-environmental research in a semiarid study area in Northern Tanzania - A synopsis
- 17:30 Manuel Will, Jay T. Stock
New body size estimates for early Homo and their implications for the first dispersals out of Africa

CONFERENCE BARBEQUE

19:30 in the BiK-F garden in front of the BiK-F lecture hall

Thursday 16.07.2015

QUANTIFICATION AND MODELLING

- 9:00 Jésus Rodríguez, Ana Mateos Cachorro, Jesus A. Martín-González, Cristina Esteban
Modelling the distribution of Pleistocene archaeological and palaeontological sites in Europe
- 9:30 Maria Rita Palombo
Faunal dynamics during the Early Pleistocene: Hints for detecting causal factors behind the first human dispersal in Southwest Europe
- 10:00 Rebekka Volmer
Small but mighty – Competition for food resources among small carnivores and humans in the Southeast Asian Holocene
- 10:30 Simone Callegari, J. D. Weissmann, N. Tkachenko, G. Lake, Ch. P. E. Zollikofer
High-performance agent-based modeling of large-scale population dynamics
- 11:00 **COFFEE BREAK**
- 11:15 Ericson Hölzchen, Christine Hertler
Exploring Out of Africa scenarios by means of agent-based modeling

- 11:45 Benjamin Duppe, Fabian Lorig, Ericson Hölzchen, Christine Hertler, Michael Märker, Ingo J. Timm
Modeling the environment for simulation of early human dispersal using cellular automata
- 12:15 Ingo Timm, Fabian Lorig, Ericson Hölzchen, Christine Hertler
Scaling agent-based simulation of early human dispersal
- 12:45 Mathias Gutmann
Simulation and mimesis
- 13:15 **LUNCH BREAK**
- 14:00 Boris Schröder-Esselbach
Phenomenological modelling approaches: concepts, applications and limits
- 14:30 Thomas Müller, Rahel Sollmann
Learning and environmental factors in long-distance animal movement
- 15:00 Andreas Bolten, Christian Willmes, Georg Bareth
Expansion modelling in the SFB 806 framework
- 15:30 **COFFEE BREAK**
- 15:45 Carl Georg Heise, Anusch Taraz
Graph theory based methods: Another way to model expansion?
- 16:15 Domenico Capolongo
SIGNUM: A numerical landscape evolution model
- 16:45 Carleton, Christopher W., Campbell, David, Collard, Mark
Developing a toolkit for studying human–environment interaction in the archaeological record
- 17:15 Discussion
- 19:00 Meeting of the Initiative for an INQUA International Focus Group
“Modelling human presence and environmental dynamics during the Mid-Pleistocene Revolution”

Friday, 17.07.2015

EXPANSIONS OF RANGE

- 09:00 Hanneke Meijer
Paleoecological perspectives from fossil bird faunas in Southeast Asia
- 09:25 Susanne Haupt
*Paleodiet of *Homo erectus* and *Duboisia santeng* in Early Pleistocene of Sangiran*
- 09:50 Knut Bretzke
New evidence for a late Middle Pleistocene occupation of Southeast Arabia

10:15 Trine Kellberg Nielsen
What about southern Scandinavia? Discussing the northern range of Neanderthals in the late Middle and early Late Pleistocene

10:40 Susan Keates, Yaroslav V. Kuzmin
The spread of early modern humans in Eurasia: the paradigm is changing

11:05 COFFEE BREAK

11:15 Hominin dispersals beyond the African continent –
Discussion round

13:00 LUNCH BREAK

14:00 Closing discussion

15:00 Farewell coffee break

CLOSING