

Inside – Outside

Integrating Cave and Open-Air Archives

International Science Meeting in

Cologne, 06 – 09 April 2016

Organized by the Collaborative Research Centre 806 “Our Way to Europe:
Culture-Environment Interaction and Human Mobility in the Late Quaternary”

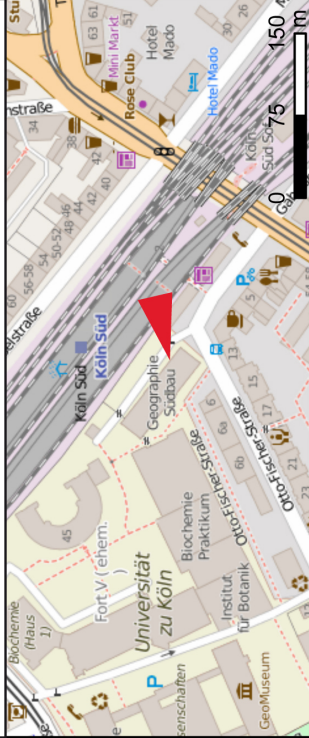


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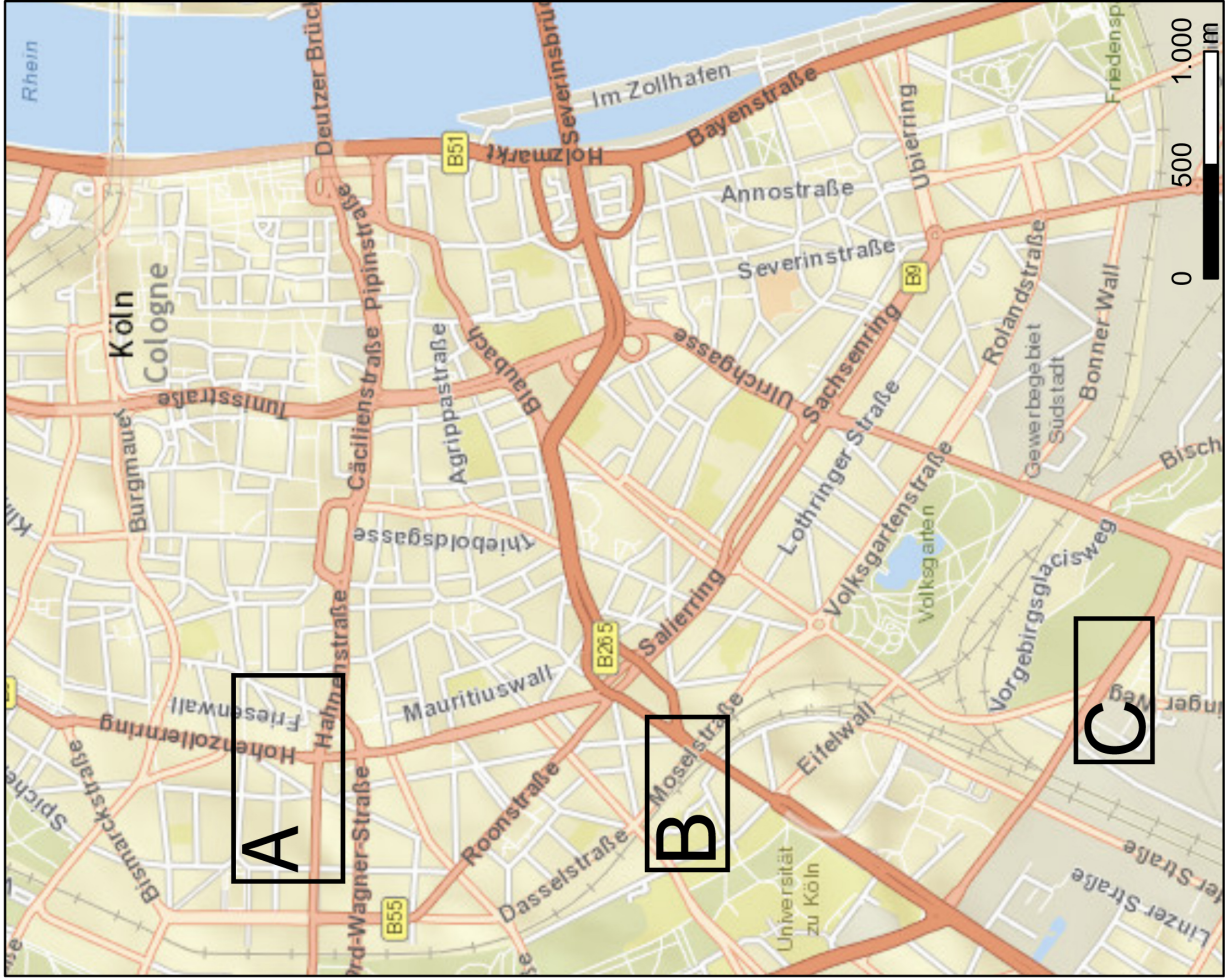
A Hotel „Flandrischer Hof“, Flandrische Str. 3-11



B „Icebreaker“ Location, Otto-Fischer-Str. 4



C Workshop Location, Höniger Weg 100



Location

The science meeting will be held in Cologne. All sessions will take place at the Department of Geoscience.

Main entrance: Pohligstr. 3 (4th floor), 50969 Köln

Side Entrance: Höninger Weg 100 (4th floor), 50969 Köln

<http://www.uni-koeln.de/uni/plan/interaktiv/> (building number 410)

Organizers

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Aims and Scope

The meeting Inside-Outside will bring together international experts from different fields of research, such as geology, geography, geophysics and archaeology. They will present their respective research regarding caves, rock-shelters and open-air sites and will discuss various aspects of data integration.

The meeting starts with two scientific sessions on geoarchaeological and geochronological methods providing the base of reliable correlations between caves and open-air sites in time and space. Building on geoscientific data, the third session has a focus on archaeological case studies, which will shed light on the dynamics behind pattern of land-use including the seasonal mobility of Palaeolithic hunter-gatherers in regions where caves and rock-shelters are found next to open-air sites. Finally the fourth session is intended to explore analytical approaches for data integration and extrapolation of regional findings to broader spatial scale.

Programme

Wednesday 06 April

Arrival

18:30 Registration and check-in

Icebreaker (Seminar room Ü3, Institute for Geography, Otto-Fischer-
Straße 4, 50674 Köln)

Thursday 07 April

08:30–09:30 Registration and check-in

09:00–09:10 Welcome address (*Jürgen Richter*)

09:10–09:30 Introduction to the Science Meeting "Inside - Outside"
(*Thomas Hauck, Karin Kindermann, Martin Kehl*)

Session 1: Searching for stratigraphical markers

Chair: Gerd-Christian Weniger

09:30–09:50 In- and outside archives, processes and stratigraphies - Constraints and chances (*Olaf Bubbenzer*)

09:50–10:10 Geoarchaeological approaches to stratigraphy and site formation in caves and rock-shelters of the Mediterranean region (*Diego E. Angelucci*)

10:10–10:30 "In" and "Out" in the Crimea: Site Formation processes of Middle Paleolithic sites at Kabazi Mountain (*Thorsten Uthmeier, Victor P. Chabai*)

10:30–11:00 **Coffee & Tea**

11:00–11:20 Interpreting stratigraphic records in archaeological research – A cryptotephra perspective (*Dustin White*)

11:20–11:40 Linking our records - Tephra layers as marker horizons in the Carpathian-Balkan region (*Daniel Veres*)

- 11:40-12:00 Pollen taphonomy of cave sediments: what does the pollen record in caves tell us about external environments and how do we assess its reliability (*Marta Fiacconi, Christopher O. Hunt, David Simpson*)
- 12:00-12:20 Undisturbed or disturbed? – Micromorphological indicators for evaluating stratigraphic integrity in Palaeolithic cave sites and rock shelters (*Martin Kehl*)
- 12:20-13:00 **Discussion Session 1 – Searching for stratigraphical markers**
- 13:00-14:00 **Lunch**
- 14:00-15:00 **Poster presentation**

Session 2: Setting the time frame

Chair: Janna Just

- 15:00-15:20 Potentials and problems of luminescence dating for linking open-air with cave archives (*Christoph Schmidt*)
- 15:20-15:40 The complementarity of luminescence dating methods illustrated on the Mousterian sequence of the Roc de Marsal: A series of reindeer-dominated, Quina Mousterian layers dated to MIS 3 (*Guillaume Guérin*)
- 15:40-16:10 **Coffee & Tea**
- 16:10-16:30 OSL of burned rocks and other novel techniques: How luminescence dating can contribute to archaeological research (*Georgina King*)
- 16:30-16:50 Luminescence dating of archaeological sediments – Comparing single grain and multiple grain data (*Nicole Klasen*)
- 16:50-17:10 Archaeomagnetic applications of archaeological interest to the study of caves and open-air sites. Some examples from the Iberian Peninsula (*Ángel Carrancho Alonso*)
- 17:10-17:30 The Last Glacial Maximum and Heinrich Event 1 on the Iberian Peninsula: A regional climate modelling study to understand different settlement patterns (*Patrick Ludwig*)
- 17:30-18:00 **Discussion Session 2 – Setting the time frame**
- 19:30 **Conference Dinner at Brewery Pütz**
Engelbertstraße 67, 50674 Köln

Friday 08 April

Session 3: Integrating archaeological markers

Chair: Thorsten Uthmeier

- 09:00-09:20 Late Pleistocene Landscapes of Mt. Damota/SW Ethiopian Highlands – Attractive environment or periphery?
(Ralf Vogelsang, Steven A. Brandt)
- 09:20-09:40 Significance of intersite correlations for Late Pleistocene environmental reconstructions and human adaptation: An Example from Egypt
(Karin Kindermann, Felix Henselowsky, Philip van Peer, Olaf Bubbenzer)
- 09:40-10:00 Tales of caves and open-air sites: A Levantine perspective
(Erella Hovers)
- 10:00-10:30 **Coffee & Tea**
- 10:30-10:50 (Dis-) Continuity of Late Pleistocene and early Holocene land-use patterns in the Eastern Adriatic (Thomas Hauck, Wei Chu)
- 10:50-11:10 Bridging prehistoric caves with buried landscapes in the Swabian Jura (South-West Germany)
(Alvise Barbieri, Nicholas Conard, Christopher Miller)
- 11:10-11:30 Taking up the challenge. Methodological and epistemological renewal focused on open-air Palaeolithic sites in northern Iberia
(Alvaro Arrizabalaga)
- 11:30-12:00 **Discussion Session 3 – Integrating archaeological markers**
- 12:00-12:30 **Poster presentation**
- 12:30-13:30 **Lunch**

Session 4: Integrating spatial context

Chair: Finn Vleberg

- 13:30-13:50 Correlating cave and open-air stratigraphic sequences: A few case studies from Belgium (Stéphane Pirson, Kévin Di Modica, Paul Spagna)
- 13:50-14:10 Speleothems in Central Eastern Europe - What they tell about climate change and human evolution
(Michael Staubwasser, Cristina Montana Puscas)

- 14:10-14:30 Site catchment analysis as a tool for understanding settlement pattern.
Case studies from Iberia
(*María de Andrés-Herrero, Daniel Becker, Gerd-Christian Weniger*)
- 14:30-14:50 Agent-Based Modeling of Hunter-Gatherer Adaptive Strategies
(*Martin Solich, Marcel Bradtmöller*)
- 14:50-15:20 **Coffee & Tea**
- 15:20-15:40 Considerations about the relationship between cave art sites and the subsistence system of Magdalenian hunter-gatherer in south-western France (*Andreas Pastoors*)
- 15:40-16:00 Modeling tempos of reoccupation and abandonment in hunter-gatherer sites (*Steven L. Kuhn, William Randall Haas*)
- 16:00-16:30 **Discussion Session 4 – Integrating spatial context**
- 16:30-17:00 **Final Discussion and Closing**

Saturday 09 April

- 08:00-16:00 **Excursion**
The excursion will start at 8 a.m. and lead from Cologne to the partly loess covered terraces of Rhine River, where we will visit an open cast mine and a recent excavation site. We will discuss occupation by palaeolithic hunter-gatherers under periglacial conditions of the loess steppe as well as the onset of farming on fertile soils during the early Holocene. Afterwards we pay a visit to the LVR- Landes-Museum Bonn to take a glance on human and dog fossils from the Lateglacial ("Oberkasseler Doppelgrab") and artefacts retrieved in the Cologne lowlands. In Bonn, we will pass the beautiful Siebengebirge, a mountainous area formed by explosive volcanisms during the Tertiary. Return to the University will be at 4 p.m.