

# 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”



**1<sup>st</sup> Circular**

## 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.

## Organizers

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## Location

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

Main entrance:      Pohligstr. 3 (4<sup>th</sup> floor), 50969 Köln

Side entrance:      Hönninger Weg 100 (4<sup>th</sup> floor), 50969 Köln

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

## **Wednesday 06 April**

Arrival

Registration and check-in

Icebreaker

## **Thursday 07 April**

Registration and check-in

Welcome address

Introduction to the Science Meeting “Inside-Outside”

### Session 1: Searching for stratigraphical markers

Geomorphology Overview (Title to be announced) (*Simon J. Armitage*)

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

Site Formation Processes in the Crimean Middle Palaeolithic – A Comparative Study of Selected Key Sites (*Thorsten Uthmeier*)

Interpreting stratigraphic records in archaeological research – a cryptoheptra perspective (*Dustin White*)

Linking our records – tephra layers as marker horizons in the Carpathian-Balkan region (*Daniel Veres*)

Pollen taphonomy of cave sediments: what does the pollen record in caves tell us about external environments and how do we assess its reliability (*Christopher Hunt, David Simpson, Marta Fiacconi*)

Undisturbed or reworked? - A micromorphological approach for evaluating stratigraphic integrity in Iberian cave sites and rock-shelters (*Martin Kehl*)

*Discussion session 1*

## Session 2: Setting the time frame

Time is everything – the future challenges of U-series dating of speleothems (*Norbert Frank*)

Potentials and problems of luminescence dating for linking open-air with cave archives (*Christoph Schmidt*)

The complementarity of luminescence dating methods – how comparing signals may help resolving complex chronological studies (*Guillaume Guerin*)

OSL of burned rocks and other novel techniques: how luminescence dating can contribute to archaeological research (*Georgina King*)

Luminescence dating of cave deposits – comparing single grain and multiple grain data sets (*Nicole Klasen*)

A chronological perspective in the dating of nearby cave and open-air Palaeolithic sites: a case study from the Altai, Siberia (*Katherina Douka*)

Archaeology of time and the palimpsest nature in the Palaeolithic. Discussing the temporal resolution of human activities on the base of different archives in the north of Italy (*Marco Peresani*)

*Discussion session 2*

## Friday 08 April

### Session 3: Integrating archaeological markers

Late Pleistocene Landscapes of Mount Damota/SW Ethiopian Highlands (*Ralf Vogelsang, Jürgen Richter, Steven Brandt*)

Location or site? Resolving cave and open air data. A Case study from Libya (*Tim Reynolds*)

Palaeoclimate and intersite correlations from the Egyptian Late Pleistocene (*Karin Kindermann, Olaf Bubenzer, Philip van Peer*)

Cave and open-air sites in Israel (Title to be announced) (*Erella Hovers*)

Differential use of space in Balkan Prehistory: Some examples (*Thomas Hauck, Wei Chu*)

Geoarchaeological identification of EUP complex in cave and open-air environment in Moravia (*Petr Neruda*)

Prehistoric caves and buried landscapes from the Swabian Jura (*Alvise Barbarieri*)

Taking up the challenge. Methodological and epistemological renewal focused on open air Palaeolithic sites in northern Iberia (*Alvaro Arrizabalaga*)

Considerations about the relationship between painted caves and the subsistence system of Magdalenian hunter-gatherer in south-western France (*Andreas Pastoors*)

*Discussion session 3*

## Session 4: Integrating spatial context

Correlating cave and open-air stratigraphic sequences: a few case studies from Belgium (*Stéphan Pirsson*)

Speleothems in Central Eastern Europe – What they tell about climate change and human evolution (*Cristina Montana Puscas*)

Site catchment analysis as tool for understanding settlement pattern. Case studies from Iberia (*María Andrés-Herrero*)

Enthnological modelling (Title to be announced) (*working group Thomas Widlok*)

Modelling tempos of reoccupation and abandonment in hunter-gatherer sites (Steven Kuhn)

*Discussion session 4*

*Final discussion and closing*

## **Saturday 09 April**

Excursion