



## 12<sup>th</sup> Annual ESHE Conference

Tübingen, Germany

### Conference Schedule

Our meeting is supported by:

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**WORDS BONES GENES TOOLS**  
Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past

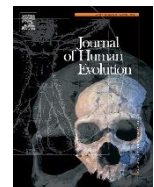
EBERHARD KARLS  
**UNIVERSITÄT**  
**TÜBINGEN**



  
**Baden-Württemberg**  
LANDESAMT FÜR DENKMALPFLEGE  
IM REGIERUNGSPRÄSIDIUM STUTTGART

  
THE ROLE  
OF CULTURE  
IN EARLY  
EXPANSIONS  
OF HUMANS

  
**ELSEVIER**



## COVID 19 Regulations

As the COVID-19 pandemic is still ongoing, ESHE 2022 will follow hygiene regulations in place at the time of the meeting.

In order to ensure as safe an event as possible, in-person participants will be required to show up to date vaccination status and / or recent negative test result. Medical masks will be required during the indoor conference sessions, with the exception of participants while presenting and during lunch / coffee breaks.

## Venues

### Public keynote lecture, September 21st, 18:00

Public Lecture by Prof. Nicholas Conard, on :  
*'The caves of the Swabian Jura and the evolution of figurative art, religion and music'.*

The lecture will take place in the Alte Aula (Centre of Old Town, Tübingen), walking distance from all the hotels. The room can welcome up to 170 participants. Lecture will start at 18.00 pm and finish at 19.30 (including questions).



*Alte Aula, old city, Tübingen*

## **Preregistration, Opening reception, September 21st, 19:30:**

This event will take place at the Rittersaal of the Tübingen castle, offered by the Tübingen Museum (MUT). In case of fair weather, the reception can take place also outside in the Schlosshof.



*Rittersaal and Schlosshof, Tübingen Castle, old city Tübingen*

## **Conference sessions, September 22-24:**

Audimax, Neue Aula, University of Tübingen. The conference venue is located at walking distance from the old town of Tübingen and most of the hotels.



*Neue Aula, Tübingen Centre*

## Poster sessions, September 22-23:

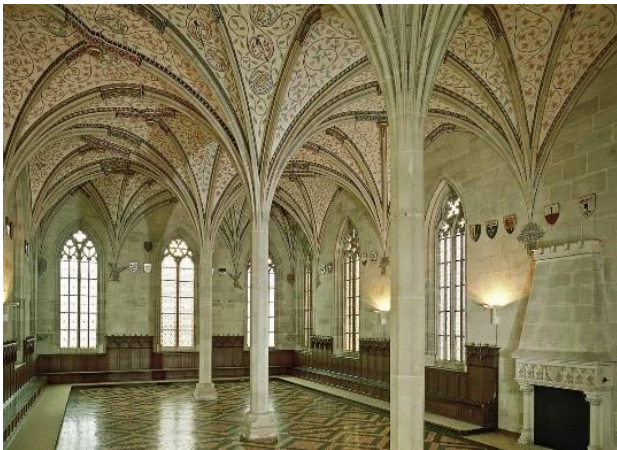
All poster sessions will be held in person at the Museum venue, located in the centre of Tübingen and 5-10 minutes' walk from the Neue Aula. The space normally accommodates up to ca. 400 individuals, and there will be room for 50 poster walls to show 100 posters at a time.



*Museum, old city Tübingen*

## Closing Dinner

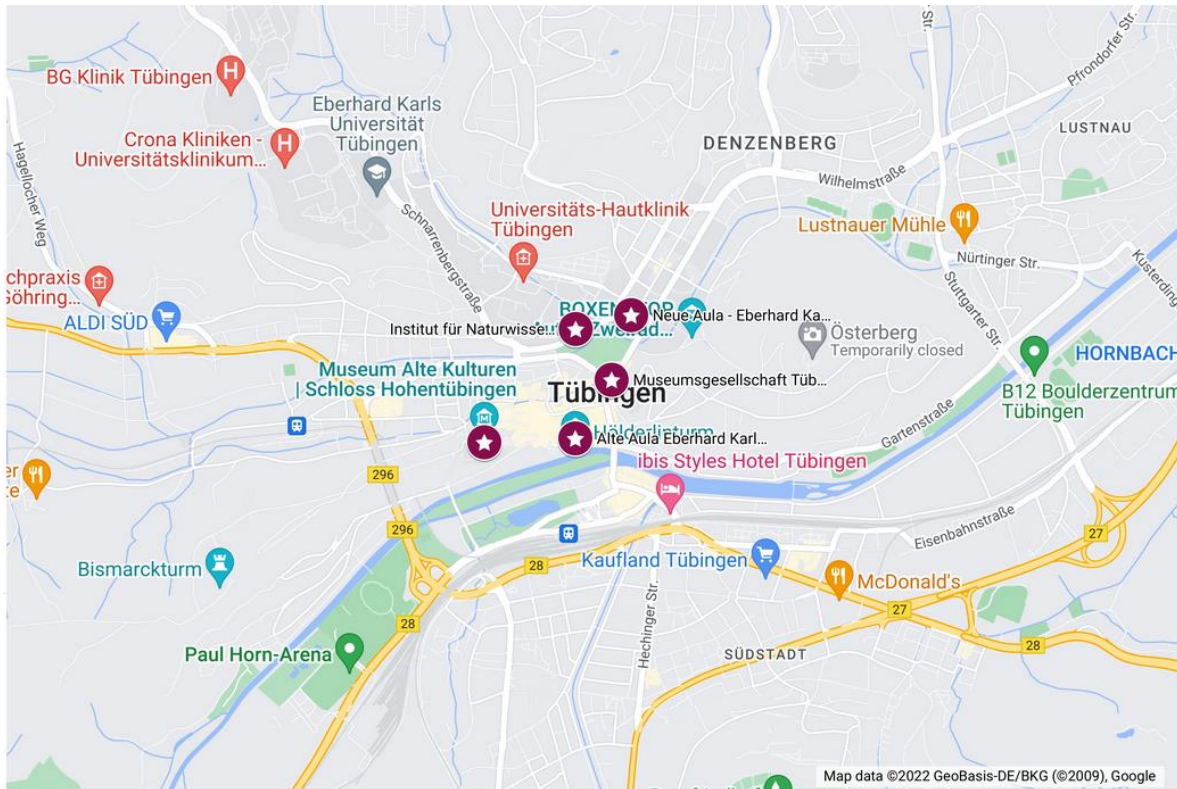
The closing dinner will take place at the medieval monastery Kloster Bebenhausen. Dinner will be served in the Sommerrefektorium, offering an impressive venue for a buffet dinner with sit down tables, for up to 100 people (€50 /person). Participants will have the possibility to visit the Kloster before dinner.



*Sommerrefektorium and Kloster, Bebenhausen*

## Location of Venues

To access the google map please click [here](#)



## Practical Workshop “Introduction to Using the ROAD Database”

**Wed. 21 Sept. 2022 from 10:00–14:00**

Archaeological Sciences and Human Evolution, Rümelinstr. 23, Tübingen

Andrew Kandel (archaeology), Zara Kanaeva (informatics), Christian Sommer (geography)

In conjunction with ESHE’s 12th annual meeting, The Role of Culture in Early Expansions of Humans (ROCEEH) will sponsor a half-day practical workshop on getting started with ROCEEH’s Out of Africa Database (ROAD).

ROAD stores data about archaeological, paleoanthropological, paleontological and paleobotanical localities in Africa and Eurasia dating between three million and 20,000 years. As a digital heritage resource, ROAD preserves our human past. It also serves as a tool to explore ideas and formulate hypotheses about human migration, which we can then test using advanced techniques such as modelling and machine learning.

Participants of this introductory workshop will learn about the basic logical structure and semantics of ROAD. We will cover aspects of data entry, formulating queries and visualizing results with the Map Module. We will discuss useful features of ROAD, such as its online help function, links to other large databases, map catalogues, and associated tools. Finally, we will address case studies to show how you can use this large store of data for advanced geographical analyses.

We welcome instructors, researchers and students from the social sciences, natural sciences, or geography. The language of instruction will be English. No fees to participate; bring your laptop; maximum of 30 participants; registration is required.

To register, please complete a User Agreement: [https://www.roceeh.uni-tuebingen.de/road\\_web/](https://www.roceeh.uni-tuebingen.de/road_web/) and send it to [a.kandel@uni-tuebingen.de](mailto:a.kandel@uni-tuebingen.de).

## Local and Travel Information

Travel to Tübingen:

**By Train:** As part of the ECO ESHE 2022 initiative, we encourage all attendees to consider environmentally friendly methods of travel, such as opting to take the train if possible. Tübingen is served by the Hauptbahnhof Tübingen rail station, which is well connected to the European Rail Network.

**By Air:** Tübingen can also be reached via Stuttgart (STR) airport and a connecting bus ride (Airport Sprinter 828/X82) that takes approx. 1 hour.

If your arrival or departure time falls outside the schedule of public transportation, please contact us and we can arrange group rides to and from Tübingen.

For participants who must come by air, we encourage you to consider flying non-stop to reduce fuel usage and/or to purchase carbon offsets. Carbon offsets can often be purchased directly from airlines or by supporting projects directly. For examples of where to learn more about carbon offsets, see the following websites. Please note ESHE is not affiliated with any of the following organizations.

- [Atmosfair](#)
- [My climate](#)
- [Gold Standard](#)

# Conference Sessions

Thursday, September 22

8:00-9:00		Meeting Registration
9:00-9:20		Official Meeting Opening
<b>Session 1 • Podium</b>		
9:20	<b>Vanessa Villalba-Mouco</b> - Genetic link between Aurignacian and Magdalenian in Ice Age western Europe	
9:40	<b>Gerhard Weber</b> - What the Venus from Willendorf tells us about the dispersal of Gravettian populations	
10:00	<b>Dorothee Drucker</b> - Mammoth, fish, and cannibalism: stable isotope insights into the diet of late Upper Palaeolithic hunter-gatherers in southwestern Germany	
10:20	<b>Noora Taipale</b> - Weapon choice and hunting strategies in the Gravettian of Abri Pataud	
10:40	<b>Andrew Sorensen</b> - Fire making in the Aurignacian: microwear evidence from Abri Pataud and Vogelherd Cave	
11:00-11:30		Coffee Break
<b>Session 2 • Pecha Kucha</b>		
11:30-11:55	<b>Lucia Leierer</b> - Combustion features at Langmahdhalde Shelter provide new insights into Magdalenian lifeways in SW Germany	
	<b>Leonardo Vallini</b> - Multiple expansions and local extinctions characterized <i>Homo sapiens</i> expansion into Eurasia	
	<b>Marco Vidal-Cordasco</b> - An ecological driver factor caused the spatiotemporal patterns of Neanderthal disappearance in Iberia	
	Questions	
11:55-12:20	<b>Shara Bailey</b> - New Neanderthal remains from Axlor Cave (Dima, Biscay, northern Iberian Peninsula)	
	<b>Alba Bossoms Mesa</b> - Resolving the relatedness of the Neandertals from the Troisième caverne of Goyet using ancient DNA	
	<b>Sandra Gómez-Soler</b> - Investigation of Neanderthal pyrotechnology through lipid biomarkers. An experimental case to understand molecular thermoalteration	
	Questions	
12:20-12:45	<b>Ana Abrunhosa</b> - Evidence of Neanderthal ochre production in Navalmaillo Rock Shelter (Pinilla del Valle, Madrid, Spain)	
	<b>Sebastian Fajardo</b> - Cognitive strategies in Neanderthal tar production	
	<b>Susan Lagle</b> - Evaluating reindeer carcass transport patterns by Neandertals at Jonzac Level 22 using a novel multilevel skeletal part representation model	
	Questions	
12:45-14:20		Lunch Break

Session 3 • Podium	
14:20	<b>Owen Alexander Higgins</b> - Biological profile and early life history of the Upper Palaeolithic infant of Grotta delle Mura (Puglia, Italy): integrating dental histology, aDNA, and time-resolved geochemical signals
14:40	<b>Grégory Abrams</b> - Investigating the co-occurrence of Neanderthals and modern humans in Belgium through direct radiocarbon dating of bone implements and Late Neanderthal remains
15:00	<b>Sophy Charlton</b> - Dual genetic ancestries of the Late Glacial Palaeolithic in Britain
15:20	<b>Tom Higham</b> - Exploring spatio-temporal variation in the disappearance of Neanderthals in the Italian Peninsula using high precision radiocarbon dating and Bayesian modelling
15:40	<b>Rupert Knight</b> - Anthracological recalibration: effects on Middle Palaeolithic environmental reconstruction and Neanderthal behavioural studies
16:00-16:30	Coffee Break
Session 4 • Podium	
16:30	<b>Virginie Sinet-Mathiot</b> - Investigating selective hunting behaviours during the Middle to the Upper Palaeolithic transition using ZooMS
16:50	<b>Dusan Boric</b> - New evidence for the Middle to Upper Palaeolithic transition interval in the Danube Gorges of the Balkans
17:10	<b>Clément Zanolli</b> - The Late Pleistocene human dental remains from Mandrin Cave, France
17:30	<b>Miguel Delgado</b> - Phenotypic signatures of hominin hybridization: new insights from admixed modern human dental morphology
17:50	<b>Katerina Harvati</b> - Hybridization in the Late Pleistocene: merging morphological and genetic data
18:15	Poster Session 1 (pg. 13- 15)

Friday, September 23	
Session 5 • Podium	
9:30	<b>Katerina Douka</b> - Early Denisovans - what we know and what we don't
9:50	<b>Radu Iovita</b> - Crumbs along the earliest Silk Road: new data from the Palaeolithic of Kazakhstan
10:10	<b>Sireen El Zaatari</b> - Reviving Paleolithic research in Lebanon
10:30	<b>Carolin Röding</b> - Mugharet el'Aliya: affinities of a juvenile enigmatic North African Aterian maxillary fragment
10:50	<b>Cosimo Posth</b> - The genomic ancestry of European hunter-gatherers
11:10-11:40	Coffee Break

Session 6 • Podium	
11:40	<b>Knut Bretzke</b> - An unexpected opportunity for early human settlement in Southeast Arabia 170 ka ago
12:00	<b>Yossi Zaidner</b> - Neshar Ramla site, late Middle Pleistocene <i>Homo</i> technological organization and mobility, and the question of modern and archaic <i>Homo</i> interactions in the Middle Paleolithic
12:20	<b>Reuven Yeshurun</b> - Neshar Ramla Unit III: An aurochs mass hunting site in the Levant?
12:40	<b>David Friesem</b> - Site formation processes and newly-identified Middle Palaeolithic guano-rich cave deposits: A revised stratigraphic examination of Tabun Cave Layer C
13:00-14:30	Lunch Break
Session 7 • Podium	
14:30	<b>Gregor Bader</b> - The oldest ochre mine in the world. New ages for the Lion Cavern in Eswatini and implications for human behavioral evolution during the Middle Stone Age in southern Africa
14:50	<b>Elizabeth Velliky</b> - New insights into ochre features and their associated behaviours from the Howieson's Poort layers at Klipdrift Shelter
15:10	<b>Palesa Madupe</b> - Preliminary palaeoproteomic insights into the Plio-Pleistocene australopithecines from South Africa
15:30	<b>Edgard Camarós</b> - Neoplastic diseases and human evolution: new insights into its evolutionary history through a palaeopathological assessment of a 1.6 Ma robust australopithecine from East Turkana, Kenya
15:50	<b>Ashleigh Wiseman</b> - Digital 3D soft tissue reconstruction of the <i>Australopithecus afarensis</i> pelvis and leg alongside predictions of muscular leverage
16:10-16:40	Coffee Break
Session 8 • Virtual Pecha Kucha	
16:40-17:05	<b>Li Li</b> - Did hominins control hammer strike angles while knapping?
	<b>Bárbara Rodríguez-Álvarez</b> - Schöningen: low density sites and human occupations. A technological and behavioral approach to the exploitation and use of the landscape
	Questions
17:05-17:30	<b>Tim Schuurman</b> - Topology, functional morphology, and the interpretation of brain form in human fossils
	<b>Sarah Freidline</b> - The Neanderthal-like Upper Facial Morphology of the Chinese late Middle Pleistocene fossil Maba 1
	Questions
17:30-17:55	<b>Qing Li</b> - The genetic architecture of modern human dental morphology
	<b>Kevin Kuykendall</b> - Dental maturity scores reveal subtle differences between the African great apes and shed new light on early hominin life histories
	<b>Laura Martínez</b> - Does buccal microtexture pattern suggest a seasonal ecology for Paranthropus?
	Questions
18:15	Poster Session 2 (pg. 15-17)

## Saturday, September 24

### Session 9 • Pecha Kucha

<b>9:15-9:40</b>	<b>Lisa Genochio</b> - The ontogeny of masticatory system mechanical performance and facial remodelling in modern humans and Neanderthals
	<b>Peiqi Zhang</b> - Mapping the spread of blade assemblages from the Altai to the Tibetan Plateau using ecological niche modeling
	<b>Tommaso Mori</b> - A new virtual reconstruction and geometric morphometric analysis of Kocabas hominin fossil from Turkey
	<b>Questions</b>
<b>9:40-10:05</b>	<b>Cédric Cordey</b> - Does the Energetics of Gestation and Growth (EGG) refute the obstetrical dilemma hypothesis?
	<b>Philipp Mitteroecker</b> - Does pelvic shape variation in females reflect stabilizing selection?
	<b>Danaé Guiserix</b> - Multi-isotopic ( $\delta^{44}/^{42}\text{Ca}$ , $\delta^{88}/^{86}\text{Sr}$ , $\delta^{66}/^{64}\text{Zn}$ ) analysis from single bone and enamel aliquot of Upper Pleistocene mammals from Camiac, France
	<b>Questions</b>
<b>10:05-10:30</b>	<b>María Coto-Sarmiento</b> - The impact of cooperation under climate constraints: an agent-based model perspective
	<b>Laura van Holstein</b> - The rule of the Red Queen: did interspecific competition regulate hominin speciation?
	<b>Hannes Rathmann</b> - Inferring human neutral genetic variation from craniodental phenotypes
	<b>Questions</b>
<b>10:30-11:00</b>	<b>Coffee Break</b>

### Session 10 • Podium

<b>11:00</b>	<b>Jordi Serangeli</b> - Update on the excavations and research at Schöningen
<b>11:20</b>	<b>Dušan Mihailović</b> - Lower to Middle Paleolithic transition in the Balkans - evidence from Velika and Mala Balanica Caves
<b>11:40</b>	<b>Toshiyuki Fujjoka</b> - Direct cosmogenic nuclide isochron burial dating of early Acheulian stone tools at the T69 Complex (FLK West, Olduvai Bed II, Tanzania)
<b>12:00</b>	<b>Will Archer</b> - Late Acheulean occupations of Montagu Cave and the pattern of Middle Pleistocene behavioral change in western Cape southern Africa
<b>12:20</b>	<b>Tomos Proffitt</b> - Stone tool using macaques shed light on the emergence of hominin technology
<b>12:40-14:15</b>	<b>Lunch Break</b>

### Session 11 • Pecha Kucha

<b>14:15-14:40</b>	<b>Jasmin Rees</b> - Supraorbital form in <i>Homo sapiens</i> : Exploring size as a function of facial angles, frontal sinus size and geography
	<b>Jaap Saers</b> - Trabecular bone ontogeny as an indicator of brain maturation and life history in human evolution
	<b>Thomas Baird</b> - Examining functional significances of masticatory changes during human evolution through multibody dynamics analysis
	<b>Questions</b>

14:40-15:05	<b>Manuel Will</b> - Rethinking the Middle to Later Stone Age transition in southern Africa - New data and perspectives from Eswatini
	<b>Zewdi Tsegai</b> - Locomotion in <i>Homo floresiensis</i> : Reconstructing foot use from the internal bone structure of the metatarsals of LB1
	<b>Alexandra Schuh</b> - Midfacial ontogeny in extant hominids: shared and unique aspects
	Questions
15:05-15:25	<b>Alfie Gleeson</b> – Improving classification accuracy in hominid subspecies using machine learning and high – density geometric morphometrics
	<b>Marie Vanhoof</b> - Ulnar styloid reduction and the possible link with triquetral shape and wrist mobility across different primate taxa
	Questions
15:25-16:00	Coffee Break
<b>Session 12 • Podium</b>	
16:00	<b>Axel Timmermann</b> - Early human habitats linked to past climate shifts
16:20	<b>Amanda Henry</b> - The HARVEST project: insights into roles of plant foods throughout human evolution.
16:40	<b>Leslea Hlusko</b> - So much more than teeth: how knowledge of the genetic architecture of the dentition improves and broadens our understanding of human evolution
17:00	<b>Philipp Gunz</b> - Scratching the surface: the genetic bases of brain globularity
17:20	<b>Jonathan Reeves</b> - Emerging technological landscapes in <i>Pan</i> and <i>Homo</i>
17:40	<b>Rhianna Drummond-Clarke</b> - Positional behaviour of chimpanzees living in the savanna-mosaic environment of Issa Valley, Tanzania: Insights to the origins of human bipedalism
18:00	<b>General Assembly</b>
19:30	<b>Closing Dinner</b>

Sunday, September 25

## Excursion

### Visit to the UNESCO World Heritage Site “Caves and Ice Age Art in the Swabian Jura”

Date: Sunday, 25 September 2022

Departure: 8:30 am

Estimated return: 6:00-7:00 pm

Max. participants: 100

Price per person: 40 €, includes transportation, warm lunch, beverages, snacks

Bring: light walking shoes and (just in case) rain gear

An hour's drive east of Tübingen lies the UNESCO World Heritage Site, “Caves and Ice Age Art in the Swabian Jura.” This excursion is planned as a day trip to visit some of the caves of the Ach Valley and the village of Blaubeuren. We plan to visit two caves, Hohle Fels and Geißenklösterle, with presentations from Prof. Nicholas Conard, Dr Sibylle Wolf, and several researchers from Tübingen to highlight some of the important findings from this key region. In addition, participants will visit the Prehistory Museum (URMU) in Blaubeuren to see original art works, musical instruments and much more, with an introduction by Dr. Stefanie Kölbl. Participants can also take a self-guided walking tour of Blaubeuren to see the magnificent Artesian spring called the Blautopf, a Medieval cloister, and the picturesque half-timbered architecture of a traditional southern German village



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Front view of the rock formation Bruckfels with the Geißenklösterle

Thursday, September 22

Poster Session 1

1	<b>Tamara Dogandzic</b> - Occupational intensity in the Paleolithic of the Balkan Peninsula
2	<b>Martin Novák</b> - Milovice IV (Southern Moravia, Czech Republic): genius loci for the Upper Paleolithic settlement and hunting
3	<b>Adrian Pablos Fernandez</b> - Linya. A new Late Glacial partial skeleton from Cova Gran de Santa Linya site (Lleida, Spain)
4	<b>Cristina Gameiro</b> - New elements on the Gravettian-to-Solutrean transition in westernmost Europe: Calvaria 2 (Porto de Mós, Portugal)
5	<b>Joan Daura</b> - New insights on the Upper Paleolithic site of Lagar Velho rockshelter (Lapedo Valley, Portugal)
6	<b>Shumon Hussain</b> - First evidence for corvid synanthropism in the Mid Upper Palaeolithic of East-Central Europe
7	<b>Heike Würschem</b> - A new look at the lithic technology of Trou de la Mère Clochette (Rochefort-sur-Nenon)
8	<b>Pauline Raymond</b> - Taxonomic identifications of morphologically unidentifiable bones from an Early Aurignacian layer at Le Piage (Lot, France) using ZooMS: a zooarchaeological perspective.
9	<b>Armando Falcucci</b> - Linking blades: a systematic refitting analysis of blade fragments from the Protoaurignacian sequence of Fumane Cave
10	<b>Benjamin Schürch</b> - Reassessing the cultural stratigraphy of Vogelherd Cave and the settlement history of the Lone Valley of SW Germany
11	<b>Naihui Wang</b> - Multi-analytical approaches reveal new human fossils and occupation history of Vogelherd Cave
12	<b>Madison McCartin</b> - Order in the Forecourt: new zooarchaeological investigations of reindeer exploitation at Petersfels (Hegau Jura, Southwestern-Germany)
13	<b>Keiko Kitagawa</b> - Aurignacian split-based points from the Swabian Jura in a pan-European context
14	<b>Luca Elias Michaelis</b> - Exploring taphonomic and selection pressures at Geißenklösterle Cave (Swabian Jura, Southwestern Germany) using ZooMS
15	<b>Svenja Schray</b> - The use of space at Geißenklösterle and its implications for Aurignacian settlement dynamics in the Ach Valley of SW Germany
16	<b>Diana Marcuzzan</b> - Geoarchaeological insights on human activities at the Paleolithic site of Hohle Fels (Swabian Jura, Germany)
17	<b>Sibylle Wolf</b> - More than art and music: mammoth ivory tools from the Swabian Aurignacian
18	<b>Aristeidis Varis</b> - The effect of formation processes on Palaeolithic settlement patterns: insights from Kazakhstan and the Swabian Jura, Germany
19	<b>Emily Coco</b> - Spatially distinct recycling behaviors among surface deposits at a Paleolithic site complex, Semizbugu, Kazakhstan
20	<b>Abay Namen</b> - Palaeolithic raw material procurement strategies in the northern Tian Shan piedmont, Kazakhstan
21	<b>Firas Jabbour</b> - An assessment of the cultural connections between Aghitu-3 Cave in Armenia and the surrounding regions
22	<b>Wei Chu</b> - What does a hybridized technocomplex look like? The Middle to Upper Paleolithic transition in Romania
23	<b>Igor Djakovic</b> - The Neandertal-associated Châtelperronian industry is more 'Upper Palaeolithic' than the <i>Homo sapiens</i> -associated Initial Upper Palaeolithic
24	<b>Leonardo Carmignani</b> - Late Middle Paleolithic stone tool technology at the Oscurusciuto rock-shelter and its implications for the Middle to Upper Palaeolithic transition in the south of the Italian peninsula
25	<b>Susanne C. Muenzel</b> - Music – non-material cultural heritage. Research on reconstructions of the 40,000 years old Palaeolithic Wind Instruments from the Swabian Jura (SW-Germany)
26	<b>Lucía Villaescusa Fernández</b> - New contributions from the spatial statistical analysis of archaeological

	remains to the formation history of Level 3 at the Neanderthal site Cueva Des-Cubierta Cave in Pinilla del Valle, Spain
27	<b>Annette Oertle</b> - Re-examining faunal patterns at Grotta di Castelcivita through collagen peptide mass fingerprinting (ZooMS)
28	<b>Israel Jesús Jiménez Carmona</b> - A palaeoecological study of the Pleistocene hyena population from Cueva del Camino site (Pinilla del Valle, Spain)
29	<b>Camille Daujeard</b> - The RINO project: 'The use of Rhinoceros teeth for Industry among Neandertals: an Original behaviour?'
30	<b>Michael Bolus</b> - Similar lithic technology and behavior of Neanderthals despite the different climatic conditions of MIS 6 and MIS 5e
31	<b>Maya Oron</b> - Nahal Dimona 24: A new perspective on the role of centripetal Levallois knapping mode in the Middle Paleolithic of the Levant
32	<b>Yamandu Hilbert</b> - Using technological, taphonomical and spatial analysis to understand multi-occupational Palaeolithic surface sites: the case of Zahrani River Mouth lithic scatter in Southern Lebanon
33	<b>Andrea Picin</b> - Neanderthals mobility and toolkit in Micoquian open-air sites of Piekary III and Zwolen (Poland)
34	<b>Paul Kozowyk</b> - The use of fire is a synchronization event in Palaeolithic tar production techniques
35	<b>Karen Ruebens</b> - A multi-faceted analysis of the morphologically unidentifiable bone fraction from the Middle Palaeolithic open-air site of Salzgitter-Lebenstedt (Germany).
36	<b>Asier Gomez Olivencia</b> - The Sima I of the Polvorín (Karrantza, Biscay): a new site with Neanderthal lineage fossil remains in the Eastern Cantabrian Region (Northern Iberian Peninsula)
37	<b>Juliette Henrion</b> - The Grotte de l'Hyène (Arcy-sur-Cure, North-East of France) Neanderthal maxilla III: new study of its dental macrowear, oral paleo-pathologies and behaviors
38	<b>Almudena Estalrich</b> - Neanderthal dental caries: New evidence from El Sidrón site (Spain)
39	<b>María Hernaiz García</b> - Dental macrowear analysis of the Neanderthal mandible Bourgeois-Delaunay 1 (Charente, Southwestern France)
40	<b>Sélim Natahi</b> - Covariation of endocranial shape and cranial vault thickness in present-day humans and Neandertals
41	<b>Ana Pantoja Pérez</b> - Tabūn C1: First taphonomic approach from a virtual perspective
42	<b>Eduardo Mayoral</b> - Dating the hominin footprints from Matalascañas (Spain): taxonomic and palaeoanthropological implications
43	<b>Emilia Hunt</b> - The environmental niche of <i>Homo neanderthalensis</i> : its significance and changes through time
44	<b>Siah Beattie</b> - Avian fauna and the lifeways of Middle Palaeolithic Neanderthals at Hohle Fels Cave, Swabian Jura, Germany
45	<b>Chris Baumann</b> - Foxes as a proxy for human activities in the past: isotopic evidence from Southwest Germany
46	<b>Alessandro Riga</b> - Morphometrics and functional morphology of the fossil second metatarsal from Sedia del Diavolo (MIS 7, Latium, Italy)
47	<b>Anne-Elisabeth Lebatard</b> - How old is the Montmaurin-La Niche hominin mandible in the Middle Pleistocene? A state of the question
48	<b>Flavia Venditti</b> - How microartifacts provide the key for interpreting the Middle Pleistocene lifeways at Schöningen
49	<b>Arianna Weingarten</b> - Recovering 300,000-year-old faunal DNA from the Middle Pleistocene open-air site of Schöningen
50	<b>Sara Díaz-Pérez</b> - The Los Pizorros archaeological site, a new Lower-Middle Paleolithic site in the Upper Guadiana Basin (Southern Iberian Plateau, Ciudad Real, Villanueva de Los Infantes)
51	<b>Iván Rey-Rodríguez</b> - Palaeoecological inferences using rodent's assemblages of the Middle to Late Pleistocene occupations in the Southern Caucasus
52	<b>Carlos Ferreira</b> - The relevance of blank predetermination in the Acheulean technocomplex of the Iberian Atlantic Margin (between Minho and Tagus rivers)
53	<b>Cyrielle Mathias</b> - Levallois technology half a million years ago? A view from late Acheulian Jaljulia, Israel
54	<b>Sol Sanchez-Dehesa Galán</b> - Biface diversity and variability half a million years ago at late Acheulian Jaljulia,

	Israel
55	<b>Juliette Guibert-Cardin</b> - From the function to the structure of tools: going backwards in the lithic chaîne opératoire to investigate the diversity of lithic assemblages of the European Lower Palaeolithic
56	<b>Geanina Adriana Butiseaca</b> - How cold was it at the Marathousa 1 Lower Paleolithic site (Megalopolis basin, Greece) during the hominin presence?
57	<b>Dalila De Caro</b> - Lithic assemblages from Palaeolithic survey research in the Megalopolis Basin, Greece
58	<b>Effrosyni Roditi</b> - The paleoecology of the straight-tusked elephant ( <i>Palaeoloxodon antiquus</i> ) from the Middle Pleistocene locality Marathousa 1 (Greece) inferred from carbon and oxygen stable isotope analysis
59	<b>Mariana Sontag- González</b> - Luminescence dating of the Chibanian (Middle Pleistocene): fact or fiction?
60	<b>Andrew W. Kandel</b> - The ROAD Database: open access to information on human evolution
<b>Friday, September 23</b>	
<b>Poster Session 2</b>	
61	<b>Amelie Vialet</b> - Saint-Prest (northern France): further evidence of human presence in north-western Europe around 1 My?
62	<b>Diego Lombao</b> - Between old and new behaviours: core technology in the earliest European Acheulean from El Barranc de la Boella (La Canonja, Spain)
63	<b>Sara García Morato</b> - Lagomorphs in the Acheulean menu: Taphonomic analysis of rabbit remains from the Valdocarros-II site (Jarama valley, Madrid, Spain)
64	<b>Eduardo Mendez-Quintas</b> - A sequence of six pre-1.2 million-years Acheulean levels at Simbiro (Melka Kunture, Upper Awash, Ethiopia)
65	<b>Héctor Marín Manrique</b> - “Snakes and Ladders” in Palaeoanthropology: From cognitive surprise to skillfulness a million years ago
66	<b>Susanne Krüger</b> - The potential resource space for Hominids in Sangiran
67	<b>Sarah Meinekat</b> - Experimental combustion of fuels and Terminal Pleistocene fire evidence from Cuncaicha rock shelter (4480 masl)
68	<b>Mark Collard</b> - CAVEWEST: A Database for Cave Research and Management in the Western Cordillera of North America
69	<b>Dafne Koutamanis</b> - Dietary reconstruction of Pleistocene Australian herbivore megafauna through calcium and strontium isotopes in dental enamel
70	<b>Alessandro Aleo</b> - With or without glue. Adhesive remains from Steenbokfontein Cave, South Africa
71	<b>Michaela Ecker</b> - A Holocene n-alkane stable isotope sequence from Wonderwerk Cave, South Africa, and its implications for the Later Stone Age record
72	<b>Daniela de Matos</b> - Geoarchaeology of the Leba Cave Deposits, Southwestern Angola
73	<b>Alice Leplongeon</b> - Stone Age occurrences in the Wadi Abu Subeira (Aswan region, Egypt) – preliminary results
74	<b>Inèz Faul</b> - The geoarchaeology of the southern Kalahari: A case study from the Kgalagadi district
75	<b>Youssef Djellal</b> - Early <i>Homo sapiens</i> complex behavior in North Africa: function of Middle Stone Age lithics in Morocco
76	<b>Viola Schmid</b> - Small lithics make a big difference - new results on the MSA/LSA transition from Umhlatuzana rockshelter
77	<b>Sara Watson</b> - Technological production in the Howiesons Poort: preliminary results from Nelson Bay Cave
78	<b>Maïlys Richard</b> - Contextualising Middle Stone Age occupation at Njarasa cave, Tanzania, from the 1930s Kohl-Larsen collection
79	<b>Regine Klein</b> - Bone as a resource in the South African Middle Stone Age (MSA): The development of operational networks and ‘primary-poly-problems’
80	<b>William Snyder</b> - An experimental proof-of-principle for a minimal culture model of the Oldowan
81	<b>Mykolas Imbrasas</b> - Morphometric analysis of the mandibular and maxillary molar sample from Lomekwi, Kenya

82	<b>Samar Syeda</b> - Reconstructing hand use in <i>Australopithecus sediba</i> and <i>Homo naledi</i> : mapping variation in cortical thickness across the proximal and intermediate phalanges
83	<b>Andrea Lukova</b> - Trabecular distribution of distal femur in extant apes and <i>Australopithecus sediba</i>
84	<b>Thomas Davies</b> - Enamel-dentine junction morphology in <i>Australopithecus sediba</i>
85	<b>Megan Malherbe</b> - The time has come: revisiting the South African Plio-Pleistocene faunal record
86	<b>Amélie Beaudet</b> - Interpreting morphological variation within the <i>Australopithecus</i> assemblage from Sterkfontein Member 4 (South Africa): where do we stand?
87	<b>Zachary Cofran</b> - An overlooked <i>Australopithecus</i> brain endocast from Makapansgat, South Africa
88	<b>Lucia Nadal</b> - New additions to the Koobi Fora <i>Paranthropus boisei</i> mandible collection
89	<b>Annalisa Pietrobelli</b> - Assessing proximal fibular shape as an indicator of bipedalism in extant hominoids
90	<b>Valerie Vermeulen</b> - A CT-based comparison of 3D scapular morphology in hominids
91	<b>Catherine Bone</b> - Investigating methods of soft tissue nasal approximation of extinct hominins
92	<b>Jérémy Dureau</b> - From footprint morphometrics to the stature of fossils hominins: experimental regressions and uncertainties
93	<b>Chris Hopton</b> - Hominins making a splash
94	<b>Sarah Pederzani</b> - Climate under the microscope – retrieving n-alkane biomarkers from micromorphology blocks
95	<b>Ioannis Patramanis</b> - PaleoProPhyler: An open-source reproducible pipeline for paleoproteomic analyses
96	<b>Geoff Smith</b> - BACBONE: An interdisciplinary approach to micro-scale taphonomy and BACterial bioerosion on BONE.
97	<b>Juliet Brophy</b> - Reference database of teeth from the Family Bovidae: a supplemental method for identifying the bovids used in reconstructing past hominin environments
98	<b>Costantino Buzi</b> - Icx and Icv: two new digital tools for the automatic extraction and calculation of intracranial volumes
99	<b>Carlotta Zeppilli</b> - An integrated approach to the study of long bone morphology and cortical thickness distribution
100	<b>Zandra Fagernäs</b> - Advancing phyloproteomic analysis of Pleistocene hominins
101	<b>Marlen Fröhlich</b> - Plasticity in orang-utan gestural communication and the evolution of productivity in human language
102	<b>Frederick Coolidge</b> - The role of the retrosplenial cortex in the emotional regulation of diplomatic speech
103	<b>Miriam Haidle</b> - Room for communication: affordances for language evolution in the ESA
104	<b>María Asunción Cabestrero-Rincón</b> - The role of the cerebro-cerebellar network in creativity, prosocial behavior, and expert stone knapping
105	<b>Karenleigh Overmann</b> - Symbolism: a cognitive perspective
106	<b>Nohemi Sala</b> - DEATHREVOL: searching for the roots of the culture of death
107	<b>Antonietta del Bove</b> - Exploring the impact of sexual dimorphism on cranial asymmetry in a worldwide modern human collection
108	<b>Paul D. Bons</b> - Aggression and identity: from coping with environmental changes to modern human wars
109	<b>Mikel Arlegi</b> - Evolutionary selection and morphological integration in the hand of modern humans
110	<b>Christopher Dunmore</b> - Cortical thickness and Cross-sectional geometry in Hominid Metacarpals
111	<b>Alessandro Urciuoli</b> - The human cochlea: a test case for endocranial morphology comparisons on a small scale
112	<b>Nicole Grunstra</b> - The human pubic symphysis: constraint or adaptation?
113	<b>Anna Maria Kubicka</b> - Plasticity of the pelvis shape in <i>Homo sapiens</i> and non-human primates
114	<b>Alfredo Suesta Guillen</b> - A 3D morphometric approach of the skull versus endocast integration in <i>Pan troglodytes</i> , <i>Gorilla gorilla</i> and <i>Homo sapiens</i>
115	<b>Jülide Kubat</b> - Combining geometric morphometrics and paleoproteomics to enlighten the paleodiversity of <i>Pongo</i>

116	<b>Sandra Martelli</b> - The postnatal ontogeny of the modern human and chimpanzee thoracolumbar intervertebral discs and its importance for sagittal curve development
117	<b>Pierre Mercuriali</b> - ROCA - An ontology to capture and study primate tool behaviour
118	<b>Jana Kunze</b> - Enthesal patterns elucidate differences in hand use between humans and great apes
119	<b>Antonio Profico</b> - Can asymmetry in mechanical loading be accurately assessed from the analysis of skeletal material?
120	<b>Melania Ioannidou</b> - Preliminary 3D mandibular dental analysis of <i>Ouranopithecus macedoniensis</i>