CONFERENCE PROGRAMME

CONEXP

THE 7th INTERNATIONAL CONGRESS OF EXPERIMENTAL ARCHAEOLOGY

2025

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The 7th International Congress of Experimental Archaeology is structured around **three major thematic axes**. Each **axis** will be introduced by a keynote speaker to structure the programme into different sessions. The inaugural conference, open to the general public, is planned for the evening before the colloquium, on **October 21st** and will be delivered by Dr Nicolas Teyssandier (CNRS, University of Toulouse).

Saturday, October 25th will be dedicated to experimental workshops organised at the Préhistomuseum (Flémalle, Belgium) with the general public in attendance. Scientific poster presentations and workshops will serve both as demonstrations and opportunities for discussion around expertise and technical skills.

The three thematic axes:

Axis 1: Practices and Know-how

Exploring past techniques and the expertise used in experimental programs to understand the production and use of archaeological materials.

AXIS 2: Material Properties and Transformation

Focusing on the study of how materials change through different processes, examining their intrinsic properties and their transformations.

AXIS 3: Public Outreach

Bridging the gap between research and society. Focusing on sharing archaeological knowledge with the public and discovering innovative educational applications of experimental archaeology.

TUESDAY, OCTOBER 21, 2025

Salle Académique, Université de Liège, 18:00

Inaugural conference for the general public

Time	Session/Activity
18:00-18:15	Opening Speech by Michel Moutschen, Vice-Rector for Research of the University of Liège
18:15-18:20	Introduction by Veerle Rots, Director of TraceoLab
18:20-19:30	**Seul au monde: comment Sapiens est devenu le dernier humain?** **Dr. Nicolas Teyssandier** (Research Director CNRS, UMR TRACES, Univ. of Toulouse-Jean-Jaurès)
19:30-21:00	Drink

With Homo sapiens, humanity for the first time occupied all continents and habitable environments. Gradually, Sapiens left its African cradle and spread across Eurasia as far as Oceania. At different speeds, the human species that had preceded it in these vast regions disappeared, leaving it alone in the world.

Understanding how these new inhabitants took possession of our planet, populating even its most remote corners and adapting over time to such varied landscapes, climates, and ecosystems; tracing the path of the first groups of Homo sapiens, united by a common biological identity yet developing cultural, technical, and artistic achievements that were everywhere different — these are the questions this lecture seeks to explore, offering a better understanding of how Sapiens conquered the globe.

WEDNESDAY, OCTOBER 22, 2025

Centre de ressources et de créativité de la Province de Liège (B3)

AXIS 1: Tool Production and Use

TIme	Session/Activity	Presenter
08:00-09:00	**Inscription**	
09:00-09:30	**Discours d'ouverture**	
09:30-10:00	**Une première session de tests sur le débitage des « grandes » lames magdaléniennes du type W11 à Etiolles**	**Biard, M.**
10:00-10:15	**Questions**	

SESSION 1 (10:15-10:50)

Time	Presentation	Authors
10:15-10:30	Towards a better understanding of the use and function of Solutrean laurel leaf points: new experimental data from the FoliaS project.	Bachellerie, J. et al.
10:30-10:45	It's yours or you've got it? Inter-observer variability in type-technology analysis.	Vaissié, E. & Vincent-Pennec, A.
10:45-10:50	**Q&A Session**	

| **10:50 -11:15** | **Coffee break** | |

SESSION 2 (11:15-12:30)

Time	Presentation	Authors
11:15-11:30	Reading between the stones: an experiment to test whether prehistoric knapping techniques may have been transmitted by reverse-engineering.	Niochet, V. et al.
11:30-11:45	Multi-scale tribosystem and wear mechanism of bipolar flaking: integrating 3D digital, confocal, and scanning electron microscopy.	Yeşilova, G. C. & Ollé, A.
11:45-11:50	**Q&A Session**	
11:50-12:05	Testing lithic raw materials knapped in the Middle Stone Age at Rose Cottage Cave (Free State, South Africa): first results of an experimental project.	Taipale, N. et al.

Time	Presentation	Authors
12:05-12:20	An experimental approach to the use-wear analysis of MSA flint in North Africa.	Djellal, Y. & Marreiros, J.
12:20-12:25	**Q&A Session**	

| 12:25-14:00 | Lunch break | |

AXIS 2: Material Properties and Transformation

Time	Session/Activity	Presenter
14:00-14:30	**When predators met Neanderthals: wild carnivore Neotaphonomy and the duration of Middle Palaeolithic occupations**	**Rosell Ardèvol, J.**
14:30-14:45	**Q&A Session**	

SESSION 3 (14:45-15:55)

Time	Presentation	Authors
14:45-15:00	"Frozen In motion": a controlled in vitro experiment of freeze-thaw impact on lithic artifact displacement and use wear patterns.	Leventi, M. et al.
15:00-15:15	Understanding the depositional dynamics of an open-air lithic assemblage from the recent Middle Palaeolithic (Route de Brial, Montbartier, France): new insight based on the experimental approach.	De Cara, C. et al.
15:15-15:20	**Q&A Session**	
15:20-15:35	How is a pit filled? Experimental and geoarchaeological approaches to studying the dynamics and natural infilling processes involved of filling archaeological pits.	Cizeron, M. et al.
15:35-15:50	Temple of the Sun: an archaeoastronomical experiment at the protohistoric site of L'Assut (Tivenys, Baix Ebre, Tarragona).	Lorenzo-Seva, U. et al.
15:50-15:55	**Q&A Session**	

| 15:55-16:30 | Coffee break | |

AXIS 1: Tool Production and Use

SESSION 4 (16:30-17:10)

Time	Presentation	Authors
16:30-16:45	Middle Palaeolithic bone tools variability: introducing a vast experimental programme.	Vignes, M.-P. et al.
16:45-17:00	Watch out for the Hippo! Bones hammer in shaping bifacial tools.	Clément, S. et al.
17:00-17:05	**Q&A Session**	
17:05-17:20	Bone tools in Bronze Age mining: experiments at Great Orme, UK.	Zagorodnia, O.

Time	Presentation	Authors
17:20-17:35	Unveiling the craft: manufacturing and study of the bone industry operational chain.	Subires de Mérida, M. & David, É.
17:35-17:40	**Q&A Session**	

THURSDAY, OCTOBER 23, 2025

Centre de ressources et de créativité de la Province de Liège (B3)

Time	Session/Activity
08:30-09:00	**Welcoming**

AXIS 3: Public outreach

Time	Session/Activity	Presenter
09:00-09:30	**Paleometallurgical experimentation and heritage valorisation: looking back on 30 years of experience(s) at Melle (Deux-Sèvres, France)**	**Tereygeol, F.**
09:30-09:45	**Questions**	

SESSION 1 (09:45-10:55)

Time	Presentation	Authors
09:45-10:00	The Römische Glashütte project – a tiny reconstructed Roman glass workshop between Hellenistic core-formed glass, Roman ribbed bowls and Roman glass windows.	Wiesenberg, F.
10:00-10:15	Experimental archaeology seminars at the Archaeology Museum of Catalonia (MAC).	López-Bultó, O. & Palomo, A.
10:15-10:20	**Q&A Session**	
10:20-10:35	Watch and learn? Teasing out methodologies to maximise the reciprocal value of archaeology and living history in research and interpretation.	Malliaros, I. et al.
10:35-10:50	From Experimentation to the Sapiens Experience An experiential approach serving the mediation of archaeology	Collin, F. & Wéra, M.
10:50-10:55	**Q&A Session**	

| **10:55-11:15** | **Coffee break** | |

AXIS 1: Tool Production and Use

SESSION 2 (11:15-12:30)

Time	Presentation	Authors
11:15-11:30	Experimental disarticulation of ungulate basipods and archaeological implications for the Magdalenian.	Birouste, C. & Costamagno, S.
11:30-11:45	Rabbit exploitation. An experimental protocol and its archaeological application to Iberian Magdalenian diet.	Real, C. et al.
11:45-11:50	**Q&A Session**	
11:50-12:05	Sky, sea, and earth: traceological differences in the processing of marine mammals, terrestrial mammals, and birds in Southern Patagonia.	Soto González, V. et al.
12:05-12:20	Multiproxy experimentation of animal cutting leading to cooking and meat cutting.	Gardeisen, A. et al.
12:20-12:25	**Q&A Session**	

| **12:25 -14:00** | **Lunch break + Poster** | |

AXIS 1: Tool Production and Use

Time	Session/Activity	Presenter
14:00-14:30	**Ephemeral treasures: why we need experiments on perishable materials**	**Harris, S**
14:30-14:45	**Questions**	

SESSION 3 (14:45-16:25)

Time	Presentation	Authors
14:45-15:00	The forgotten violet. Examining the potential of Sambucus ebulus as a dyeing plant in Early Medieval.	Stasinska, K.
15:00-15:15	Schrödinger's fibers: define the presence and recognize fibers with adornment and needles.	Hoareau, L. & Cheval, C.
15:15-15:20	**Q&A Session**	

| **15:20-15:35** | **Coffee break** | |

Time	Presentation	Authors
15:35-15:50	Investigating the leather technology of the amazigh population of Gran Canaria: ethnoarchaeology and experimentation.	Medina-Moreno, E. et al.
15:50-16:05	An experimental approach to the production and effectiveness of neolithic bowstrings.	Otero Couto, J. L. et al.

Time	Presentation	Authors
16:05-16:20	Tracing social threads: an interdisciplinary experimental approach to personal ornaments.	Pérez-García de los Salmones, D. et al.
16:20-16:25	**Q&A Session**	

| **17:00** | **Cultural activity** | |

FRIDAY, OCTOBER 24, 2025

Centre de ressources et de créativité de la Province de Liège (B3)

Time	Session/Activity
08:30-09:00	**Welcoming**

AXIS 1: Tool production and use

Time	Session/Activity	Presenter
09:00-09:30	**A Sensory Experimental Archaeology**	**Little, A.**
09:30-09:45	**Questions**	

SESSION 1 (09:45-10:40)

Time	Presentation	Authors
09:45-10:00	Study and experimentation of ethnological throwing sticks aiming to shed light on archaeological finds.	Bordes, L.
10:00-10:15	Towards an understanding of the use of glass artifacts by the maritime hunter-gatherers of Southern Patagonia.	Riz Garay, N. & Huidobro, C.
10:15-10:20	**Q&A Session**	
10:20-10:35	The mystery of late flint in Djerba: protohistoric artifacts at the dawn of history (1st millennium – 3rd century BCE).	Khedaier, R. et al.
10:35-10:40	**Q&A Session**	

| **10:40-11:00** | **Coffee break** | |

AXIS 1: Tool Production and Use

SESSION 2 (11:00-12:30)

Time	Presentation	Authors
11:00-11:15	Towards the identification of a new category of retouching tools: pebble micro-retouchers from the Mousterian site of Champ-Grand.	Burcet, T. et al.

Time	Presentation	Authors
11:15-11:30	Analysis of techniques for retouching lithic tools: the case of geometric microliths. Recognition of retouching techniques based on experimental evidence for the techno-functional and experimental study of lithic assemblages through microscopic and mesoscopic characterization.	Barba Pérez, M. et al.
11:30-11:35	**Q&A Session**	
11:35-11:50	Technical optimization of flint hammerstones at El Esparragal open air site (Madrid Basin, Spain). An experimental approach for an integral study of percussive tools during the Middle Paleolithic.	García Natale, M. J. et al.
11:50-12:05	The manufacture and use of ground stone axes in Akwanga, Nigeria: an experimental approach and the application of microscopic methods from West Africa.	Ade, O.
12:05-12:10	**Q&A Session**	
12:10-12:25	From Bone to Tool: Reconstructing Neanderthal Retouching Practices at Payre through Experimental Archaeology	Alonso-García, P. et al.
12:25-12:30	**Q&A Session**	

12:30-13:30	**Lunch break**	

AXIS 3: Public outreach

Time	Session/Activity	Presenter
13:30-14:00	**Roman wall painting through experimentation: a review of ten years of research**	**Mulliez M.**
14:00-14:15	**Questions**	

SESSION 3 (14:15-15:30)

Time	Presentation	Authors
14:15-14:30	The Isuntza cave (Lekeitio, Spain): a unique natural laboratory for experimental study of prehistoric cave art.	Spaey, O. et al.
14:30-14:45	Thermal treatment in Paleolithic portable rock art.	Carnicero, M. et al.
14:45-14:50	**Q&A Session**	

AXIS 1: Tool Production and Use

Time	Presentation	Authors
14:50-15:05	Refining the cognitive demands for Acheulean handaxe productions using Petri net process modelling.	Kuijt, J. et al.
15:05-15:20	The dichotomy of human decision-making: an experimental assessment of stone tool efficiency.	Nora, D. et al.

Time	Presentation	Authors
15:25-15:30	**Q&A Session**	

| **15:30-15:45** | **Coffee break** | |

SESSION 4 (15:45-17:10)

Time	Presentation	Authors
15:45-16:05	Simulating Feedback-Driven Cognition: An Experimental Agent-Based Framework for Decision-Making Under Constraint **(+ Q&A)**	Mitra, D. & Singh, P.

AXIS 2: Material Properties and Transformation

Time	Presentation	Authors
16:05-16:20	Thermal alteration of antler.	Gallo, G. & Petillon, J.-M.
16:20-16:35	Experiments with an innovative process for creating arsenic alloys using archaeological and analytical data (data 2022-2024).	Verly, G. et al.
16:35-16:40	**Q&A Session**	
16:40-16:55	Degradation preserved as spectral shifts: FTIR analysis of experimentally degraded adhesives.	Lien, L. et al.
16:55-17:10	Electronic version of prehistoric torches applied to cave archaeology.	Van der Meirsch, M. & Van den Broeck, E.
17:10-17:15	**Q&A Session**	

SATURDAY, OCTOBER 25, 2025

Préhistomuseum, Flémalle, 10:00 - 17:00

Experimental demonstrations

Title	Presenters
A study in scarlet: evidence of red ochre use and production at the Early Mesolithic site of Mount Sandel.	Green, E.
Presentation and demonstration of a panel of ethnological and archaeological throwing sticks replicas, crafting tools and techniques.	Bordes, L.
Electronic version of prehistoric torches applied to cave archaeology.	Van der Meirsch, M. & Van den Broeck, E.
Split and go! Experimental archaeology in constructing a Michelsberg palisade.	Casseyas, C.
Sharp lessons and dulled edges: when butcher apprentices discover prehistoric tool use.	Escarguel, S. et al.
Side stories: the experimental hafting of lateral lithic insets in composite barbed weapons.	Tydgadt, L. et al.

Historical Martial Arts: Modern Sport and Historical Research through Experimental Reconstruction of Gesture	Francois L. et al.
Gladia Armatura: Gladiatorial Practice and Equipment	Beyaert G. et al.
Knapping workshop	Coppe J. et al.
Firing Trial in the Replica of Kiln 'Structure 2.40' at the Linearbandkeramik (LBK) Site of Alleur ('Domaine militaire')	François T.
Ballistics of projectiles, an essential experimental factor for realistic results.	Lepers C.
Lithic blades, bark and bindings: Crafting Birch-Bark Containers.	Cheval C. et al.
Exploring birch tar production and adhesiveness: A comparative experimental approach	Tomasso S. et al.
Experimental Cremation - from pyre building to bone recovery	Stemataki et al.

Poster Presentations: lunch break

THURSDAY, OCTOBRE 23, 2025

Title	Authors
Bone sword hilts from the 2nd Iron Age in the eastern Iberian Peninsula? An experimental approach.	Blasco Martín, M. et al.
Quantifying use-wear on quartz: combining experimental archaeology and digital striation analysis.	Lundin, J. et al.
Freehand, bipolar, and the space in between: experimental and multivariate insights from Marathousa 1.	De Caro, D. et al.
Traces of the Solutrean of the Iberian Atlantic coast: experimental approach to use-wear study on stone tools.	Peça, P. et al.
From novice to expert: variability in stone knapping skills through technological and kinematic analyses.	Cattabriga, G. et al.
Artificial freeze-thaw cycles can produce diagnostic surface modifications on bones.	Goffette, Q. et al.
Experimental evaluation of uncertain origin striae from Barranc de la Boella (Tarragona, Spain): methodological limitations of geometric morphometrics.	Rodríguez de la Fuente, D. et al.
Adatara-XP: an online database dedicated to experimentation in traceology.	Gosselin, R.
Managing complexity: a digital management system for experimental archaeology (DMSEA-Workflow tool).	Rabbani, G. et al.
Tracking the manufacture of spheroid morphotypes by refitting experimental knapping sets.	Bargalló, A. et al.

Dr. Nicolas Teyssandier

CNRS & TRACES Laboratory,
Université Toulouse Jean Jaurès,
France

Human origins, Neanderthal extinction and the emergence of modern behaviour

Miguel Biard

INRAP & UMR TEMPS
France

Experimental lithic technology and Upper Palaeolithic knapping techniques

Dr. Susanna Harris

University of Glasgow,
United Kingdom

Textile production and weaving techniques

Dr. Aimée Little

University of York,
United Kingdom

Tool-making and prehistoric technology replication

Dr. Maud Mulliez

UMR 7041 ArScAn &
UMS 3657 ArchEovision
France

Polychromy reconst-ruction and ancient painting techniques

Dr. Jordi Rosell Ardèvol

IPHES & University of Tarragona
Spain

Taphonomy and bone modification studies

Dr. Florian Téreygeol

CNRS & IRAMAT
University of Paris-Saclay
France

Metallurgy and historical smelting techniques

Dr. Nicolas Teyssandier

Research Director, CNRS & TRACES Laboratory, Université Toulouse Jean Jaurès, France

Dr. Nicolas Teyssandier is a research director (Directeur de recherche HDR) at the Centre National de la Recherche Scientifique (CNRS) and deputy director of the TRACES laboratory (Travaux et Recherches Archéologiques sur les Cultures, les Espaces et les Sociétés) at Université Toulouse Jean Jaurès. Dr. Teyssandier has conducted archaeological research across multiple continents, with fieldwork in France, South Africa, South Korea, Japan, and Mongolia. As a prehistoric archaeologist, he specializes in the emergence of modern humans and the technical and socio-economic changes that occurred during human expansion across the globe. His particular focus is on the transition from the Middle to Upper Paleolithic periods in Europe and the extinction of the last Neanderthals.

Miguel Biard

Researcher, INRAP, UMR TEMPS, Centre Île-de-France, France

Miguel Biard is a specialist in Palaeolithic lithic industries, he employs an approach that combines technological analysis with experimental knapping to gain a deeper understanding of the technical expertise and cultural dynamics of hunter-gatherer societies. His research focuses primarily on the Upper Palaeolithic, with a particular interest in the Solutrean and the production techniques of laurel leaf points, which he has extensively studied and experimentally replicated. He is also involved in the study of large blade industries (Belloisian, Magdalenian), the terminal Upper Palaeolithic in Normandy (Azilian, Belloisian), and the expedient lithic productions of the Early Neolithic.

Dr. Susanna Harris

Senior Lecturer in Archaeology, University of Glasgow, United Kingdom

Dr. Susanna Harris is a senior lecturer at the University of Glasgow specializing in the material culture of past societies, with expertise focused on ancient textiles, fibers, and basketry. Her research spans from prehistory to the early medieval period, concentrating on Northwestern Europe and the central Mediterranean. Dr. Harris employs experimental archaeology to study ancient textile production techniques based on the analysis of fibers and fabrics preserved in archaeological contexts. She is co-investigator of the AHRC-funded project "Unwrapping the Galloway Hoard" and principal investigator for "Fibres and Fabrics from Must Farm Bronze Age Pile-Dwelling." Her publications include co-edited volumes on ancient Mediterranean textiles. Dr. Harris collaborates with museums, commercial archaeology companies, and government organizations.

Dr. Florian Téreygeol

Senior Researcher, CNRS & IRAMAT (Paris-Saclay, France)

Dr. Florian Téreygeol is a research director at the French National Centre for Scientific Research (CNRS) and at the Institute of Research on ArchaeoMATerials (IRAMAT). He works on the technical aspects of mining extraction and metal metallurgy during medieval and modern periods, with a particular focus on non-ferrous metallurgical processes. Dr. Téreygeol began his research by studying the Carolingian silver mines of Melle (Metallum). Since 2003, he has directed international archaeological excavations at Castel-Minier and has worked at the Jabali silver mine in Yemen. His research extends to colonial South America, where he has conducted surveys in the Potosí department in Bolivia, to study non-ferrous metallurgy production during the colonial period (15th-18th centuries). Since 2007, Dr. Téreygeol has developed an experimental archaeology platform in Melle dedicated to reconstructing historical smelting and refining techniques, contributing to our understanding of past metallurgical practices.

Dr. Aimée Little

Senior Lecturer in Early Prehistory, Material Culture and Experimental Archaeology, University of York, United Kingdom

Dr. Aimée Little is a senior lecturer at the University of York and director of the York Experimental Archaeological Research Centre (YEAR), which she founded in 2015. She works on the material culture of the last hunter-gatherers of Northwestern Europe and their funerary contexts. Her approach integrates data from experimental archaeology, microwear and residue analyses, digital imaging, 3D printing, ethnography, and biomolecular analyses to understand the role of objects in past hunter-gatherer societies. Through experimental approaches and functional studies, Dr. Little examines how artifacts functioned in these past social contexts and how they evolved during their use. Her work at the YEAR Centre has contributed to methodological frameworks for experimental archaeology, particularly in the study of prehistoric technologies.

Dr. Maud Mulliez

Associate Researcher, UMR 7041 ArScAn & UMS 3657 ArchEovision, France

Dr. Maud Mulliez is an associate researcher at UMR 7041 ArScAn (ESPRI-LIMC team) and UMS 3657 ArchEovision, combining expertise in art history, archaeology, and artistic practice. With a doctorate in History and Archaeology of Ancient Worlds, she specialises in polychromy studies—investigating how colour was used in sculpture, architecture, and wall painting throughout antiquity. Through experimental archaeology, Dr. Mulliez recreates historical pigments and painting techniques using period-appropriate materials and methods. Her research extends beyond academia through public demonstrations and polychrome reconstructions for major institutions, including the Louvre Museum.

Dr. Jordi Rosell Ardèvol

Researcher, IPHES & University of Tarragona, Spain

Dr. Jordi Rosell Ardèvol holds a doctorate in History and Geography from Rovira i Virgili, Tarragone and works on the cultural evolution of Pleistocene human groups. His expertise lies in zooarchaeology and taphonomy, focusing on human behaviour analysis through faunal records, particularly subsistence strategies and dietary practices. Dr. Rosell employs experimental archaeology to understand bone modification patterns, butchery techniques, and site formation processes through controlled replication studies. His research contributes to evolutionary anthropology through approaches including occupational pattern identification, hominid-carnivore interaction studies, and analysis of how technological development influenced faunal processing patterns. He also collaborates on neotaphonomic studies of large European carnivores, particularly Pyrenean bears, applying actualistic approaches to understand past human-animal relationships.

2 Congress Locations

2.1 Congress venue

The CONEXP congress will take place at at B3, the Centre de Ressources et de Créativité of the Province of Liège (https://b3.provincedeliege.be/) which is located at the Place des Arts, 1 - 4020 Liège.

The auditorium, located on the ground floor, can accommodate 165 seats. Coffee breaks and lunch will be provided within the building.

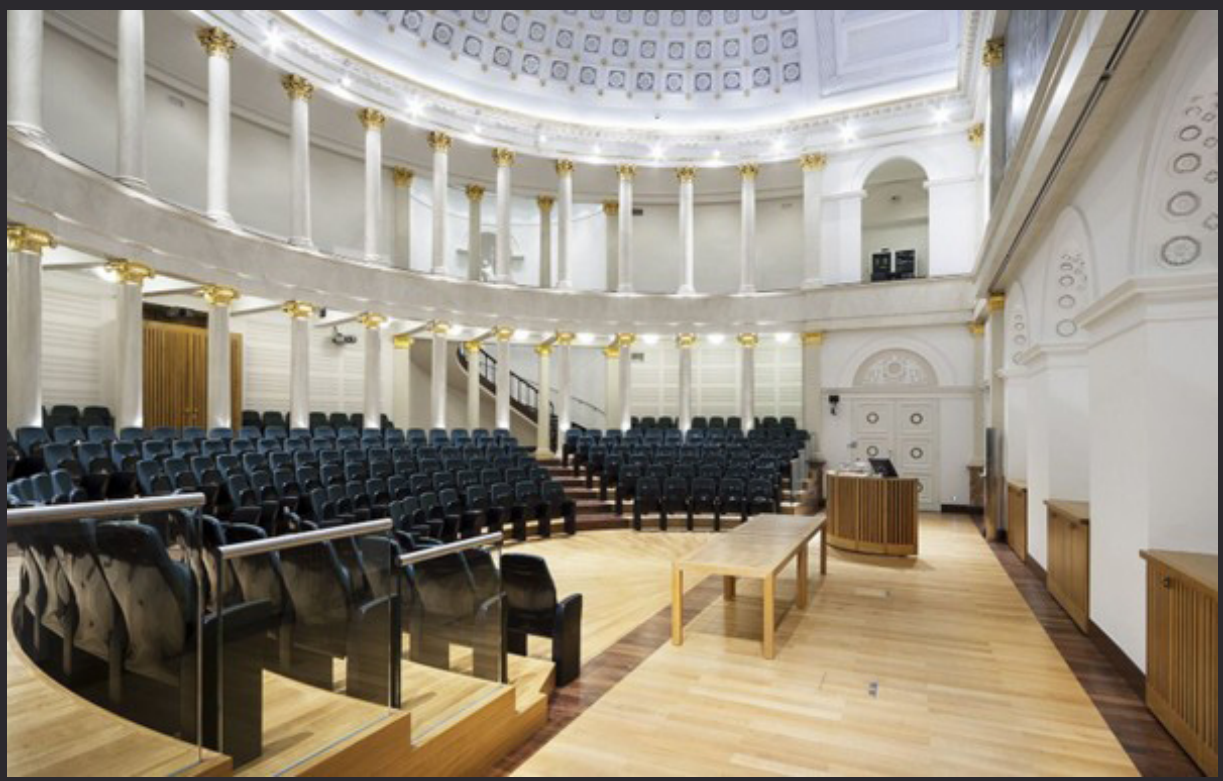
2.2 Experimental sessions

The experimental sessions will be held on Saturday, 25/10/2025, at the Prehistomuseum in Ramioul, Rue de la Grotte 128, 4400 Flémalle (https://www.Prehisto.museum).

Conference participants will have the option to take a chartered bus to and from the museum.

2.3 Conference for the general public

The large audience conference will take place on Tuesday, 21/10/2025, at Salle Académique, Ground Floor (accessible through the main entrace of the university), Place du Vingt Août 7, 4000 Liège (See map).



Map of Liège

1 University main building (Salle Académique)
2 B3 (Centre de Ressources et de Créativité of the Province of Liège)
3 Liège-Guillemins Railway station