

Leibniz-Zentrum für Archäologie
Ludwig-Lindenschmit-Forum 1
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Neuwied/Faro | 10 January 2025

Tool Choice in Prehistory

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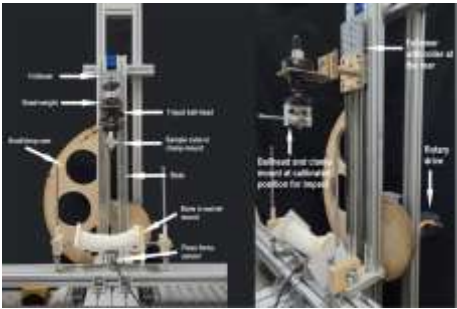
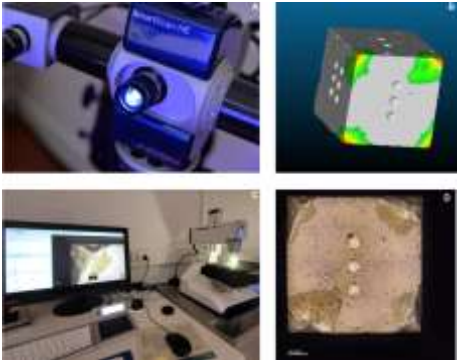
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Left: experiential activity on long bone; Top right: imaging the experimental samples; Bottom right: map with the location of the study case (Melka Wakena).

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	<p>Experimental mechanical setup (SMARTTESTER®, manufactured by Inotec AP GmbH, with adaptations made by Walter Gneisinger) at TraCEr laboratory in Monrepos.</p> <p>Copyright: Eduardo Paixão / Walter Gneisinger, : Paixão et al., 2025, PLOS ONE, CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/)</p>
	<p>The stone samples were subsequently scanned (A) and examined under the microscope (B) to visualize the impacts of the strikes (B). The impact marks are also visible to the naked eye (D).</p> <p>Copyright: Eduardo Paixão / TraCEr, : Paixão et al., 2025, PLOS ONE, CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/)</p>

MONREPOS Archaeological Research Centre and Museum for Human Behavioural Evolution

MONREPOS is at the same time museum and research institute. It is a department of the Leibniz-Zentrum für Archäologie, based in Mainz, a Leibniz-Association research institute, located in the Monrepos stately home near Neuwied, where research has been conducted for more than 35 years. The research centre and museum is closely linked to the Pre- and Protohistoric Archaeology section at the Institute of Ancient Studies of the Johannes Gutenberg-University Mainz.

Our research focuses on the inheritance we carry within us, which is worth millions: Our human behaviour has evolved over more than 2.6 million years. This early human history spans the longest and defining period of our behavioural evolution that is central to our research at MONREPOS. Our archaeology thrives on working together, on questions, impulses, discussion. And, not least, on criticism and on tolerance. It needs people who are curious, creative and courageous - whether these are scientists, pro bono helpers, media or visitors. MONREPOS sees itself as a platform for everyone who wishes to understand how we evolved and what unites us.

Leibniz-Zentrum für Archäologie (LEIZA)

As a Leibniz Research Institute and Museum for Archaeology, LEIZA studies humans and their development based on material remains that span three million years across time and space. The fundamental insights we gain improve our understanding of human behaviour, actions and the development of societies. In this way, LEIZA enriches our knowledge of humans from an archaeological perspective and creates essential foundations for reflecting on the present and shaping the future. With archaeology, LEIZA views human beings in context and shares the knowledge gained in international dialogue. LEIZA is active worldwide and has successfully and comprehensively conducted research in various regions of Africa, Asia and Europe. The unique concentration of archaeological, scientific, restoration and information technology expertise, combined with important workshops, laboratories and archives, makes it possible to conduct object-oriented research into the archaeology of the ancient world (Asia, Africa, Europe) from the beginnings of human history to modern times. As one of eight research museums in the Leibniz Association, LEIZA combines excellent science with exhibitions and, with its educational mission, is also a place for dialogue with the public.

Until its renaming on 1 January 2023, LEIZA was known internationally as the Römisch-Germanisches Zentralmuseum (RGZM), which was founded in Mainz in 1852 by resolution of the German Historical and Antiquities Societies. Since 2024, LEIZA is represented at four locations in Germany: Mainz, Neuwied, Mayen, and Schleswig. www.leiza.de

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MONREPOS

Archäologisches Forschungszentrum und Museum
für menschliche Verhaltensevolution



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