

THE IBERIAN STELAE OF THE FINAL BRONZE AGE:
ICONOGRAPHY, TECHNOLOGY AND THE TRANSFER
OF KNOWLEDGE BETWEEN THE ATLANTIC AND THE
MEDITERRANEAN

AS ESTELAS IBÉRICAS DA IDADE DO BRONZE FINAL:
ICONOGRAFIA, TECNOLOGIA E A TRANSFERÊNCIA
DE CONHECIMENTO ENTRE O ATLÂNTICO E O MEDI-
TERRÂNEO

LAS ESTELAS IBÉRICAS DEL BRONZE FINAL: ICONO-
GRAFIA, TECNOLOGÍA Y A TRANSFERENCIA DE CO-
NOCIMIENTO ENTRE EL ATLÁNTICO Y EL MEDITERRÁ-
NEO

DFG-Project No. AR 1305/1-2

<https://www.experimentalarchaeology.uni-freiburg.de/>

The main objective of this international research project, is the study of the complex triangular relationship between culture, technology and communication that is represented by the Iberian stelae of the Final Bronze Age/Early Iron Age (1200-550 BC). The innovative approach encompasses scientific testing of the prevalent hypotheses on tools used for stela making based upon archaeometry and geo-archaeology, complemented by experimental archaeology. A multi-disciplinary team of researchers and craftspeople cooperated to significantly enhance scientific knowledge on technological aspects of prehistoric stone working. First results from the diverse fields of research, from archaeology and archaeometallurgy, visual culture and landscape studies, geochemical and petrological analyses, will be presented and discussed.

All presentations will be translated simultaneously between English and Spanish. The primary language of the presentations is highlighted in the titles.



<https://www.housing.uni-freiburg.de/liefmannhaus/liefmannhaus-history>

Contact:

Cornelia Wagner
Institut für Archäologische Wissenschaften
Abteilung Urgeschichtliche Archäologie

Belfortstraße 22, D-79085 Freiburg
Tel. 0049 (0)761 203 3383
E-mail: info@ufg.uni-freiburg.de
Web: www.ufg.uni-freiburg.de

Organisation:

Ralph Araque Gonzalez

International Project Workshop
and Conference

The Iberian Stelae of the
Final Bronze Age:
Iconography, Technology and the
Transfer of Knowledge between the
Atlantic and the Mediterranean

Freiburg, 10th to 11th of October 2023

Liefmannhaus der Universität Freiburg,
Goethestraße 33, 79100 Freiburg im Breisgau

DFG Deutsche
Forschungsgemeinschaft

universität freiburg

Day 1: Tuesday 10th October

The Iberian Stelae of the Final Bronze Age and Early Iron Age – Research, Iconography and Rocks

Session 1: The Iberian Stelae, chair: Ana Amor Santos

9:00 **Welcome and coffee**

09:30 *Ralph Araque Gonzalez: Introduction - The project and its first Results /* Introducción – El proyecto y sus primeros resultados.

10:00 *Sebastian Celestino: Contexto General de las Estelas /* General Context of the Stelae.

10:45 *Pablo Paniego: El catálogo de las estelas del Instituto de Arqueología-Mérida /* The catalogue of the Iberian stelae of the Institute of Archaeology in Mérida.

11:15 *Guiomar Pulido-González: Los elementos de importación representados en las estelas del Oeste. Nuevas preguntas para viejas amigas /* The imported elements represented on the stelae of the West. New questions for old friends.

12:00 *Marcos Osório, Pedro Baptista & Raquel Vilaça: Stelae and landscape at the Western “Cordilheira Central” during the Late Bronze Age /* Estelas y paisaje en la „Cordilheira Central“ occidental durante la Edad del Bronce Final

12:45 *Lunch break (until 14:00)*

Session 2: Iconography and Theoretical Approaches, chair: Christoph Huth

14:00 *Ana Amor Santos: Bodies, representations and time. A long diachronic approach to the anthropomorphic representations in Iberian late prehistoric art /* Cuerpos, representaciones y tiempo. Una larga aproximación diacrónica a las representaciones antropomórficas en el arte ibérico de la prehistoria tardía.

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The Iberian Stelae of the Final Bronze Age and Early Iron Age – Research, Iconography and Rocks

14.45 *José E. De Medeiros: Símbolos, ideologia e processo formativo: Uma reflexão sobre estruturas de interpretação /* **Symbols, ideology and the formative process: A reflection on structures of interpretation.**

15.30 *Christoph Huth: Iberian stelae and the principles of pictorial representation /* Las estelas ibéricas y los principios de la representación pictórica.

16.15 *Ralph Udochukwu Ucheh: Profiling the enigmatic carved stone balls of Europe: Through whose eyes? /* Perfilando las enigmáticas bolas de piedra tallada de Europa: ¿A través de los ojos de quién?

Session 3: The Rocks of the Iberian Stelae, chair: Pedro Baptista

17.00 *Timo Döbler: Metamorphic mapping and geomorphologic considerations to locate the extraction sites of meta-psammite Late Bronze Age stelae from the Beira Interior (Portugal) /* Cartografía metamórfica y consideraciones geomorfológicas para localizar los lugares de extracción de estelas meta-psamíticas de la Edad del Bronce Tardío de Beira Interior (Portugal)

17.30 *Rafael Ferreira Mählmann: Petrographic, mineralogic, geochemical and geo-morphological provenience study on granite stelae from the Beira Alta (Beira Interior, Portugal) /* Estudio petrográfico, mineralógico, geoquímico y de procedencia geomorfológica de estelas graníticas de la Beira Alta (Beira Interior, Portugal)

18:00 *Rafael Ferreira Mählmann: Which tool material did stonemasons from the Late Bronze Age in the Iberian Peninsula use to carve stelae from hard rocks? /* ¿Qué material utilizaban los canteros de finales de la Edad del Bronce en la Península Ibérica para tallar estelas en rocas duras?

18:30 **Discussion and Résumé**

20:00 *Workshop Dinner, Restaurant TBA*

Day 2: Wednesday 11th October

The Iberian Stelae and Metals – Bronze, Iron and the Protohistoric Landscape

Session 4: Metals in the Iberian Landscape, chair: Vera Rammelkammer

9:00 **Round Table: Discussion of results, publication, and perspectives for future research**

10:00 *Pedro Baptista: Spatializing warrior stelae: a GIS-based interpretative framework for the understanding of FBA-EIA landscapes /* Espacialización de las estelas guerreras: un marco interpretativo basado en SIG para la comprensión de los paisajes FBA-EIA

10:45 *Rui Mataloto: What is the riddle of steel? Memory, Landscape and warriors in the Alentejo’s Late Bronze Age /* ¿Qué es el enigma del hierro? Memoria, paisaje y guerreros en la Edad de Bronce Final del Alentejo.

11.30 *Bastian Asmus: The chisel from Rocha do Vigio /* El cincel de Rocha do Vigio.

12.15 *Lois Armada & Carlo Bottaini: Bronze artefacts and Atlantic-Mediterranean interaction during the Late Bronze Age: from metal production to stelae iconography in western Iberia /* Artefactos de bronce e interacción atlántico-mediterránea durante el Bronce Final: de la producción de metales a la iconografía de estelas en Iberia occidental

13.00 **Final Discussion and Resume** (moderation: *Ralph Araque Gonzalez*)

13.30 *Lunch break (until 15:00)*

15:00 **Live-Presentation of chisel replications** by *Alex Richter and Giuseppe Vintrici* at Archaeological Institute / Belfortstraße 22

15:30 **Visita guiada por la ciudad de Friburgo (en español) /** Guided city tour in Freiburg (Spanish)

20:00 *Joint Final Dinner, Restaurant Ochsebrugg Freiburg*