

## **THE ARCHAEOMETRY OF ROCK ART: ANALYSES, ABSOLUTE DATING AND CONSERVATION**

### **Sara Garcês**

Geosciences Centre, Coimbra University - (u. ID73-FCT), Tomar Polytechnique Institute; Instituto Terra e Memória (ITM, Portugal); 1902 Committee;

### **Hugo Gomes**

Geosciences Centre, Coimbra University - (u. ID73-FCT), Portugal.

### **Pierluigi Rosina**

Tomar Polytechnique Institute, Portugal.

### **Esther López-Montalvo**

Chargée de recherche CNRS, TRACES UMR 5608, Université de Toulouse 2 Jean Jaurès 5, France.

### **Abstract**

We invite you all to participate on this session that explores the multi-proxy archaeometry methods concerning the study of technologies, chrono-cultural contexts and interpretations of rock art uses throughout the Paleolithic and post-Paleolithic periods. This session seeks to better contextualize the prehistoric portable and rock art operative chains: from the study of raw materials, coloring materials and supports, to the technical gestures, preparation process, painting or engraving. Studies may range from multi-disciplinary analysis to text-based discussions of pigment analysis. Discussions about dating methods used in the contextualization of prehistoric art are particularly welcome.

We invite and encourage the participants in this session to debate around the different studies related with prehistoric rock art archaeometry methods taking into account the most recent methodologies and scientific instrumentation, the state of the current issue and the future prospects of this line of research.

The session will be organized into 15-minute speeches, followed by a time for discussion and exchange. Due to time constraints, only one author from each presentation will present, but all are welcome to participate in discussion. Depending on the number of participants, session presiders hope to publish the final papers in a peer-reviewed volume.

**Keywords:** Archaeometry; Analyses; Dating; Conservation; Pigments.