



**CALL FOR PAPERS FROM 19 DECEMBER 2022 TO 9 FEBRUARY 2023**

### **SESSION # 392**

#### **Peaks of Data: Collecting, Managing and Analysing Archaeological Data from Mountain Landscapes**

Mountain archaeology has a long tradition of study; however, in recent years new methodologies and theories for studying these landscapes have emerged, also thanks to the widespread development and use of digital technologies for the management of big datasets.

Numerous scholars have investigated the different facets of these landscapes with multiscale and interdisciplinary approaches, shedding new light on the dynamics of mountain's communities.

The characteristics of mountain landscapes, such as poor visibility in forested areas or deep slopes, have led to the development of different approaches, to collect information even in extreme environments. This results in a variety of data collection methods, depending on landscape features, scale of investigation, chronologies and research objectives. Field surveys may in fact be accompanied by targeted excavations, ethnoarchaeological and ethnographical approaches, and the analysis of paleo-environmental and paleo-climatic data, highlighting the importance of multiproxy-multidisciplinary databases.

Spatial and computational analysis help to identify patterns in big and diverse datasets and are used to assess representativity and biases in data. Statistical methods and predictive modelling can be used to mitigate these biases and restore realistic images of the human-environment dialectic in the formation of the mountain landscapes.

Finally, data management can contribute to FAIR data sharing, ensuring transparency in scientific practice inside and outside the scientific community, which can aid research work on landscapes where data acquisition is so complex.

This session aims at comparing the different methods of collecting, managing, and analysing archaeological data acquired in mountain landscapes. We seek contributions related to any chronological period on topics including (but not limited to):

- innovative and interdisciplinary case studies of data acquisition, data analysis, and management.
- theoretical and methodological approaches for the mitigation of biases in archaeological data from mountain landscapes.
- novel approaches for the integration of multiproxy-multidisciplinary datasets.

#### **ORGANISERS**

##### **Main organiser:**

**Salvatore Basile (Italy)** – Pisa University

##### **Co-Organisers:**

**Francesca Anichini (Italy)** – Pisa University

**Francesco Carrer (United Kingdom)** – Newcastle University

**Guillem Domingo Ribas (United Kingdom)** – Newcastle University

**Claudia Sciuto (Italy)** – Pisa University

<https://www.e-a-a.org/EAA2023>