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Multi-scalar Characterization of Raw Materials

## Session 11: Knapping Tools and Techniques for Comparative Studies

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Determination of knapping techniques is fundamental in studying human evolution over long periods of history. Experiments can help us understand and precisely define the techniques applied across different areas and periods in the assemblages with higher precision. Several works try to approximate this topic, paying particular attention to the mechanical aspects and the influence of the raw materials knapped, but less to the tool morphologies and its composition. In this session, we want to pay specific attention to the impact of particular knapping tools in concrete techniques during different periods of prehistory.

In this respect, we will focus on two distinct areas: First, contributions based on the presentation and study of archaeological knapping tools and the associated assemblages from different periods and regions, with particular attention to the identification criteria, knapping utensils, techniques applied, products generated and raw material selection. Second, studies based on the analysis of experimental tools and lithic collections focused on the variation produce both in instruments and by-products with or without archaeological parallels.

We will establish a more precise definition of the technical evolution of human production through the comparative study of tools in the archaeological assemblages and experiments based on the application of various knapping tools and techniques.