

PROPUESTA PARA UNA COMUNICACIÓN ORAL

EXPERIMENTAL GRINDING STONE TOOLS IN THE PLANTCULT ERC PROJECT

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The 'PLANTCULT' ERC project explores the dynamic role of culinary transformation of plant ingredients into social and cultural identity in prehistoric Europe. One of the approaches involved in the multidisciplinary project is the study of grinding stone tools of different types of raw material (sandstone, andesite, granite) by establishing an experimental protocol, including analysis of the use of stone tools wear.

We focused on the process of manufacture of grinding stone tools, regarding the raw material selection, the shaping of the original boulders and the preparation of the active surfaces. We replicated three different tool types with three raw material (sandstone, andesite and granite), reproduced in two different size categories according to the archaeological record. Mechanical means were used for accelerating the shaping process, while special emphasis was placed on the preparation of the active surfaces of grinding tools by using hammerstones.

The aim of the experiment was to assess the toolkit preparation and the visibility of the various steps of the manufacture process in the archaeological record (manufacture traces on grinding and percussion tools; pecking remains).