
A modelling approach to explore the origin(s) of the Blade-Trapeze Complex

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Abstract

The distribution throughout Europe of the Blade-Trapeze Complex (BTC) that covers less than one millennium, based on available radiometric information, suggests there may have been demic and/or cultural diffusion processes before the Neolithic. In this context, the BTC industries have generally been studied from a regional perspective with the exception of G. Clark's work, who analysed the spread of this complex in terms of demic diffusion. However, if there was a population movement, where did the last hunter-gatherers living in Southwestern Europe come from? In recent years, the debate about the origin of the BTC phenomenon has pivoted between Crimea and North-western Africa following the excellent syntheses by Clark. In this talk, we will present a preliminary conceptualisation of an agent-based model to explore both origins based on radiocarbon dates and bioarchaeological data.

Keywords: Blade, Trapeze Complex, Agent, Based model, Biomass, Radiocarbon dates, demic diffusion.

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