
Confronting the Dual Model: a Mixed Model to Explain Hunter-Gatherer and Farming Interactions in Eastern Iberia

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Résumé

The spread of farming and herding practices along the Western Mediterranean has been explained through demic and/or cultural models including narrative as well as mathematical approaches. This debate is also maintained in Iberia where most of the researchers considers the existence of some degree of demic expansion currently supported by recent DNA results. The "dual model" was proposed in the 70th from the seminal works conducted by Martí in Cova de l'Or (Alicante) and Fortea in Cueva de la Cocina (Valencia). Using these two major sites to illustrate its, Cova de l'Or constituted an example of first agricultural settlement while Cueva de la Cocina showed a wide deposit including both last hunter-gatherers and Early Neolithic levels explained in terms of interaction. Summarizing, the dual model described the hypothesis of coexistence between farming pioneers and hunter-gatherer communities and the subsequent possible interaction scenarios. Nevertheless, as it is frequently emphasised by the literature, the explanation of this kind of acculturation contexts implies a major challenge due to the difficulties that usually involves to identify this kind of processes from archaeological record. In this presentation we propose to realize an evaluation of the proposed interaction scenario in Cueva de la Cocina in the context of the neolithization in Eastern Iberia considering, a) The new radiocarbon program conducted at the cavity in a Bayesian approach, b) geostatistical methods to test archaeological record dispersal patterns, and c), the regional framework in order to analyse local and regional processes.

Mots-Clés: neolithisation process, interaction, Eastern Iberia, Cueva de la Cocina, Radiocarbon

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