

Archaeological evidence for migrations and cultural interaction in the Middle and Upper Palaeolithic



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Funding

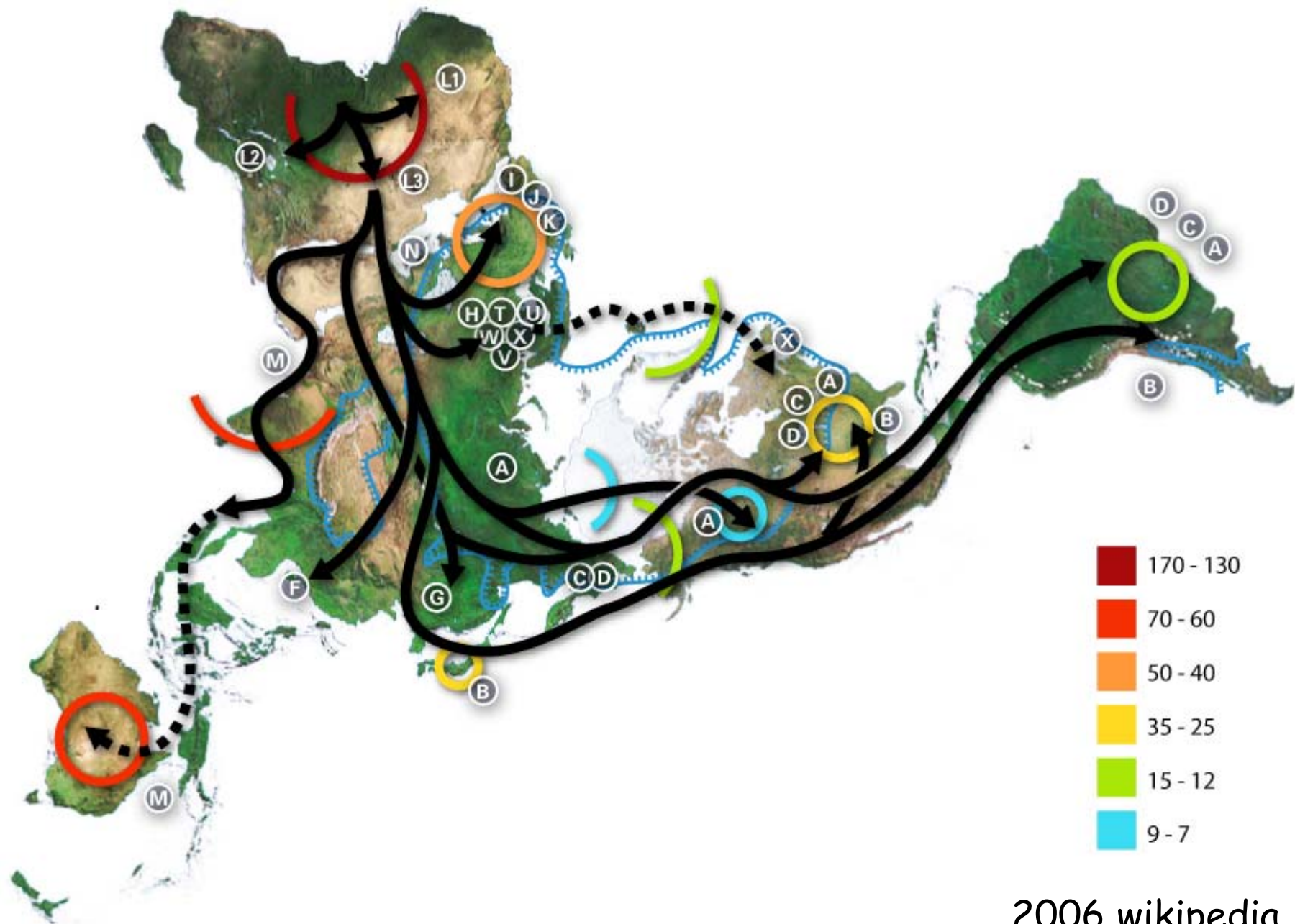


Eclipse

Environnement
et Climat du
Passé:
Histoire
et Evolution



Euroclimate
OMU



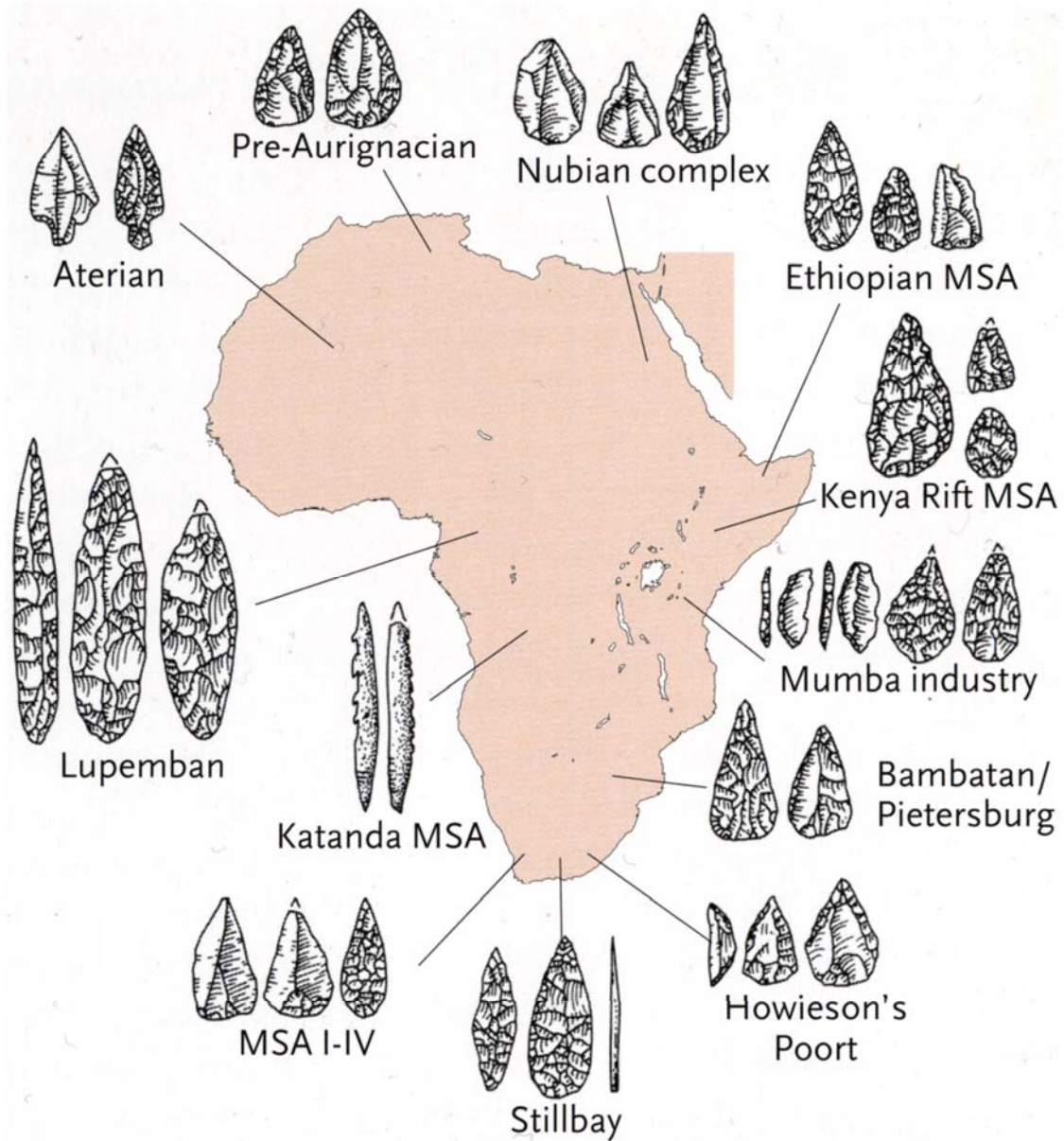
2006 wikipedia

250,000 – 100,000



Image NASA
Image © 2007 TerraMetrics

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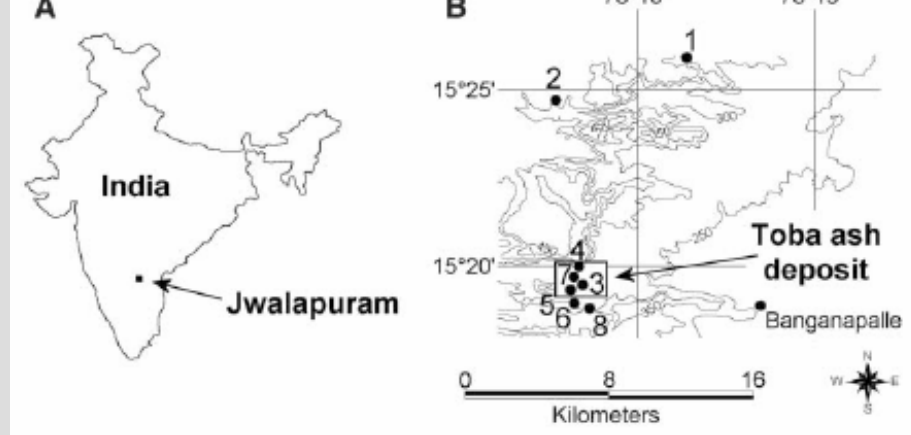


50,000 ?



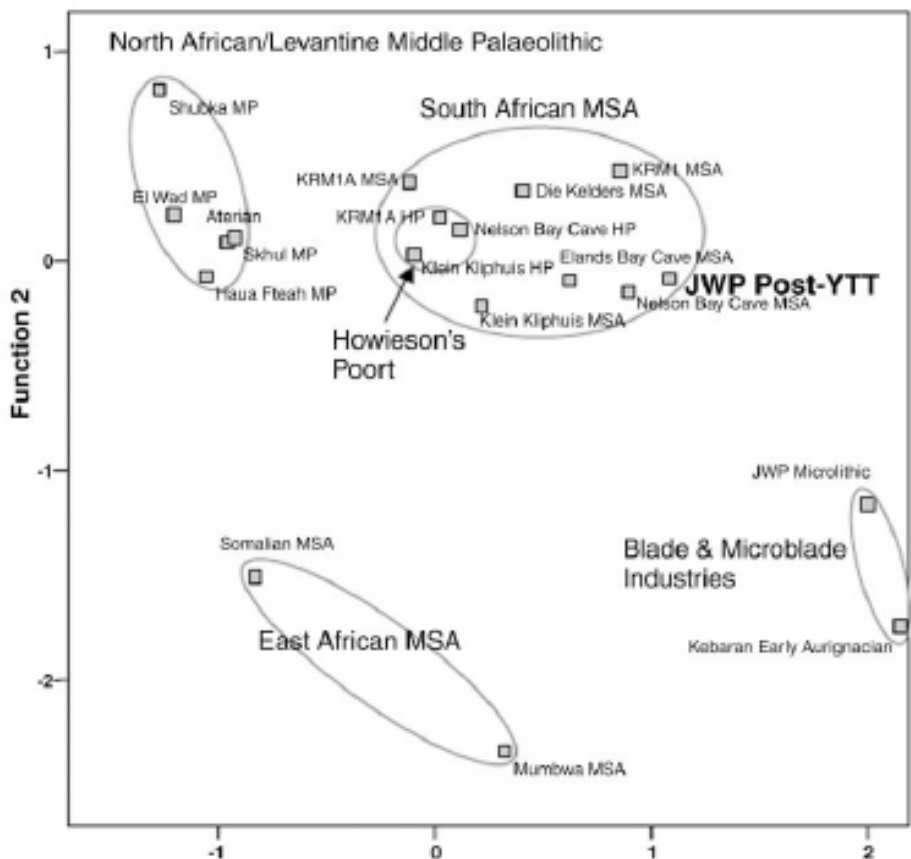
Image NASA
Image © 2007 TerraMetrics

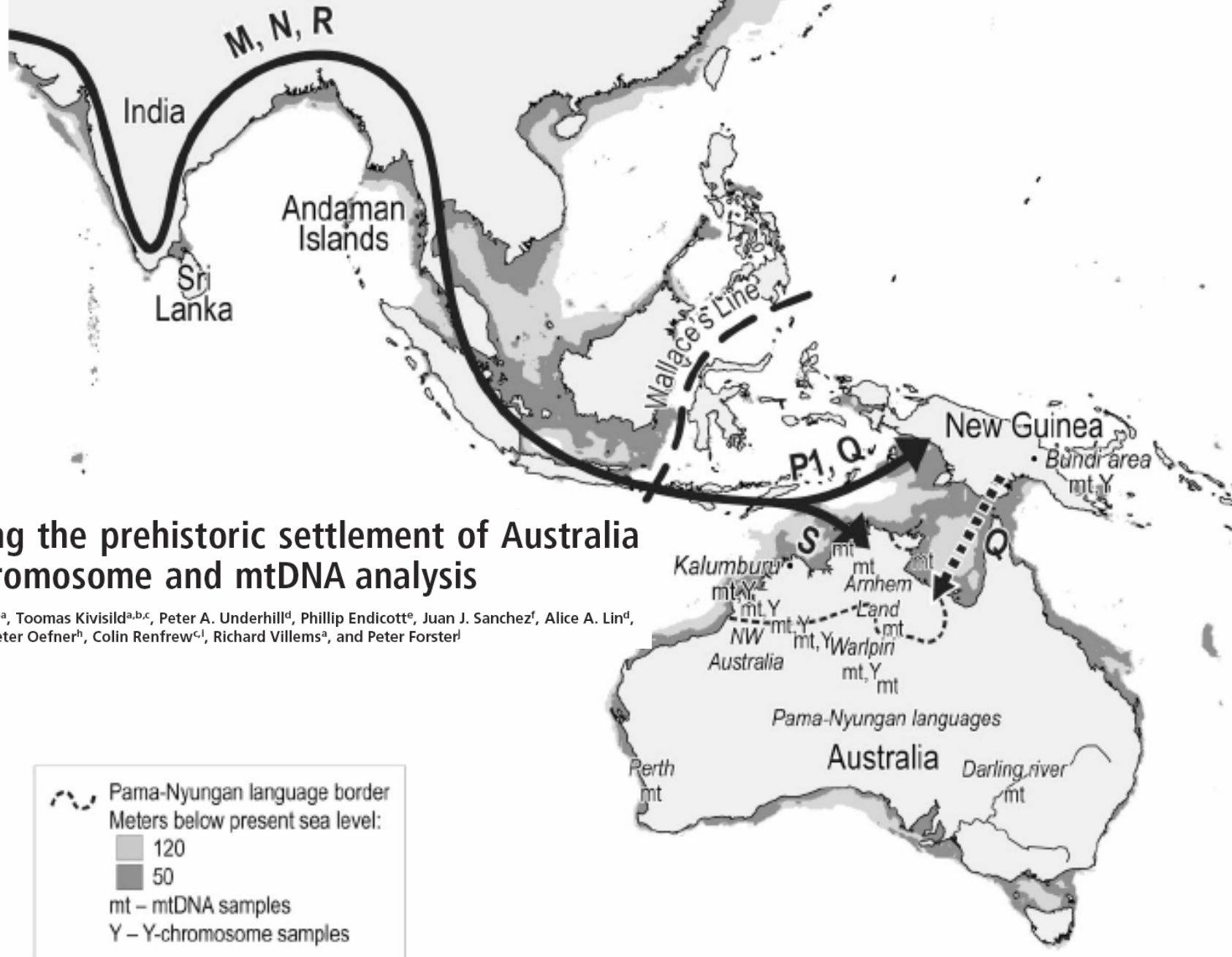
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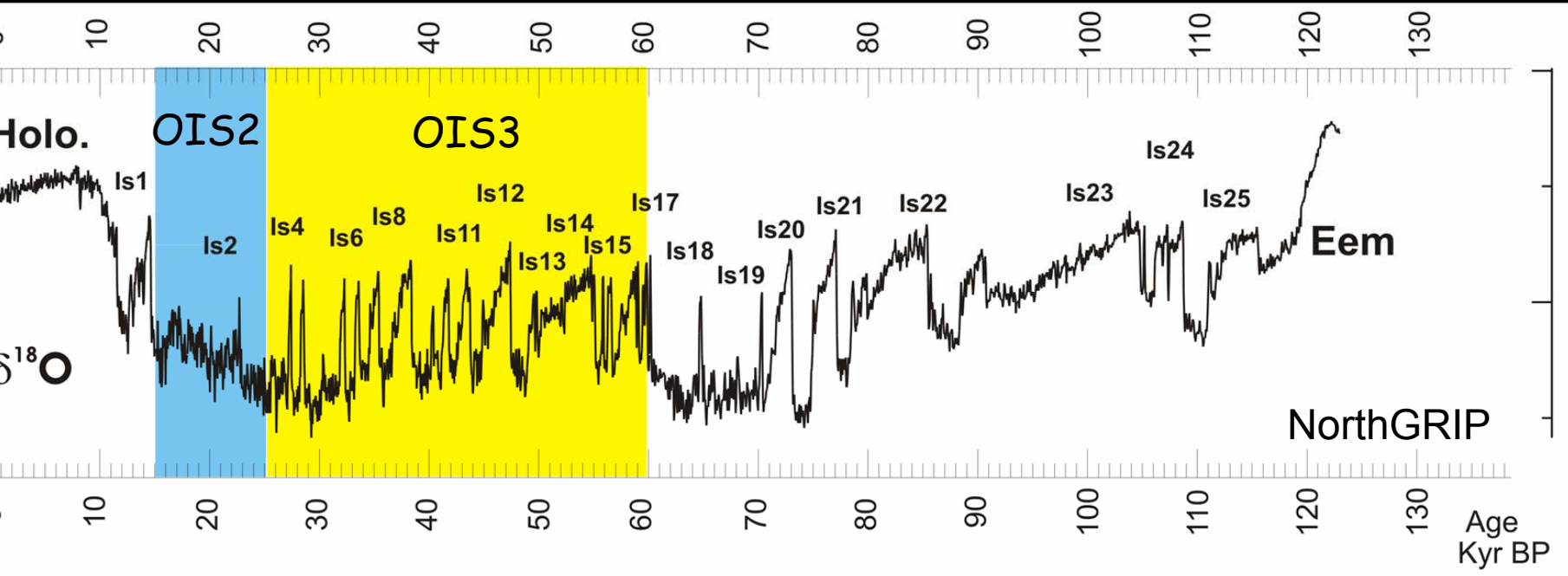


Middle Paleolithic Assemblages from the Indian Subcontinent Before and After the Toba Super-Eruption

Michael Petraglia,^{1,2*} Ravi Korisettar,³ Nicole Boivin,¹ Christopher Clarkson,⁴ Peter Ditchfield,⁵ Sacha Jones,¹ Jinu Koshy,³ Marta Mirazón Lahr,¹ Clive Oppenheimer,⁶ David Pyle,⁷ Richard Roberts,⁸ Jean-Luc Schwenninger,⁵ Lee Arnold,⁸ Kevin White⁹







Migration of Modern Humans into Europe



Migration of Modern Humans into Europe

d'Errico et al. *Curr. Anth.* 1997

Zilhão & d'Errico 1998 *J. World. Prehist.*

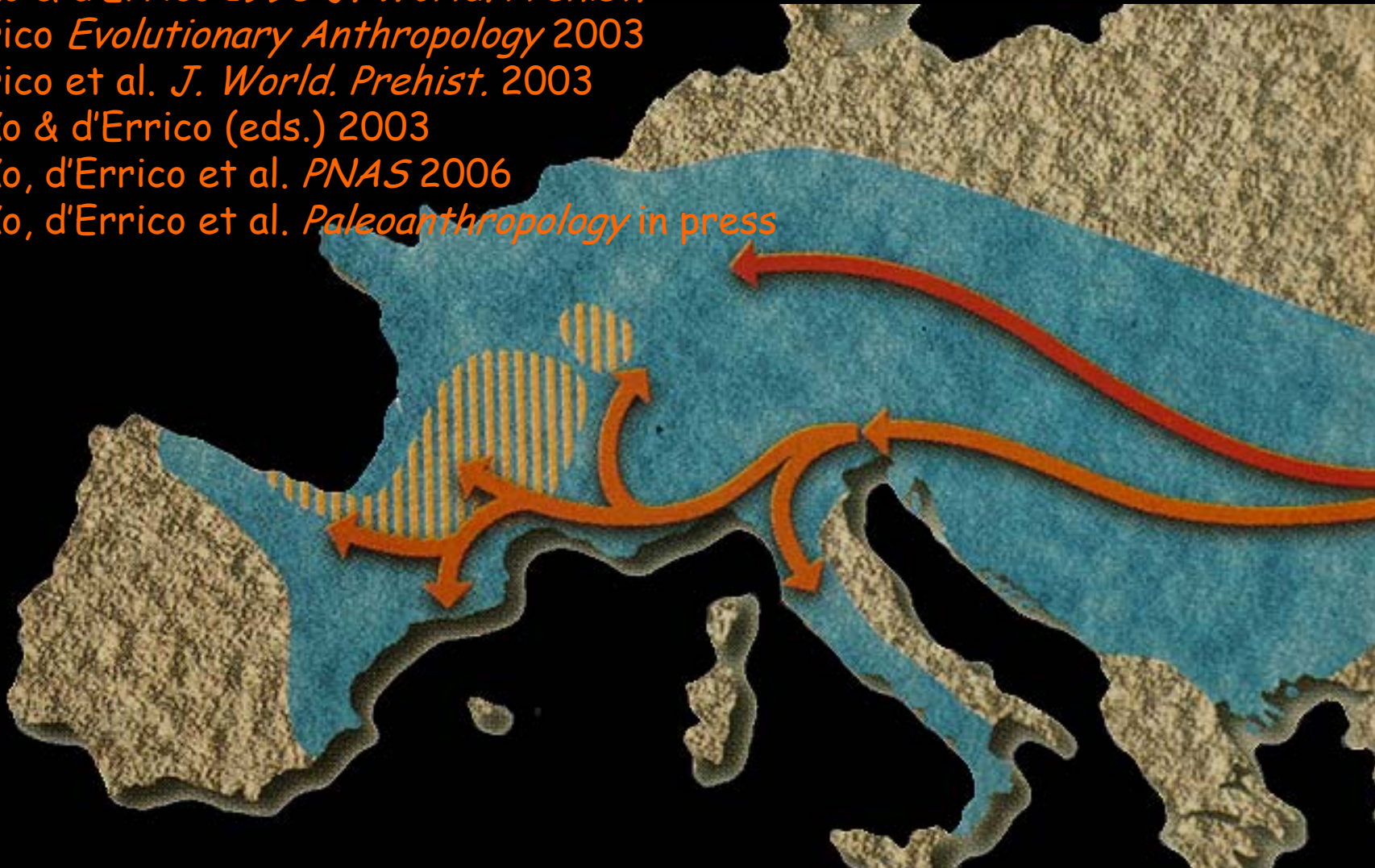
d'Errico *Evolutionary Anthropology* 2003

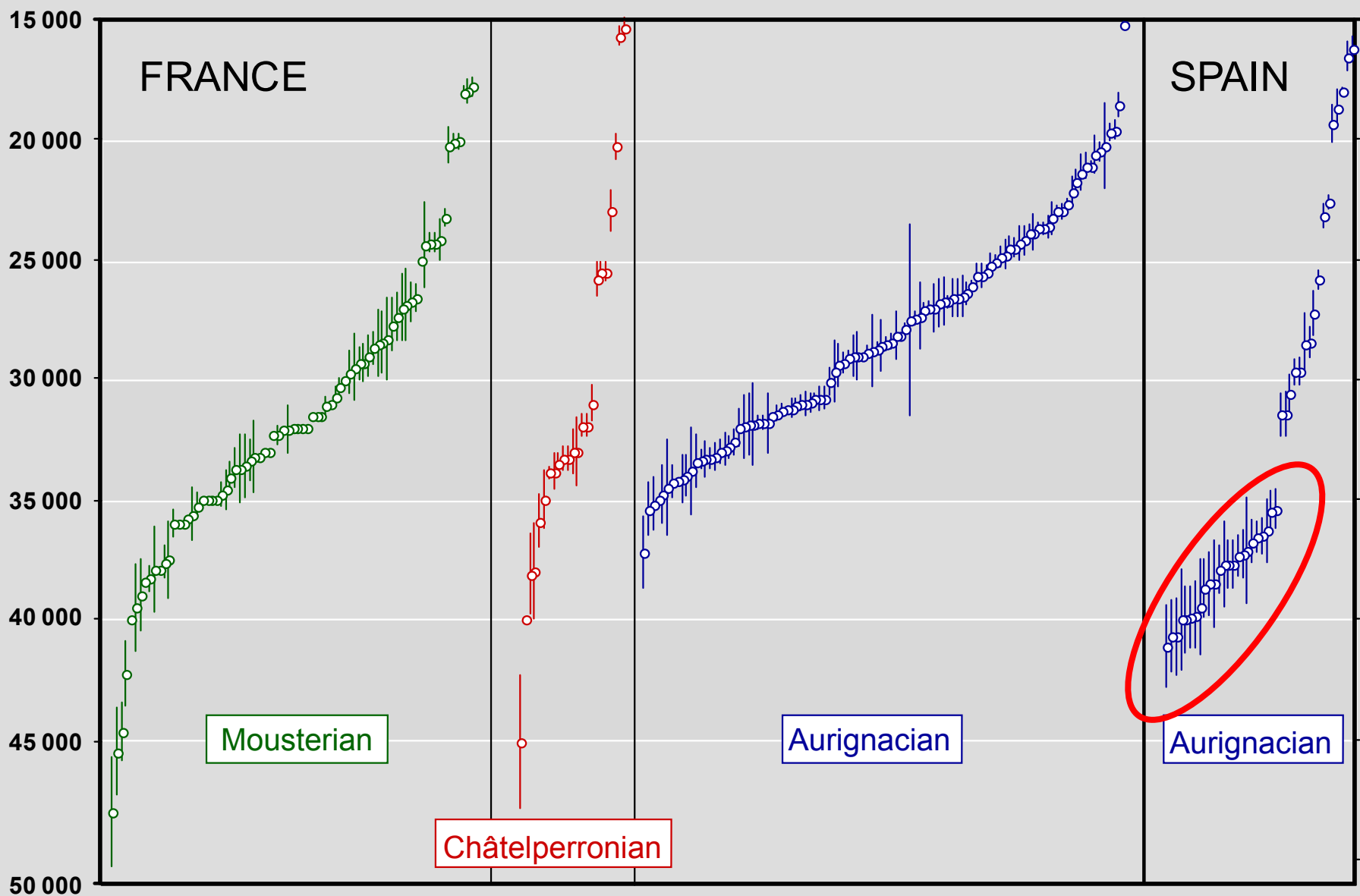
d'Errico et al. *J. World. Prehist.* 2003

Zilhão & d'Errico (eds.) 2003

Zilhão, d'Errico et al. *PNAS* 2006

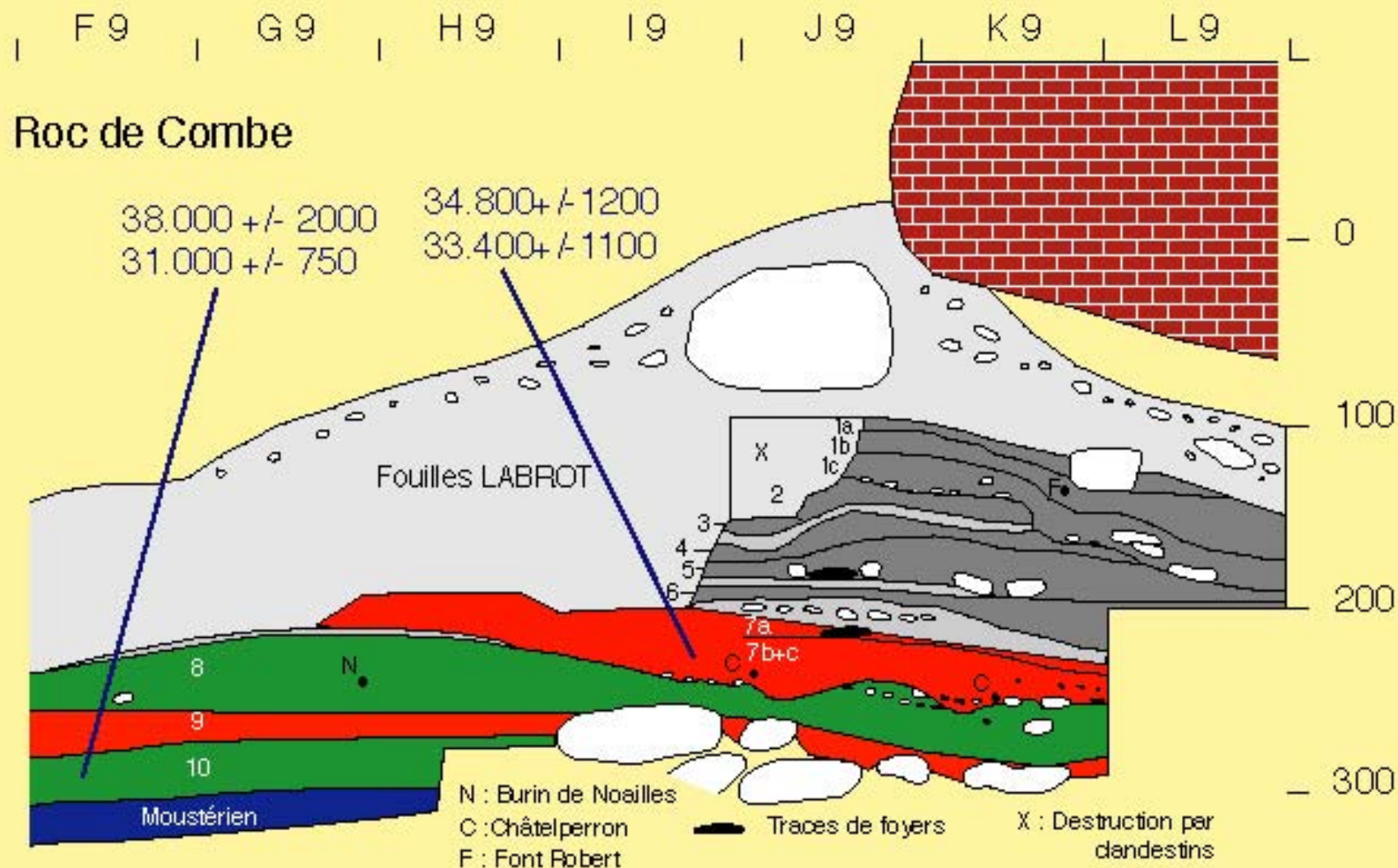
Zilhão, d'Errico et al. *Paleoanthropology* in press

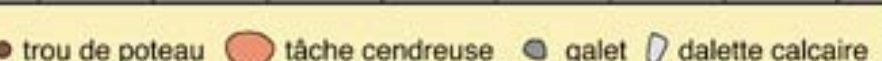


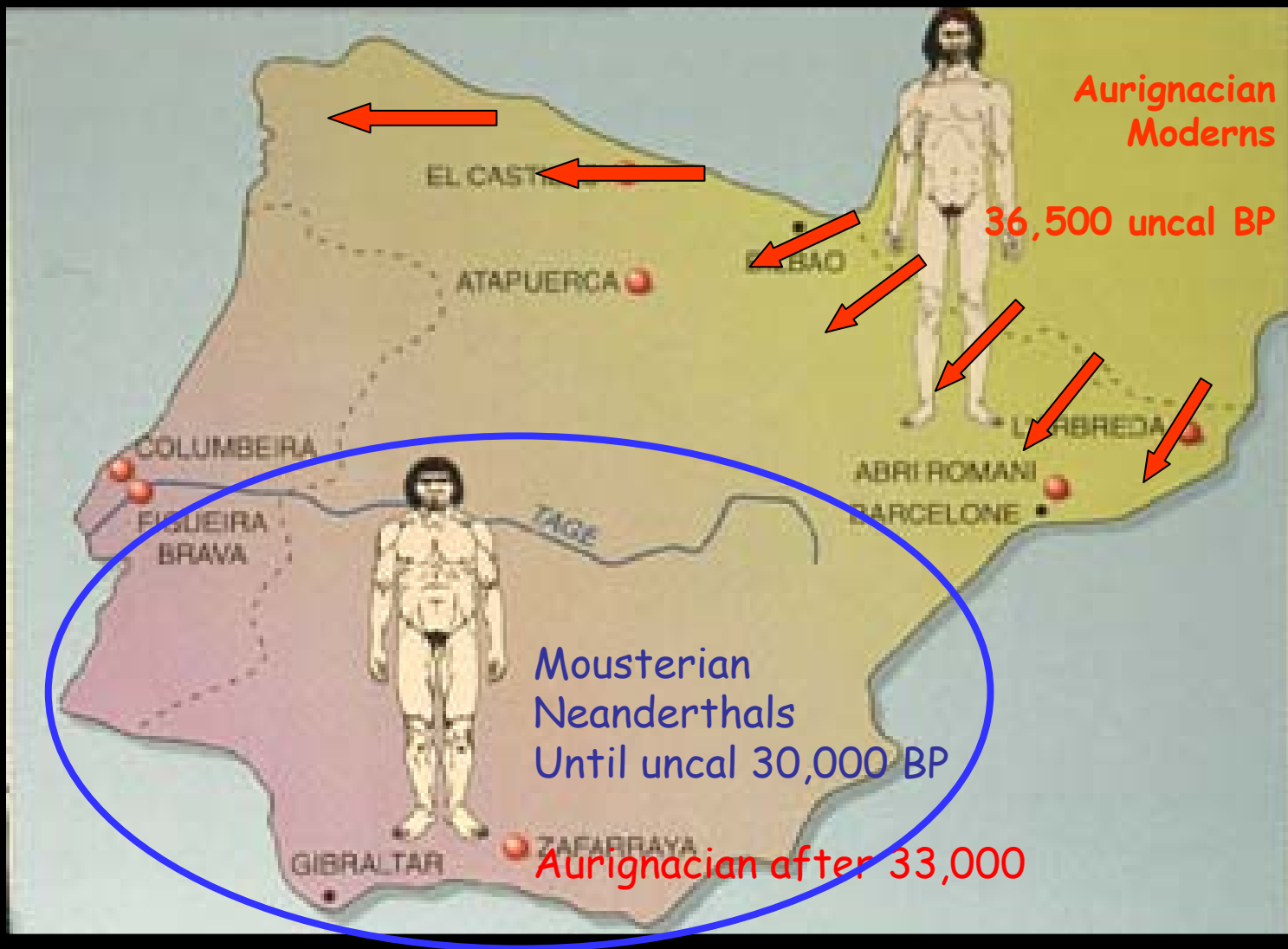


Zilhao & d'Errico, *Journal of World Prehistory* 1999

The question of the interstratifications

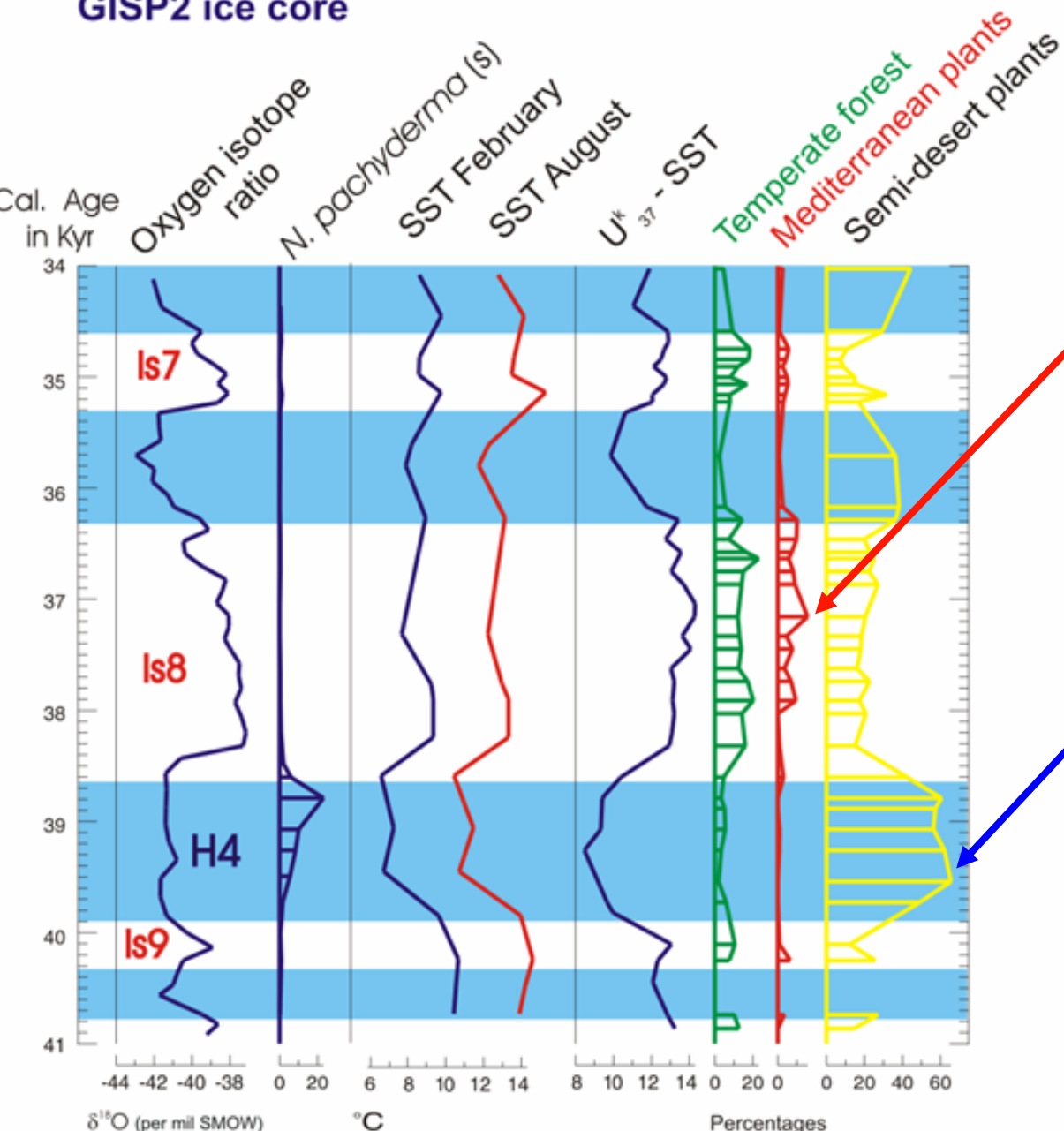






d'Errico & Sanchez Goni *Quaternary Science Review* 2003

GISP2 ice core



Simulations of
the impact of
the Henrich 4
event on the
Iberian
Peninsula with a
high resolution
general
circulation model

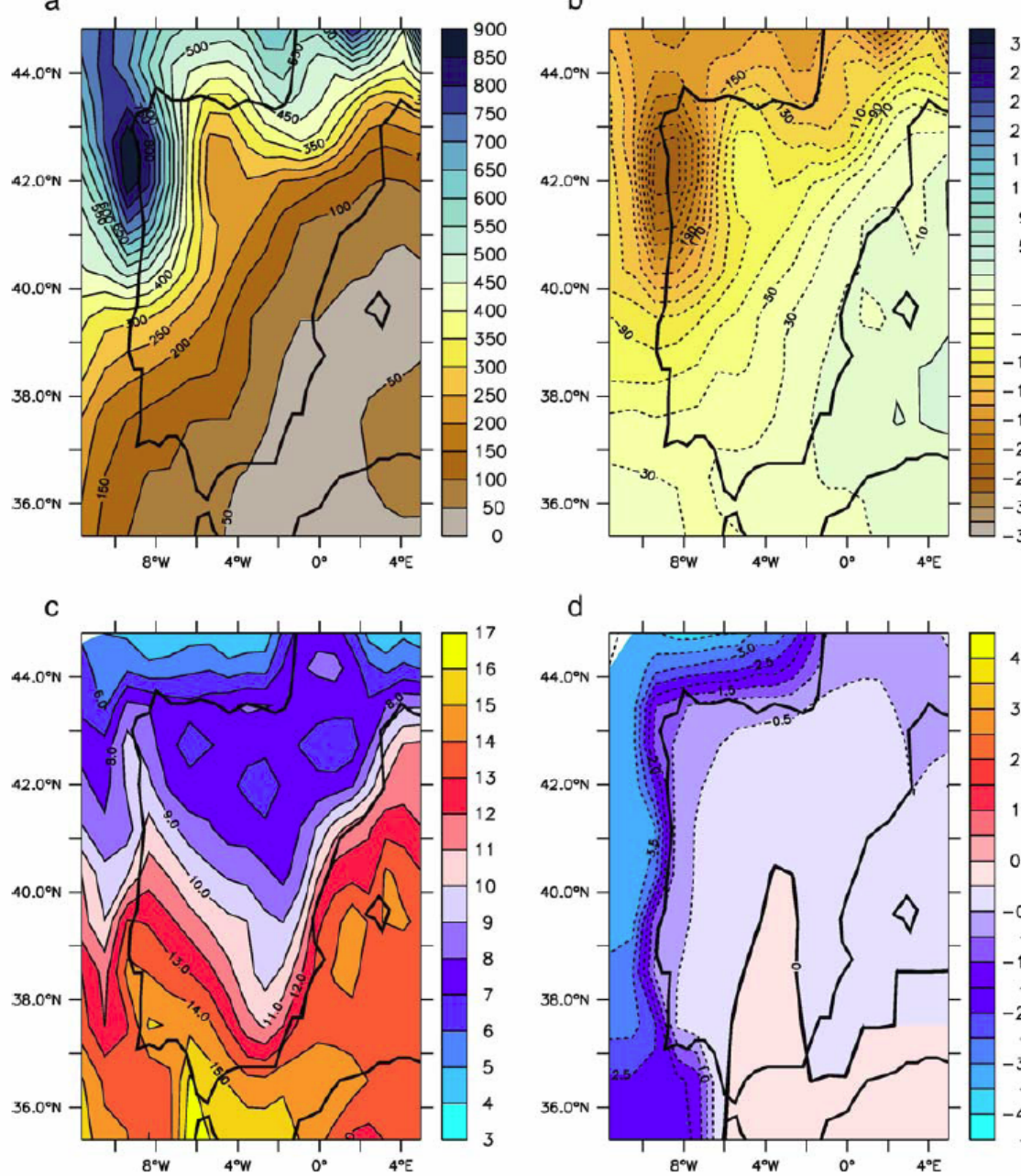
Setting:

ice sheets volume
orbital parameters
 CO_2 concentration

Forcing: SST

precipitations

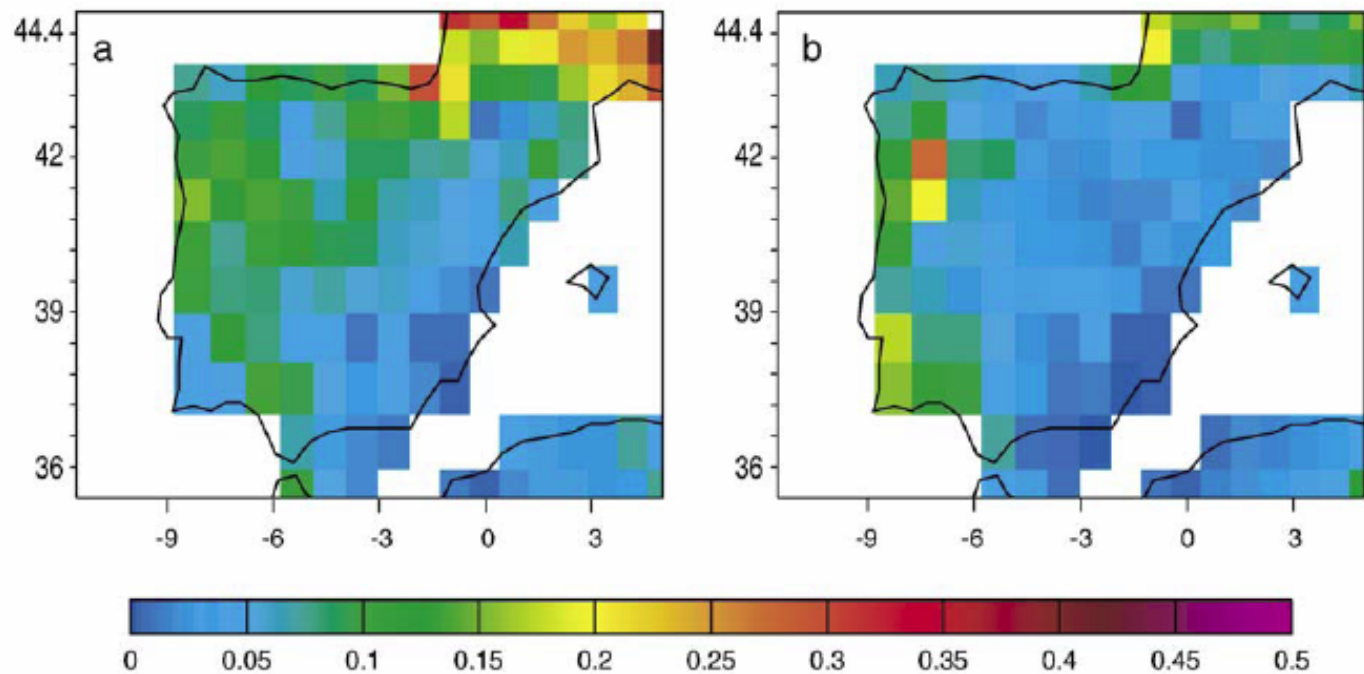
SST



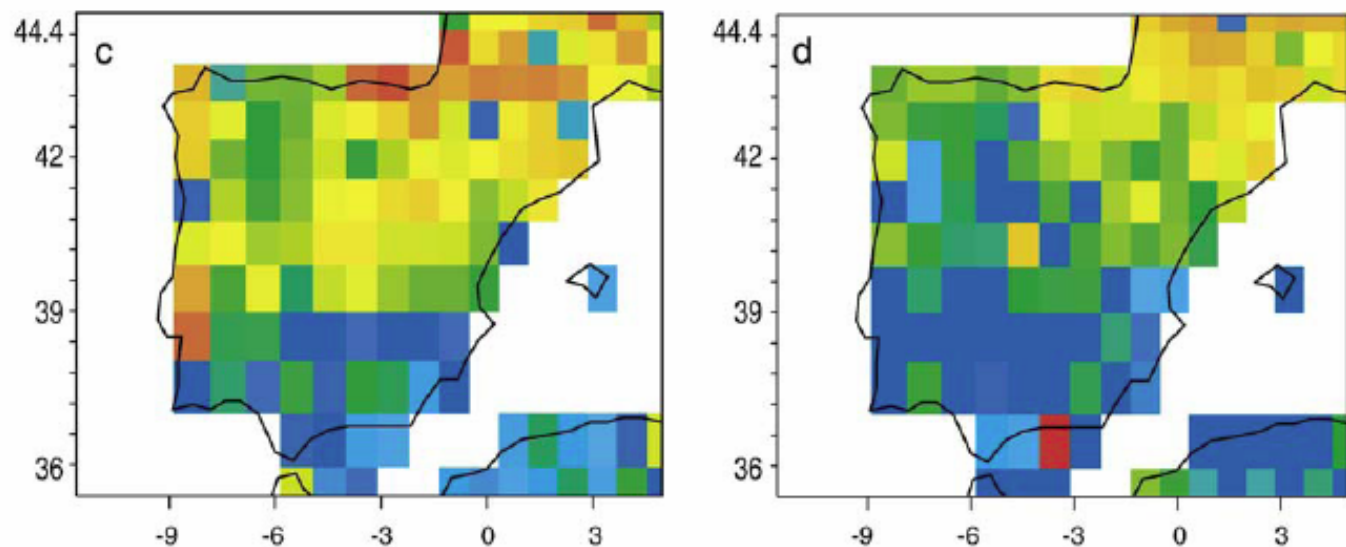
before H4

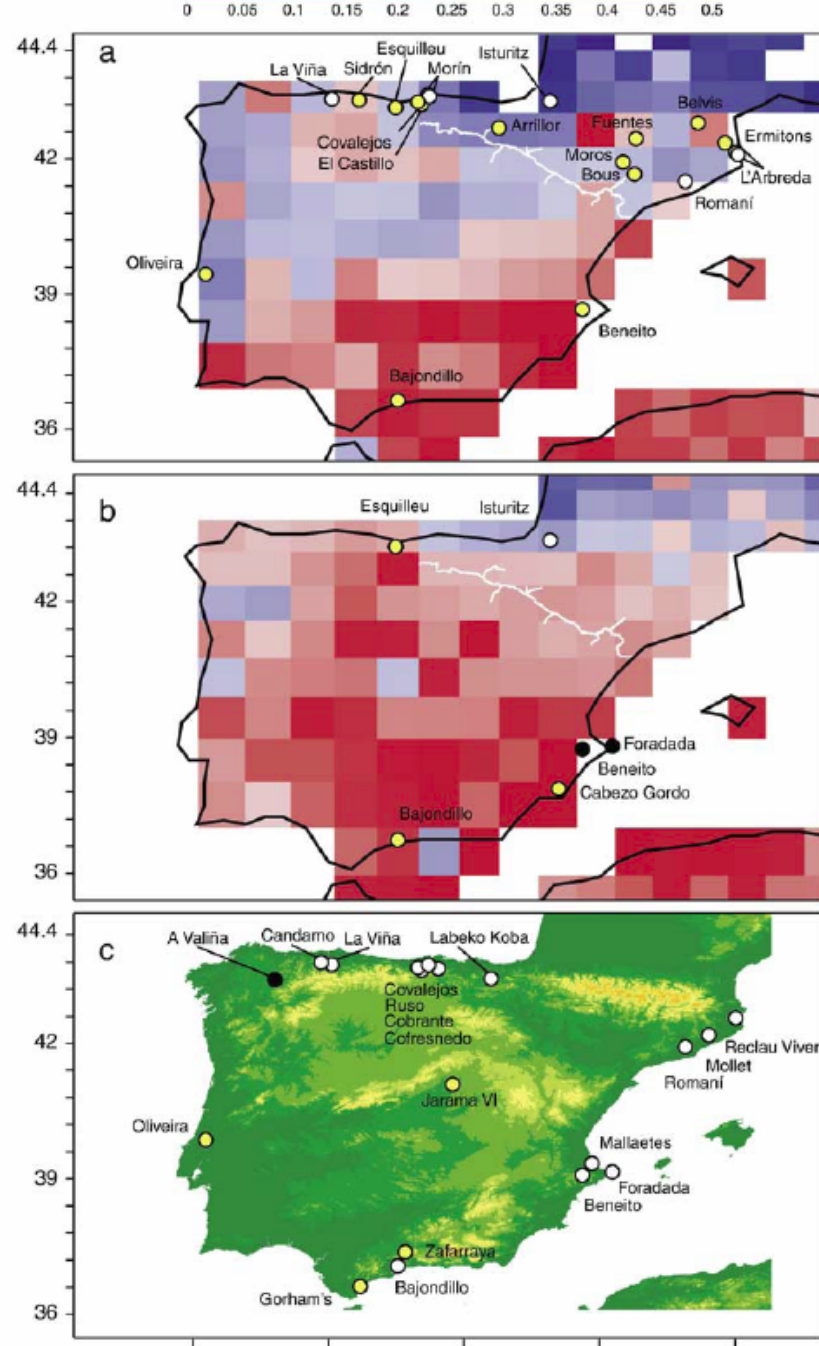
Anomaly BH4/DH4

Arboreal
vegetation



Herbaceous
vegetation



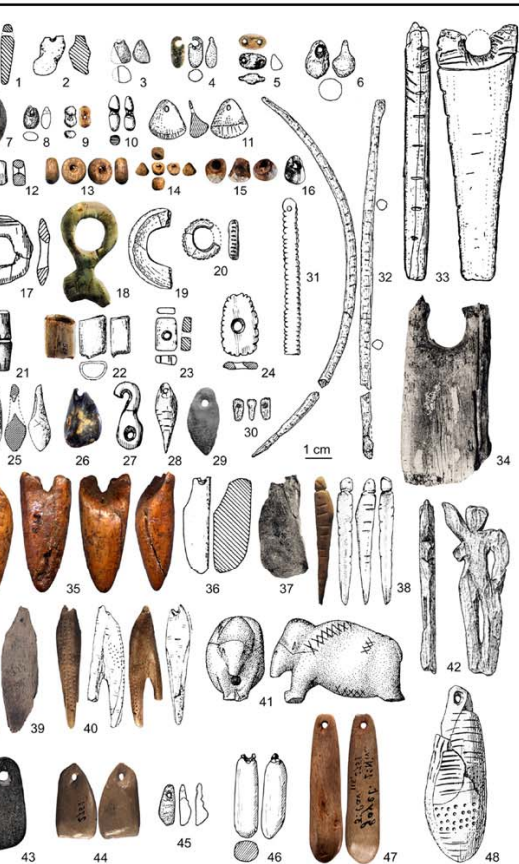




EL ENCUENTRO
neandertal - cromañón

Early Upper Palaeolithic beadtypes

manufactured beads



teeth



shells



161 types

116 sites

Seriation of the Aurignacian bead types

