

Early hominins in north-west Europe: a punctuated long chronology?

Article

Supplemental Material

Creative Commons: Attribution-Noncommercial-No Derivative Works 4.0

Hosfield, R. and Cole, J. (2018) Early hominins in north-west Europe: a punctuated long chronology? *Quaternary Science Reviews*, 190. pp. 148-160. ISSN 0277-3791 doi: <https://doi.org/10.1016/j.quascirev.2018.04.026> Available at <https://centaur.reading.ac.uk/69498/>

It is advisable to refer to the publisher's version if you intend to cite from the work. See [Guidance on citing](#).

To link to this article DOI: <http://dx.doi.org/10.1016/j.quascirev.2018.04.026>

Publisher: Elsevier

All outputs in CentAUR are protected by Intellectual Property Rights law, including copyright law. Copyright and IPR is retained by the creators or other copyright holders. Terms and conditions for use of this material are defined in the [End User Agreement](#).

www.reading.ac.uk/centaur

CentAUR

Central Archive at the University of Reading

Reading's research outputs online

Table 4: Inferred environments and key supporting evidence at Atapuerca in the Early and Middle Pleistocene (after Rodríguez et al., 2011: table 9).

Evidence	Key Patterns (Early & Middle Pleistocene)	
Small vertebrates	<ul style="list-style-type: none"> • Significant woodland component in herpetofauna • Small mammals suggest moist, open habitats 	
Large mammals	<ul style="list-style-type: none"> • All of temperate affinity • None unequivocally indicating cold or arid environments 	
Vegetation	<ul style="list-style-type: none"> • Continuous presence of Mediterranean taxa & mesic trees • One possible cold steppe landscape phase 	
Palaeotemperature (amphibian & squamate assemblages)	<ul style="list-style-type: none"> • Always warmer than Burgos today • “Cold”/“warm” period differences of only c. 2°C 	
Annual precipitation	<ul style="list-style-type: none"> • 750mm (dry)–1049mm (humid), compared to c. 570mm in present 	
Environment types	<p>Early Pleistocene</p> <ul style="list-style-type: none"> • Mediterranean open woodland • Open woodland and steppe • Open arid (?) • Open woodland and moist meadows • Temperate open woodlands and meadows with lagoons 	<p>Middle Pleistocene</p> <ul style="list-style-type: none"> • Humid temperate open woodland • Mediterranean open woodland • Moist meadows with scattered trees • Open woodland and meadows • Steppe