

This is a repository copy of First high-resolution multi-proxy palaeoenvironmental record of the Late Glacial to Early Holocene transition in the Ría de Arousa (Atlantic margin of NW Iberia).

White Rose Research Online URL for this paper: http://eprints.whiterose.ac.uk/147070/

Version: Published Version

Article:

García-Moreiras, I, Cartelle, V orcid.org/0000-0002-8894-7172, García-Gil, S et al. (1 more author) (2019) First high-resolution multi-proxy palaeoenvironmental record of the Late Glacial to Early Holocene transition in the Ría de Arousa (Atlantic margin of NW Iberia). Quaternary Science Reviews, 215. pp. 308-321. ISSN 0277-3791

https://doi.org/10.1016/j.guascirev.2019.05.016

© 2019, Elsevier Ltd. This manuscript version is made available under the CC-BY-NC-ND 4.0 license http://creativecommons.org/licenses/by-nc-nd/4.0/.

Reuse

This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: https://creativecommons.org/licenses/

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



Table 1 Radiocarbon dates and pollen-inferred ages for core A14-VC15. All radiocarbon dates were obtained from shells using AMS Standard dating methods (Beta Analytic Laboratory, Florida, USA) and calibrated using the calibration curve MARINE13.14C (Reimer et al., 2013) by applying a local marine reservoir correction of $\sigma R = -7 \pm 90$ (Reimer and Reimer, 2001).

Label	Mean depth (cm)	Method	¹⁴ C age (a BP)	Calibrated age (cal a BP) 95%	Comments
vi	0.5	Surface sample		-60	
VC15-7	31	¹⁴ C dating	4670 ± 30	4687–5236	
VC15-6	49.5	¹⁴ C dating	8740 ± 40	9145–9599	
VC15-5	81.5	¹⁴ C dating	9140 ± 30	9622-10168	
VC15-4	108.5	¹⁴ C dating	9890 ± 30	10,621–11,109	Outlier (probably reworked)
VC15-3	121.5	¹⁴ C dating	9590 ± 30	10,232–10,683	
VC15-2	154.5	¹⁴ C dating	9770 ± 40	10,470–11,014	
iii	165	Pollen stratigraphy		11,500–11,300	The onset of the 11.4 ka event (Iriarte-Chiapusso et al., 2016)
ii	210	Pollen stratigraphy		12,926–12,534	The onset of the Younger Dryas (Muñoz Sobrino et al., 2013)
VC15-1	277.5	¹⁴ C dating	12510 ± 40	13,752–14,258	
i	310	Pollen stratigraphy		14,400–14,100	The onset of the Dryas-II (Muñoz Sobrino et al., 2013)