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Result of ^{14}C dating of macrofossils from Veurne, West-Vlaanderen, Belgium. (p 2811)

Pre-treatment of macrofossil samples:

1. 1 % HCl is added (10 h, just below the boiling point) (carbonates are removed).
2. 0.5 % NaOH is added (1 h, 60 °C). The soluble part is precipitated by addition of concentrated HCl. The precipitate, which mainly consists of humus material, is washed, dried and referred to as fraction SOL. The insoluble fraction, referred to as INS, is mainly consisting of the original organic material, and should therefore provide the most reliable age. Influence of contaminants could be obtained from the SOL fraction.

Prior to the accelerator determination of the ^{14}C -content, the washed and dried material, acidulated to pH 4, is combusted to CO_2 which is graphitised using a Fe-catalyst reaction. In the pre-sent investigation fraction INS has been dated.

RESULT

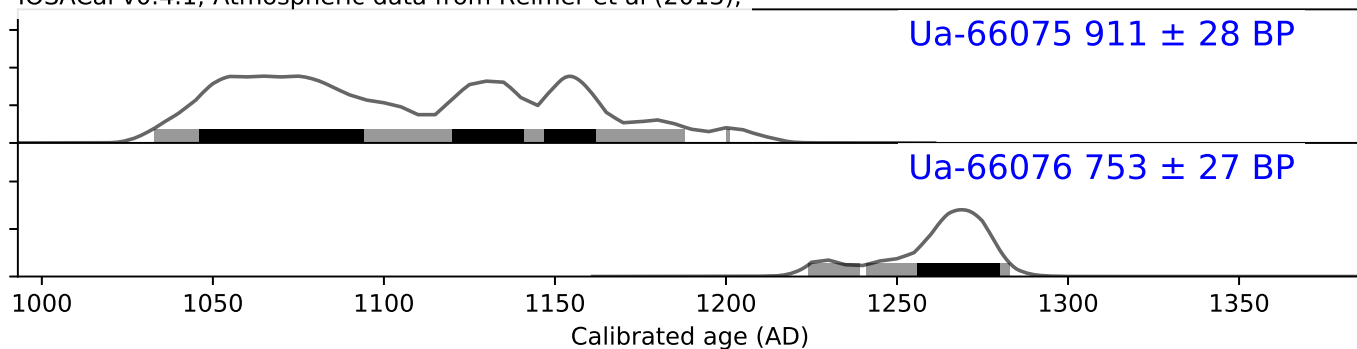
Labnumber	Sample	$\delta^{13}\text{C}\text{‰ V-PDB}$	^{14}C age BP
Ua-66075	VEULD_S4005_M9	-23.3	911 ± 28
Ua-66076	VEULD_P5.1_M13	-25.2	753 ± 27

Kind regards

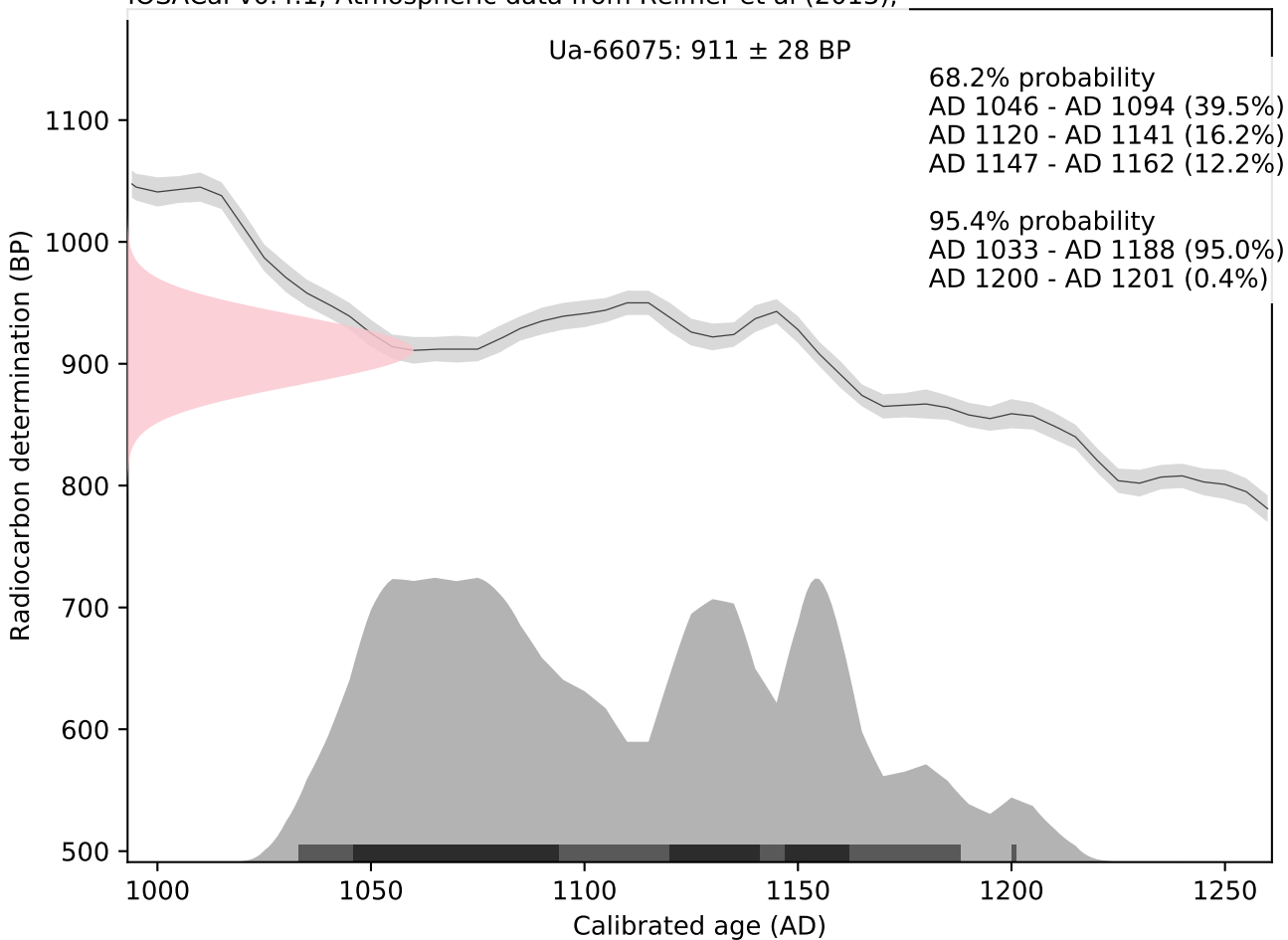
Karl Håkansson / Melanie Mucke

Kalibreringskurvor

IOSACal v0.4.1; Atmospheric data from Reimer et al (2013);



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