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Result of ^{14}C dating of macrofossil from A-22.0352, Gistel, West-Vlaanderen, Belgium. (p 4995)

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 determination of the ^{14}C -content in the accelerator, the washed and dried material, acidulated to pH 3, is combusted to CO_2 which is graphitised using a Fe-catalyst reaction. In the present investigation fraction INS has been dated.

RESULT

Lab number	Sample	$\delta^{13}\text{C}\text{‰ V-PDB}$	^{14}C age BP
Ua-77729	A-22.0352_M11	-23.5	957 $\pm$ 29

Kind regards

Maximilian Schmidt
2023.03.30
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Calibration curves

