



Ocean Circulation and Climate Dynamics Colloquium

Monday 16.02. 11:00 am

Room 5-1.214



Dr. Martin Butzin **Marine radiocarbon simulations for the past 50,000 years**

The oceans are the largest reservoir of radiocarbon (^{14}C), which is the most important dating tool for the last 50,000 years. Observations of dissolved ^{14}C are a benchmark for ocean circulation models and are often used to infer present and past states of ocean ventilation. In my talk I will give an introduction to the marine ^{14}C cycle and its modelling. One focus will be on the simulation of marine ^{14}C archives at the sea surface, which are (still) important ingredients of the atmospheric IntCal ^{14}C calibration curves that form the backbone of ^{14}C dating.



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