

Geowissenschaftliches Kolloquium

Was calcification of reef corals during the Neogene lower than today?

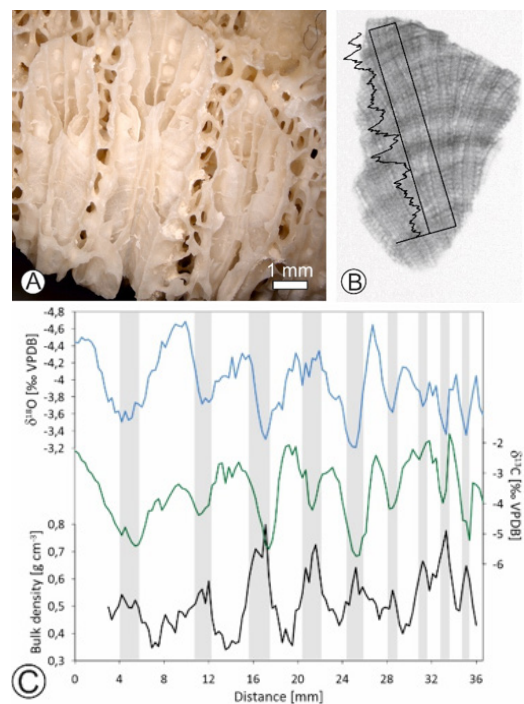
Donnerstag, 9. Januar 2020 - 16.15 Uhr

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Anthropogenic greenhouse gas emissions increasingly threaten tropical shallow-water coral reefs by raising sea surface temperatures and reducing seawater pH – a fatal development for coral biomineralization. In this light, it has been speculated that reef crises that occurred during some hyperthermals in the geological past may serve as analogues to predict the future of coral reefs under ongoing global warming and ocean acidification. The talk will present the first data on reef coral calcification from a super-greenhouse world of the early Cenozoic and discuss their meaning for the future of coral reefs.



Thomas Brachert received his PhD from Erlangen University (Germany). His principal research interest is the carbonate sedimentology and paleoecology of reefs and shallow water carbonates. Since 2008, he is working as a Professor at the Geophysics and Geology department of the University in Leipzig.



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