

A global perspective on microbial activity in marine sediments

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Microorganisms have been found throughout marine sediments. Little is known about what reactions these organisms are catalyzing or at what rate they are active. As a result, the influence that microorganisms have driving global element cycles in a significant fraction of Earth's habitable volume is poorly understood. In this presentation, I will describe recent modeling work that is designed to quantify what microorganisms are doing and how fast they're doing it in energy-limited marine sediments on a global scale.