

GEOTRACES

MONTHLY ONLINE SEMINAR

shared theme, cross generation, cross region

Organised by:



seminar #5

Biogeochemical Cycling of Redox-Sensitive Metals in Oxygen Minimum Zones

September 29, 2026 @ 15:00 CEST

By Zoom:



Meeting ID: 636 5773 3493

Passcode: 651026

<https://geomar-de.zoom.us/j/63657733493?pwd=6Uman0pQaKQ56P9SkXoUfz55XqqO7a.1>



Prof. James W Moffett
Professor at the
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The dynamics of cross-shelf transport in eastern boundary regimes

Continental margins are an important source of trace elements and isotopes to the interior of ocean basins involving a combination of benthic fluxes, fluvial sources and physical processes. The analysis of multiple isotope tracers and metals within GEOTRACES, combined with Regional Ocean Modeling System (ROMS) models have provided critical insight into cross-shelf transport.

Organic complexation of dissolved manganese(III) in hypoxic coastal waters

In this talk, I will highlight advancements in the characterization of the organic manganese (Mn) pool and discuss how differing oxygen regimes impact the stabilization of dissolved Mn(III) in the Gulf of Mexico.



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