

GEOTRACES

MONTHLY ONLINE SEMINAR

shared theme, cross generation, cross region

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seminar #3

Atmospheric aerosol deposition to the global ocean

June 30, 2026 @ 15:00 CEST

By Zoom:



Meeting ID: 636 5773 3493

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Prof. Clifton Buck
University of Georgia

Aerosols as a source of trace metals to the open ocean

“Particles carried through the atmosphere link the land and open ocean beyond the influences of rivers and the continental shelf. The importance of atmospheric deposition depends on particle composition and size, atmospheric processing, and flux. Accurately assessing this process is uniquely challenging, and current knowledge gaps hamper our understanding of marine biogeochemical cycles.”

Atmospheric trace elements over the Southern Ocean

“In this talk, I will discuss my current work on atmospheric trace elements over the Southern Ocean. I will discuss the possible sources of atmospheric trace elements over the southern hemisphere, impact of wildfires on aerosol trace element composition and their influence on surface ocean biogeochemistry.”



Dr. Prema Piyusha Panda
Stellenbosch University