GEOTRACES

Monthly Online Seminar

shared theme, cross generation, cross region

Organised by: GEOTRACES Early-Career Scientist Committee

seminar #8

Working backwards: How do we know a paleo-proxy works?

December 15, 2026 @ 15:00 CET

By Zoom:

Meeting ID: 636 5773 3493
Passcode: 651026
https://geomar-de.zoom.us/j/63657733493?pwd=6Uman0pQaKQ56P9SkXoUfz55XqqO7a.1



Dr. Tristan Horner
WHOI, USA

What the modern ocean can tell us about Earth's past

In this talk, I will revisit the third theme of GEOTRACES–developing proxies for past change–and explore how modern trace-element and isotope distributions inform what we can reliably reconstruct about Earth's past.

Beryllium isotopes in ice-marginal sediments: what are we measuring?

In this talk, I will outline uses for sedimentary beryllium in ice-marginal settings (e.g. melt, circulation). But every proxy interpretation is built on method-related assumptions, so I will discuss their limits and key open questions.



Dr.Matthew Jeromson
University of Canberra, Australia