GEOTRACES

Monthly Online Seminar

shared theme, cross generation, cross region

Organised by: GEOTRACES Early-Career Scientist Committee

seminar #7

Sediment-Water Interface Processes & Boundary Exchange

November 24, 2026 @ 15:00 CET

By Zoom:

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



Prof. Dr. Florian Scholz
University of Hamburg
Germany

Sediment-Seawater Interactions and Boundary Exchange: Scaling up from Local to Global Scale

In this talk, I will review current approaches for upscaling benthic iron fluxes and discuss the key challenges in extending these approaches to other elements, accounting for additional biogeochemical processes, and representing diverse oceanographic settings, including high-latitude regions and the deep sea.

The supply of iron and silicon from glaciated bay and fjord sediments at the West Antarctic Peninsula

In this talk, I will show recent work demonstrating the drivers of silicon and iron supply from Antarctic coastal sediments to the overlying water column, with discussion of the role of glaciers and continued glacier retreat upon this process.



Dr. Rhiannon Jones
British Antarctic Survey, UK