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Department of Marine Sciences
Presents a Seminar by

Taylor Maavara
Yale University

Worldwide nitrous oxide emissions from inland waters

Nitrous oxide (N₂O) is the third most concentrated greenhouse gas in the atmosphere, but has nearly 300 times the warming potential of carbon dioxide, and is an ozone depleting gas. In this talk, I will present results from global-scale models that estimate nitrous oxide emissions from rivers, reservoirs, estuaries and lakes, as well as discuss the magnitude of these emissions in the context of IPCC estimates from the 5th and 6th Assessment Reports. I will put our emissions estimates in the context of the rest of the global nitrous oxide cycle, and discuss how global N₂O emissions are changing over time from a variety of sources.

Host: Frank Bohlen

Time & Date: 11:00 am, Friday, November 5, 2021

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