



SCHOOL OF AQUATIC AND FISHERY SCIENCES
UNIVERSITY OF WASHINGTON

2026 Spring Seminar Series

June 4, 4:00PM

Thursday (Th) (FSH 107)

Global Trends in Marine Biodiversity

Will Patrone, Matheus de Barros, Terrance Wang

School of Aquatic and Fishery Sciences, University of Washington

There is growing concern that declines in marine biodiversity threaten the oceans' ability to produce essential ecosystem services. Here, we synthesize global marine biodiversity trends of major taxa to determine whether we are truly seeing a biodiversity crisis. We further examine the primary threats to marine biodiversity and their impacts. Accurately characterizing which taxa are declining and why is imperative for designing effective conservation strategies. This work was led by Ray Hilborn through a FISH 513 graduate seminar class with multiple SAFS students involved in the project.

Will Patrone, Matheus de Barros, and Terrance Wang are graduate students at UW SAFS. Their work includes stock assessment, fisheries management, and ecosystem and population-level modelling. Generally, they look to apply quantitative modelling techniques to better understand marine ecosystems and their pressures. Will is advised by André Punt; Matheus is advised by Trevor Branch, and Terrence is co-advised by Ray Hilborn and André Punt.

Accommodation requests related to a disability or health condition should be made before the event by contacting sjon Wittouck, Assistant Director, Facilities for SAFS: 206-616-8552/wittouck@uw.edu.

Photo: Heather Nibert, SAFS, UW

