



Let's talk about Ocean & Climate

📅 12 June 2025 – 10:30 am - 1:30 pm CEST

📍 Inspire Area – European Digital Ocean Pavilion

🌐 United Nations Ocean Conference 2025

Abstract

Ocean Acidification

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Ocean acidification has been one of the nine planetary boundaries since the framework's inception. However, the ocean acidification community felt there could be improvements to the boundary definition, as well as more exploration of what parameters and impacts are accounted for in the assessment. Over the past year, a refinement to the ocean acidification has been developed and published by Findlay et al. (2025), that reflects more scientifically robust boundary uncertainties; takes a regional approach to assessing the state of the ocean; and further looks at changes in the sub-surface by extending the assessment from the surface to 200 m. The developments also include additional biological indicators, which are examples that can be explored further in future work. Here we layout these changes as well as discuss additional gaps, and further work required to integrate oceans more broadly into the planetary boundary framework.

