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**Community Earth
System Model**

Biogeochemistry Working Group Agenda 31st Annual CESM Workshop June 17th, 2026

Wednesday, June 17th, 1 - 4 pm

** All times are MST; **Speakers:** 18 min talk. Please leave 3 min at the end of your slot for questions.*

Time	Topic	Speakers	Organization
13:00	Welcome and overview of talks	Kristen Krumhardt	NCAR
13:00	Impacts of acidification on marine ecosystems and biogeochemical cycles.	Shanlin Wang	Xiamen University
13:18	Regional Ocean Iron Fertilization Efficacy: Phytoplankton Dynamics and Carbon Feedback in CESM	Riyanka Roy Chowdhury	NCAR
13:36	Biogeochemical Feedbacks on Ocean Alkalinity Enhancement: Insights from MOM6-MARBL and MOM6-COBALT	Rui Jin	University of Washington
13:54	Potential impacts of Arctic marine cloud brightening on marine ecosystems	Courtney Payne	University of Colorado
14:12	Examining the potential of clay mineral spraying on surface ocean in removing atmospheric CO ₂	Priyanka Banerjee	Dartmouth College
14:30	Break		
15:00	Adaptation and Response of Diatoms in the Labrador Sea: Late Twentieth versus Early Twenty-first Centuries	Christopher Wrenn **	University of Hawaii
15:18	A Comparison of Regional Climate Changes under Net Zero and Net Negative Emissions	Charlie Koven	LBNL
15:36	Source or Sink? Solar Radiation Management and Future Ocean Carbon Uptake	Holly Olivarez	NOAA/UCAR
15:54	Discussion/extra time for questions		
16:00	Adjourn		

Posters

	Determining the Best Estimate of the Terrestrial Source Dissolved Organic Carbon in the Marine DOC Reservoir	James Lin	University of New Hampshire
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