

Marine Carbon Dioxide Removal Standing Committee: Meeting 2

September 15, 16, 17, 18

Virtual

MONDAY, SEPTEMBER 15, 2025

12:00–12:10 ET **Welcome and Introduction to the Session**

Provide high-level overview of the project and timeline and talk through the agenda.

Scott Doney, Committee Chair

12:10–1:00 ET **Ocean’s Role in Climate Mitigation**

Discussion on quantifying the ocean’s natural carbon sink, the demand for mCDR and the global constraints of mCDR. 15 minutes each, followed by discussion with the committee.

Part 1: Ocean Carbon Sink:

Tim DeVries, UC Santa Barbara

Part 2: Integrated Assessment Modeling:

Andres Clarens, University of Virginia

Nico Bauer, Potsdam Institute for Climate Impact Research

1:00–2:15 ET **State of Monitoring, Reporting, and Verification for Carbon Removal**

Discussion on MRV efforts, through both observation and modeling, to quantify carbon removed through open-ocean CDR approaches. 10 minutes each, followed by discussion with the committee.

Matt Long, [C] Worthy

Grace Andrews, Hourglass Climate

Frauke Kracke, Stripe/Frontier

Jing He, Isometric

2:15 – 2:30 ET **BREAK**

2:30 – 3:30 ET **A snapshot of recent advances in the field of mCDR**

A chance to highlight some approaches that are new to the scene or that have advanced and inform the “State-of-the-Science” discussion. Please refer to [Meeting 1](#) for additional updates specific to Ocean Alkalinity Enhancement; and please join us on the September 17th for a deeper dive into some of the mesocosm and field trials.

This session includes 5-minute lightning talks followed by discussion with the committee.

Electrochemical Removal, Gaurav Sant, UCLA and Equatic

Nutrient Fertilization, Ken Buesseler, WHOI and ExOIS

Seaweed Cultivation, Kristen Davis, Stanford

Blue Carbon OAE – Peter Raymond, Yale Center for Natural Carbon Capture

Green Shipping / Enhanced Weathering - Jess Adkins, Calcarea

Enhanced Weathering – Stephen Romaniello, Vesta

Wastewater Treatment –Noah Planavsky, CREW Carbon

Biomass Sinking – Morgan Raven, UCSB, Carboniferous

TUESDAY, SEPTEMBER 16, 2025

12:00 – 12:01 ET **Welcome and Introduction to the Session**
Scott Doney, Committee Chair

12:01–1:00 ET **State of mCDR policy and permitting**

Discussion on the current state of mCDR policy; within national and international spaces, what progress has been made and what future research is needed to develop policy that will enable responsible mCDR research to take place. 10 minutes each followed by discussion with the committee.

Wil Burns, American University

Jessica Stignant, Solid Carbon, Ocean Networks Canada

Navraj Singh Ghaleigh, University of Edinburgh

Kevin Travis, California Ocean Science Trust

1:00–2:00 ET **Social Perceptions of mCDR**

Discussion on where things currently stand with public perceptions of mCDR; what are lessons learned over the past few years and what are the most urgent research needs.

Christine Merk, Kiel Institute for the World Economy

Sara Nawaz, American University & University of British Columbia

2:00–3:30 ET **Closed Session**

WEDNESDAY, SEPTEMBER 17, 2025

12:00 – 12:01 ET **Welcome and Introduction to the Session**
Scott Doney, Committee Chair

12:01–2:00 ET **Discussion on Mesocosm and Field Trials**

Discussion on the design of mesocosm and field trials (observation requirements, modeling requirements), how to engage the community prior to field trials, and assessment of efficacy and environmental impacts.

Aaron Ferderer, National Oceanography Centre

Jaime Palter, University of Rhode Island

Will Burt, Planetary

Mallory Ringham, Ebb Carbon
Adam Subhas, LOC-NESS, Woods Hole Oceanographic Institution

2:00 – 3:30 ET **Closed Session**

THURSDAY, SEPTEMBER 18, 2025

12:00 – 12:01 ET **Welcome and Introduction to the Session**
Scott Doney, Committee Chair

12:01 – 1:30 ET **Additional global perspectives on mCDR**
Discussion on additional international efforts, future plans, and current challenges regarding the advancement of mCDR or mCDR research.

Helen Findlay, Plymouth Marine Laboratory
Jiao Nianzhi, Xiamen University, Global ONCE Programme
Chris Pearce, National Oceanography Center, SeaO2-CDR
Phil Boyd, University of Tasmania

1:30 – 1:40 ET **Coastal Blue Carbon Lightning Talk**
Peter Macreadie, Blue Carbon Lab

1:40 – 3:30 ET **Closed Session**

3:30pm ET **MEETING ADJOURNED**