

Marine Carbon Dioxide Removal (mCDR) policy – Science Policy Initiative panel

mCDR – From Research to Responsible Implementation

Panel at MIT, Friday April 4th, 2025

Co-sponsored by the MIT-WHOI Joint Program in Oceanography/Applied Ocean Science and Engineering

Schedule: [RSVP here](#)

Lunch: 12-1pm, Building 55 Atrium (ground floor), *then 30-min break for panel room setup*

Panel: 1:30-2:30pm, Building 55, Room 108/109/110 (rooms are all connected)

Post-panel reception with light refreshments, 2:30-3:30pm, Building 55 Atrium (ground floor)

- **MIT students, post-docs, faculty, staff, and affiliates are invited to attend.**

Event summary:

Our ocean is the Earth's largest carbon sink, and therefore has a tremendous capacity to buffer the effects of anthropogenic climate change. Marine Carbon Dioxide Removal (mCDR) is an emerging field aiming to enhance the ocean's ability to absorb excess greenhouse gas emissions. Participation from academia, government and industry are needed to responsibly and effectively carry out this negative emissions climate solution. The discussion with panelists will touch on topics including: How do you rapidly build a responsible governance ecosystem amid emerging cutting-edge research? What does collaboration between diverse stakeholders look like, and what are points of tension between parties? How is this governed by the federal government, and how does this interact with international laws? What is the process of writing legislation for scientific innovation?

Panelists:

- **Dr. Adam Subhas:** Dr. Subhas is an Associate Scientist at Woods Hole Oceanographic Institution (WHOI) and is the leader of LOC-NESS, a research program studying ocean alkalinity enhancement, a form of mCDR aiming to leverage the ocean's natural ability to take up CO₂ while also reducing ocean acidification.
 - [Lab website](#)
- **Dr. Libby Jewett:** Dr. Jewett is the former Founder and Director of the Ocean Acidification Program in NOAA Oceanic and Atmospheric Research, where she led the group for 13 years. She spearheaded the creation of NOAA's mCDR research funding program when this science gained increased attention. In addition to her PhD in Marine Science from the University of Maryland, Dr. Jewett has a Master of Public Policy from the Kennedy School of Government at Harvard.
 - [NOAA biography](#)
- **Dr. Jing He:** Dr. He is a Carbon Removal Scientist at Isometric, a carbon registry where her responsibilities include developing verification frameworks for marine carbon dioxide removal pathways and creating scientific collaborations. Dr. He obtained her PhD in Physical Oceanography from the MIT-WHOI Joint Program.
 - [Isometric Biography](#)
- **Romany Webb:** Ms. Webb is the Deputy Director of the Sabin Center for Climate Change Law at Columbia University. Her research focuses on legal tools to facilitate the responsible implementation of negative emissions technologies. She is a top expert in this field and has published books and journal articles proposing legal frameworks for mCDR implementation.
 - [Columbia University Biography](#)