

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

A Workshop on Ocean-based CDR Opportunities and Challenges
Part 3: Ecosystem Recovery & Seaweed Cultivation

February 2, 2021
12 - 4pm EST

DRAFT AGENDA

Purpose: This is the third of four workshops designed to explore the most important scientific and technical questions, as well as questions surrounding governance, needed to assess the benefits, risks, and potential scale for the responsible ocean-based carbon dioxide removal and sequestration approaches. This series of workshops is an activity in support of the NASEM Committee on A Research Strategy for Ocean-based Carbon Dioxide Removal (CDR) and Sequestration. Committee members will use this platform as one mechanism to gather information and converse with a diverse set of experts in the field, for the purpose of progressing the consensus study process.

During this workshop, we will examine opportunities and challenges associated with two ocean-based CDR approaches: **Ecosystem Recovery and Seaweed Cultivation**. Discussions will be focused on understanding the knowledge base, efficacy, scale, and viability to each approach.

**This public meeting will be recorded and posted on our project website for the duration of the study. All panelists will be provided unique IDs to log in to the Zoom meeting as speakers; a public link will be sent out to registered viewers.*

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|-----------------|---|
| 12:00 PM | Welcome and Workshop Overview
Scott Doney, Committee Chair & University of Virginia |
| 12:05 PM | Keynote: The Marine Ecosystem as a Climate Solution
Carlos Duarte, King Abdullah University of Science and Technology |
| 12:45 PM | Panel on Seaweed Cultivation: Opportunities and Challenges
Moderated by: David Siegel, University of California, Santa Barbara
<i>Each panelist will talk for 12 minutes; Q&A/Discussion will follow</i>

<u>Panelists:</u>
Marc von Keitz, Advanced Research Projects Agency-Energy
Halley E. Froehlich, University of California, Santa Barbara
Olavur Gregersen, Ocean Rainforests
Brian von Herzen, Climate Foundation
Dorte Krause-Jensen, Aarhus University |
| 2:15 PM | BREAK |
| 2:30 PM | Panel on Ecosystem Recovery: Opportunities and Challenges
Moderated by: Joe Roman, University of Vermont
<i>Each panelist will talk for 12 minutes; Q&A/Discussion will follow</i> |

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Panelists:

Trisha Atwood, Utah State University

Nick Kamenos, University of Glasgow

Andy Pershing, Climate Central

Xabier Irigoien, AZTI-Basque Research

Catherine Lovelock, University of Queensland

4:00 PM

Closing comments and Adjourn