

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

DEVELOPING A RESEARCH AGENDA FOR  
***CARBON DIOXIDE REMOVAL AND RELIABLE  
SEQUESTRATION***



# Introduction to Blue Carbon and Coastal Wetland Restoration

July 19, 2017

# Statement of Task

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- Identify the most urgent unanswered scientific and technical questions needed to:
  - assess the benefits, risks, and sustainable scale potential for carbon dioxide removal and sequestration approaches; and
  - increase the commercial viability of carbon dioxide removal and sequestration
- Define the essential components of a research and development program and specific tasks required to answer these questions
- Assess the costs and potential impacts of such a research and development program to the extent possible in the timeframe of the study
- Recommend ways to implement such a research and development program

# CDR Approaches

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- Blue Carbon
  - Charles Hopkinson, University of Georgia
  - Jim Tang, Marine Biological Laboratory
  - Tiffany Troxler, Florida International University
  - Emily Twigg, The National Academies of Sciences, Engineering, and Medicine
- Terrestrial Biosphere Sequestration
- Direct Air Capture
- Bio-energy with Carbon Capture and Storage
- Geologic Sequestration

More information: <http://nas-sites.org/dels/studies/cdr/>

# Today's Speakers

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- **Jennifer Howard**, Conservation International
- **Nick Wildman**, Massachusetts Division of Ecological Restoration
- **Fred Sklar**, South Florida Water Management District
- **Walter Meyer**, Local Office Landscape Architecture