

# Air, Land, Rock, Water

## An Overview of Carbon Dioxide Removal Pathways

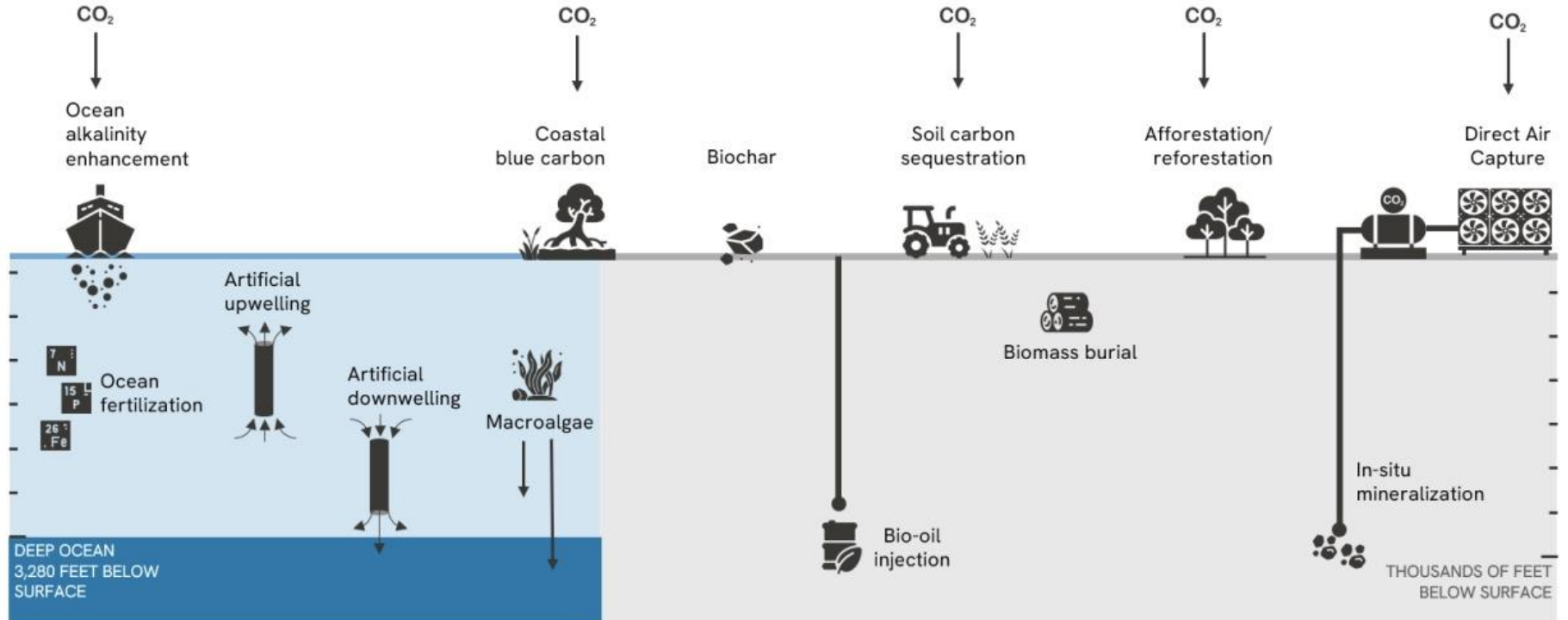
Part 2 of a 6-part webinar series on Carbon Dioxide Removal

Friday, October 18th, 10:00-11:30 am PT



# Overview of Strategies

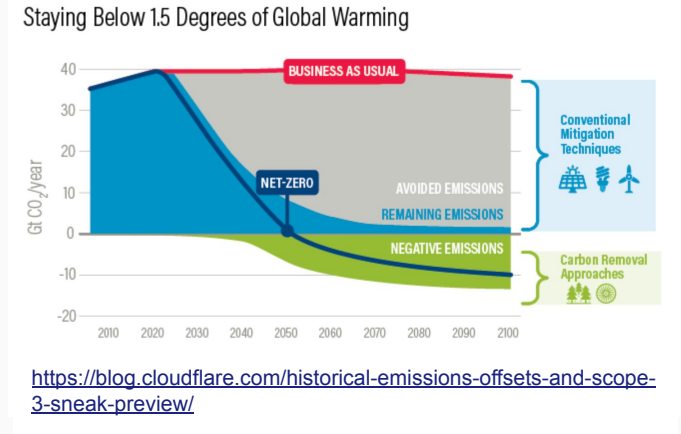
## Illustration of select CDR approaches



Source: Rhodium Group

# Why Carbon Dioxide Removal (CDR)?

- **IPCC 1.5C: cut emissions in half by 2030 AND drawdown 100-1,000 GtCO<sub>2</sub>; CDR “inevitable”**
- **CA’s AB 1279 (Muratsuchi, 2022) set state goal of carbon neutrality by 2045, with at least 85% emission reductions; leaving up to 15% CDR**
- **California’s 2022 Scoping Plan sets a goal of 7 MMT of CDR/yr by 2030 and 75 MMT/yr by 2045**



# Why CDR? *(continued)*

- **With many CDR projects in process & some in the permitting process, communities must have a critical role re: if/how these projects get developed**
- **Many CDR pathways provide necessary co-benefits for adaptation, such as biodiversity, food and water security, clean air and water, and more**



# Our shared CDR principles

- 1) Removing past climate pollution from the atmosphere is essential to stabilizing our climate
- 2) We must accelerate cutting GHG emissions and phasing-out fossil fuels
- 3) CDR is not a substitute for direct emission reductions
- 4) CDR projects should be community-centered and designed with input from communities
- 5) CDR projects must not exacerbate existing pollution and other environmental problems
- 6) Nature-based CDR is critical with its many co-benefits



# A few more notes:

1. Please use Q&A feature in Zoom to ask your questions
2. Glossary of terms: <https://cdrprimer.org/read/glossary> (also linked in chat)
3. Join us for our next webinar on November 15th from 10-11:30am PT – CDR & Communities: Learning from the Past and Planning for the Future
4. Thank you for your feedback!



# Speakers



**Asha Sharma**  
*Leadership Counsel for  
Justice and Accountability*



**Dr. Anya Waite**  
*Ocean Frontier Institute*



**Dr. Shaye Wolf**  
*Center for Biological Diversity*



**Dr. Charlotte Levy**  
*Carbon 180*



**Dr. Peter Psarras**  
*UPenn & Carbon Direct*



**Dr. Daniel Sanchez**  
*UC Berkeley & Carbon Direct*



**Dr. Charles Harvey**  
*MIT*