



Updates from CDR Mission

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CDR Mission Overview



SCOPE:

Accelerate RD&D of technological CDR approaches, including:

- Direct Air Capture
- Enhanced mineralization
- Biomass with carbon removal and storage

Emphasize long-term, secure CO₂ storage and conversion into long-lived products.

COALITION:

Co-leads – Canada, Saudi Arabia, United States

Members – Australia, European Commission, Japan, Norway, India, United Kingdom

Observers – Germany, Iceland, Bahrain, Switzerland, Costa Rica

Always open to additional members

Launched at COP-26, November 2021



Highlights

Collaboration and information sharing

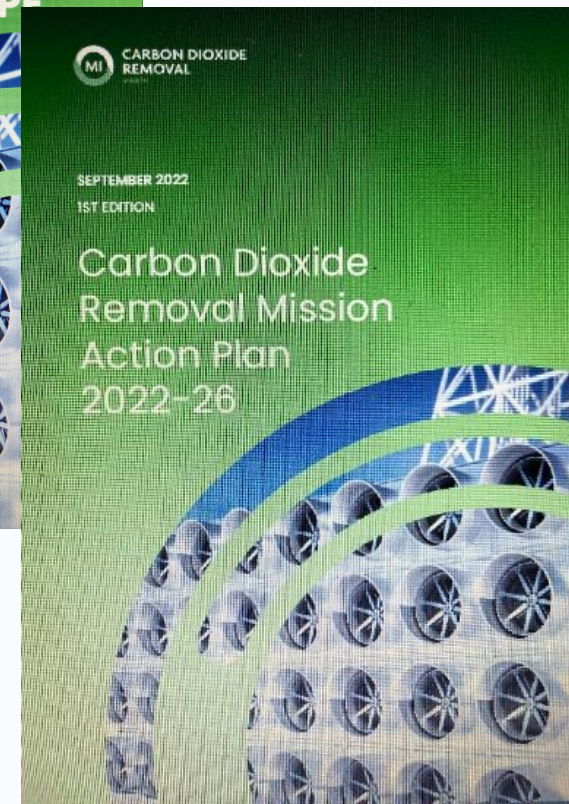
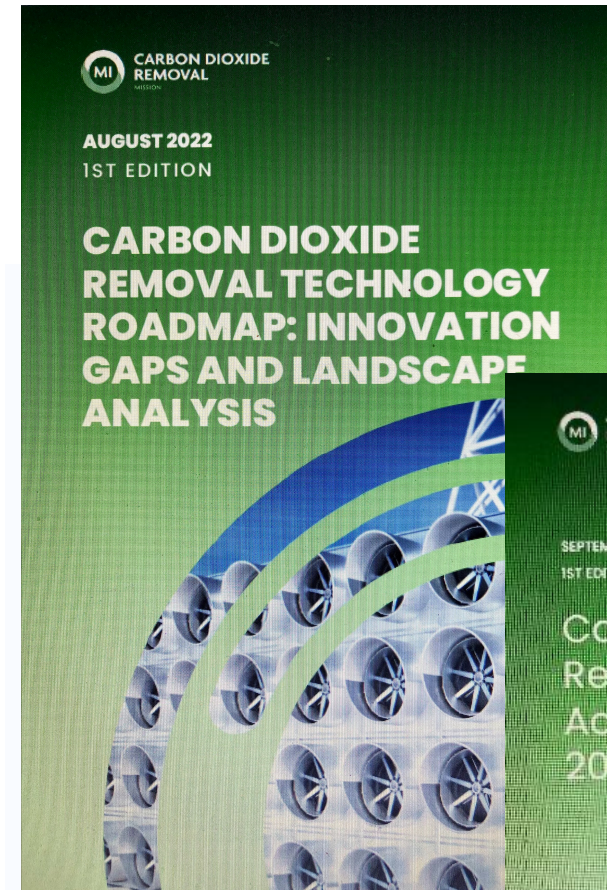
- Piloted data sharing platform
- Workshops on Life Cycle Analysis, BiCRS, Enhanced Mineralization, MRV, Mission Priority Setting

Strategic direction

- Released Roadmap and Action Plan

“Sprints”

- CDR Launchpad – September 2022 at the GCEAF
- CDR Mapping – July 2023



CDR Launchpad Overview



- Coalition of governments who have agreed to work together to accelerate the advancement of CDR technologies by investing in pilot and demo projects and sharing data and experiences
- Members include Canada, the European Commission, Iceland, Japan, Norway, the United Kingdom, and the United States



Demonstrations:

- Promote learning-by-doing cost reductions
- Help prove emerging technologies and reduce technical risk
- Provide valuable data to inform policies, and for scientists and engineers to optimize operations
- Provide examples for constructive community engagement
- Illustrate potential co-benefits, such as water production and removing hazardous pollutants

CDR Launchpad members commit to:

1. By 2025, plan to build at least one, 1,000+ tonne CO₂ per year CDR project
 - Share data and information from the projects, with the aim to advance global learning-by-doing cost reductions
2. Contribute to \$100 million collective goal by 2025 to support technological CDR demonstration projects globally
3. Provide in-kind support:
 - Support a new “CDR MRV working group”
 - Support efforts to increase CDR demand

CDR Mission Priorities for Rest of 2023



Making progress on existing sprints and initiatives

- Five active technical tracks and sprints

Measuring impact

- Develop/refine KPIs and data sources
- Set up mechanisms for tracking progress

Maximizing opportunities for strategic engagements

- Identify opportunities for working with private sector
- Take advantage of synergies between missions and initiatives

Expanding on momentum

- Assess needs and develop actions for MRV working group
- Launch new sprint(s) and/or reports
- Maintain political support



<http://mission-innovation.net/missions/carbon-dioxide-removal/>

Thank you

