



Climate Engineering Newsletter for Week 38 of 2021



Upcoming Events

- (new) 20.09.2021, Webinar: Cutting Edge Carbon: A Virtual Panel on Carbon Dioxide Removal Innovations (The Linden Trust for Conservation), online
- 21.-22.09.2021, Conference: 1st Annual Conference on Carbon Removal Law and Policy, online
- (new) 21.09.2021, Event: Geologic Sequestration of CO₂: Overview and Opportunities in New York (Openair), online
- 21.09.2021, Webinar: C2ES: Scaling Carbon Dioxide Removal: Limitations and Potential, online
- (new) 21.-24.09.2021, Event: The Politics of Climate Engineering: Actors, Arenas, Timescales, Leiden, Netherlands
- 22.09.2021, Webinar: Implementation and Engineering: SRM, online
- (new) 23.09.2021, Event: A Market For Carbon Removal (Carbon Cure), online
- (new) 23.09.2021, Event: From talk to action: how companies can drive real climate solutions (Watershed), online
- (new) 28.09.2021, Webinar: Carbon Virtual Summit 2021 – The Road to Zero, towards more Denmark-US collaboration on Carbon Removal (State of Green), online
- (new) 28.09.2021, Webinar: Negative emissions and net zero: how do technologies for carbon dioxide removal measure up? (CCUS Projects Network), online
- 30.09.2021, Event: Foundation for Climate Restoration: Third Annual Climate Restoration Forum, online
- 04.-08.10.2021, Conference: Climate Engineering in Context 2021, online
- 12.-14.10.2021, Event: CCUS 2021, online
- 18.-22.10.2021, Event: IMBIZO 6: Marine Biosphere Research: Buoyant Solutions for Ocean Sustainability, online
- 19.-21.10.2021, Conference: PCCC-6, online
- 20.-21.10.2021, Conference: Carbon Capture Technology Expo Europe, Bremen / Germany
- 20.-21.10.2021, Conference: Hydrogen Technology Expo Europe, Bremen / Germany
- 01.-12.11.2021, Conference: COP26, Glasgow / UK
- 04.-07.11.2021, Conference: Negative Emissions Science (scialog), AZ / USA
- (new) 04.-05.11.2021, Event: The Annual Meeting of Finnish Geographers 2021, Oulu/ Finland
- (new) 09.12.2021, Event: "Mapping the Carbon Removal Community of Practice" AGU 6-hour scientific workshop, Online
- 13.-17.12.2021, Conference: AGU Fall Meeting 2021, New Orleans, LA / USA & online
- (new) 23.-27.10.2021, Event: 16th Greenhouse Gas Control Technologies Conference, Lyon/ France



Calls & Deadlines

- 24.09.2021, Call for Applications: Ocean Visions Launchpad
- (new) 30.09.2021, FYI: Pre-registration to the CEC21 conference now open
- 30.09.2021, Call for Abstracts: Enhanced Weathering and Synergistic

Combinations with Other CDR Methods (Frontiers Research Topic)

- [18.10.2021](#), Call for Applications: FY 2022 Notice of Funding Opportunity
- [31.10.2021](#), Call for Papers: Frontiers: Research Topic: Harmonizing Life Cycle Analysis (LCA) and Techno-Economic Analysis (TEA) guidelines
- [\(new\) 09.01.2022](#), Call for Abstracts: 16th Greenhouse Gas Control Technologies Conference
- [31.07.2022](#), Call for Submissions: Special Issue "Resolving uncertainties in solar geoengineering through multi-model and large-ensemble simulations" (ACP/ESD inter-journal SI)
- [No Deadline](#), Call for Proposals: Climate Vault Request for Information (RFI)
- [No Deadline](#), Call for Submissions: Stripe Climate: Fall 2021 Carbon Removal Purchase



Jobs

- [\(new\) 22.10.2021](#), Job: Research Associate Zoology (University of Oxford)
- [\(new\) \(no deadline\)](#), Job: Software Engineer (Charm)
- [\(new\) \(no deadline\)](#), Job: Mechanical Engineer (Charm)
- [\(no deadline\)](#), Job: Associate Director, Industry (Climateworks Foundation)
- [\(no deadline\)](#), Job: Program Associate, Carbon Dioxide Removal (Climateworks Foundation)
- [\(no deadline\)](#), Job: Postdoctoral Fellow (Direct Air Capture System Design & Analysis) (Berkeley Lab)
- [\(no deadline\)](#), Job: Regional Land / Estates Manager (Remote with some UK travel) (The Future Forest Company)
- [\(no deadline\)](#), Job: Software Engineer (Carbon Chain)
- [\(no deadline\)](#), Job: Data Scientist (Carbon Chain)
- [\(no deadline\)](#), Job: Lead Controls Engineer (Heirloom)
- [\(no deadline\)](#), Job: Founding Chemical Engineer (Noya)
- [\(no deadline\)](#), Job: Founding Mechanical Engineer (Noya)
- [\(no deadline\)](#), Job: Forest Carbon Scientist (Carbon Direct)
- [\(no deadline\)](#), Job: President & Chief Executive Officer (International CCS Knowledge Centre)
- [\(no deadline\)](#), Job: Field Engineer (Carbon Cure)
- [\(no deadline\)](#), Job: Research Engineer (Carbon Cure)



Publications

- [Zhang, Xiaoyu; et al. \(2021\)](#): High-Performance Binary Mo–Ni Catalysts for Efficient Carbon Removal during Carbon Dioxide Reforming of Methane
- [Tang, Wei; et al. \(2021\)](#): Widespread phytoplankton blooms triggered by 2019-2020 Australian wildfires
- [Akimoto, Keigo; et al. \(2021\)](#): Climate change mitigation measures for global net-zero emissions and the roles of CO₂ capture and utilization and direct air capture
- [Heyen, Daniel; Lehtomaa, Jere \(2021\)](#): Solar Geoengineering Governance: A Dynamic Framework of Farsighted Coalition Formation
- [Pritchard, Rose \(2021\)](#): Politics, power and planting trees
- [Bradfer-Lawrence, Tom; et al. \(2021\)](#): The potential contribution of terrestrial nature-based solutions to a national 'net zero' climate target
- [Coleman, Eric A.; et al. \(2021\)](#): Limited effects of tree planting on forest canopy cover and rural livelihoods in Northern India
- [O'Lear, Shannon; et al. \(2021\)](#): Environmental Geopolitics of Climate Engineering Proposals in the IPCC 5th Assessment Report
- [Austin, Maura M.K.; Converse, Benjamin A. \(2021\)](#): In search of weakened resolve: Does climate-engineering awareness decrease individuals' commitment to mitigation?



Political Papers

(no new political papers)



Projects

- [Project](#): High-efficiency, Low-cost, Additive-manufactured Air Contactor (Creare)
- [Project](#): Wind-Driven Direct Air Capture System Using 3D Printed, Passive, Amine-loaded Contactors (Georgia Institute of Technology)
- [Project](#): Electrochemical Direct Air Capture of CO₂ using Redox-active Textiles (University of Michigan)
- [Project](#): Flexible Carbon Capture and Storage Modeling (Kleinman Center for Energy Policy)
- [Project](#): Indirect Carbonation of Alkaline Waste (Kleinman Center for Energy Policy)
- [Project](#): State Mapping Study (Kleinman Center for Energy Policy)
- [Project](#): Oxide Looping for Direct Air Capture (Kleinman Center for Energy Policy)
- [Project](#): Carbfix Atlas



Selected Media Responses

- [Merkur.de](#): From Die Grünen to AfD: What goals do political parties have for the climate and by what means do they plan to achieve them? (German)
- [The Times](#): Geoengineering by Gernot Wagner review — a new, quick way to avert a climate catastrophe?
- [Foundation for Climate Restoration](#): The 3 Pillars of Climate Restoration
- [Video](#): Climate Now: Carbon Dioxide Removal (CDR)
- [MIT Technology Review](#): Companies hoping to grow carbon-sucking kelp may be rushing ahead of the science
- [Video](#): CNBC: Why Bill Gates Is Funding Solar Geoengineering Research
- [Global Cement](#): Aalborg Portland Cement to launch carbon capture and storage project at Rørdal cement plant in 2022
- [Gasworld](#): 'World's first' onboard CO₂ capture and storage unit for operational vessel
- [Gasworld](#): Air Liquide and TotalEnergies join forces to develop Normandy CCS project
- [Gasworld](#): Aker's partnership could see first 'sold as service' carbon capture and storage
- [The Sydney Morning Herald](#): Taylor adds carbon capture and storage to clean energy agency's plans
- [The Guardian](#): World's biggest machine capturing carbon from air turned on in Iceland
- [Gasworld](#): Aramis CCS project aims for large-scale carbon reduction
- [Upstream](#): Norway opens up two new offshore areas for carbon capture and storage
- [Euractive](#): EU plans certification scheme for carbon dioxide removals
- [The New Yorker](#): Are We Finally Ready to Tackle the Other Greenhouse Gas?
- [Anthropocene](#): Tiny chemical "nanojars" could remove carbon dioxide from lakes and oceans
- [Carbon 180](#): What to do with wood pellets? Burning issues in BECCS and forestry
- [Center for American Progress](#): To Harness the Power of the Ocean To Fight Climate Change, the Biden Administration Needs a Plan

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