



## Climate Engineering Newsletter for Week 26 of 2021



### Upcoming Events

- (new) 28.06.2021, Event: Greenhouse Gas Removal: Ethics and Governance, online
- 29.06.2021, Webinar: What policy framework to scale up negative emissions by 2030, online
- (new) 29.06.2021, CEPS event: What policy framework to scale up negative emissions by 2030?, online
- (new) 02.07., Workshop: Greenhouse Gas Removal: Nature-based and Hybrid Solutions, online
- 04.-09.07.2021, Conference: Goldschmidt2021: Session 9j: Atmospheric carbon dioxide removal by enhanced weathering to mitigate global warming, online and Lyon / France
- 07.07.2021, Event: Panel Geoengineering: Clutching at any straw or part of a solution strategy?, online
- 08.-09.07.2021, Event: Eleventh GeoMIP Workshop, online
- (new) 14.07.2021, Workshop: Refreezing the Arctic: Marine Cloud Brightening and other techniques, online
- (new) 26.07.-06.08.2021, Event: ITB-IEAGHG International Virtual Course on Carbon Capture, Utilization and Storage (CCUS), online
- 21.09.2021, Conference: 1st Annual Conference on Carbon Removal Law and Policy, online
- 04.-08.10.2021, Conference: Climate Engineering in Context 2021, online
- 19.-21.10.2021, Conference: PCCC-6, online
- 01.-12.11.2021, Conference: COP26, Glasgow / UK
- 04.-07.11.2021, Conference: Negative Emissions Science (scialog), AZ / USA
- (new) 13.-17.12.2021, Conference: AGU Fall Meeting 2021, New Orleans, LA / USA & online



### Calls & Deadlines

- 30.06.2021, PhD Opportunity: Applications Invited for PhD Scholarship in Beach-dune environments as a Nature-based Solution
- 01.08.2021, Call for Abstracts: Solar Geoengineering in the Horizon: Humanitarian Dimensions
- (new) 04.08.2021, Call for Abstracts: AGU Fall Meeting
- 30.09.2021, Call for Abstracts: Enhanced Weathering and Synergistic Combinations with Other CDR Methods (Frontiers Research Topic)
- 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)



### Jobs

- 28.06.2021, Job: Senior Research Associate (University of East Anglia)
- (new) 18.07.2021, Job: Research position (predoc or postdoc) on the ethics of marine Carbon Dioxide Removal (Kiel University)
- 23.07.2021, Job: Postdoctoral Researcher (University of Oxford)
- 23.07.2021, Job: Research Associate in the Economics of Nature-based Solutions (University of Oxford)
- 30.07.2021, Job: 3-year Post-Doctoral Position (MCC)
- (new) (no deadline), Job: Methodology Analyst/Environmental Scientist (Nori)
- (new) (no deadline), Job: Project Manager, Nature-Based Solutions (Native)
- (no deadline), Job: Strategy and Operations, Climate (stripe)
- (no deadline), Job: Strategy and Operations, Climate (stripe)
- (no deadline), Job: Agricultural Soil Carbon Scientist (Environmental Defense Fund)
- (no deadline), Job: Project Manager (Nori)
- (no deadline), Job: Hardware Lead (Heirloom)
- (no deadline), Job: Lead Calcination Engineer (Heirloom)
- (no deadline), Job: Agronomy Lead (Running Tide)
- (no deadline), Job: Senior Chemical/Process Engineer (Heirloom)
- (no deadline), Job: Program Director – Carbon Capture (ClearPath)



## Publications

- [García-Freites, Samira; et al. \(2021\)](#): The greenhouse gas removal potential of bioenergy with carbon capture and storage (BECCS) to support the UK's net-zero emission target
- [Barzagli, Francesco; Mani, Fabrizio \(2021\)](#): Direct CO<sub>2</sub> air capture with aqueous 2-(ethylamino)ethanol and 2-(2-aminoethoxy)ethanol
- [Iyer, Gokul; et al. \(2021\)](#): The role of carbon dioxide removal in net-zero emissions pledges
- [Honegger, Matthias; et al. \(2021\)](#): Potential implications of solar radiation modification for achievement of the Sustainable Development Goals
- [Ruuskanen, Vesa; et al. \(2021\)](#): Neo-Carbon Food concept: A pilot-scale hybrid biological–inorganic system with direct air capture of carbon dioxide
- [Siegel, David A.; et al. \(2021\)](#): Assessing the sequestration time scales of some ocean-based carbon dioxide reduction strategies
- [Leger, Dorian; et al. \(2021\)](#): Photovoltaic-driven microbial protein production can use land and sunlight more efficiently than conventional crops
- [Bistline, John E. T.; Blanford, Geoffrey J. \(2021\)](#): Impact of carbon dioxide removal technologies on deep decarbonization of the electric power sector
- [Dos Reis, Glaydson S.; et al. \(2021\)](#): Coupling of attrition and accelerated carbonation for CO<sub>2</sub> sequestration in recycled concrete aggregates
- [Dong, Peixin; et al. \(2021\)](#): Direct Air Capture via Natural Draft Dry Cooling Tower
- [Zickfeld, Kirsten; et al. \(2021\)](#): Asymmetry in the climate–carbon cycle response to positive and negative CO<sub>2</sub> emissions
- [Custelcean, Radu; et al. \(2021\)](#): Direct air capture of CO<sub>2</sub> with aqueous peptides and crystalline guanidines
- [Reynolds, Jesse L. \(2021\)](#): Solar Geoengineering Could Be Consistent with International Law
- [Gilmore, Elisabeth A.; Buhaug, Halvard \(2021\)](#): Climate mitigation policies and the potential pathways to conflict: Outlining a research agenda
- [Honegger, Matthias; et al. \(2021\)](#): Potential implications of solar radiation modification for achievement of the Sustainable Development Goals



## Political Papers

(no new political papers)



## Projects

- [Project](#): Mendota Bioenergy with Carbon Capture and Sequestration
- [Project](#): Co2Rail



## Selected Media Responses

- [Bloomberg Green](#): Fear of Geoengineering Is Really Anxiety About Cutting Carbon
- [Podcast](#): SAI using solar powered lofting - Pengfei Yu and Andrew discuss exciting research into a delivery technology for Stratospheric Aerosol Injection
- [Technology Review](#): What it will take to achieve affordable carbon removal
- [Progressive International](#): Holly Jean Buck: How to Decolonize the Atmosphere
- [Harvard Magazine](#): Sequestering Carbon Dioxide in Diamonds
- [freethink](#): Green Sand Beaches Could Erase Carbon Emissions
- [The Guardian](#): Cloud spraying and hurricane slaying: how ocean geoengineering became the frontier of the climate crisis
- [Podcast](#): Carbon Capture 101 with Howard Herzog
- [The Carbon Curve](#): Carbon Removal Deep Dive: Heirloom Carbon
- [C2G Guest Post](#): What implications could SRM have for the SDGs?
- [The Hill](#): Climate engineering research is essential to a just transition and sustainable future
- [C2G](#): Navigating the maze of climate-altering terminology
- [DW](#): Solar Geoengineering: Can you cool the planet? (German)

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