



Climate Engineering Newsletter for Week 30 of 2021



Upcoming Events

- 26.07.-06.08.2021, Event: ITB-IEAGHG International Virtual Course on Carbon Capture, Utilization and Storage (CCUS), online
- 27.07.2021, Event: CRISPR Crops: How Scientists are Using Genome Editing to Sequester Carbon, online
- 27.-28.07.2021, Event: Accelerating the Transition to a Climate-Positive Future, online
- 28.07.2021, Webinar: Artificial Upwelling Pumps for Carbon Dioxide Removal, online
- 29.07.2021, Webinar: Artificial Upwelling Pumps for Carbon Dioxide Removal, online
- (new) 29.07.2021, Webinar: Zero, Then Negative, online
- (new) 03.08.2021, Webinar: Intro to CDR - Ewan Morton, Ph.D., online
- 14.-15.09.2021, Event: Direct Air Capture Summit 2021, Zurich / Switzerland and 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
- (new) 20.-21.10.2021, Conference: Carbon Capture Technology Expo Europe, Bremen / Germany
- (new) 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
- 13.-17.12.2021, Conference: AGU Fall Meeting 2021, New Orleans, LA / USA & online



Calls & Deadlines

- 01.08.2021, Call for Abstracts: Solar Geoengineering in the Horizon: Humanitarian Dimensions
- 04.08.2021, Call for Abstracts: AGU Fall Meeting
- (new) 11.08.2021, Request for Proposals: Ocean-Based Carbon Dioxide Removal Analogues (Ocean Visions)
- (new) 17.08.2021, Call for Proposals: Request for proposals: direct air capture and environmental and climate justice (climateworks)
- 17.08.2021, Call for proposals: direct air capture and environmental and climate justice
- 19.08.2021, PhD Opportunity: Doctoral scholarship holder Enhanced Weathering for Climate Change Mitigation
- 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
- 31.07.2022, Call for Submissions: Special Issue "Resolving uncertainties in

solar geoengineering through multi-model and large-ensemble simulations" (ACP/ESD inter-journal SI)



Jobs

- [26.07.2021](#), Job: Research Associate: Net Zero Dashboard (University of Oxford)
- [30.07.2021](#), Job: 3-year Post-Doctoral Position (MCC)
- [31.08.2021](#), Job: Researcher position (f/m/d) in energy systems modeling: Ocean-based carbon dioxide removal
- [\(new\) \(no deadline\)](#), Job: Post-doc position in Earth system modelling of nature-based climate solutions
- [\(no deadline\)](#), Job: Associate, Project Development, Nature Based Solutions – UK
- [\(no deadline\)](#), Job: Postdoctoral Researcher Soil Geochemistry/Chemistry (University of California, Berkeley)
- [\(no deadline\)](#), Job: Special Assistant, Carbon Management Research Initiative (Columbia University)
- [\(no deadline\)](#), Job: Postdoctoral Research Associate (Princeton University)
- [\(no deadline\)](#), Job: Methodology Analyst/Environmental Scientist (Nori)
- [\(no deadline\)](#), Job: Project Manager, Nature-Based Solutions (Native)



Publications

- [Derevschikov, Vladimir S.; et al. \(2021\)](#): Operating limits and features of direct air capture on K₂CO₃/ZrO₂ composite sorbent
- [Rinberg, Anatoly; et al. \(2021\)](#): Alkalinity Concentration Swing for Direct Air Capture of Carbon Dioxide
- [Andresen, Jule \(2021\)](#): Direct Air Capture: The Upscaling of Sustainable Technologies
- [Dove, Zachary; et al. \(2021\)](#): The middle powers roar: Exploring a minilateral solar geoengineering deployment scenario
- [Weisenstein, Debra K.; et al. \(2021\)](#): A Model Intercomparison of Stratospheric Solar Geoengineering by Accumulation-Mode Sulfate Aerosols
- [Pasztor, Janos \(2021\)](#): Solar geoengineering research needs formal global debate
- [Carlisle, Daniel P.; et al. \(2021\)](#): Public engagement with emerging technologies: Does reflective thinking affect survey responses?
- [Pasek, Anne; et al. \(2021\)](#): Reflections on a hypothetical decentralized grassroots deployment solar geoengineering scenario
- [Belaia, Mariia; et al. \(2021\)](#): The Private Sector to the Rescue? Analysis of a Hypothetical Scenario of SG Deployment
- [Schenuit, Felix; et al. \(2021\)](#): A Scenario of Solar Geoengineering Governance: Vulnerable States Demand, and Act
- [Parson, Edward A.; Reynolds, Jesse L. \(2021\)](#): Solar Geoengineering Governance: Insights from a Scenario Exercise
- [Xu, Xiaoyin; et al. \(2021\)](#): Direct Air Capture of CO₂ by Microalgae with Buoyant Beads Encapsulating Carbonic Anhydrase
- [Hulme, Michael; et al. \(2021\)](#): Balancing a budget or running a deficit? The offset regime of carbon removal and solar geoengineering under a carbon budget



Political Papers

(no new political papers)



Projects

(no new projects)



Selected Media Responses

- [Energy.gov](#): DOE Announces Intent to Fund Direct Air Capture FEED Studies
- [Black & Veatch](#): Black & Veatch Awarded Federal Funding to Advance Direct Air Capture Technology
- [Innovative Genomics Institute](#): IGI Launches New Research in Net-Zero Farming & Carbon Capture
- [The Guardian](#): 'A shocking failure': Chevron criticised for missing carbon capture target at WA gas project
- [Video](#): Carbon Engineering Ltd.: Carbon Engineering | Direct Air Capture Technology
- [Video](#): Centre for Climate Repair at Cambridge: Refreezing the Arctic: Marine Cloud Brightening and other techniques
- [Climate-KIC](#): Munich Re and ERGO invest in EIT Climate-KIC carbon removal programme
- [energypost.eu](#): Comparing four Carbon Removal scenarios (IPCC, IEA, McKinsey, NGFS) and policy implications
- [CarbonCure](#): An Introduction to CarbonCure's Verified Carbon Dioxide Removal Program
- [Advanced Science News](#): Electro swing direct air capture
- [C2G](#): How can the idea of a planetary emergency help the world emerge from crisis?

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