

The DAC Dispatch



Direct Air Capture
Coalition

Welcome to The DAC Dispatch, the monthly newsletter from the DAC Coalition, keeping you up-to-date with the evolution of all things DAC.

March 2023

March gave us some more DAC Hubs news with DAC Coalition members Climeworks and Heirloom who teamed up with Gulf Coast Sequestration and Battelle to propose Project Cypress, a DAC project in the Louisiana DAC Hub.

Meanwhile, the DAC Coalition participated Kenya's National Workshop on Carbon Removal, helping to envision how Kenya, rich in natural assets fitting to DAC, could emerge as an unlikely leader in creating a global DAC hub.

Finally, this week the IPCC released the last instalment of AR6 in its 2023 Synthesis Report which served as a stark reminder that we are in unprecedented times but also offers hope by outlining key solutions, including carbon removal.



Market Updates

🏆 Two DAC prizes, the \$3.7 million DAC Pre-Commercial Energy Program for Innovation Clusters Prize (the DAC EPIC Prize) and the \$4 million DAC Pre-Commercial Technology Prize (the DAC Technology Prize), sponsored by DOE's Office of Fossil Energy and Carbon Management, are now [open for applications](#).

💡 **General Electric** [announced its arrival into DAC](#) noting their involvement in the DAC Hubs Program as well as their target to have an at-scale system operational by the end of the decade. The power giant brings considerable

expertise in industrial CCS, material systems, air flow engineering and heat management - a potent combination when it comes to building DAC machines.

🇳🇴 **Norway** is considering implementing a [tax subsidy of 2000 NOK \(€177\)](#) per ton of carbon removed via DAC, an incentive that would rival the US's 45Q tax credit, if passed. The proposal also includes a drive to support CO2 transport infrastructure with the country already leading on a number of industrial CCS projects. In an additional nod of DAC support, Norwegian DAC company [Removr](#), one of the DAC Coalition newest members, received a [€3.1 million grant](#) to pilot their DAC technology at Technology Centre Mongstad, the world's leading carbon capture technology test center.

⚖️ The **European Commission** proposed the [Net-Zero Industry Act](#) as it looks to equip the European Union for the energy transition. Pertaining to carbon removal, the act sets a CO2 storage injection target of 50Mt by 2030, outlines how to reduce regulatory blockers to aid the scale-up of new innovative technologies and hints at a carbon takeback obligation with Article 18 outlining the "contribution of authorised oil and gas producers".

🏭 The **National Energy Technology Laboratory (NETL)** aligns its [research priorities around direct air capture](#) to which it followed-up with a breakthrough on lowering the energy intensity of [sorbent regeneration using microwaves](#), a potentially critical step to lowering the cost of DAC.

🌐 In a world first, the **Government of Kenya** and the **Global Carbon Removal Partnership** hosted a two-day [National Workshop on Carbon Removal](#) where a pledge was signed by over 45 organizations, including the DAC Coalition, to support the construction of a carbon removal action plan and roadmap. The workshop also indicated a readjustment in how Kenyan projects will be certified and priced to reflect environmental integrity, inclusivity, permanence and local benefits.

🏭 **Siemens Energy** will be providing [the two CO2 compressors](#) for 1PointFive/Carbon Engineering's 0.5Mt/yr plant as the DAC supply chain begins to take shape. The plant, situated in the Permian Basin (Texas), also benefited this month from a [new partnership](#) with Major League Baseball team, **Houston Astros**.

💰 **CarbonX**, a demand aggregator for CDR buyers, announced [\\$1 million in purchases](#) spread across five different pathways of which **CarbonCapture Inc** was a recipient.



Deploying DAC

(Adam Goff, SVP Strategy at 8 Rivers/Calcite)

Hear how Calcite's proprietary technology is increasing the rate at which DAC is evolving and the policy factors that are helping them succeed.



What We're Reading

1. *Twin targets heading down under?* [Australia must set targets for amount of CO2 to be removed from air, scientists say](#) (Graham Readfearn, *The Guardian*)
2. *The trials and tribulations of being a first mover - an interview with Stacy Kauk* [The e-commerce exec building a new carbon market](#) (Debra Kahn, *Politico*)
3. *Why companies should look to support a range of CDR approaches* - [Scaling carbon removal requires a portfolio approach](#) (Ben Rubin and Phillip Moss, *The Hill*)
4. *Opinions on the EU's landmark proposal that looks to rival the Inflation Reduction Act* - [EU's Net-Zero Industry Act aims to bring home clean tech production](#) (Kira Taylor, *EURACTIV*)
5. *Key takeaways from the pinnacle of climate science* - [10 Big Findings from the 2023 IPCC Report on Climate Change](#) (Sophie Boehm and Clea Schumer, *WRI*)
6. *Does geothermal hold the keys to unlocking the DAC's power problem?* - [How this company plans to use Earth's heat to cool the planet](#) (Shannon

Osaka, Washington Post)

Picture This!



Corey Pattison, CEO of Cella, in the Great Rift Valley of northwestern Kenya participating in community engagement helping local communities understand CO2 mineralization and storage approaches.



March's Must Read



An Atlas of Direct Air Capture

Carbon Solutions LLC and The Great Plains Institute produce a comprehensive analysis across 17

siting considerations for DAC in the
US.

DACC Reports Library



Member Spotlight



X



4 CORNERS
CARBON COALITION



We were pleased to see members **AirCapture** and **CarbonBuilt** alongside **Block-Lite** be the recipients of a \$150,000 grant from the 4 Corners Carbon Coalition, to build the first fully integrated DAC-to-concrete system based out of Flagstaff, Arizona.



Congratulations to Capture6 who received approval from the Bay Area Air Quality Management District for their pilot and subsequently raised **\$6.2m** in debt financing from a partnership with IBank California using their [loan guarantee program](#). An important step in mobilizing different forms of finance to support the construction of DAC infrastructure.



Catch Robert Niven (CEO of **Carbon Cure**) and Shashank Samala (CEO of **Heirloom**) discuss their recent low-carbon concrete partnership on David Roberts' [Volts podcast](#).



Events



Climeworks Direct Air Capture Summit

June 6th

Zurich and Online

Join in the discussions with the international DAC community and key industry players in this one-day event. This summit this year will focus on advancing high-quality carbon removal solutions that are net-negative, additional, verifiable, and permanent.

Registration and more info can be found [here](#).



APAC Climate Tech Showcase March 28th

15:00 -16:30 HKT

The event, organized by Brinc and the Global Institute for Tomorrow will spotlight leaders in APAC climate investing and carbon removal. Speakers include **Mike Lim** (Partner at TRIREC), **Stacy Kauk** (Head of Sustainability at Shopify) and **Nick Martin** (Co-Founder & COO of Carbon Reform)

Registration can be found [here](#)



2023 Global CO2 Initiative CCUS TEA/LCA Workshop May 16th - 18th

The Michigan State Global CO₂ Initiative will host the [2023 TEA/LCA Workshop](#) on Harmonizing CCUS Assessments. This year's workshop will focus on the inclusion of social factors in life cycle assessments and techno-economic assessments, as well as next steps towards guidance through



James Irungi Mwangi Lecture at Columbia University March 21th

16:00 -18:00 EDT

James Irungi Mwangi, CEO of [Africa Climate Ventures](#) and founder of [Climate Action Platform – Africa](#) will be speaking at Columbia on "[Unleashing the Green Giant: Africa's Potential For Transformation Through Climate Action](#)"



UNC Clean Tech Summit March 27-28th

UNC Clean Tech Summit - DAC Coalition Co-Founder and Senior Director [Jason Hochman to moderate panel featuring representatives from DACC Members](#) 8 Rivers, Carbon Reform, Climeworks, and Sustaera

international standardization of
assessment guidelines.



WORLD
RESOURCES
INSTITUTE

Carbon Removal at Scale: A Call to Action from the IPCC Report March 23th

10 - 11:30am EDT

Join WRI and a panel of leading climate experts to examine what the latest IPCC report says about carbon removal, which approaches are progressing the fastest, who are the frontrunners in the carbon removal market, how to address equity concerns, and what investments governments and businesses need to make now to rapidly scale up CDR deployment over the next 10 years if we are to avert climate disaster.

Registration [here](#).



Need a New Role?

Looking to move your career into Direct Air Capture? Check out these positions and more on the DACC Jobs Board!

- [Senior Public Funding Manager](#) (Climeworks, Switzerland)
- [Development Associate or Manager](#) (Capture6, USA)
- [Head of Product](#) (Mission Zero Technologies UK)
- [Communications Manager](#) (Heirloom, USA)

All vacancies are made available on the DAC Coalition Jobs Board (powered by Climatebase)

DACC Jobs Board

Copyright © 2022 Direct Air Capture Coalition, All rights reserved.

Our mailing address is:

info@daccoalition.org

Want to change how you receive these emails?

You can update your preferences or unsubscribe from this list.