

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

MAY 2024

May has passed, spring is in full flow, and DAC has another facility turned on. With Climeworks' Mammoth plant now operational in Iceland, this achievement marks a significant step forward on the path to gigatonne CO2 removal.

May also saw the announcement of the Final 20 XPRIZE teams, which included DACC members Octavia Carbon, Airhive, Heirloom, and Aircapture, in addition to Carbonfuture being named as the Prize's MRV partner. The U.S. Department of Energy (DOE) also announced the recipients of the Voluntary Purchase Prize, allocating \$50,000 of publicly procured CDR to 24 companies. Congratulations to all!

On the policy front, we saw new funding for the DOE and a Call for Evidence from the UK Department of Energy Security and Net-Zero on expanding CO2 transport infrastructure in addition to the U.S. Government throwing its weight behind a high-integrity Voluntary Carbon Market. The European Commission announced a €30 million funding call for climate change mitigation projects, including CDR. The Japanese government announced that it will accept the use of durable CDR in its emissions trading scheme, GX-ETS, which covers around 600 million tons of yearly emissions.

With Carbon Unbound East Coast capping off May, it was exciting to see so many old and new faces at the NYCDR Community Happy Hour we hosted in collaboration with Carbon Business Council, Open Air Collective, Activate, Carbon to Value Initiative, Carbon Removal Alliance, Carbon to Sea, Carbon180, and Cascade Climate. With the Climeworks Carbon Removal Summit just around the corner in Zurich, come find us to discuss all things DAC.

MARKET UPDATES

Key Updates

Zero Carbon Systems [acquired DAC pioneer](#), Global Thermostat to boost large-scale, low-cost DAC deployment plans.

National Energy Technology Lab (NETL) Direct Air Capture Center has [begun testing](#) at their site in Pittsburgh, Pennsylvania, and is actively seeking partnerships with DAC companies, academia and innovators and the private sector, ahead of being fully operational next year.

The U.S. Department of Energy (DOE) [announced the recipients](#) for their Voluntary Purchase Pilot Prize which provides \$50k in publicly procured CDR to 24 semifinalists including DAC Coalition members: Avnos, CarbonCapture Inc, Climeworks, Heirloom, Global Thermostat and Fervo Energy, and 8 Rivers (Calcite). In the same week, the DoE signaled their support for carbon markets and high-quality carbon credits with a [new set of principles](#).

The U.S. DOE's Office of Fossil Energy and Carbon Management (FECM) released a new [Carbon Management Resource Portal](#) to access reports, fact sheets, and data on the topic.

Denmark, Norway, Belgium, the Netherlands and Sweden [signed an agreement](#) to remove obstacles in creating a cross-border CO2 transport and storage network in the North Sea.

CDR.jobs launched a [Salary Survey](#) to provide clear, tangible, and transparent salary data for those working in CDR.

Canada is considering [expanding its Low-Carbon Fuel Procurement Program](#) to permit the use of carbon removal credits to address transportation fleet emissions. An initial budget of \$135m CAD over 8 years has been earmarked, starting in 2024-25

Japan has [included the use of durable CDR](#) in its nationwide emissions trading scheme, GX-ETS, which would cover up to 600Mt/yr of emissions.

280Earth, a spin-out DAC company from Google's X Moonshot Factory, closed a [\\$50m Series B investment](#) from BuildersVC, Gideon Yu, and Alphabet Inc. on the same day announcing the completion of a 500t CO2/yr pilot in The Dalles, Oregon.

Climeworks becomes first DAC company [to be certified](#) under [Puro.earth](#) Geologically Stored Carbon methodology.

The Midwest Nuclear DAC Hub led by Northwestern University whose project partners include DACC members Avnos and RepAir, [received \\$4m from the Department of Energy](#) to explore using nuclear energy as a power source for DAC.

CDR.fyi released analysis that [maps out the MRV ecosystem](#) looking into providers of standards, methodologies and protocols.

Open Calls for Evidence

U.K. Department for Energy Security and Net-Zero - [Non-pipeline transport and cross-border CO2 networks](#)

U.K. ETS Authority - [Integrating greenhouse gas removals in the UK Emissions Trading Scheme](#)

U.S. Department of Energy (DOE) / Office of Manufacturing and Energy Supply Chain's (MESCC) - [Clean Energy Supply Chain Request for Information](#)

Funding Opportunity Announcements
U.S. Department of Energy - [\\$500m for projects that expand carbon dioxide \(CO2\) transportation infrastructure](#)

European Commission - EU LIFE Programme - [€30m for climate change mitigation projects, including CDR](#)

Climate Intervention Environmental Impact Fund is announcing another round of three grants for the first half of 2024 with increased award amounts of \$65,000 each. The [deadline for applications](#) is June 1.

Deadlines and Applications:

NextGen, an advanced market commitment consortium, [opened for applications](#) for their next round of purchases on May 31st with applications closing on June 14th.

Year 4 of the prestigious Carbon-to-Value Initiative is [open to application](#). The deadline for applicants to the accelerator is June 21.

MAY'S MUST READ

The reality of deploying carbon removal via direct air capture in the field
Where we are, what we learned, where we're headed

Deployment Realities

Climeworks

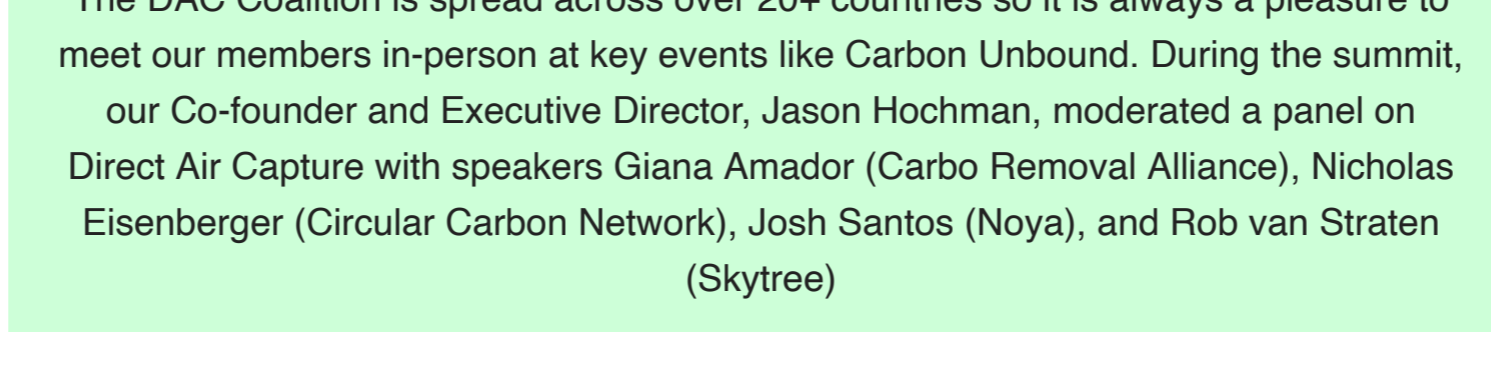
A reflection into what it actually takes to deploy DAC in the field at commercial scale. This piece contains a plethora of insights from performance and operational challenges to learnings from continuous technology iterations.

[DACC Reports Library](#)

WHAT WE'RE READING

1. BLOG: [Research, development and innovation funding in the EU & US](#) (Katie Liebling and Danielle Riedl (WRI) for Carbon Gap)
2. ARTICLE : [Carbon removal: What's the local government's role?](#) (SmartCities Dive)
3. ARTICLE: [Kenyan president aims to attract green investment during U.S. visit](#) (Katharine Houreld, Washington Post)
4. BLOG: [Three Companies Own 45% of All DAC Patents: A CDR Patent Analysis](#) (Soren Vines, AlliedOffsets)
5. ARTICLE: [What sectors do we invest in to drive robust carbon removal?](#) (Will Burns, Illuminim)
6. ARTICLE: [Carbon Dioxide Removal: The Startup View](#) (Guy Wohl and Emily Rogers, RMI)

PICTURE THIS!



The DAC Coalition Community at CarbonUnbound East Coast

The DAC Coalition is spread across over 20+ countries so it is always a pleasure to meet our members in-person at key events like Carbon Unbound. During the summit, our Co-founder and Executive Director, Jason Hochman, moderated a panel on Direct Air Capture with speakers Giana Amador (Carbon Removal Alliance), Nicholas Eisenberger (Circular Carbon Network), Josh Santos (Noya), and Rob van Straten (Skytree)

MEMBER SPOTLIGHT

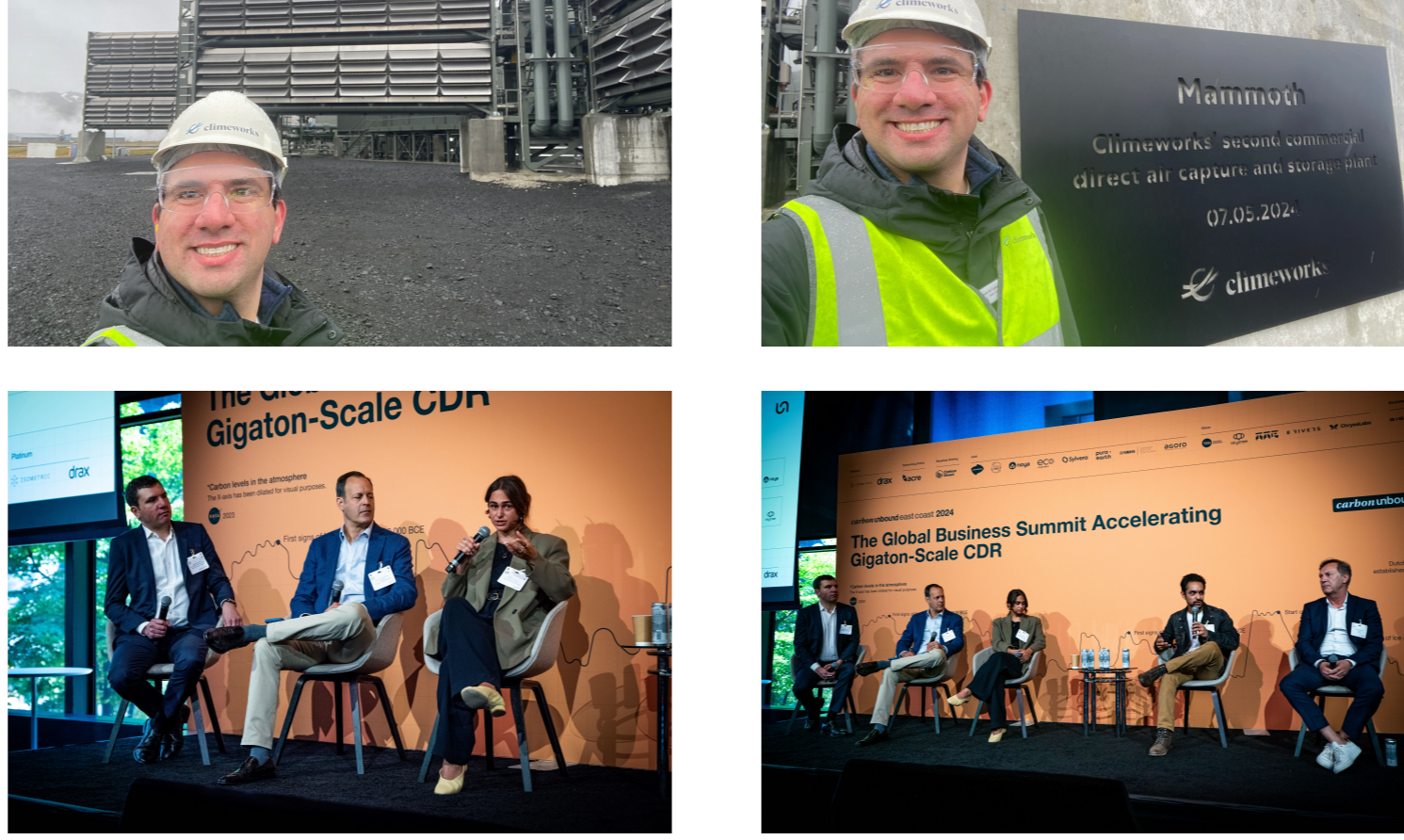
TerraFixing announced a [\\$7.3m commercial agreement with Tuglio Energie Co.](#), including \$1.6m in Seed funding, to advance the development and deployment of cold-climate direct air capture in the Great Canadian North. TerraFixing are developing units of 1000 and 4000tCO2/yr.

Paebl announced they [successful demonstrated](#) their ex-situ CO2 mineralization process by storing CO2 in concrete.

Holocene [unveiled their first demonstrator](#) unit in Knoxville, Tennessee capable of removing 10tCO2/yr after just 12 months.

Saudi Aramco signed [MOUs with Spiritus \(DAC\) and Rondo Energy \(heat batteries\)](#) after an official trip from U.S Secretary of Energy, Jennifer Granholm.

DACC ON THE ROAD



A busy month for our Co-founder and Executive Director, Jason Hochman, who was in Iceland for the momentous opening of Climeworks' Mammoth facility. The 36,000tpa plant is now the world's largest DAC plant.

Followed up [panel with Carbon Unbound East Coast](#), where Jason moderated a panel addressing some of the biggest obstacles to DAC project development.

EVENTS

WE WILL BE ATTENDING...

 Climeworks Carbon Removal Summit June 4-5th Zurich, Switzerland	 Carbonfuture Carbon Removal Summit June 13th London, UK	 International Conference on Negative CO2 Emissions June 18-21st Oxford, UK
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[Connect with us!](#)

THE STATE OF Carbon Dioxide Removal
Launch of 2nd Edition
Tuesday 4 June 2024
16.00-17.30 UK time

The State of Carbon Dioxide Removal Report provides an independent, scientific assessment on tracking the development of Carbon Dioxide Removal (CDR) globally.

With updated data, expanded global coverage and a new chapter on Monitoring, Reporting and Verification (MRV), hear authors present the latest findings from the report and ask your questions on CDR development and progress. Registration, [here](#).

Carbon catch-up
Navigating decarbonization in aviation with carbon removal solutions
Wednesday | June 13, 5pm CET
[Register now](#)

Join us for an insightful webinar to discuss the role of carbon removal in the aviation decarbonization journey with Melanie Heiniger from SWISS, Hemant Mistry from IATA (International Air Transport Association) and Cyril Brunner from ETH (Federal Institute of Technology Zurich). Registration, [here](#).

Future-Proof Carbon Removal Strategies
13th June - 12:00 ET
Online

In this GreenBiz webcast, Dr. Julio Friedmann will share how you stay ahead of stakeholder demands, maximize your impact, and show your climate leadership with a future-proofed carbon credit purchasing strategy. Registration, [here](#).

Negative Emissions Summit 2024
June 20th
Microsoft HQ, Brussels

The Negative Emissions Summit, hosted by NEP at Microsoft HQ in Brussels, aims to educate policymakers, investors, media, and civil society on the critical importance of highly durable and permanent carbon removals. 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!

- [Commercial Director](#) (CarbonCure, remote, Illinois)
- [Recruiting Coordinator](#) (Heirloom, remote, California)
- [Electrical Controls & Automation Engineer](#) (Clairity Technologies, California)
- [Development Geologist](#) (DeepSky, Canada)

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

[DACC Jobs Board](#)

