

# 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.*

## **APRIL 2023**

A busy April saw an increase in corporate commitments towards high-quality carbon removal purchases with the Frontier fund adding an additional \$100m with the likes of H&M, JP Morgan Chase and Autodesk joining the advanced market commitment. Whereas, Milkywire's Climate Transformational Fund added €4.5m in partnership with Spotify and Klarna.

Nancy Pelosi opened Global Thermostat's new 1000 ton a year DAC unit in Colorado, making it one North America's largest to date. April also saw Carbon Capture Inc and Climeworks both sign new pre-purchase contracts with Microsoft and Partners Group, respectively.

On the international stage, both the G7 and Major Economies Forum occurred in April where carbon management, inclusive of CDR, was identified as a top priority for climate action, including President Biden who mentions DAC explicitly.



## **Market Updates**

**\$ Partners Group**, which co-led **Climeworks'** \$650m fundraising round, has continued their support of the Swiss company with a 13-year [agreement totalling 7,000 tons](#) of carbon removal. Earlier in the month, **CarbonCapture Inc** [added Microsoft](#) to their list of customers for CO2 removed by their flagship project, Project Bison.

✂️ **Global Thermostat** unveiled their [new kiloton unit](#) in Brighton, Colorado alongside Governor Jared Polis and House Speaker Emerita, Nancy Pelosi. CBS Colorado [covered the opening](#).

💰 **Noya** raised [\\$11m in their Series A](#) round led by Union Square Venture and Collaborative Fund as they move towards a commercial pilot at the end of this year. The San-Francisco based outfit recently pivoted away from retrofitting buildings with DAC towards highly modular stand-alone machines.

🏢 **CarbonCure**, a global leader in carbon negative concrete, announced the [availability of its Verified Carbon Units \(VCUs\)](#), certified by Verra, the first time the registry has registered VCUs from any technological carbon removal.

🏛️ At the **Major Economies Forum** on Energy and Climate, President Biden unveiled his plans for a [Carbon Management Challenge \(CMC\)](#) with the vision of announcing a series of concrete announcements on CCUS and CDR at COP28. The term "Carbon Management" was a [repeated priority at the recent G7 Summit](#) in Japan.

🌍 In Europe, **Climeworks** continued to [advocate for a separation](#) in targets, standards and respective role in climate scenarios for removals and emission reductions. This comes in the same week that the [European Parliament approved the "Fit for 55"](#) package which includes a Carbon Border Adjustment Mechanism (making importing carbon intensive products to the EU more expensive), reforms to the EU ETS to include buildings and transport, and increasing funding for the Innovation Fund to €575m. Europe also gained a new CDR accelerator programme with [remove](#); a non-profit accelerator providing non-dilutive funding and support to CDR start-ups.

⚙️ **CarbonGap**, a non-profit focusing on European CDR policy, launched their [Policy Tracker](#) helping to track, follow and provide clarity on ongoing EU CDR legislation.

🌟 [Carbon Removal Canada](#), an independent policy non-profit launched to accelerate action on carbon removal in Canada with key positions [open for applications](#). The news was followed up coincidentally by the release of a new report from the Pembina Institute on [Engineered Carbon Dioxide in a Net-Zero Canada](#).

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### The tricky plan to pull CO<sub>2</sub> out of the air (Joss Fong, Vox)

An excellent summary of where carbon removal sits in international climate goals as well as the problems the industry currently faces, featuring Giana Amador (Carbon Removal Alliance).



## What We're Reading

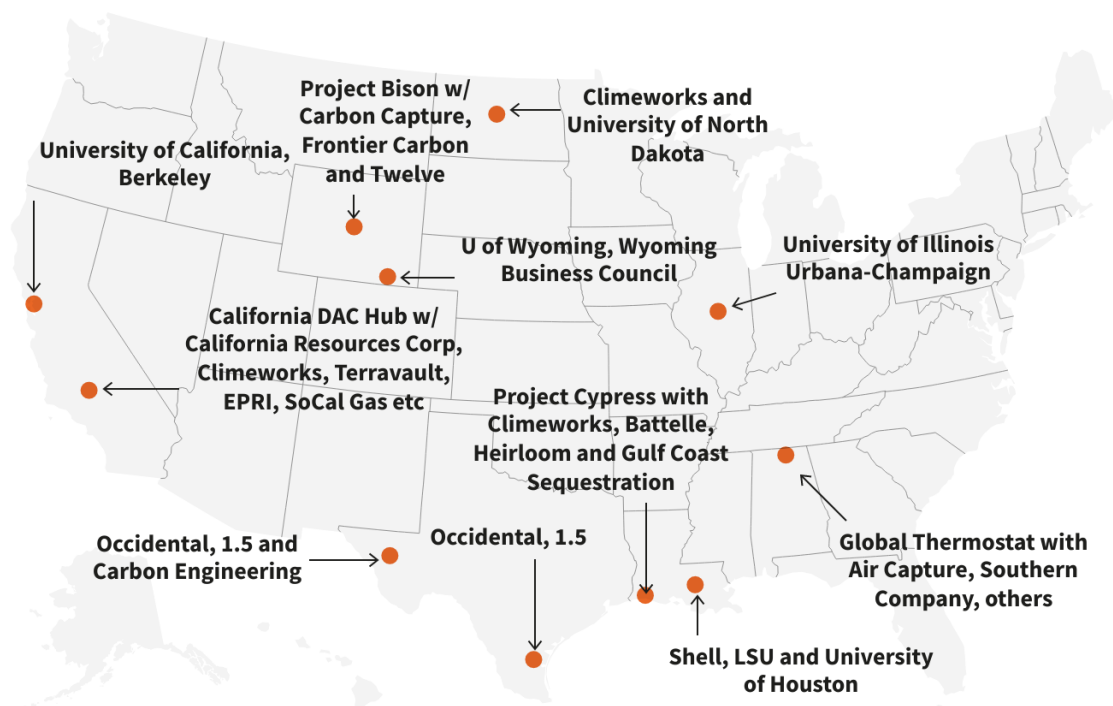
1. *Federal CO<sub>2</sub> procurement, yes please* - [Exploring Pathways for Government CDR Purchases](#)  
(John Jacobs, Danny Broberg, Xan Fishman, Bipartisan Policy Center)
2. *Unlocking energy access in Kenya alongside a new paradigm for climate justice* -  
[How Direct Air Capture can help solve Kenya's energy access problem](#) (Aaron Benjamin, Illuminem)
3. *A concise report exploring the impacts of recent US clean tech legislation* - [Impact of IRA, IIJA, CHIPS and Energy Act of 2020 on Clean Energy Technologies](#) (BCG, Breakthrough Energy, Third Way)
4. *Nuclear power to drive DAC deployment in the UK* - [New Direct Air Capture Plant That Runs On Nuclear Heat To Be Built In The UK](#) - (Petya Trendafilova, Carbon Herald)



# Picture This!

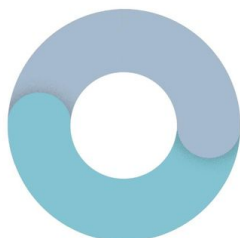
## Proposed Regional Direct Air Capture Hubs

Major DAC projects and applicants seeking part of an available \$3.5 billion from the Department of Energy to build regional hubs

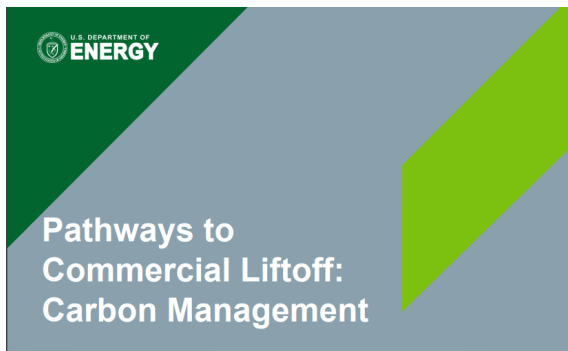


Source: Interviews, public information

Source: [Reuters](#)



## April's Must Read



## **Pathways to Commercial Liff: Carbon Management**

A cross-cutting report from multiple offices within the U.S Department of Energy analysing DAC's economic opportunity, current and future policy implications, and CO2 storage options.

### DACC Reports Library

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## **Member Spotlight**



**CAPTURE6**

April has been a good month for **Capture6** which [secured funding](#) from South Korean VC fund Sopoong Ventures making the DAC start-up the first US climate tech investment for the fund.

In commercialisation news, **Capture6** and California's Palmdale Water District announce [plans to develop](#) on the Pure Water Antelope Valley (PWAV) Demonstration Facility, a wastewater-to-DAC facility scheduled to open in 2024.

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Congratulations to **Carbonfuture** which joined the First Movers Coalition as an [Implementation Partner](#).

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Mario Guagnelli, VP Product Development at **8 Rivers/Calcite** was [interviewed by Carbon Herald](#) on their plans for scale, current deployment, and tech stack

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**Carbominer** (Ukraine) completed construction of their [1.2 tonne demonstration pilot](#) alongside a prominent international construction materials company.

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### Carbon Removal Basel 2023

Carbonfuture hosted a one-day summit in Basel (Switzerland) to gather European CDR stakeholders across to discuss the key themes of policy, MRV, innovation, and buyer demand. The invite-only event aimed to drive collaboration between pan-European stakeholders and help support upcoming EU policy consultations on carbon removal.





### University of North Carolina Clean Tech Summit

During the University of North Carolina's Ackerman Center for Sustainability's Clean Tech Summit, the DAC Coalition's Jason Hochman moderated a panel with some of the world's leading direct air capture innovators. In their wide ranging discussion, they covered topics including DAC policy, CO2 utilization, and different potential business models.

From left to right: Peter Freudenstein (Climeworks), Jason Hochman (Direct Air Capture Coalition), Sudarshan Gupta (Sustaera), Mario Guagnelli (Calcite), Nick Martin (Carbon Reform)



## Events



Direct Air Capture

Portfolio

Who we are

# Carbon removal knowledge gaps

## **Frontier CDR Knowledge Gaps Database - Direct Air Capture**

**May 3rd - 9am (PT)**

Hosted by Frontier, Silvan Aeschlimann (RMI) and Charithea Charalambous (RMI) will discuss the where the gaps in the fundamental DAC science lie, as well as MRV and technical/engineering needs with guests Prof. Susana Garcia (Herriot Watt University), Jason Hochman (DAC Coalition) and Greg Mutch (Newcastle University)

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



### **2023 Global CO2 Initiative CCUS TEA/LCA Workshop**

May 16th - 18th - University of  
Michigan

The Michigan State Global CO<sub>2</sub> 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 international standardization of assessment guidelines.

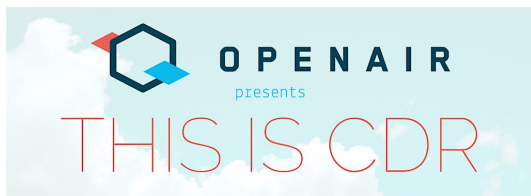


### **Carbon Business Council Symposium**

26/27 June - Washington DC

Alongside The Institute for Carbon Removal Law and Policy at American University, XRPIZE Carbon Removal, Consortium for Science Policy & Outcomes at Arizona State University, will host an action-oriented workshop in Washington DC for a deep dive into questions such as, what is required for a project to break ground successfully and how can projects be deployed in a responsible way that earns support from communities?





## This is CDR

Join the Open Air Collective for their weekly CDR series featuring:

**Dr. Ethan Cohen-Cole (CEO, Capture6)**

May 16th

Embedded Decarbonization Solutions

[Registration](#)

**Josh Santos (CEO, Noya)**

May 30th

Noya Update

[Registration](#)



## Fifth Annual Climate Restoration Forum

May 13th 11:00 - 20:30 (EDT)

This full day event promises to be inspiring with climate justice and youth voices taking centre stage. Previous F4CR events have led to transformative action across the climate spectrum. Confirmed speakers include: Congressman Paul Tonko (US House of Representatives), Kumi Naidoo (Former Executive Director of Greenpeace) and Rick Wayman (CEO, F4CR)

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!

- [Head of Commercialization](#) (Cella, New York)
- [CO2 Supply Chain Manager](#) (CarbonCure, California)
- [Senior Associate - Climate & Energy](#) (RMI, Remote - US)
- [Development Associate or Manager](#) (Capture6, Remote - UK)

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

## DACC Jobs Board

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