

# 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.*

***June 2023***

June saw Climeworks host their 4th DAC Summit in Zurich followed closely by the Negative Emissions Platform's CDR Summit in Brussels which gave the DAC Coalition and broader CDR community a chance to connect with their global peers and colleagues. If you missed either of these event, you can find their recordings here ([Climeworks](#) and [NEP](#))

The UN Article 6.4 Supervisory Body continued its exploration into removals and how to govern their international trading with a follow-up public consultation. You can see the Direct Air Capture Coalition's response [here](#).



## Market Updates

⚖️ The UK's **Department of Energy Security and Net-Zero (DESNZ)** announced its intention to support engineered greenhouse gas removal through [Contract for Differences](#) and opened a Request for Information on how companies can best utilise this scheme.

💰 **Fundraising Galore for DAC Coalition Members - Cella**, an enhanced mineralisation company based out of New York and Nairobi, announced their [\\$3.3m Seed fundraising round](#) led by Counteract and the Grantham Foundation. **Skytree**, a Dutch-based DAC company focusing on decentralised units, completed a [\\$6m Seed](#) round led by Horticoop and Yield Lab Europe as they look to elevate DAC's role within the Agtech and

horticultural industries. **Nori**, a blockchain based carbon removal marketplace, [raised \\$6.25 million](#) in new funding with current investors M13, Toyota Ventures, Placeholder and Cargill leading the round.

🔗 **Nori** introduced the concept of a carbon removal "**blended tonne**" in a [recent whitepaper](#). The concept aims to tackle the problem of how to deliver high-quality permanent removals (accepting long wait times for future vintages) with the immediacy required to satisfy net-zero pledges.

🏭 **National Energy Technology Laboratory (NETL)** announced that their [Direct Air Capture Centre](#), based in Pittsburgh, came is accepting partners with TRL 3-6 with capabilities to test emerging technologies from lab-scale (0.1kgCO<sub>2</sub>/day) and small scale pilot (30kgCO<sub>2</sub>/day).

🔬 **Georgia Institute of Technology** announced the [discovery of an approach](#) that could spur "a new generation of DAC systems" using coated carbon fibres and efficient inside-out heating systems. Their electric-temperature swing adsorption method claims to fully regenerate in under 10min and with projected costs to be ~\$160t/CO<sub>2</sub>. Full paper [here](#).

💰 **Boston Consulting Group** and CarbonCapture Inc announce a historical offtake agreement that agrees to [remove 40,000 tonnes](#) over the course of five-years, with the global consulting giant to offer up their management consulting services too.

🎯 Momentum is growing amongst industry experts for a clear distinction in targets for emissions reductions and removals following a [Climeworks statement](#) backed by 40 organisations. An [Op-Ed in Fast Company](#) written by Carbon Business Council's Executive Director Ben Rubin punctuates its importance.

🌍 **CarbonGap** alongside eight other European organisations have called for the European Union to preserve the Net-Zero Industry Act's CO<sub>2</sub> injection target of **50Mt/yr by 2030** (recognising the role of CCS, DACCS and BECCS) and notes the obligation of oil and gas producers to contribute to it. Read the open letter [here](#).

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## The Carbon Curve - Live from Zurich

Join Naim Merchant in a special edition of The Carbon Curve featuring:

- Dr. Julio Friedman (Chief Scientist at Carbon Direct)
- James Mwangi (Co-Founder and CEO of Africa Climate Ventures)
- Ugbaad Kosar (Director of Environmental Justice at Carbon180)
- Marcius Extavour (Chief Climate Solutions Officer at TIME CO2)



## What We're Reading

1. *Deep dive risk analysis across science, engineering, commercial and finance* - [Navigating Stages of Commercialization to Deploy DAC at Scale](https://us17.campaign-archive.com/?u=14cb353557aa8f20676cfefeb&id=135f446735)

(Bipartisan Policy Center)

2. *The case for Kenya going mainstream* - [Why Kenya could take the lead in carbon removal](#) (Jonathan Rosenthal, The Economist)
3. *CDR sales shoot-up 300% in just 3 months* - [Carbon Removal Has Lift Off](#) (Oliver Gordon, Energy Monitor)
4. *Carbon mineralisation 101* - [5 Things to Know About Carbon Mineralization as a Carbon Removal Option](#) (Danielle Riedl, Zachary Byrum, Serena Li, WRI)



## Picture This!

### CDR sales have risen 300% since April 2023

Historic global purchases of CO2 removal (tonnes)

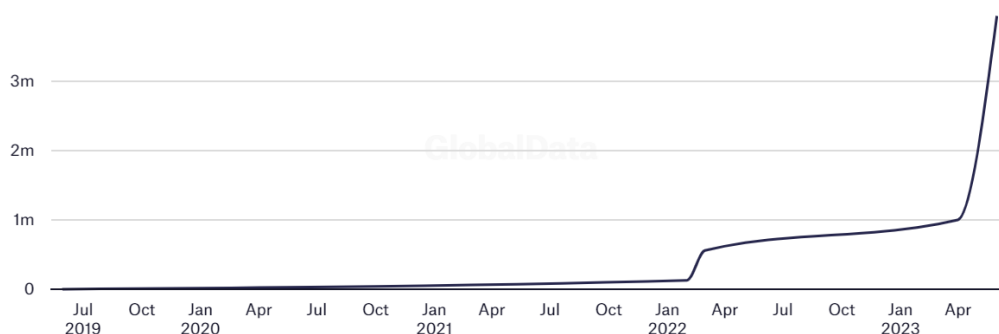
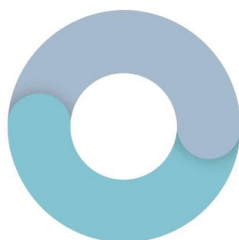


Chart: Oliver Gordon • Source: [cdrfyi](#)

*With large investments from JP Morgan and BCG in the last month, CDR has seen a catalytic up-turn in sales rising more than 300% in two months.*



## June's Must Read





## Shifting the Direct Air Capture Paradigm

*Boston Consulting Group*

An essential piece with clear cost-cutting affirmative actions and pathways to sub-\$200/t DAC.

## DACC Reports Library

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## Member Spotlight



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## COHORT 3

Congratulations to **TerraFixing** and **Capture6** who were chosen to be a part of [Carbon-2-Value Initiatives 3rd Cohort](#).

As part of the six-month accelerator they will have access to the Carbon Leadership Council mentors from organisations like: NYSERDA, BASF, Carbon180, Carbon Direct, CarbonPlan, Circular Carbon Network, the Consulate General of Canada in New York, Fluor, Johnson Matthey, NRG, Unilever, Gore, and XPRIZE.

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**Greenlyte Carbon Technologies** closed a further €4.5m ontop of the €3.5m Pre-Seed round. Their progress since their inception in September 2022 was covered in [TechCrunch](#)



**Rondo Energy**, developers of the Rondo Heat Battery, a breakthrough technology in transforming intermittent renewable energy into stored heat capacity, has announced it will [partner with Siam Cement Group](#) in Thailand to expand their heat battery factory. The factory will expand its 2.4GWh production to 90GWh of capacity making it the largest battery factory in the world.

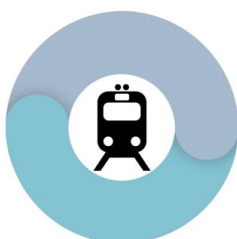


### World Economic Forum 2023 Technology Pioneers.

Congratulations to **CarbonCapture** who [were selected](#) as part of the 2023's 100 most promising early stage companies combatting issues facing people and the planet.



**Nordic DAC Group, Carbon Removal AS and Nordic Travel Group** has signed a [Letter of Intent](#) to collaborate on DAC at CarbonRemovalAS NorDAC project in Øygarden. When operational, the plant will be a capable of removing 0.5MtCO<sub>2</sub>/yr using Carbon Engineering's technology.



## DACC on the Road

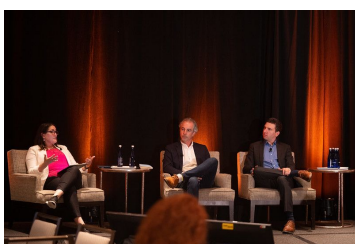
# Climeworks Direct Air Capture Summit 2023

(Zurich, Switzerland)



**(Left):** Quincy Jones (Clean Air Task Force), Peter Freudenstein (Climeworks), Jack Andreasen (Breakthrough Energy), Giana Amador (Carbon Removal Alliance), Brain di Marino (JP Morgan), Nora Cohen Brown (Charm Industrial), Jason Hochman (Direct Air Capture Coalition), Calli Obern (Capture6), Claire Nelson (Cella), Simone Stewart (National Wildlife Foundation), Aaron Benjamin (Direct Air Capture Coalition)

**(Right):** Jason Hochman (Direct Air Capture Coalition), Bilha Ndirangu (Great Carbon Valley), James Mwangi (CAP-Africa Climate Ventures), Aaron Benjamin (Direct Air Capture Coalition)



**Global Business Travel  
Association Sustainability Summit**  
(Washington DC, USA)



**Negative Emissions Platform Summit**  
(Brussels, Belgium)





## Events



**RC RESET  
CONNECT**

**27 – 28 June 2023 | ExCeL**

The leading sustainability & net-zero event  
for business, investors & innovators

Flagship  
event of:

**LONDON**  
CLIMATE ACTION WEEK

### [Reset Connect - London Climate Action Week](#)

27-28th June

The flagship event of London Climate Action Week aimed at bridging the gap between sustainability change-makers, business leaders, government and funding when planning for a collective net-zero future. Registration [here](#)



**OPENAIR**  
presents  
**THIS IS CDR**

[This is CDR - Holy Grail](#)

11th July

The weekly webinar series from Open Air Collective host Nuno Pereira (CEO) and Sophie Griggs (CTO) presents how Holy Grail are approaching modular electrochemical DAC. 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!

- [Manager of Public Programs](#) (CarbonCapture, California)
- [Head of Product](#) (Mission Zero Technologies, UK)
- [Supply Chain Manager](#) (Heirloom, California)
- [Business Development Manager](#) (Isometric, London/New York)

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

## DACC Jobs Board

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