

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 2024

In June, the Climeworks Carbon Removal Summit, Carbonfuture's Carbon Removal Summit, and the 3rd International Conference on Negative CO2 Emissions showcased the increasing interest in carbon dioxide removal (CDR) and significant advances in academic research.

Heirloom announced two new facilities in Northern Louisiana, highlighting the importance of public-private partnerships in driving industry growth. Climeworks introduced their Generation 3 module, which promises to reduce costs and energy intensity by 50%.

Despite predictions of a slowdown due to the UK elections and the European summer break, we anticipate exciting summer announcements. Stay tuned

## MARKET UPDATES

Sirona Technologies raises **€6m in their Seed Round** led by LocalGlobe and XAnge to advance their plans to deploy DAC in Kenya.

Climeworks introduced their **Generation 3** module, which is capable of halving both energy usage and cost.

Heirloom unveiled plans to **deploy two facilities in Shreveport**. Louisiana, capable of removing 320kCO<sub>2</sub> per year at scale. The first facility will remove 17kCO<sub>2</sub>/yr, with the second scaling up to remove 100kCO<sub>2</sub>/yr by 2026 and 2027, respectively.

Equinor, the Norwegian oil and gas giant, **acquired DAC technology** developed by Rolls-Royce

Repair **announced phase one of a project** off the coast of Greece to store 1kCO<sub>2</sub>/yr starting in 2026 with the site having the capacity to store up to 3MtCO<sub>2</sub> in the Prinos saline aquifer. The site is slated for €150m of European funding to establish it as the Mediterranean's CO<sub>2</sub> storage hub.

Capture6 **broke ground** on "Project Monarch" in California alongside Palmdale Water District (PWD) - the project will enable water recovery from effluent brine alongside permanent carbon removal.

CarbonCapture Inc unveils plans for **DAC mass manufacturing facility** in Arizona capable of scaling up the manufacturing of their 500kCO<sub>2</sub>/yr Leo Series. The Arizona facility will be able to produce 4000 modules annually equalling over 2MtCO<sub>2</sub>/yr.

International Organisation for Standardization (ISO) announced that it will develop the **first international standard on Net-Zero** with an expected launch date of November 2025 at COP30. The standard will be worked on by 1000s of experts across over 170 countries.

Puro.earth **updated their Geological Stored Carbon** methodology to exclude Enhanced Oil Recovery (EOR), increase stringency on Life Cycle Assessments (LCA) and biomass sourcing sustainability criteria, and extending the crediting period to 15 years.

Isometric announced partnerships with **12 carbon removal marketplaces** and demand aggregators to provide their end customers access to Isometric verified projects.

Salesforce **joined the Frontier** consortium with a \$25m commitment to driving down the cost of durable carbon removal.

The European Commission adopted new regulation to prevent greenwashing under the **Green Claims Directive**

Canada's Senate passed the **C-59 bill** that provides a refundable tax credit to support CAPEX on CCUS equipment, including DACCS.

[Open Funding Calls + Deadlines](#)

**Stripe Climate Fellow** - Do you have ideas on how to grow demand for carbon removal? Stripe is funding a year's salary plus associated costs for selected ideas. **Deadline: July 15th.**

**Horizon Europe** - Funding call for DACCS and BECCS for CO<sub>2</sub> removal/negative emissions. Activities are expected to achieve TRL6-7 by the end of project. **Deadline January 21st**

**UK ETS Authority** - Request for Information on integrating greenhouse gas removals into the UK Emissions Trading Scheme. **Deadline August 15th**

## DAC DEPLOYMENT MAP UPDATES



### In this update:

- DeepSky with Avnos & Skytree
- PlanetSavers, Japan's first DAC demonstrator
- RepAir set for scale in Greece
- Heirloom in Louisiana

### Plus:

Check out CDR.fyi's new [CDR Supplier Projects and Facilities Map](#) where our DAC Deployments Data has been incorporated.

[DAC Deployments Map](#)

## PICTURE THIS!



## JUNE'S MUST READ



### Scaling CDR: Drivers for Durable Carbon Removal

Boston Consulting Group

This report assesses the demand potential for CDR in the light of both voluntary and regulatory drivers, through 2050. The report analyses trajectories and gaps with current policies and makes an assessment on effective policies in the near, medium and long-term.

[DACC Reports Library](#)

## WHAT WE'RE READING

- BLOG: [Direct air capture in your backyard: early insights on public perception and the tenets of socially responsible industry in the Tees Valley](#) (Molly James, Airhive)
- ARTICLE: [Nine key takeaways about the 'state of CO2 removal' in 2024](#) (Carbone Brief)
- ARTICLE: [High Quality Carbon Removal Requires Credible and Consistent MRV - Government Oversight Can Help](#) (Katie Liebling, Danielle Riedl and Haley Leslie-Bola, WRI)
- REPORT: [Climeworks Sustainability Report 2023](#) (Climeworks)
- BLOG: [Trump can't cool Republicans' ardor for this climate tech](#) (Blanca Begert, POLITICO)

## MEMBER SPOTLIGHT



Climeworks were listed in [Time100 Most Influential Companies 2024](#)



Octavia Carbon teamed up with [Tomorrow's Air](#) and [CEEZER](#) to bring credits from Project Hummingbird to the market.



Carbominer was one of nine starts up to [receive non-dilutive cash funding](#) from Google for Start-ups Ukraine Relief Fund



Soletair Power, a Finnish DAC company focusing on retrofitting buildings, announced €1m in additional funding from Halton Group and a [new project](#) retrofitting the HVAC system of building in Århus, Denmark capable of removing 18tCO<sub>2</sub>/yr.

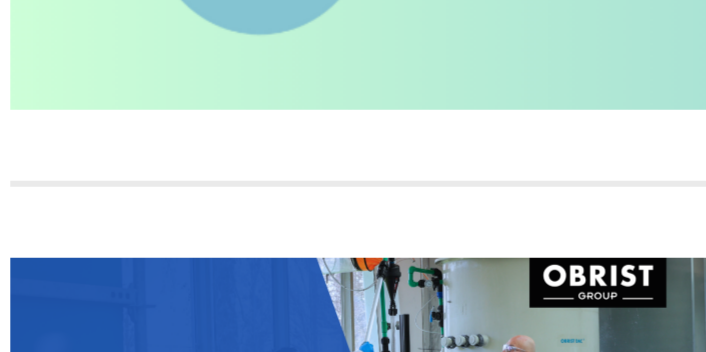


Skytree has signed several [strategic multi-year development and supply agreements](#) with Puro.earth, an EcoLab company, to jointly develop a next generational energy-efficient and cost-effective sorbent.

## DACC ON THE ROAD



## EVENTS



### CO2 Removal with Direct Air Capture Technology with OBRIST Group

2nd July - 16:00 (CEST)  
Online

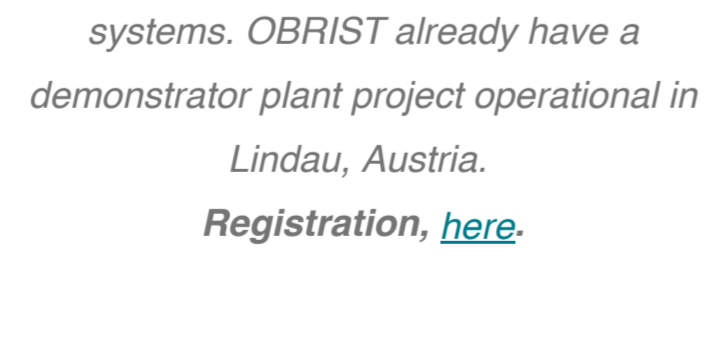
Join OBRIST Group in a webinar touching on their plans to develop DAC anchored in over 20 years of experience in thermal management and automotive powertrain systems. OBRIST already have a demonstrator plant project operational in Lindau, Austria.  
[Registration, here.](#)



### Scrubbing the Skies: What Role Will Carbon Removal Play Under Article 6 of the Paris Agreement?

8th July - 18:00-19:00 (BST)  
Online

Will Burns alongside guest, Danny Cullenward examine the potential role of carbon removal under the so-called "market-based" provisions of Article 6 of the Paris Agreement looking into the controversies from the past (Clean Development Mechanism, Kyoto Protocol) and how we can avoid the same pitfalls with A.6.  
[Registration, here.](#)



### 45Q Carbon Oxide Conversion LCA Training Workshop (Hybrid)

8th-9th July - 13:00-17:00 BST  
Hybrid - 1000 Pennsylvania Avenue, NW Washington DC

[In Person Registration](#)  
[Virtual Registration](#)



### The State of CDR in the European Union

July 4th - 12:00-15:00  
Brussels

The United States Energy Association, the U.S. Department of Energy (DOE), and the National Energy Technology Laboratory (NETL) are hosting a hybrid training workshop. This workshop will inform stakeholders and lifecycle analysis (LCA) professionals about the tools and resources available from NETL to support the development of LCA compliant with the 45Q requirements  
[Registrations, here.](#)

The authors of the report and a panel of experts to reflect on how the EU can take a more proactive role in developing regulations, funding research, development and demonstration projects, and promoting sustainable deployment of CDR technologies to address climate change.  
[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!

- [Junior Engineer to the CTO](#) (Carbon Atlantis, Munich)
- [North America Strategy and Commercial Manager](#) (Skytree, hybrid, Toronto)
- [Business and Strategy Associate](#) (Sirona Technologies, Brussels)
- [Electrochemist](#) (Yama, Paris)

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

[DACC Jobs Board](#)

