

5 groundbreaking European startups revolutionising Carbon Tech for a greener planet

Maddyness teams up with Net Zero Insights to uncover the latest trends in climate tech, showcasing 5 startups transforming our approach to carbon capture, removal and mitigation.

Temps de lecture : minute

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ClimeFi: Enabling permanent carbon removal for a sustainable future

ClimeFi is dedicated to helping organisations reduce their carbon footprint through the procurement of permanent carbon removal credits. The company offers a curated selection of carbon removal projects that are rigorously verified for permanence, additionality, verifiability, and net negativity. This enables buyers to optimise their climate impact while supporting the growth of the carbon removal industry.

ClimeFi's innovation plays a vital role in Climate Change Mitigation: By facilitating the removal of carbon dioxide from the atmosphere, contributing to long-term environmental sustainability.

- Website: ClimeFi.com
- HQ Location: Paris, France
- Founded: 2022
- UN SDGs: 12. Responsible consumption and production, 13. Climate action

Limenet: Pioneering carbon dioxide removal via ocean alkalinity enhancement

Limenet specialises in removing carbon dioxide from the atmosphere through innovative ocean alkalinity enhancement techniques. Its cutting-edge technology captures CO₂ from atmospheric or industrial sources and converts it into an aqueous solution of calcium bicarbonates.

This groundbreaking innovation contributes to:

- Climate Change Mitigation: By significantly reducing greenhouse gas emissions.
- Biodiversity and Ecosystem Protection: By combating ocean acidification, aiding in the restoration and preservation of marine ecosystems.

Limenet's approach represents a sustainable and impactful solution to address global environmental challenges.

- Website: limenet.tech
- HQ Location: Milan, Italy
- Founded: 2023
- UN SDGs: 12. Responsible consumption and production, 13. Climate action, 15. Life on land.

Carbonaires: Technology-Driven carbon asset management aligned with ESG principles

Carbonaires provides a cutting-edge web-based platform designed to help companies gain a holistic understanding of their carbon footprint. This platform enables businesses to track emissions across multiple sources, generate detailed reports, and offset unavoidable emissions by

purchasing carbon credits. With advanced features such as AI-driven due diligence, digital twin technology, and robust analytics, Carbonaires ensures transparency, accuracy, and efficiency in managing carbon assets.

As a leader in climate innovation, Carbonaires actively contributes to climate change mitigation by investing in high-integrity projects to generate reliable carbon credits, promoting sustainable and impactful environmental solutions.

- Website: carbonaires.com
- HQ Location: London, United Kingdom.
- Founded: 2021
- UN SDGs: 12. Responsible consumption and production, 13. Climate action.

CarbonPool: Securing carbon credit investments with in-kind insurance solutions

CarbonPool provides credit insurance to ensure companies can confidently rely on the carbon credits they purchase, offering in-kind claims payments for added security. The company delivers bespoke in-kind insurance solutions to carbon credit developers, corporate buyers, and investors. By leveraging advanced environmental and weather modelling alongside actuarial techniques, CarbonPool creates tailored risk models that provide projects with sufficient risk capital to cover unexpected losses or accidental emissions.

CarbonPool's insurance safeguards against carbon credit shortages and reversal events caused by natural disasters, weather fluctuations, or equipment failures, compensating clients with replacement credits. Premiums collected from clients, along with CarbonPool's capital, are

invested in high-quality carbon removal projects, enabling in-kind payouts.

CarbonPool's innovation contributes to Climate Change Mitigation: By de-risking the voluntary carbon market, building trust, and attracting more investment into carbon removal solutions.

- Website: carbonpool.earth
- HQ Location: Zurich, Switzerland
- Founded: 2023
- UN SDGs: 12. Responsible consumption and production, 13. Climate action

Bio-Logical: Advancing carbon dioxide removal through Biochar

Bio-Logical specialises in carbon dioxide removal through the conversion of agricultural waste into biochar, a durable material that sequesters carbon for the long term. The company combines this biochar with organic fertiliser and provides it to smallholder farmers in the region. This process not only revitalises the land but also enhances crop drought resistance and boosts yields. The resulting carbon credits generated from this practice are then sold on the market.

Bio-Logical's innovation contributes to:

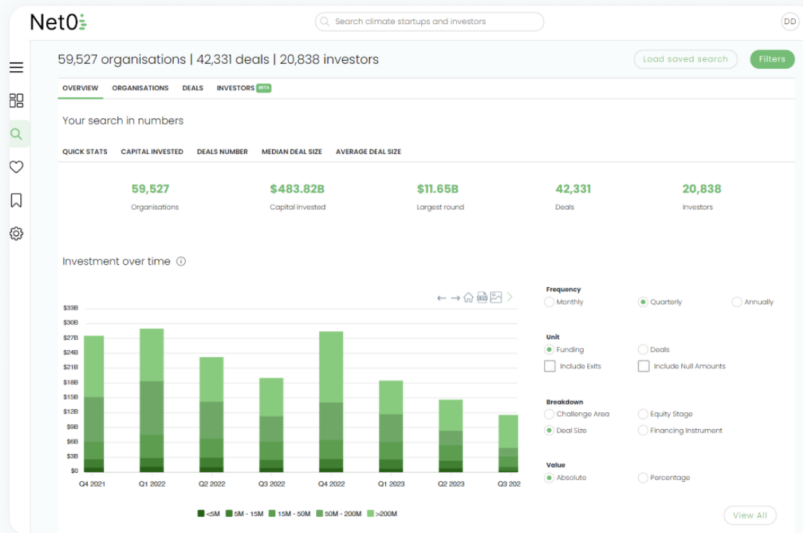
- Climate Change Mitigation: By reducing greenhouse gas emissions through carbon sequestration.
- Climate Resilience and Regenerative Agriculture: By enabling more sustainable, climate-resilient agricultural practices that improve soil health and increase productivity.
- Website: bio-logical.green

- HQ Location: London, United Kingdom
- Founded: 2022
- UN SDGs: 2. Zero hunger, 7. Affordable and clean energy, 12. Responsible consumption and production, 13. Climate action

The challenge posed by the climate crisis is monumental: an estimated \$6.2T in annual investments is required to reach net zero by 2050. This is more than an environmental shift—it represents a complete rewiring of our economy, necessitating the rapid and large-scale deployment of capital.

Innovation is at the heart of this transition, from groundbreaking ideas like Carbon Capture to the widespread adoption of solutions like electric vehicles and solar energy. The mission of Net Zero Insights is to power this capital flow by equipping leaders with crucial climate tech data, insights, and research.

Since 2019, they have tracked over 80,000 organisations and analysed millions of data points to offer the most comprehensive view of the climate tech market.



Trusted by



By connecting key players in the field, Net Zero Insights aim to fuel ecosystem growth and accelerate progress towards the UN’s climate goals and to become the trusted partner for leaders seeking reliable and in-depth data on climate tech—from the lab to public market companies.

Net Zero Insights, Market Intelligence for the Net Zero Economy.



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