

Puro.earth



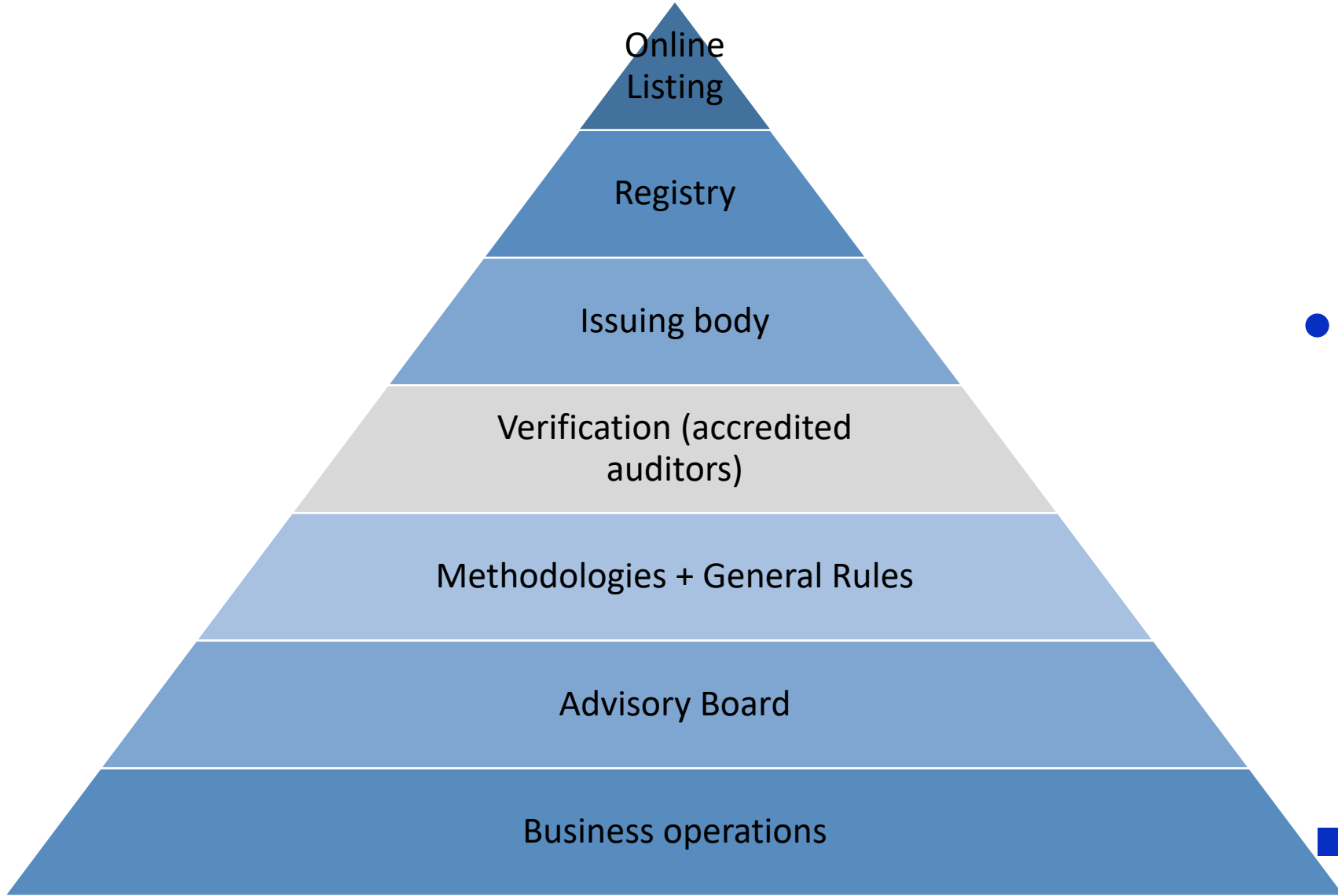
Overview and Updates for 2024

North American Biochar Conference
February 13, 2024



Puro.earth is the carbon crediting platform focusing on engineered and hybrid nature-based carbon dioxide removal (CDR)

We help monetize negative emissions



History

April 2019

Fortum, a leader in clean energy and sustainable solutions, launches the first marketplace for technology-based CO₂ removals, including the world's first carbon crediting methodologies for biochar, wooden building elements and carbonated building materials.



February 2021

From a total of 189 submissions, Microsoft selects 5 carbon removal projects of which 3 are based on the Puro Standard.



October 2021

Puro.earth pioneers the first carbon crediting methodology for geologically stored carbon.

Feb 2022

Puro.earth launches **Puro Registry**, the first public registry dedicated to carbon removal. Public consultation launched for world's first carbon crediting methodology for Engineered Biomass Deposits.

Sept 2022

Puro Accelerate, the program to scale the carbon removal ecosystem through advance market commitments and the Pre-CORC is launched.

2024: CORSIA & IC-VCM

May 2019

World's first CO₂ removal auction fetches higher average price for carbon removal credits than EU Emissions Trading System (ETS). Participants in the auction include Swiss RE and SEB Group.



June 2021

Nasdaq takes a majority stake in Puro.earth.

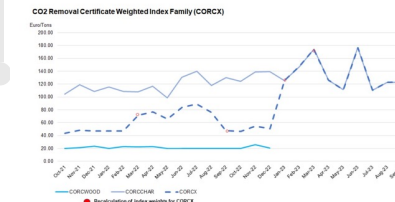


October 2021

Puro.earth appoints an independent Advisory Board to oversee the Puro Standard methodologies and crediting rules. The Advisory Board is led by Prof. Myles Allen who first demonstrating the need for "Net Zero" emissions to stop global warming.

March 2022

Puro.earth and Nasdaq create a first-of-its-kind index family that tracks the price of sequestering carbon through engineered methods



Feb 2023

The Puro Standard becomes the first crediting program focused on durable carbon removal to receive endorsement from the International Carbon Reduction and Offset Alliance (ICROA) Alliance



Puro.earth and Nasdaq Partnership

PURO.EARTH MISSION:

To mobilize the world's economy to reward carbon net-negative emissions.

Innovation in carbon removal

Advisory Board

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Registry and Matching

Standard for carbon removal



NASDAQ MISSION:

To create markets with high integrity, for everyone.

Technology

Corporate Demand

Nasdaq

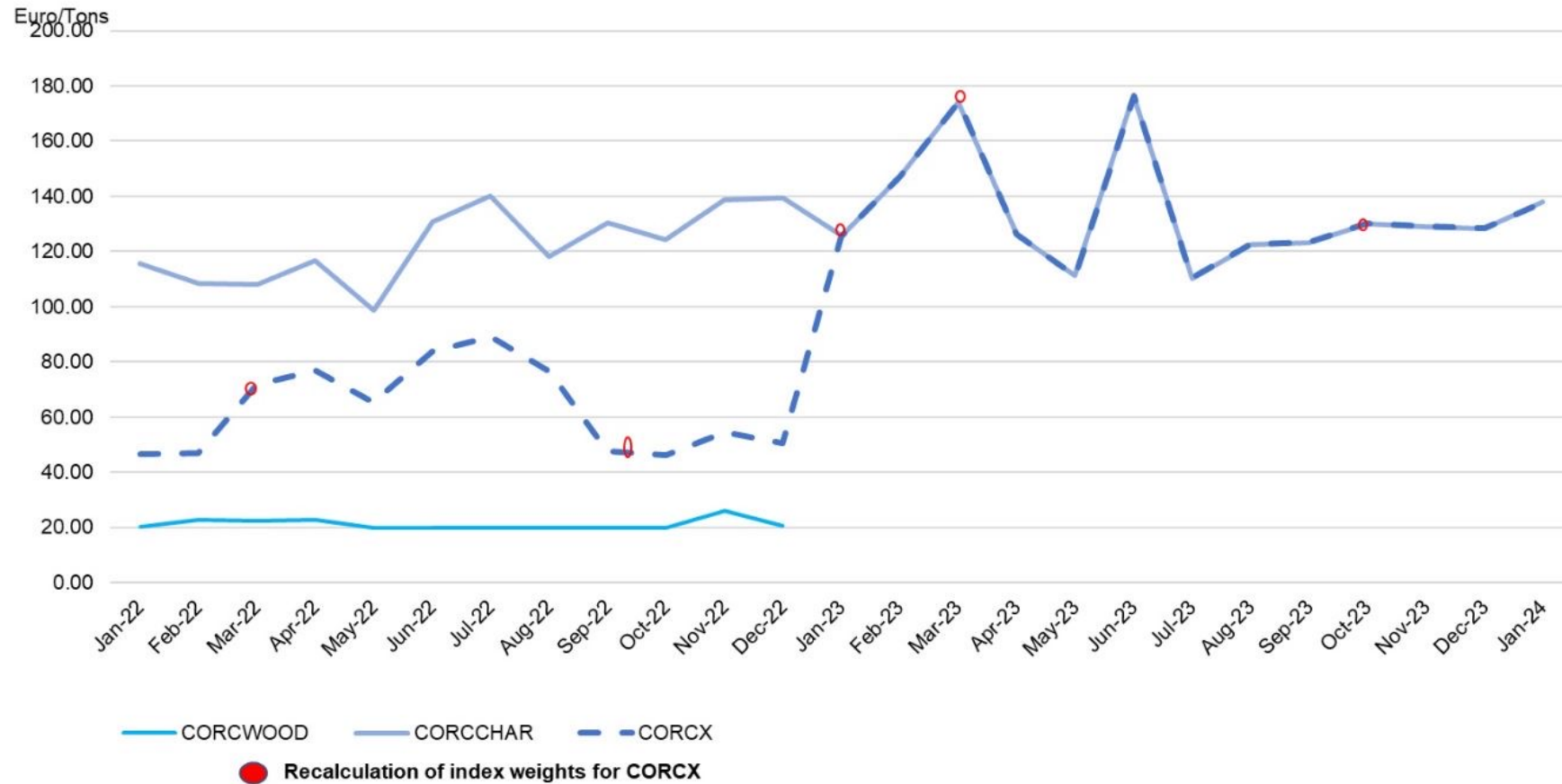
Financial Network

Transparency & Liquidity

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CO2 Removal Certificate Weighted Index Family (CORCX)



Defossilization hierarchy

Avoid

Avoid fossil carbon-intensive activities

Replace

Replace high-fossil-carbon materials / energy with low carbon

Reduce

Do whatever you do more efficiently

Remove

Emission removals for activities that cannot be eliminated

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Reaching Net Zero by 2050

Even after reducing emissions by 80-90%, we would still need to remove between 5 and 10 GT of carbon each year

What is carbon removal?

Capture



Stabilization
transportation



Storage

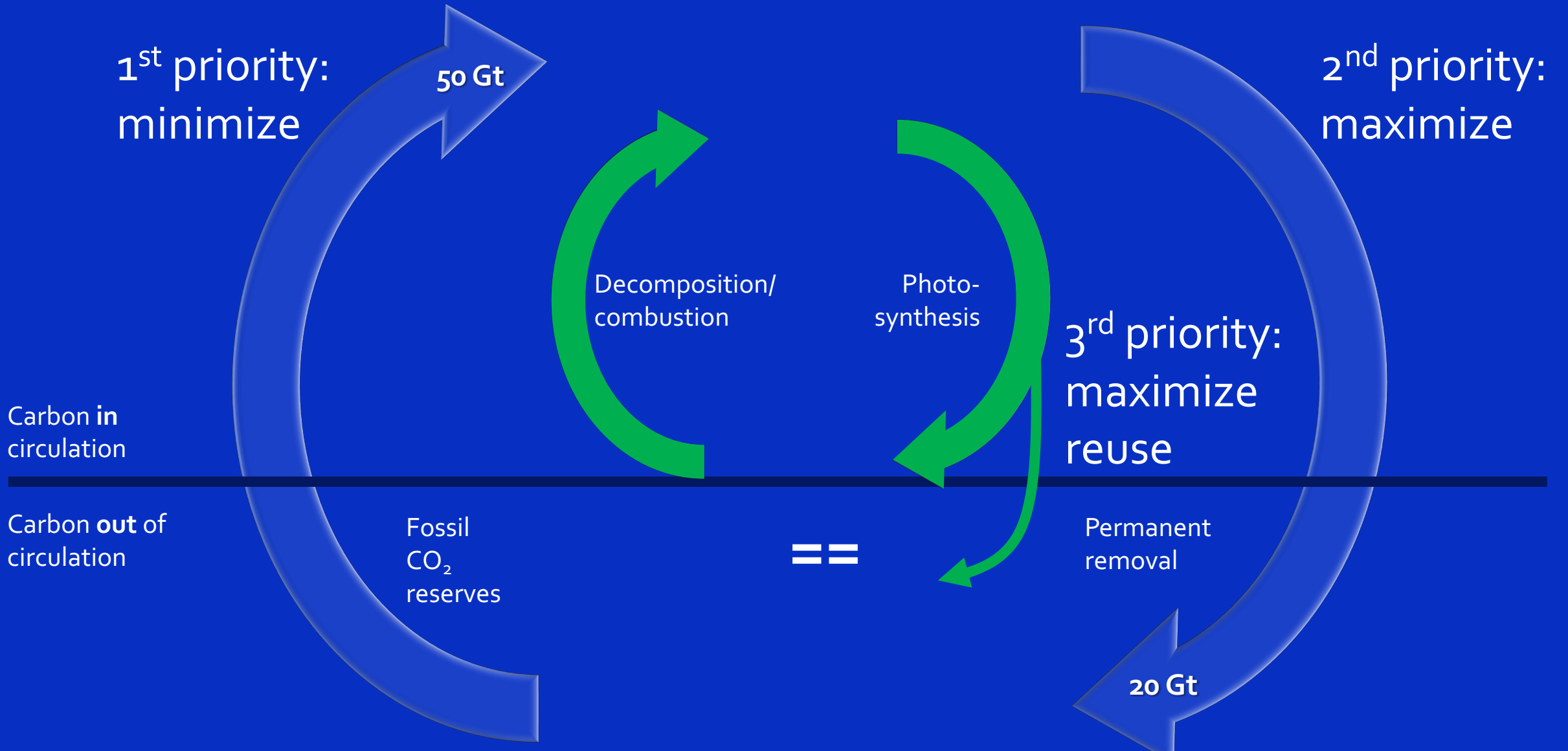


Carbon
removal

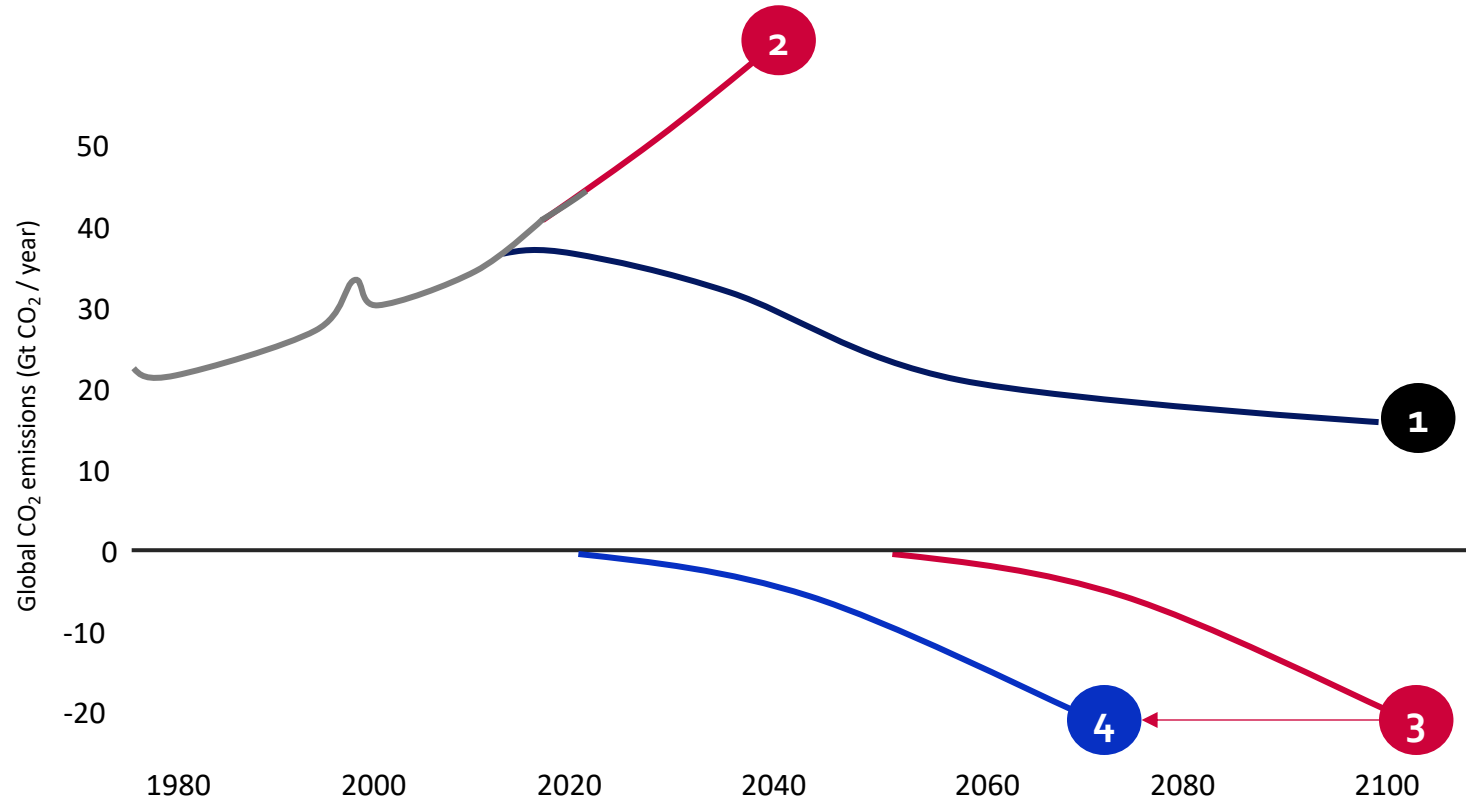


According to the IPCC, carbon removal is about more than removing CO₂ from the atmosphere. It's also about: "durably storing it in geological, terrestrial, or ocean reservoirs, or in products."

What goes up, must come down



Why we need to focus on carbon removals now



1. What we said we would do

The Paris Agreement target

2. What we are doing

Nationally determined contributions

3. What we plan to do next

The current plan is to focus on reductions first and then neutralize residual emissions with removals afterwards

4. What we should be doing instead

Expedite removals to help flatten the curve

* IPCC special report, summary for policymakers, page 24

Choose biochar for:



Trusted carbon removal

One of the safest, most durable & fastest ways to draw down carbon, according to the IPCC



Guaranteed permanence 100+ years

Lower-cost long-term storage with virtually no risk of reversal



Impact beyond carbon

Up to 12 out of the 17 UN Sustainable Development Goals



Improves agricultural productivity



Provides additional income to small farmers



Remediates contaminated sites



Can be used as a sorbent for water treatment



Generates renewable energy



Diverts organic waste from landfill



What's Next for Biochar at Puro.earth?

- Updated biomass sourcing in February 2024; comprehensive cross-methodology sourcing criteria update also forthcoming
 - Biochar methodology update using latest science to occur in 2024
 - Likely inclusion of CORC1000 designation for specific biochar types
 - CORSIA & IC-VCM applications to be submitted in Q1 2024, endorsements/accreditations expected

Is now the time for biochar or am I too early?

The world's leading crediting platform for engineered carbon removal

Puro.earth has enabled:

74 Projects
17 Countries
350,988 tons

of CO₂ removed, and accelerating carbon removal by the day!

400,000 CORCs predicted for 2024 alone

puro.earth

Thank you!

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