

Lithos Selects Puro.earth to Certify Its Enhanced Rock Weathering Carbon Removal Credits

Helsinki, Finland — March 5, 2025. Puro.earth, the world's leading carbon crediting platform for engineered carbon removal, has announced that Lithos Carbon, a pioneer in Enhanced Rock Weathering (ERW) technology, has selected Puro.earth to certify its carbon removal credits under the globally recognized Puro Standard for engineered carbon dioxide removal (CDR).

Lithos Carbon utilizes ERW, a process that accelerates the natural weathering of rocks to capture and store atmospheric CO₂. Lithos repurposes finely crushed, nutrient-rich volcanic rock—a waste byproduct of the aggregate and mining industries—to enhance the soil's ability to absorb carbon dioxide while simultaneously improving soil health and crop yields. Lithos Carbon's work focuses on the cost-effective scale-up of efficient supply chains while rigorously quantifying that ex-post carbon dioxide removal from the atmosphere has been achieved.

Through the certification process, Lithos' carbon removal will be rigorously evaluated against the Puro Standard methodology for ERW to ensure compliance with its stringent criteria for durability, measurability, and scalability. Lithos joins Puro.earth's leading network of over 250 carbon removal suppliers and upon certification will be able to offer CO₂ Removal Certificates (CORCs) to corporate buyers issued in the Puro Registry.

"Pursuing certification through Puro.earth is a natural next step and significant milestone for Lithos," said **Mary Yap, CEO of Lithos**. "We've already demonstrated our data-driven solution's impact in the carbon market, enabling widespread adoption among diverse farmland partners. But partnering with Puro.earth, an organization renowned for its exacting standards across pathways from biochar to Direct Air Capture, will further demonstrate the effectiveness and reliability of our proven methodology and help us scale the high standards expected by carbon buyers in a market driven by trust and transparency."

Lithos aims to remove millions of tons of CO₂ from the atmosphere annually through its ERW technology. The company works closely with farmers to implement its solution, creating a win-win scenario that combines carbon removal with agricultural benefits.

"We are honored to work with Lithos as they pioneer innovation in enhanced rock weathering (ERW) for carbon removal," said Antti Vihavainen, Vice Chairman of Puro.earth. "Their cutting-edge approach, which leverages advanced machine learning algorithms to maximize CO₂ capture and agricultural benefits, is paving the way for significant climate impact using ERW. With the largest-ever rock weathering carbon removal purchase secured—\$57.1 million for 154,240 tons of CO₂ removal—Lithos has demonstrated both scientific leadership and strong market validation."

About Puro.earth

Puro.earth is the world's leading carbon-crediting platform for durable carbon dioxide removal (CDR). Via the Puro Standard's rigorous carbon credit methodologies, suppliers that remove carbon dioxide from the atmosphere for at least 100 years are certified and issued CO2 Removal Certificates (CORCs) into the transparent Puro Registry. CORCs are then purchased by ambitious corporations like Microsoft, Shopify, and Zurich Insurance, to help address climate change and neutralize residual carbon emissions. In 2021, Nasdaq acquired a majority stake in Puro.earth and together are driving forward the carbon removal industry, enabling new revenue streams to accelerate its growth. Follow us on [LinkedIn](#). For further information or media inquiries, please contact puroearth@cognitomedia.com

About Lithos

Lithos Carbon is a carbon removal company scaling Enhanced Rock Weathering (ERW) as a solution to the climate crisis. Lithos Carbon's mission is to transform farmland into carbon capture centers — permanently removing a billion tons of atmospheric CO₂ within a decade while improving crop yields. Founded in March 2022 by repeat entrepreneurs and the world's leading experts in atmospheric geochemistry, Lithos Carbon's technology permanently traps CO₂ from the atmosphere in a matter of human seasons rather than geologic millennia. Cost effective, immediately scalable, and empirically measured, Lithos Carbon's deployments are custom designed to improve yield, protect crops, and enhance soil conditions. To date, Lithos Carbon has applied hundreds of thousands of tons of fine basalt rock dust across ten states in North America. Lithos has collected over 40,000 soil cores that are being used to validate precise carbon removal in new regions. To learn more, visit www.lithoscarbon.com.