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TerradotÂ to scale Enhanced Rock Weathering (ERW) as a cornerstone of global carbon removal efforts

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TerradotÂ â?? a climate company uniting global leaders in science, technology, and climate has launched the goal of scaling Enhanced Rock Weathering (ERW) as a cornerstone of global carbon removal efforts. The company debuts with $58.2 million in funding from some of the biggest names in climate and technology, as well as signed agreements to remove nearly 300,000 tonnes of CO2 from earthâ??s atmosphere â?? the largest volume of carbon removal sold by an ERW company.

The carbon removal agreements include a 90,000 tonne, $27 million purchase by Frontier buyers for delivery between 2025 and 2029. Google, a Frontier member, has signed an additional deal with Terradot to remove 200,000 tonnes in 2029 and beyond â?? representing the tech giantâ??s largest single purchase of carbon dioxide removal (CDR) and also its largest single purchase from an enhanced weathering project. Early purchases from Frontier buyers for deployments between 2025 and 2030 will lower the price per ton, allowing Google to benefit from reduced costs for the later deployment.

Terradotâ??s investors include Lead, John Doerr; Individuals, Sheryl Sandberg & Tom Bernthal, George Roberts; Strategics, Microsoftâ??s Climate Innovation Fund, Google, Cisco; and Venture Funds, Floodgate, Kleiner Perkins, Acre Venture Partners, Gigascale Capital, Valor Capital, Ponderosa Ventures and others. The $58.2 million in funding includes $4.2 million in seed funding and a $54 million Series A round, which recently closed. The investments from Google and Microsoft represent both companies' first-ever direct investment in an ERW company.

Terradot aims to transform the natural process of rock weathering into a global carbon removal solution within the next decade. Terradot has assembled a team of leading scientists, engineers, and operators who are working to solve some of the most important problems in ERW: defining the exact parameters that maximize COâ?? uptake and creating the highest

precision measurement, reporting, and verification (MRV) tools. Terradot aims to build this research into a suite of tools and a digital platform that will enable ERW to integrate into existing agricultural and industrial systems worldwide â?? opening a key path to rapid scale within this decade.

Terradot is already running scaled pilot operations in Brazil â?? one of the worldâ??s most optimal locations for ERW on account of its tropical soils, strength in agriculture, and 93 percent clean electricity matrix. In Brazil, Terradotâ??s pilot is bringing together industry, government, and academic partners to scale ERW projects across the country, leveraging existing farmland in close proximity to quarries to reduce the complexity and cost of project development and deployment.

To advance this new model for scalable ERW, Terradot has established a collaboration with EMBRAPA, Brazilâ??s foremost agricultural research institution. Together, Terradot and EMBRAPA Cerrados are developing pilot projects building towards an ERW framework that can scale throughout the country, tapping into its vast agricultural strength and carbon removal potential.

In just over a year of operations in Brazil, Terradot has spread more than 48,000 tons of rock over 1,800 hectares of agricultural land. These trials have generated promising early results, showing that tropical temperature and humidity can improve weathering rates.