

**Title:** Carbon Capture in Soils: The Answer to Limiting Climate Change is Under Our Feet

**Sub-title:** An early career researcher's talk on green careers, climate anxiety, and research.

**Blurb:** 'Will reducing our emissions to zero be enough to limit climate change? No. Does that mean all hope is lost? No.

The answer to limiting climate change is underneath our feet.

Soil is the largest land-based reservoir of carbon on the planet. Through a nature-based carbon capture method called "enhanced weathering," we can utilise soils' incredible ability to capture carbon and store potentially millions of metric tonnes of CO<sub>2</sub> annually.

Understanding the microbial diversity and metabolic interactions that take place to promote natural carbon capture will allow for better land management practices and fill knowledge gaps in the literature that could lead to further innovation in the field of carbon capture.

This is where my research comes in.'