

What is enhanced rock weathering?

Enhanced rock weathering (ERW) is a highly scalable carbon removal technology that locks up CO₂ for 100,000+ years, and UNDO are now delivering enhanced rock weathering projects in the US, UK, and Australia.

The permanence of an engineered removal, with the co-benefits of a nature-based solution:

- ERW helps farmers **achieve crop yield increase of up to 16%**
- ERW **increases soil health**, reducing the need for soil amendments
- ERW **drives revenue back to local agricultural communities**
- ERW **reduces ocean alkalinity** to improve water systems

Why do we love UNDO's enhanced rock weathering?

- **Permanent:** Your carbon is locked up for 100,000+ years
- **Scalable:** ERW can scale to billion-tonne removals each year
- **Co-benefits:** Considerable co-benefits vs engineered removals
- **Natural:** Leveraging naturally occurring processes
- **Speed:** UNDO are ready to deliver 100,000t removal projects

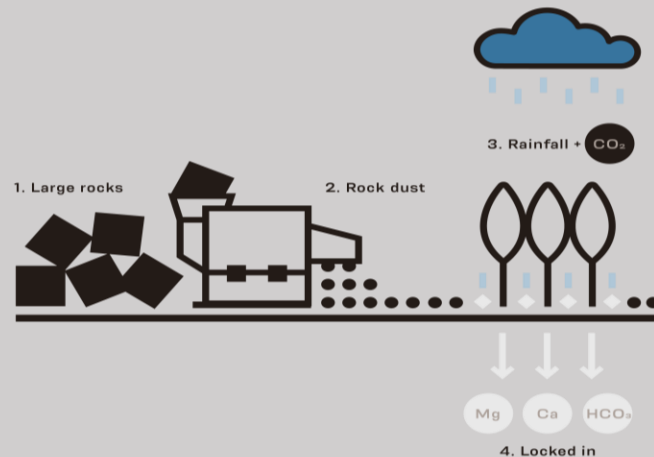


The science behind enhanced rock weathering

Rainwater contains CO₂ from the atmosphere. When it rains, the CO₂ interacts with silicate rocks such as basalt, locking it up as a solid bicarbonate, where it's stored for 100,000+ years.

UNDO speeds up this process by using crushed basalt, which has a greater surface area, and spreading it on agricultural land with farming partners. Enhanced rock weathering not only permanently removes carbon, but also delivers significant soil and crop health benefits for our partners.

Find basalt, spread basalt, remove carbon



[CHECK OUT THIS UNDO EXPLAINER VIDEO](#)