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Your climate action partner

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The Challenge of NET ZERO



Carbon Removals are set to compensate for **unavoidable emissions**.

The supply of removals should increase **one-thousand**-fold by 2050 under IPCC scenarios aligned with the Paris Agreement*.

Closing the carbon removal gap is an urgent problem of today!

*Smith, S.M., Geden, O., Nemet, G.F. et al. 2023. [The State of Carbon Dioxide Removal](#), 1st edition. doi: 10.17605/OSF.IO/W3B4Z

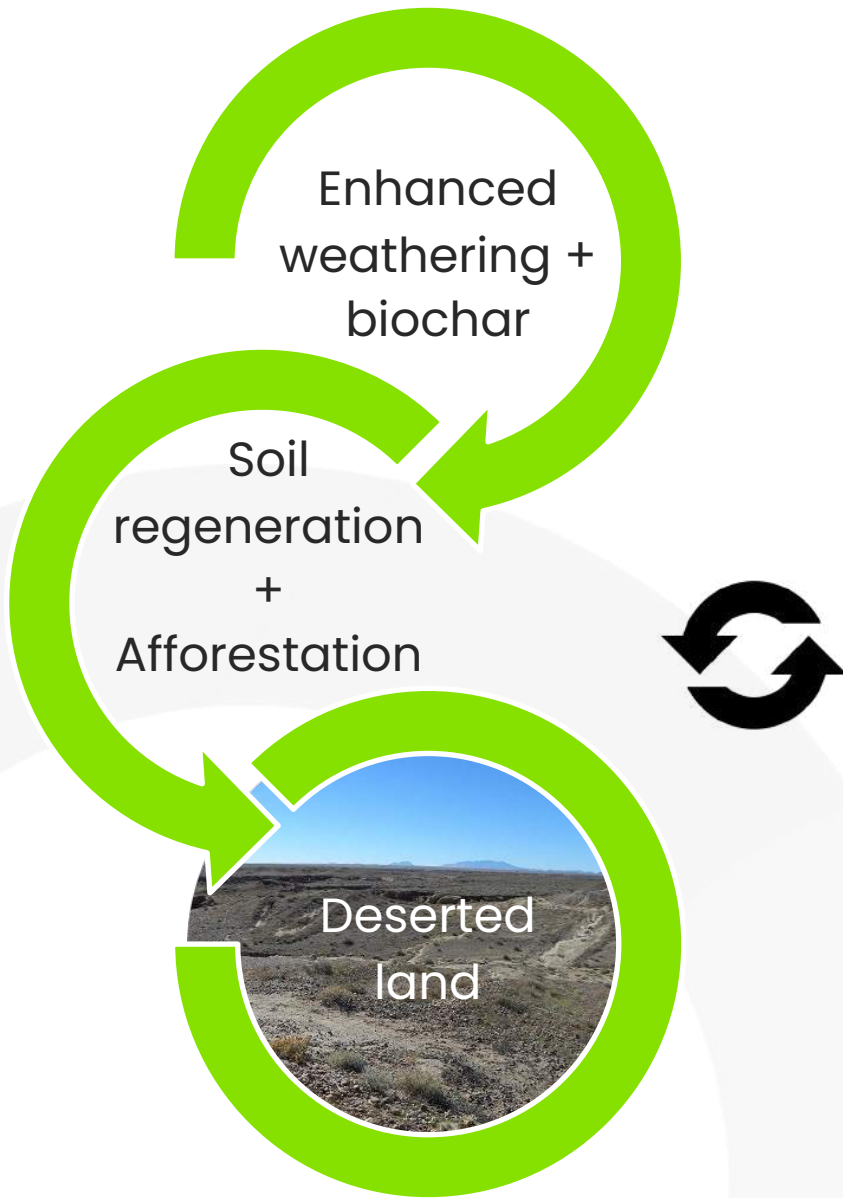
Climate Action Beyond Carbon

“It is necessary to protect and restore ecosystems to achieve net zero globally and to support adaptation to climate change impacts, irrespective of whether such projects generate credits that are retired as offsets.”*

Oxford Principles for Net Zero

**Temporary nature-based carbon removal can lower peak warming in a well-below 2 °C scenario: Communications Earth & Environment 3(65): 1–8. doi: [10.1038/s43247-022-00391-z](https://doi.org/10.1038/s43247-022-00391-z)*

Offering: Deserted Land Reclamation



Per Hectare Approach

- ✓ **Permanent CDR:**
EW + Biochar
15 + 35 t CO₂e
- ✓ **Short-lived CDR:**
SOC + Trees
50 + 250 t CO₂e
- ✓ **Biodiversity gains**
- ✓ Local **community** co-benefits

What is Enhanced Weathering

Natural rock weathering is a geological process that removes up to 4 Gt of CO₂ from the atmosphere per year globally. As silicate rocks weather, they capture carbon from the atmosphere permanently, but it happens at extremely slow rates over tens of thousands of years.

Enhanced Rock Weathering fast-tracks the carbon removal process from thousands of years to years – decades by crushing large silicate rocks into fine particles or gathering residual rocks from other processes, such as quarry operations, and applying rocks to soil.

ERW can accelerate carbon removal by:

- Selecting the most reactive rock types.
- Increasing the surface area of the rock, by crushing it.
- Applying rocks to optimal soils and climatic conditions.





Silicate rock soil treatment brings significant benefits to plants, resulting in better plant growth and survival rate

- ✓ Soil PH stabilization
- ✓ Provides basic nutrients to plants (K, Mg, Ca, Mg, Fe)
- ✓ The silicates improve plants resilience to pests and diseases

We use EW in the reclamation of tailings pond in our first project in Pirdop (Bulgaria).

Certification

We operate under the PURO standard



PURO is the world's leading carbon crediting platform for engineered CDR. It is the first and only up-to-date standard certifying EW carbon credits, named CORCs. More on the rules, 3rd party validation, and verification [HERE](#).



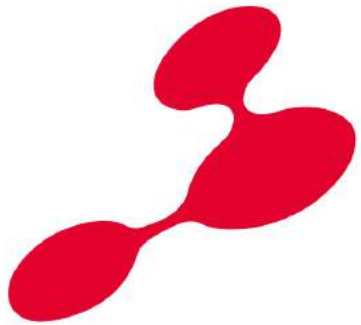
EU's carbon removal certification regulation is in an early stage of development. The initial communication of the Commission states that it will not develop new methodologies, but rather adopt the most reputable on the market ones. We follow closely and are ready to migrate our operations to a higher standard if one appears. More on the EU carbon removal certification framework [HERE](#).



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What we offer:

*In Value Chain Mitigation
Consultancy*

*Beyond Value Chain Mitigation
Climate action under Pre-purchase or
Offtake Agreement*



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Let's work together

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