Anthesis

Regenerative Agriculture Project in Africa

AgriCarbon is our pioneering, flagship carbon farming programme designed to reward farmers for adopting sustainable farming practices. It is Africa's first regenerative farming project to achieve Verra registration and carbon credit issuance under Verra's VM0042 Agricultural Land Management Methodology.

About The Project

Launched in 2021 in South Africa, AgriCarbon promotes regenerative farming practices like cover cropping, reduced tillage, and diversified crop rotations. These methods improve soil health, boost agricultural productivity, and transform farmland into carbon sinks by removing carbon dioxide from the atmosphere and helping to mitigate climate change.

By adopting these sustainable land management practices, farmers reduce and remove greenhouse gas emissions from the atmosphere, which can be monetised through the sale of carbon credits. These credits provide an additional revenue stream, helping farmers finance the transition to the adoption of regenerative agriculture – benefitting both the environment and farm profitability.

What Carbon Credit Issuance Means

→ **For Our Farmers:**
Generates revenue through carbon credits, rewarding sustainable practices that improve soil health, boost biodiversity, and enhance climate resilience. Regenerative methods increase yields, cut costs, and secure long-term profitability.

→ **For Our Carbon Credit Buyers:**
Provides assurance that credits meet the highest standards of quality and integrity, enabling companies to confidently demonstrate their commitment to tackling climate change responsibly.

→ **For Regenerative Agriculture:**
Supports a sustainable business model where farming practices actively reduce carbon emissions while enhancing food production, strengthening rural economies, and improving soil health for future generations.

What is Regenerative Agriculture?

It is a holistic farming approach that aims to improve soil health, enhance biodiversity, and promote ecological resilience while also producing food. The basic principle of regenerative agriculture is to work with the natural systems rather than against them. It is an effective way of reducing greenhouse gases by turning soil into carbon sinks and removing CO_2 from the atmosphere.

Advantages

Climate and Environment

- **Carbon Sequestration:** Practices such as cover cropping, crop rotation, reduced tillage, and agroforestry help increase the amount of carbon stored in the soil, reducing atmospheric CO_2 and mitigating climate change.
- **Biodiversity:** By creating habitats for beneficial insects, birds, and other wildlife, regenerative farming supports ecosystem restoration and resilience.
- **Water Conservation:** Improved soil structure enhances water retention, reducing the need for irrigation and supporting long-term water conservation.
- **Reduced Chemical Inputs:** Regenerative agriculture relies more on natural inputs, significantly reducing or eliminating synthetic fertilisers and pesticides.

Social and Economic

- **Food Security:** Healthier soils and more diverse cropping systems can improve yields and food quality, supporting food security in local communities.
- **Economic Benefits:** Farmers can generate additional income through the sale of carbon credits, while sustainable practices reduce input costs over time.
- **Community Resilience:** Regenerative methods strengthen ecosystems, helping communities better adapt to the impacts of climate change and other environmental challenges.

Health

- **More Nutrient-Dense Food:** Healthier soils often produce crops with higher levels of essential vitamins, minerals, and antioxidants.
- **Lower Exposure to Toxins:** With reduced reliance on synthetic chemicals, both farmers and consumers face fewer health risks from chemical exposure and residues.

Collaboration

AgriCarbon is certified under the Verified Carbon Standard (VCS), with rigorous monitoring and auditing of emission reductions and removals. As part of the Anthesis Group, we benefit from strategic and financial backing to drive CO_2 reduction through impactful climate initiatives.

We are a founding member of ICROA, which independently audits our methodologies to ensure credibility. Our certified climate projects, robust Monitoring, Reporting, and Verification (MRV) system, and partnerships with Trace & Save and Intelact ensure transparency and accuracy. The programme's first issuance was validated by SCS Global, with our soil carbon model independently assessed by Wageningen University's Nutrient Management Institute, confirming its scientific rigour.

Verified Carbon Standard

TRACE & SAVE

SCSglobal SERVICES

intelact

Supporting Farmers and Scaling Sustainable Solutions

Looking ahead, Anthesis is committed to expanding its impact through this programme, helping more farmers worldwide participate in carbon markets and contribute to climate action. AgriCarbon will continue providing farmers with technical support, training, and tools to maximise carbon sequestration and enhance climate resilience.

To learn more about AgriCarbon, please visit:

AGRICARBON.CO.ZA