

The Need For Quality Carbon



Making a
difference today for
a better world
tomorrow.

No matter where you are in the world, you have either seen or experienced some form of a natural disaster. It is predicted that as the Earth's temperature change reaches and rises beyond 1.5° C, natural disasters will increase, forests will be significantly diminished, all species will be in jeopardy, and our way of life will be threatened. Over the last two years, we have seen a major uptick in governments making net-zero commitments. Without the private sector, the Voluntary Carbon Market (VCM), and high-quality carbon project developers, net-zero will not be attainable. The VCM is an important part of decarbonizing our global economy and is one of the most valuable tools we have today that can make a positive impact as we work to prioritize emission reductions.

High-Quality in the VCM

At ClimeCo, we look to ensure that our projects go above and beyond the standards, making certain that each activity is quantifiable, defensible, and positively impacts the community and environment in which it is located. We believe third-party registries and independent verification are the minimum requirements for developing high-quality credits. ClimeCo defines high-quality credits as a real reduction or removal of CO_{2e} that is third-party verified, additional, quantifiable, durable, avoids leakage, and is listed on a reputable carbon registry.

ClimeCo is dedicated to developing two categories of high-quality projects – nature-based solutions (NBS) and industrial/technology-based solutions (industrial). We believe that with careful design and measurement, both types will play an essential role in the deep decarbonization that our planet needs.

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High-Quality Nature-Based Solution Projects

NBS projects can sequester carbon and “remove” it from the atmosphere through activities such as reforestation/afforestation, or protect existing carbon stock and avoid emissions. Protecting and restoring ecosystems is necessary for the fight against climate change.

These activities also have benefits beyond sequestering and storing carbon. They support biodiversity, clean water, and can be an essential source of food and resources for local and indigenous peoples. This is the core of any high-quality NBS project - enhancing co-benefits and ensuring impacted communities receive their share of positive outcomes is a key priority.

One of the most common types of NBS projects is reforestation. Reforestation is the process of planting trees in areas where they once were or setting aside land for natural forest regeneration. Forests remove carbon by capturing carbon dioxide from the atmosphere and transforming it into biomass through photosynthesis. Forests mostly store carbon in trees and soil, which is why it is so important to not only plant new trees but to keep existing forests standing. In one year, a mature tree will absorb more than 48 pounds of carbon dioxide from the atmosphere and release oxygen in exchange.

Restoring these ecosystems is essential for a sound sustainable environmental future that supports biodiversity, habitats, and surrounding communities.



High-Quality Industrial/Technology Projects

Industrial/technical projects (industrial projects) can be designed for avoidance (prevent future emissions) or removal (direct-air capture of CO₂ in the atmosphere). While these projects do not usually have the suite of direct co-benefits as NBS, we still define them as high-quality because they offer immediate, permanent reductions of greenhouse gases (GHGs), and are a great choice when your primary goal is absolute accuracy in quantification.

In our N₂O projects, quantification is performed using measurements collected by Continuous Emission Monitoring Systems (CEMS). These take continuous measurements of GHG concentration within process waste gas as well as the flow rate of the waste gas. These measurements allow us to calculate the real-time reduction in emissions with near certainty.

There are also rigorous standards that are followed to ensure the accuracy of the CEMS components utilized. The GHG concentration analyzers are calibration error tested daily and must meet a high standard for accuracy.

Industrial projects foster innovation and help to scale capital-intensive emerging technologies such as alternative cement production, direct air capture, and carbon capture and utilization or storage (CCUS). These activities provide compelling solutions in the hardest-to-abate sectors, many of which are vital for our day-to-day lives, contributing to food and energy security, and a resiliently built environment. High-quality emerging technology projects prioritize activities that need extra funding to be deployed and support deep, economy-wide decarbonization.

Equally Needed

Both NBS and industrial projects are considered to make positive impacts on climate change, albeit each one does it slightly differently than the other. The critical factor is that if a carbon credit project is generated by a high-quality methodology, then we consider those credits to be high-quality.

There are high-quality methodologies for both types of projects, so both types can generate high-quality credits worthy of your consideration. But which project should you support?



That depends on your sustainability goals, your brand's specific missions, and what best aligns with your net-zero commitment. This is why ClimeCo works hard to develop a comprehensive project portfolio that offers both types of high-quality projects, so our clients have a choice when they are ready to use carbon credits in their sustainability journey.

About ClimeCo

ClimeCo is a respected global advisor, transaction facilitator, trader, and developer of environmental commodity market products and related services. We specialize in voluntary carbon, regulated carbon, renewable energy credits, plastics credits, and regional criteria pollutant trading programs.

Complimenting these programs is a team of professionals skilled in providing sustainability program management services and developing and financing of GHG abatement and mitigation systems.

