

 **em**spotlight

01

01.12.22

Cameroon **Sawa**





# Restoring Cameroon

*How reforestation in the Sawa is  
rewriting the rules of carbon capture*

**Selwyn Duijvestijn**, CEO, Dutch Green Business





## Cameroon **Sawa** VCS 11 SDG's **ARR**

**Project:**  
Sawa Afforestation &  
Reforestation Cameroon

**17,093,457** VCU's


**Location:**  
Centre Region,  
Cameroon

### Description:

A VCS CCB certified biodiversity and community focused afforestation & reforestation project in Sawa, Cameroon, with an expertly curated planting programme of species to meet local needs and promote long term success. Of the trees expected to be planted by the project, 80% will be fruit and nut trees, including avocado, mango, orange, apple, macadamia and cashew – selected by the farmers who are the sole beneficiaries of the harvesting. Around 10% will be indigenous tree species and 10% will be non-invasive plants such as Indian Bamboo.

The project has multiple locations, however, most of the trees will be planted in three villages in the Yoko Sub Division in the Centre Region of Cameroon spanning an area of over 30,000 hectares severely impacted by deforestation.

Approximately 40% of Cameroon remains covered by forest, however, deforestation has had a major impact in recent decades due to farming, logging and settlement expansion. Between 2001-2020, Cameroon lost 1.5 million hectares of tree cover, equivalent to a 4.9% decrease, and 903 million tons of CO<sub>2</sub>e emissions. The Centre Region of Cameroon, where most of the project sites are located, accounted for over half of the trees lost during this period.



Between 2001-2020,  
Cameroon lost 1.5  
million hectares of  
tree cover, equivalent  
to a **4.9% decrease,**  
**and 903 million tons**  
of CO<sub>2</sub>e emissions.



Cameroon **Sawa**  
**VCS 11 SDG's ARR**

**Project:**  
Sawa Afforestation &  
Reforestation Cameroon

Project History:

DGB is a project developer of high-quality large-scale carbon and biodiversity projects accredited by third parties. The Group is focused on nature conservation and helping biodiversity flourish by assisting governments and corporations in achieving net-zero.

DGB GROUP NV is a public company traded on the main Dutch stock exchange Euronext Amsterdam under the ticker symbol AEX:DGB and ISIN-code NL0009169515. Cameroon has suffered high rates of deforestation, and until now missed out on utilising carbon financing to replenish the natural carbon stock and reverse this trend.

Our project is the first verified carbon reduction project in Cameroon and one of the biggest afforestation and reforestation

projects in Africa. We are extremely proud of the tree nurseries we have established in Cameroon, which are now producing seedlings and one of the biggest on the continent.

focused on nature conservation and helping biodiversity flourish by assisting governments and corporations in achieving net-zero.



**The Group is focused on nature conservation and helping biodiversity flourish by assisting governments and corporations in achieving net-zero.**



**Project:**  
Sawa Afforestation &  
Reforestation Cameroon

# 17 million Verified Carbon Units over its 41-year project lifetime



## Expected credits:

The Sawa Project is expected to originate approximately 17 million Verified Carbon Units over its 41-year project lifetime (peaking at approximately 480,00 carbon credits per annum). The project started in March 2022 and can be extended after the initial 41 year crediting period.

## Local Jobs Created:

This project will benefit communities by providing much-needed job opportunities for younger people in particular, who are often most vulnerable to poverty.

Furthermore, the widespread planting of fruit and nut trees will offer the additional benefit of providing nutrition to these communities. The adoption of traditional farming methods will ensure employment opportunities are maximised.

## Community Gain:

DGB regularly engages and consults with diverse stakeholders regarding the project's impacts and activities. These stakeholders are identified by the local team responsible for outreach and engagement with communities and local, regional and national leaders.

Relevant stakeholders range from direct partners (landowners or community leaders), selected based on interest and eligibility to join the project, to representatives of the government, who are being engaged on an ongoing, regular basis in all areas that DGB has operations.



## Cameroon **Sawa** VCS 11 SDG's **ARR**

### **Project:** Sawa Afforestation & Reforestation Cameroon



### Local Involvement:

Cameroon's economy is largely agriculture-based, an industry that employs around 75% of the economically active population in the country's rural areas. Food security has been reduced and around half of the population lives in poverty (a problem which severely affects rural youth with a lack of opportunities).

Much of the country's economic and food security relies on subsistence farming. This is jeopardized by an ageing population in rural areas, due to mass migration to urban centres. This project will benefit communities by providing much-needed job opportunities for younger people, who are often most vulnerable to poverty. Furthermore, the widespread planting of fruit and nut trees will offer the additional benefit of providing nutrition to these communities. DGB engages with communities with the assistance of our

partners in the country. Through a series of mobilisation meetings, at an individual and village level, with the assistance of chiefs and notables, the community will be engaged in the project. Given the nature of planting trees on community or farmer-owned land, the community must voluntarily choose to partner with DGB and accept the conditions of maintaining the trees.

### What's next for DGB?

The expansion over all divisions of our company is a sign of confidence in our capability as a project developer to originate premium high-quality carbon reduction credits. During this quarter we received positive feedback and concrete proposals for the projects in our pipeline from investors and corporate buyers in our tender process. So far, this resulted in the completion of one

# By choosing Emstream & Emsurge, DGB gains a route to market at low cost

significant offtake agreement, and I expect to close other transactions in the near future to finance our entire current project pipeline. – Selwyn Duijvestijn, CEO.

### Why did you choose Emstream and their Emsurge platform as a route to market?

By choosing Emstream & Emsurge, DGB gains a route to market at low cost for issued and forward carbon offsets, as well as access to investment-grade investors and medium to long-term customers. DGB will be a key foundation customer and work with the team at Emstream and Emsurge to enhance the value of the platform to producers as a route to market.





**Project:**  
Sawa Afforestation &  
Reforestation Cameroon

---

The role of tech to deliver  
higher quality credits:

DGB has a high-tech disruptive approach to making biodiversity flourish and prosper. We combine the data from a dense network of on-the-ground sensors, aerial drones and geostationary and orbital satellites, along with machine learning models trained on historical data.

This enables us to perform extremely high-resolution data collection so it can monitor biodiversity, native species of plants, insects, mammals and birds, and seasonal migrations and identify critical changes alongside predictions of future activity.

We have designed and developed our own AI platform which specializes in the analysis of geospatial data. The AI can recognize and count trees and label man-made objects and

other anomalies. The AI uses machine learning to constantly improve itself for even more accurate and advanced biodiversity analysis.

Technology will be used to monitor the project. GIS and GPS will be used to track planting activities, whilst satellite imagery and drone technology will be used for mapping and regular monitoring.

**Project Lifetime:**  
The widespread planting of fruit and nut trees will offer the additional benefit of providing nutrition to these communities.

# Cameroon Sawa VCS 11 SDG's ARR

## Project: Sawa Afforestation & Reforestation Cameroon

Carbon Schedule



Project Year	Vintage Year	Vintage Year Volume	Delivery Year	Total volume in Delivery Year
1	2022	2,662	2025	
2	2023	15,970	2025	
3	2024	47,022	2025	65,654
4	2025	131,308	2028	
5	2026	215,593	2028	
6	2027	215,593	2028	646,780
7	2028	480,207	2032	
8	2029	480,207	2032	
9	2030	480,207	2032	
10	2031	480,207	2032	1,920,823
11	2032	480,207	2037	
12	2033	480,207	2037	
13	2034	480,207	2037	
14	2035	480,207	2037	
15	2036	480,207	2037	2,401,033
16	2037	480,207	2042	
17	2038	480,207	2042	
18	2039	480,207	2042	
19	2040	480,207	2042	
20	2041	480,207	2042	2,401,033
21	2042	480,207	2047	
22	2043	480,207	2047	
23	2044	480,207	2047	
24	2045	480,207	2047	
25	2046	480,207	2047	2,401,033
26	2047	480,207	2052	
27	2048	480,207	2052	
28	2049	480,207	2052	
29	2050	480,207	2052	
30	2051	480,207	2052	2,401,033
31	2052	480,207	2057	
32	2053	480,207	2057	
33	2054	480,207	2057	
34	2055	480,207	2057	
35	2056	480,207	2057	2,401,033
36	2057	480,207	2062	
37	2058	480,207	2062	
38	2059	480,207	2062	
39	2060	480,207	2062	
40	2061	480,207	2062	2,401,033
41	2062	480,207		
<b>Total</b>				<b>17,093,457</b>

11 SDGS's, 1/3/4/5/6/7/8/9/13/15/17





Cameroon **Sawa**  
**VCS 11** SDG's **ARR**







Information correct as of **01.12.22**  
for the most up to date info log into **emsurge**  
or contact us at

[carbon@emstream.co.uk](mailto:carbon@emstream.co.uk)

An aerial photograph of a dense, green forest. In the background, a city skyline is visible through a light mist or haze. The image is framed within a large, downward-pointing triangle.

01

24.11.22

Cameroon **Sawa**