

LEADING THE TRANSITION

TO A GREEN ECONOMY

We believe that the future of
business is sustainable business.

ATENIL
PARAGUAY

Atenil is one of the largest landowners in Paraguay and the Project Proponent for Chaco Vivo that specializes in generating carbon offsets from its sustainably managed nature-based solutions.



ATENIL'S BUSINESS FOCUS?

- Atenil is focused on areas such as biodiversity protection, ecosystem restoration, carbon capture and other nature-based solutions.
- We work with forest conservation and the implementation of sustainable production and through community-focused programs, we generate carbon credits that are then traded. In this way, we were able to invest in production systems that will benefit the communities near the projects, allowing the use of available natural resources in a sustainable and friendly way with the forests and their biodiversity.
- Atenil plans to reforest the world's land at scale and bring back nature where it cannot return unaided.

ATENIL'S STRATEGY:

01

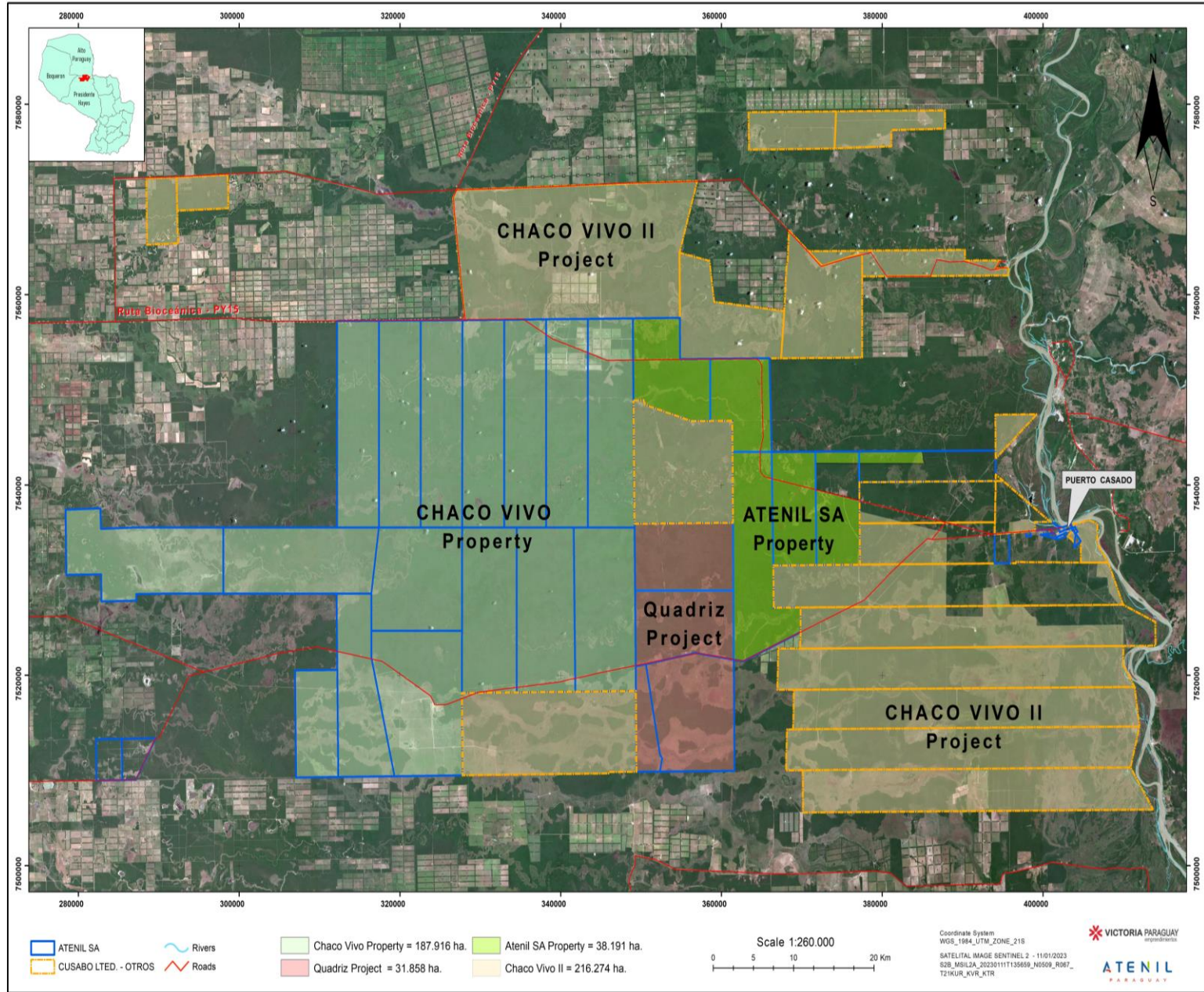
REDD+

02

Reforestation
Natural Rewilding

03

Green Energy
Solar Energy
Hydraulic Energy
Biofuels



REDD+ PROJECTS IN OUR PIPELINE



CORAZON VERDE DEL CHACO (32,786 ha) ID: 2611

- Project in progress
- Verra audit March 2023
- VCU issuance in June 2023
- ATENIL – Quadriz *bearing development cost
- Presell of 25% of the total VCU



CHACO VIVO (187,916 ha) ID: 3671

- Feasibility study executed
- Project in development
- PDD prepared
- Awaiting Project Validation
- ATENIL – Creative Carbon



CUSABO & OTHER COMPANY LAND (284,000HA)

- Feasibility study executed
- Project to be developed



CHACO VIVO EXPANSION (571,640 ha)

- Identified 100% of new land for purchase
- New land acquisition under study.
- Project to be developed
- Potential to reduce/avoid hundreds of millions of tonnes of CO2 over 30 years



High Quality REDD + Projects At Different Stages Of Development

CREATING A PORTFOLIO OF HIGH-QUALITY CARBON CREDITS

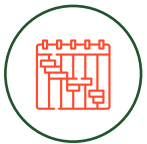
Independently Verified to the Highest Globally-Recognized Standards

Life Cycle of a Voluntary Carbon Credit



Project Design

Project design and methodology for quantifying GHG emission reductions submitted to registry



Project Validation

Project design and methodology for quantifying GHG emission reductions submitted to registry



Project Development

After receiving registry approval and initial funding, project is developed



Verification

Third-party auditor verifies net GHG emission reductions and carbon credits are issued



Issuance / Transfer / Retirement

Registry tracks the issuance, transfer and retirement of carbon credits

How We Ensure Credit Integrity



Seek project developers with a successful track record



Projects to be validated and verified in accordance with recognized standards



Seek project developers with a successful track record

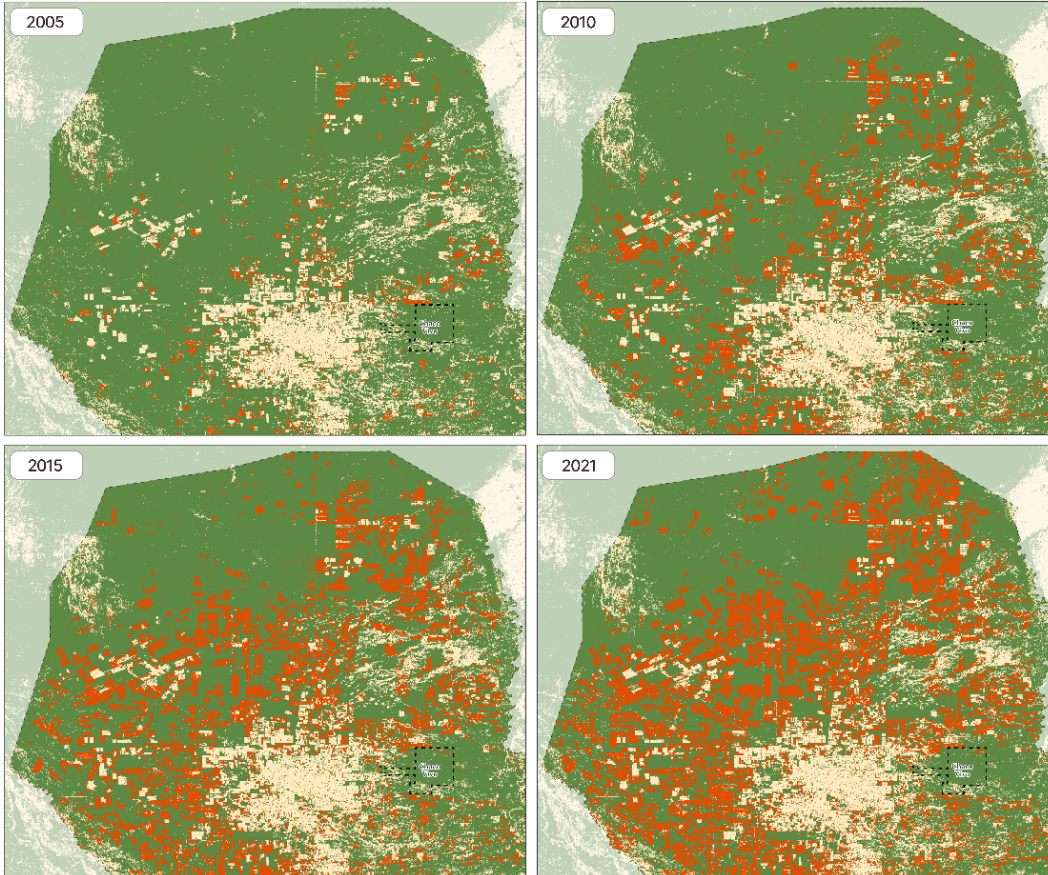


Seek project developers with a successful track record

High Quality VCU's:



Gold Standard



The area of interest is the northern area of Paraguay, which also contains the Chaco Vivo project area, visible in the southeastern area of the area. The data source is Global Forest Watch and represents statistical data on tree loss from 2001 to 2021.

www.globalforestwatch.org



WHY? DISAPPEARING ECOSYSTEM

The “Gran Chaco” is one of the largest and most vital ecoregions in South America, second only to the Amazon. The Gran Chaco extends throughout parts of Argentina, Brazil, Bolivia, and Paraguay, with one-third of the area within Paraguay.

The ecosystem provides critical habitats to important biodiversity, with more than 3,400 plant species, 500 bird species, 150 mammals, 120 reptiles, and approximately 100 species of amphibians – including numerous endemic and IUCN Red List of vulnerable, threatened, and endangered species.

One of the world’s most deforested areas:

From 2001 to 2021, Paraguay lost 6.55 Mha of tree cover, equivalent to a 27% decrease since 2000, and 1.61Gt of CO₂e emissions.

A more recent analysis (2022) shows the rate of deforestation in the Paraguayan Chaco to be a staggering 1,095 ha/day, over 300,000 hectares, equivalent to an area nearly twice the size of the city of London

PROJECT REDD+ CHACO VIVO STATUS



Project Design Document Complete (187,916 ha)



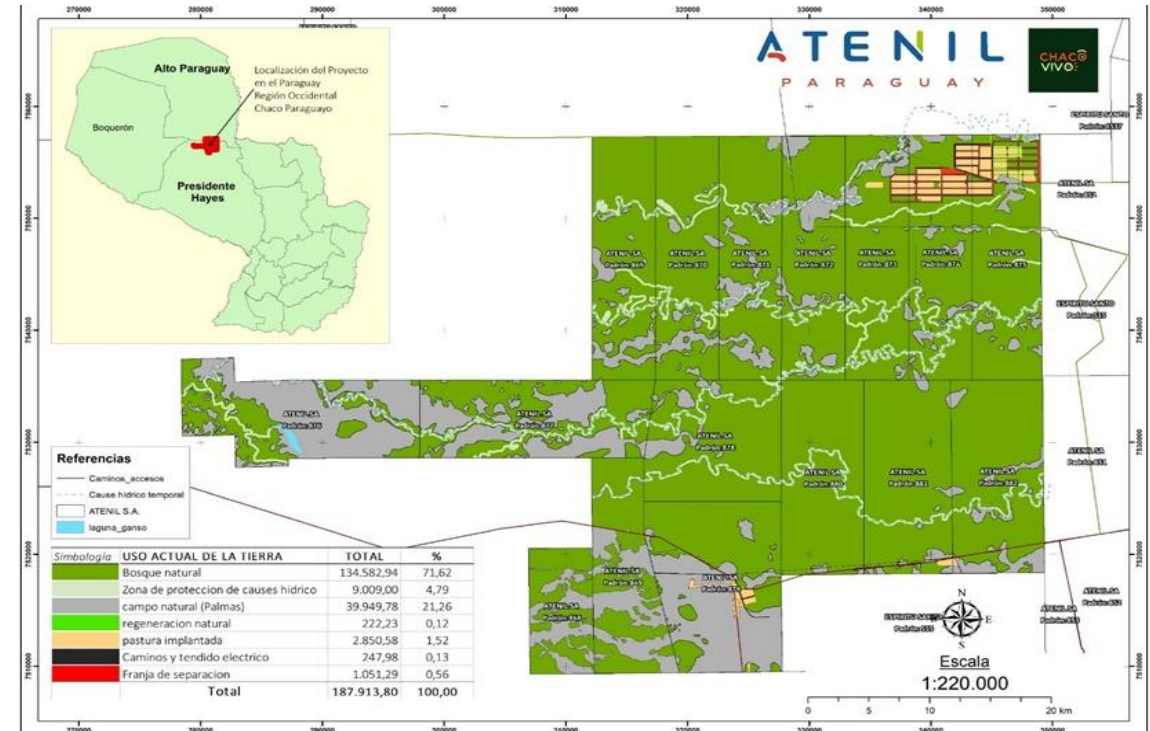
Pending Validation and Verification Audit Summer 2023

Emission Reductions: **34 million**

Protecting People and Planet

This project is considered from a holistic perspective and approached with a creative eye, fostering the intrinsic relationship between people & the environment.

REDD+ is a key tool for Nature Based carbon projects to produce Verified Carbon Units or VCUs, however, there are other tools as well that will be considered: Improved Forest Management, Reforestation and Restoration.



DELIVERING BEYOND CARBON

Advancing the U.N. Sustainable Development Goals (SDGs) Through REDD+ Project Development



01

Improving Livelihoods

- Healthcare clinic, solar lanterns and water filters at the Maskoy community
- Providing clean cookstoves and water filters
- Establishing new economic opportunities, such as sustainable production of small livestock and family farms in Puerto Casado



02

Empowering People

- Scholarships, training and financing micro enterprises for women at the Maskoy Community
- Promoting initiatives that support women
- Improving physical and technological infrastructure



03

Preserving Biodiversity

- Protecting endangered species, such as the Jaguar (*Panthera Onca*)
- Protecting bird life at the Chaco
- Adopting best practices for soil health at the Chaco

Communities within the Project Zone

The main goal of a REDD+/L.I.F.E. Program project in Puerto Casado is to:

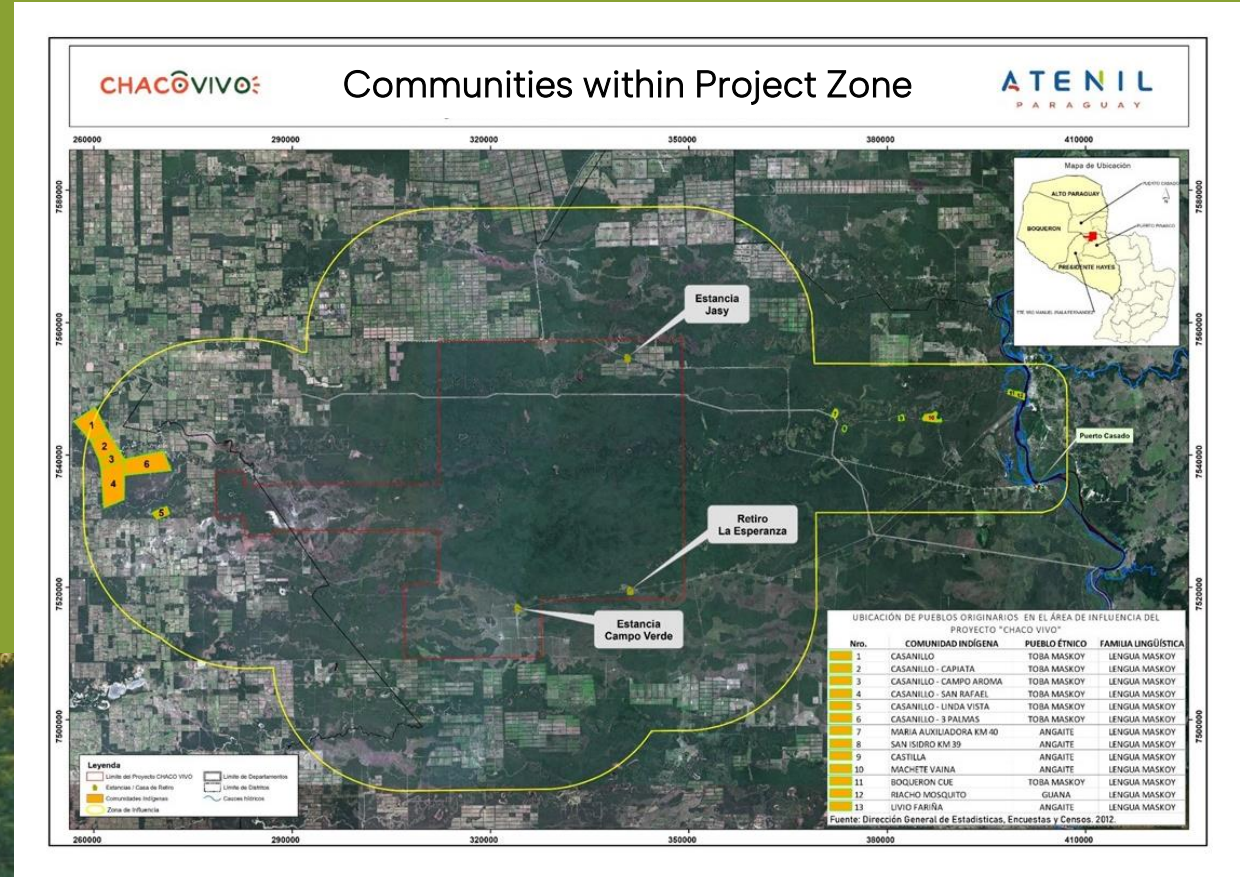


Support the full and effective participation of Indigenous peoples, communities, and civil society in national-level processes related to reducing emissions from deforestation and forest degradation;



Build the capacity and awareness of communities to engage in REDD+ activities and processes;

By supporting the protection of forests, and the empowerment of forest communities who depend on them, we aim to contribute to the fulfillment of broader environmental and social goals, including biodiversity conservation, enhanced food security, improved rights and livelihoods for Indigenous Peoples and local communities, and climate change adaptation.



KEY DATA

Impact Beyond Carbon



ONLY project in Paragya with verifiable and audited positive impacts on the Sustainable Development Goals and contribution to all 17 UN SDGs.

- Protecting over 600 species of flora/fauna and 100 local animal species, including the Panthera Onca (Jaguar)
- Numerous community programs: water filtration systems, healthcare facilities, educational scholarships, solar energy
- Percentage of revenues from REDD+ project supports community infrastructure and other key developments – sustainable impact investments

→ **60.000.000+**
Tons of carbon offsets in our project pipeline

→ **3**
Projects in our pipeline

→ **250.000+**
Hectares of sourced land

Atenil's mission is aligned with helping companies and individuals to meet the following sustainable development goals and more:



SOCIAL PROJECTS

Delivering on Local Impact Programs – Puerto Casado

- Period: July–October 2021
- 50 families provided with seeds (tomato, lettuce, squash) and appropriate garden equipment.
- Technical assistance was given to 111 families.
- Puerto Casado will become a sustainable and ecological town.
- Five workshops on agriculture were held.
- Five small business units will be created: chicken, pigs, sheep, and agriculture.



SOCIAL PROJECTS

Delivering on Local Impact Programs – Indigenous Communities



In the Indigenous communities we are in the initial stage



Following the protocols dictated by the Paraguayan laws. We established contact and provided basic needs of food.



Our goal is to provide access to drinking water because they only get water from the rain, and since they are suffering from the third year of drought, they don't have access to clean water.



SOCIAL PROJECTS

Our accomplishments after one year of working with the local communities of Puerto Casado.



21 training sessions on productive skills: family gardens, small livestock, specific associations for better working



83 families have grown vegetables with the purpose of self-consumption for the family and the surplus is for sale.



Strategic alliances were made with Indi, Indert, Infona, and Mades to have more presence and attention from the state in the area.



101 small family businesses of poultry, commercial gardens, sheep farming, pig farming, and fishing.



2.000 emergency food kits were delivered to alleviate the needs of the people of Puerto Casado and the indigenous communities.



Tree nursery



Vegetables production



Carpentry



Lettuce production

SOCIAL PROJECTS

Key Outcomes of the L.I.F.E. Program™

To positively impact People and Planet through the creation of:

→ Social enterprises

→ Sustainable production systems

→ Decent jobs

We are proving that we can achieve goals such as union, mutual prosperity, respect for nature, quality of life, and positively impact every UN Sustainable Development Goal via an innovative and sustainable business approach.

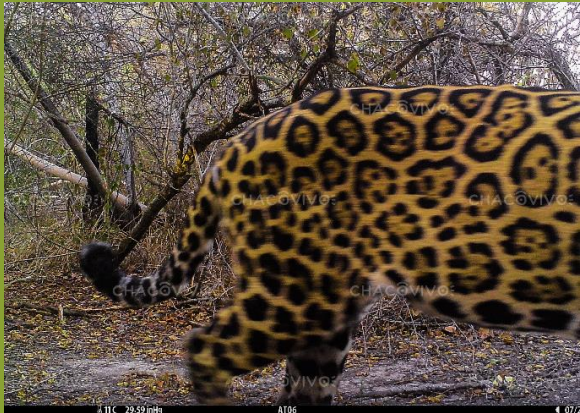


BIODIVERSITY



THE BIODIVERSITY OF THE CHACO

The Gran Chaco is a diverse biome of humid and semi-arid ecosystems consisting of riparian forests, wetlands and savannas. The Chaco forest is home to 3,400 species of plants, 500 species of birds, 150 species of mammals, and 220 species of reptiles and amphibians, including, but not limited to, several endangered species on the IUCN Red List:



01

Chaco Peccary
(Taguá) –
endangered

02

Jaguar (Jaguareté)
– near threatened

03

Giant anteater
(Jurumí) –
vulnerable

04

Giant armadillo
(tatú carreta) –
vulnerable

05

Tapir
(Mboreví) –
vulnerable

06

Crowned eagle /
Águila del Chaco –
endangered

NATURAL HABITAT RESTORATION



First Native Plant Nursery for natural restoration projects more than 50.000 trees per year.





- We utilize state of the art technology to be more accurate, accountable, transparent and efficient.
- We receive satellite images and data plus on-demand drone imaging data for analysis.
- We can retrieve the exact data in order to calculate, biodiversity and amount of CO2 sequestered.
- Artificial intelligence and machine learning ensures our models improve themselves.
- Our satellite monitoring solutions also provide advanced automated change detection.
- Our databank allows us to predict the best next move on the ground.
- Private blockchain network allows for powerful database management and utilisation.



ADVANCED TECHNOLOGY

CHACO VIVO PROJECT – HIGHLIGHTS



Project Lifetime:

1 Jan 2022 – 31 Dec 2051; 30-year Project Lifetime with the option to extend.



GHG Accounting Period:

1 Jan 2022 – 31 Dec 2051; 30-year Project Lifetime with the option to extend.



History of CCB Status:

This is the original CCB/VCS Project Description



Gold Level Criteria:

- Climate Change Adaptation Benefits (GL1)
- Exceptional Community Benefits (GL2)
- Exceptional Biodiversity Benefits (GL3)

Expected Verification Schedule: August–October 2023

Project Description submitted to VERRA
May 5th 2023

Validation and Verification 2023,
Issuance 2024

Public comment and Audit period.

GHG Emission Reductions or Removal 34.630.005 tCO₂e

Avoided emissions will be certificate by VERRA for a project life of 30 years with the option to extend.

Figure 4 CH VCU's Vintage Stream 2022 - 2031

VINTAGE	TOTAL VCU	TOTAL VCU with Buffer
2022	3793201	3.281.119
2023	7.009.591	6.063.296
2024	9.207.869	7.964.807
2025	8.914.526	7.711.065
2026	950.803	822.445
2027	950.803	822.445
2028	950.803	822.445
2029	950.803	822.445
2030	950.803	822.445
2031	950.803	822.445
	34.630.005	29.954.954

JOIN US!

CHACÔ
VIVO



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Nature based solutions are the earliest feasible investment opportunity

ATENIL
PARAGUAY