

SAHBIO CARBONO

Sabanas y humedales Biodiversos de la Orinoquía

Project Type	Standard	Location	Project ID
AFOLU - REDD+	BioCarbon Registry	Arauca – Casanare Colombia	BCR-CO-491-14-001 2026

Why here and why now?

In the Orinoquía, a structural gap exists between high ecosystem value and low land-level returns, and today there are verifiable mechanisms to internalize it

SAHBIO Carbono is a territorial **climate investment infrastructure** that, through landscape conservation in the floodplain savannas of Arauca and Casanare, transforms land management into verified carbon credits, supported by digital traceability, structured governance, and scalability potential, thereby converting environmental value into an asset with technical integrity and long-term sustainability.

The project analysis includes the definition of a baseline scenario built on observed land degradation dynamics, under which a proportion of the area is projected to be lost in the absence of intervention.

The project is implemented with the participation of more than 120 landowning families, under a governance model that links the execution of conservation activities with the generation of revenues from carbon credits.

Climate impact: Direct mitigation
Emission reductions achieved through:
- Conservation of savanna and wetland ecosystems
- Reduction of land degradation processes
- Implementation of landscape management practices.

The Llano Work Songs are one of the deepest and most beautiful cultural expressions of the Colombian-Venezuelan region. In 2017, **UNESCO** correctly inscribed them on the List of Intangible Cultural Heritage requiring urgent safeguarding measures. This oral tradition is not just music; It is a functional communication tool between the cowboy, the horse and the cattle, rooted in the daily tasks of the field.

How it works



SAVANNAS, WETLANDS AND GALLERY FORESTS

Conservation

METHODOLOGIES

BCR0002, BCR0005, REDD+

40 YEARS

January 2021 – December 2061

CARBON CREDITS

Total GHG emissions avoided: 4,933,468 tCO_2e

TERRITORY WITH INSTITUTIONAL ANCHORING

Land-level governance and decision-making: The project is implemented through tailored farm plans, defined for each property based on its specific conditions and needs. Landowners retain decision-making authority over the use and management of their land, within the framework of the project's conservation activities.

Land-level territorial management: Conservation and management activities are carried out directly at the property level, enabling practices to be adapted to local conditions and to the productive dynamics of the territory.

TRANSPARENCY AND TRACEABILITY

sahbio.com.co/mapa

Official Registry Global Carbon Trace
Access the project's status and public registry

GLOBAL IMPACT | LOCAL ACTION



SAHBIO CARBONO

Biodiverse Savannas and Wetlands of the Orinoquía

+200k ha
Scalability Potential of SAHBIO Carbono (Grouped Project)

+150k ha
Registered area in initial phase – SAHBIO Carbono

124
Participating landowners

~428k
Credits 1st Verification (2021–2023)
Earthood

~123k
Expected annual carbon credits

670 | 178
Plant species | Bird species inhabiting the SAHBIO project area

Key Sensitivities

Measurable impact with frontier MRV

Carbon accounting:
Conservation activities are recorded and monitored at the property level, enabling their linkage to documentary, geospatial, and field-based evidence, and their integration into the emission reductions quantification process.

Estimation uncertainty:
The estimation of GHG emission reductions incorporates uncertainty in activity data (0.4%) and emission factors (~11.3%), both within ranges accepted by international standards, enabling consistent and verifiable quantification of the generated credits.

Project performance evolution:
Ex ante estimates reflect a conservative scenario based on observed land degradation dynamics, with significant potential for emission reductions generation, subject to the quality and consistency of property-level evidence during the verification process.

We operate with VISSO Tech: a digital platform that enables real-time monitoring, reporting, and verification of conservation activities.

Integrity Drivers

SAHBIO Carbono business model converts property-level conservation into verified carbon credits that generate revenues and finance landscape protection.

1. Regulatory and financial additionality

The project is not driven by regulatory obligations and depends on carbon revenues for its viability. The baseline scenario projects that up to 60% of the area would be lost over 40 years in the absence of intervention.

2. Permanence of mitigation:

The participation of more than 120 landowning families aligns economic incentives with conservation, strengthening carbon permanence through active land management.

3. Ownership + Implementation + Capacity:

onservation activities are defined by landowners at the property level and are supported by technical capacity-building processes for their implementation on the ground.

4. Climate impact

Conservation of strategic savanna and wetland ecosystems, contributing to the reduction of emissions from land degradation, the protection of biodiversity, and water regulation within a key ecological corridor between the Andes and the Amazon.

Project scale and continuity

2026: VALIDATION AND FIRST VERIFICATION

•Completion of validation and first verification of SAHBIO Carbono®Operational consolidation of MRV systems and VISSO TECH.

2027: CONTROLLED EXPANSION

•Second verification Territorial expansion (~50,000 additional hectares under a replicable architecture).

ECOSYSTEM VALUE

The SAHBIO Initiative is supported by a Total Ecosystem Value assessment developed by **Deloitte.** which validates that structured conservation of floodplain savannas represents the most economically rational decision compared to intensive land-use transformation models. The analysis concludes that, by internalizing critical benefits such as water regulation and carbon storage, the conservation scenario is not only defensible but financially superior, projecting a Net Present Value (NPV) of up to USD 34 million compared to intensive land-use alternatives. These findings position SAHBIO as a high-integrity territorial climate investment infrastructure, where the optimization of traditional cattle ranching and the monetization of environmental assets ensure ethical returns and long-term natural capital stability.

Certified under BioCarbon Standard, a CCP-Eligible carbon-crediting program recognized by ICVCM.

CCP eligibility applies at the program level. Individual credits may only carry the CCP label once the applicable credit category has been approved by ICVCM and all relevant tagging requirements have been met.

SUSTAINABLE DEVELOPMENT GOALS

5 GENDER EQUALITY | 6 CLEAN WATER AND SANITATION | 15 LIFE ON LAND | 13 CLIMATE ACTION

CONTACT INFORMATION
Daniela Aulestia, Project Impact Specialist
Email: daulestia@visssogp.com,contacto@vissogp.com
Telephone: (+57) 318 2755169
VISSO Consultores SAS - Calle 81 #11-55 Torre Norte Piso 9, Bogotá, Colombia
VISSO LLC - Delaware USA

•VISSO is a green finance platform specializing in structuring, coordinating, and supporting impact investments based on criteria of governance, traceability, and risk management
•Independence Statement: The firm is regulated by the Financial Superintendency of Colombia. The preparation of this technical analysis does not affect the independence of the judgment issued, which is based exclusively on the reviewed documentary evidence (PDD, monitoring reports, audits, and verification reports, review of public websites) and on professional integrity risk management criteria.