

PRESERVA

ECO-BIO PATH PROGRAM



Preserva is born for..

Create solutions that allow measuring and encouraging environmental commitment.

- Promote sustainable land use.
- Create environmental assets. Carbon – Biodiversity – Water – Mitigation.
- Promote quality agricultural value chains.
- Offer environmental offset solutions.

Short video about us: <https://youtu.be/jQvQugjcQiQ>

Problems faced by Farmers in LATAM



Unsustainable extractive practices that contribute to environmental degradation



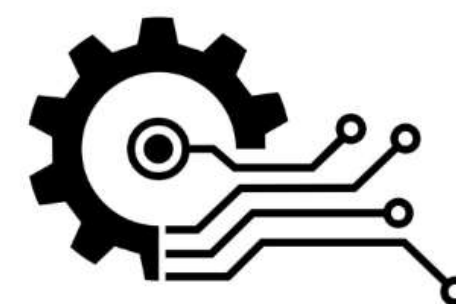
51% of crops without adoption of sustainable practices (approx. 500 thousand ha)



70% of livestock farming in extensive systems¹



Lack of access to technologies and financing



Only **31%** of farmers use technology for technical assistance and productivity²



30% of small producers who request credit access them³







Less than 5% of voluntary offsets are made in small farmers projects

1. <https://calculadoracarbono.minambiente.gov.co/assets/onepage/33.pdf>

2. <https://ccce.org.co/wp-content/uploads/2017/06/Una-oportunidad-para-Colombia-Policy-Paper-CMS.pdf>

3- <https://repository.eafit.edu.co/server/api/core/bitstreams/e85a78f4-bd5e-4c01-901a-a3eb71575151/content>

General Objectives

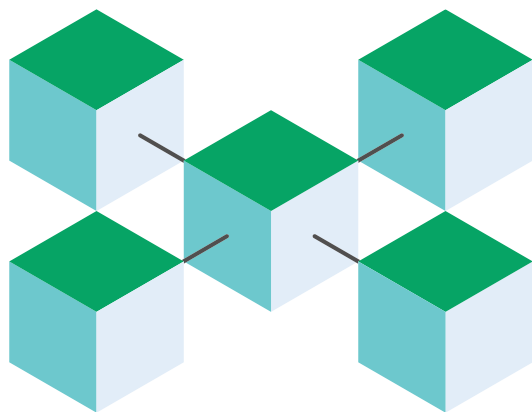
-  Implement a standardized environmental characterization for the properties of interest.
-  Define environmental goals and objectives for each property and frame them within joint projects to achieve a unified purpose that allows for the provision of ecosystem services and the search for financing.
-  Lead the supply of environmentally responsible and sustainable agricultural products.
-  Generate income from the commercialization of environmental assets in the voluntary offset and financial market.

ECO-BIO PATH:

Register and sell results

CREDITS REGISTERED IN
BLOCKCHAIN (NFT):

- Carbon
- Biodiversity
- Water



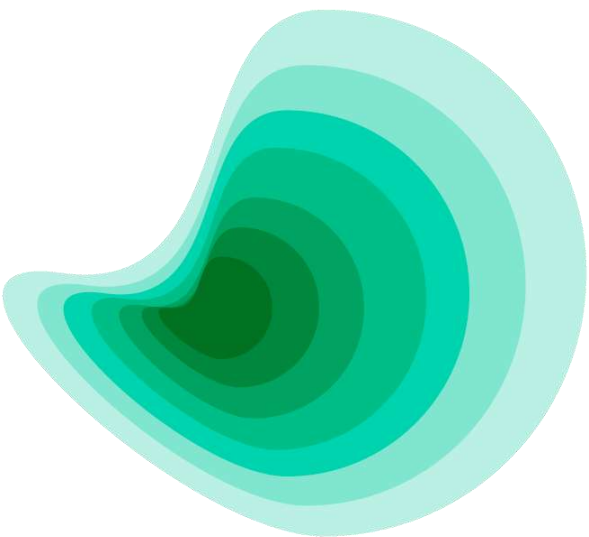
Sustainable value chains.
Mitigation and adaptation projects.
Access to Green Financing and
Global Climate Funds



Environmental technical sheet

CHARACTERIZATION

- Carbon Footprint
- Conservation
- Water
- Biodiversity
- Good agricultural practices



Measurement with satellite technology

interpretation of images



CARBON REMOVALS IN FARMS

- Conservation
- Agricultural production
- Organizations' own projects

How does it work?

Differential Approach

Differentiated treatment of initiatives within the Eco-Bio Path Program according to their production scale

What does the program seek?

Encourage entry into the program and facilitate access to the benefits it seeks to generate for small-scale producers

Classification criteria according to the production system



Small-scale producer

≤ 30 ha & ≤ 50 heads

≤ 5 ha






Producers of other scales

> 30 ha & > 50 heads

> 5 ha

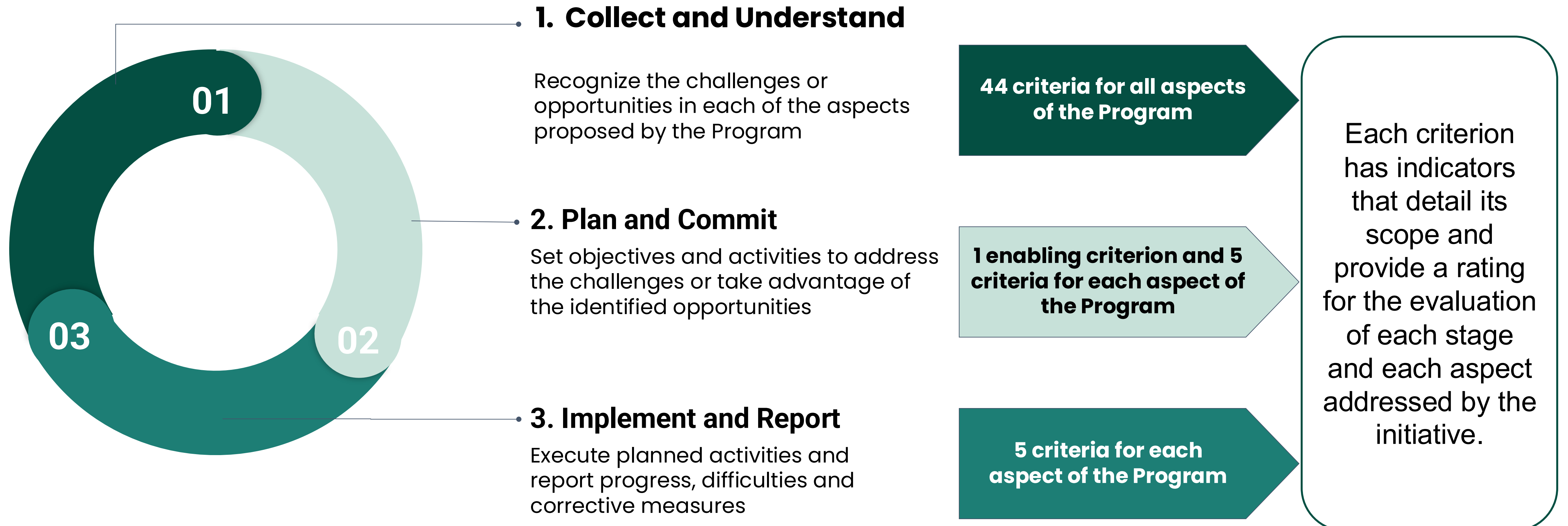
Key Aspects

It proposes that the initiatives work on five key aspects for sustainability from an environmental and productive perspective.

| | | |
|--|---|---|
|  Preservation and restoration of natural areas |  Greenhouse Gas Management |  Water Resource Management |
| Maintain and improve the supply of ecosystem services through the preservation and restoration of natural forests | Mitigate emissions from agricultural activities and promote GHG removal | Maintain and improve the supply of water resources by increasing the efficiency of its use, the proper disposal of effluents, and the care of water bodies. |
|  Biodiversity |  Management of Production Systems | |
| Mitigate emissions from agricultural activities and promote GHG removal | Recognize and implement systems that optimize the productive performance of crops and/or livestock and the efficient use of resources, especially soil. | |

Framework for Action and Evaluation

Structured guide for the implementation of the continuous improvement process and the evaluation of the initiatives that run through the Program

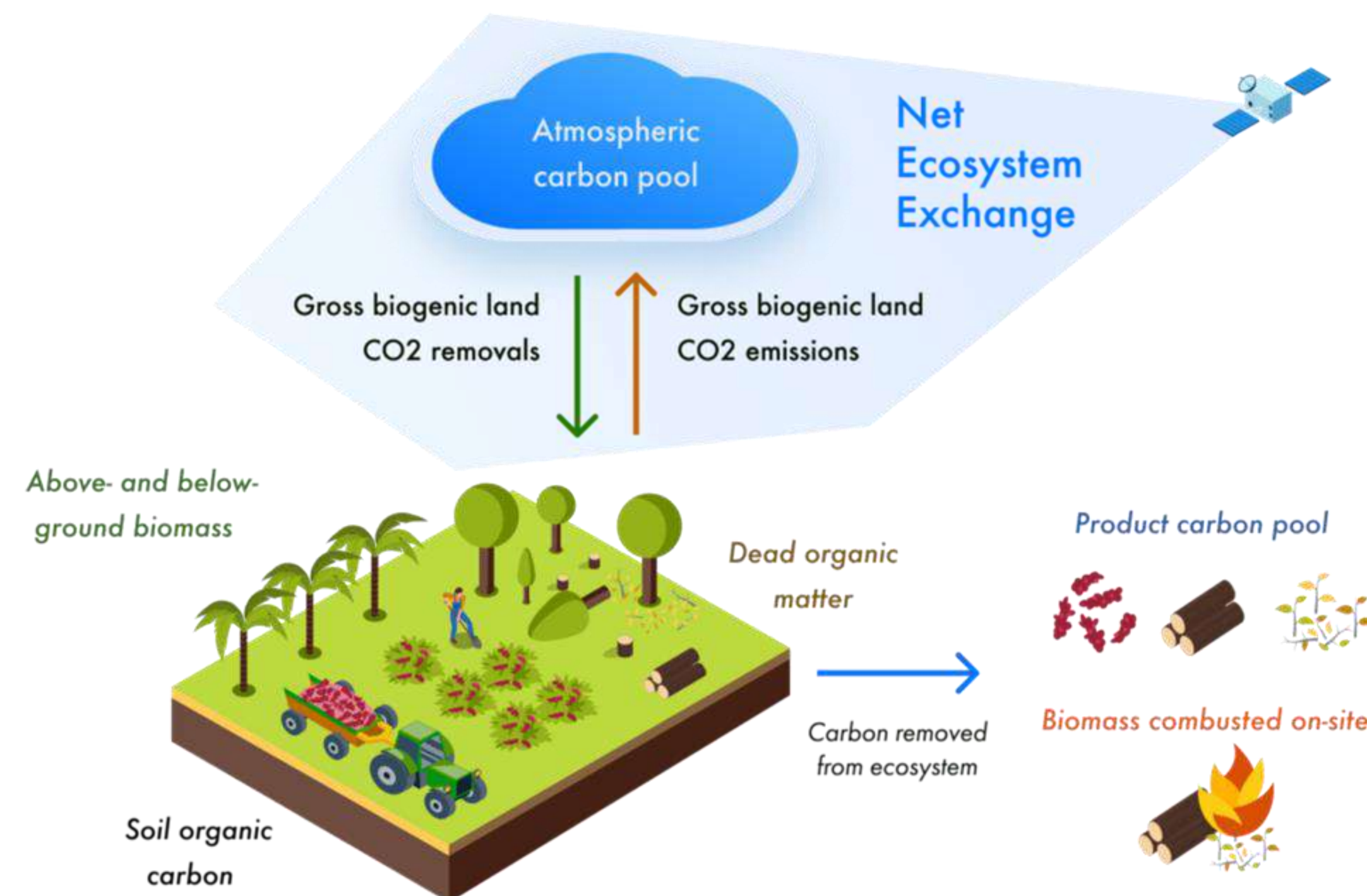


Greenhouse Gas Balance

$$\text{GHG balance} = \text{Carbon flow in ecosystems} + \text{Emissions from productive activities}$$

Carbon Flow Ecosystems
(NEE) - CarbonSpace
Technology

Emissions from productive
activities



Definition and Issuance of Pro-Bio Units



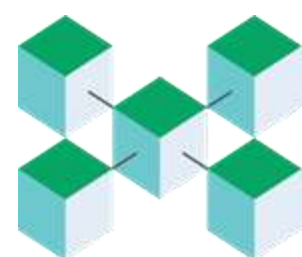
It is equivalent to one unit of environmental results from the initiative in terms of ton of CO₂e, conservation, water, biodiversity and agricultural practices.

1 Pro-Bio Unit

= **tCO₂e + M3 DE AGUA + CONSERVATION + BIODIVERSITY + GOOD PRACTICES**



They are issued when the initiative certifies the implementation of the Eco-Bio Path and the measurement of results according to the defined protocol.

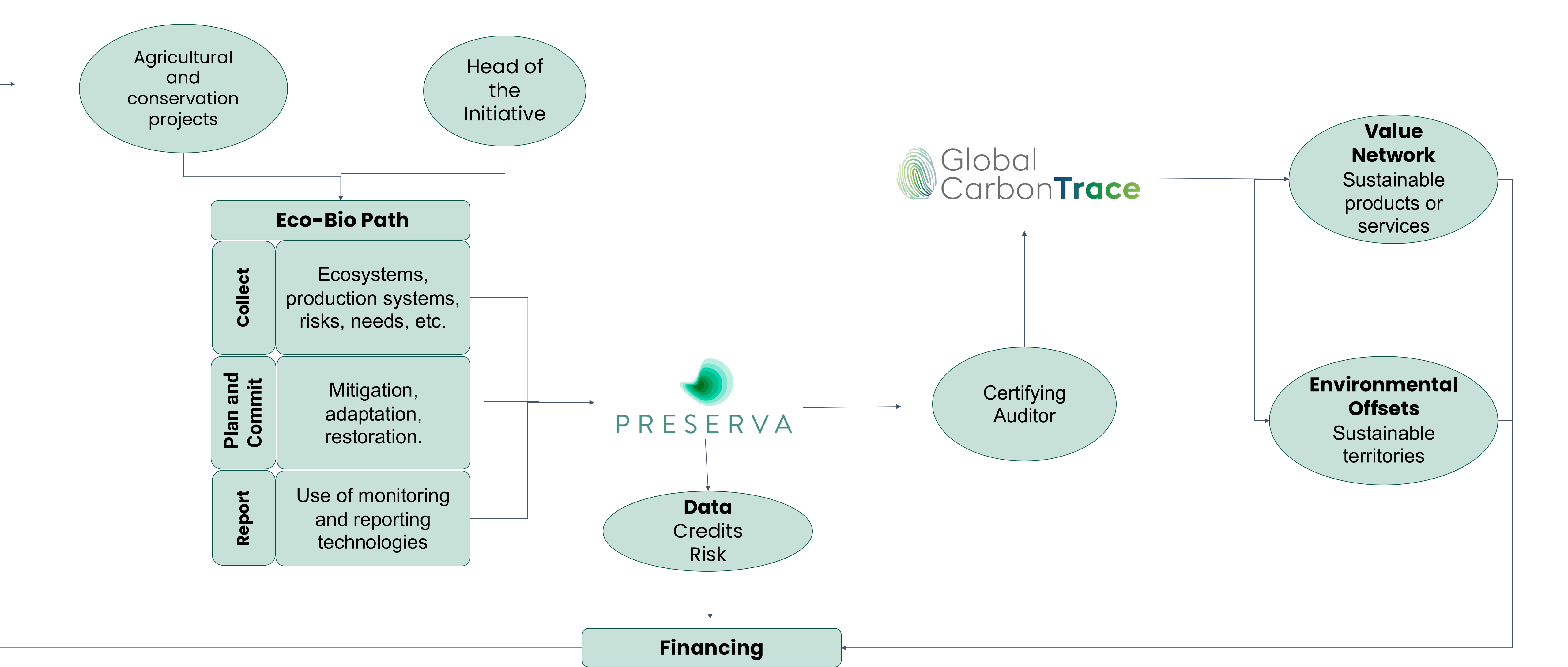


They are recorded on the blockchain for traceability (NFT) and transfer.

 Global
Carbon**Trace**



They serve to neutralize the carbon footprint associated with a value chain and for voluntary environmental offsets.



Process Summary

Recognitions

- ALDEA Program, 1,400 applications from 30 departments Preserva is one of the 6 ventures selected for being dynamic and innovative.
- Technical concept of our methodology by Cenicafé.
- We are part of the program: Google Startups for Sustainable Development
- We are among the 150 most promising companies in LATAM according to Dalus Capital
- En-Campo of Fundación Bancolombia. We are one of the 24 companies in the 2024 program.
- We are part of Kinesis, USAID Catalyze Apep Accelerator.





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