	Monitoring Report REDD+ Project
Basic Project Information	
Project Title	REDD+ El Tigre
Reference Number	-
Version of the PDD to which this report applies	7
Document Version	8
Date of completion of the report	26/04/2022
Monitoring period number	1
Monitoring Period	June 30, 2018 to December 31, 2020
Project Location	Country: Colombia Department: Meta Municipality: Puerto Gaitán
Proponent and Representative	Guahibo Indigenous Reservation of the El Tigre Julio Cesar León Region
Other Project Proponents and Representatives	CARBO SOSTENIBLE SAS Juan Andres Lopez Silva TERRA COMMODITIES SAS Federico Ortiz
Prepared by	CARBO SOSTENIBLE SAS Juan Andres Lopez Silva TERRA COMMODITIES SAS Federico Ortiz
Validation and Verification Body	Verifit
Operational period of the Project	June 30, 2018 to June 29, 2048; 30 years
Period for quantification of reductions	June 30, 2018 to June 29, 2048; 30 years
Estimated GHG removal	252,445 tCO ₂ e during monitoring period (includes uncertainty discount)
Contact Person	Juan Andres Lopez Silva jlopezsilva@carbostenible.com +57 1 249 4098 +57 311 4814086

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Section 1. Description of the project activity

1.1. Overview of project activity

The El Tigre REDD+ project of the Indigenous Reservation of the Sikuani community aims to contribute to the sustainable development of the community and preserve the existing forests in the territory of the Indigenous Reservation. The intervention strategy seeks to conserve the forest through investments in the strengthening of territorial governance by the community (construction of the Indigenous Life Plan, construction of the Land Use Plan and strengthening of community capacities), the establishment of sustainable productive activities compatible with nature that contribute to food security and the generation of surpluses, monitoring and protection of biodiversity. The project is focused on the national carbon market (potentially to the international market as well), and aims to commercialize carbon certificates for the non-causation of the carbon tax as the main financial sustainability mechanism during the implementation of the project.

The El Tigre Indigenous Reservation has a titled area of 47,064 hectares, 3,065 square meters of which 14,132 ha are forest at the beginning of the project. This project corresponds to an Agriculture, Forestry and Other Land Use (ALOFU) project, in the category of Reducing Emissions from Deforestation and Degradation (REDD) and is expected to generate about 1,719,967 Verified Carbon Credits (CCV) during the 30 years of accreditation.

1.2. Project Location

The project is located in the villages of El Tigre and Alto Tillavá, municipality of Puerto Gaitán, in the Department of Meta.

The following is the spatial location of the project area:

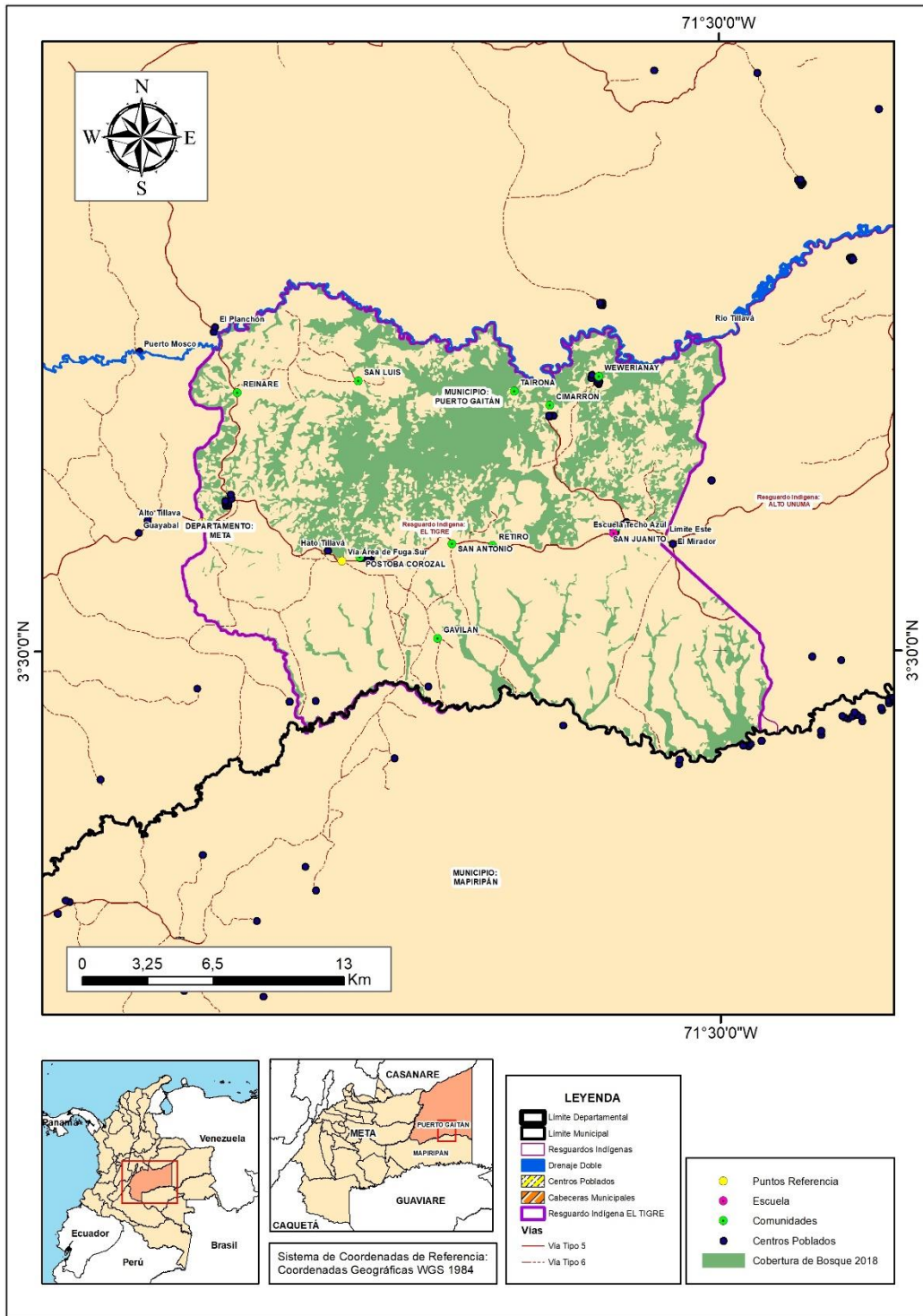


Figure 1. Location of the project area located in the El Tigre Indigenous Reservation.
Source: Authors.

1.3. Methodological references

ProClima 2020
AFOLU Sector Methodological Document
Quantification of Emission Reductions or GHG Removals from REDD+ Projects
Version 2.2.
05-February-2021

1.4. Duration of the project

Type of credit period: 30-year fixed credit period
Credit period: 30/06/2018 – 01/07/2048
Length of credit period: 30 years
Current monitoring period: 30/06/2018 – 31/12/2020
Duration of current monitoring period: 2 years and 5 months

Section 2. Spatial and temporal boundaries of the project

2.1. Eligible areas for the REDD+ project

The eligible areas of the project correspond to the stable forest that is within the limits of the indigenous reservation for at least a period of ten years prior to the project start date, according to the definition of forest adopted by Colombia and used by the SMByC (see figure 1).

2.2. Leakage area

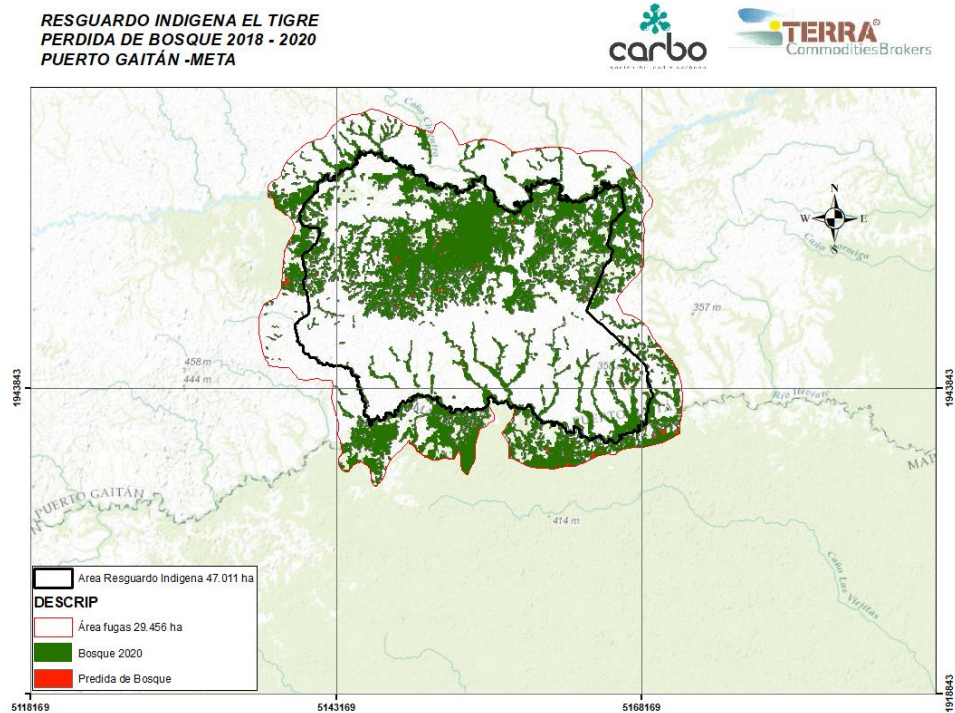


Figure 2. Project leakage area and project area during monitoring period.

Section 3. Description of the monitoring system

3.1. Project boundaries

The monitoring of the project boundaries was carried out using Geographic Information Systems (GIS) tools from the georeferencing of the project area, reference region and leakage area of the project, during the monitoring period, following the technical specifications required for the cartographic products.

The monitoring of the reduction of emissions from deforestation and degradation were carried out for the geographical areas contemplated in the project.

3.2. Implementation of REDD+ activities

The REDD+ project prioritizes activities in four main components:

Component	Description
Production	Develop economic alternatives compatible with nature conservation and community well-being.
Social Investment	Contribute to improve the living conditions of the communities that live in the Indigenous Reservation.
Governance	Strengthen territorial planning and mechanisms to guarantee food security for the communities that make up the Indigenous Reservation.
Monitoring and biodiversity	Contribute to the monitoring and conservation of the biodiversity present in the area of the Indigenous Reservation.

Within REDD+ activities, the monitoring of forest cover is one of the most important indicators and is decisive when it comes to demonstrating the performance of the Project. In the first monitoring period, changes in forest cover were monitored, as well as other REDD+ activities that have been defined to comprehensively address the problem of deforestation and strengthen the community initiative to protect their territory. These activities are the product of the community's expressed interest in participating in carbon markets and accessing the economic benefits that flow from this protection activity (as evidenced by the working and negotiating agreements cited in the PDD, in the start date section). In this sense, the monitoring of land cover change during the first monitoring period is one of the main follow-up mechanisms to the first activities of the project (reduction of forest conversion to other land uses).

Below is the monitoring of the project activities executed during the first monitoring period (2018-2020):

Activity ID	A-1								
Indicator ID	A-1.1								
Indicator name	People who participate in tree meetings, surveys or workshops of problems and drivers of deforestation identification, and productive systems and governance management								
Type	Result								
Goal	The processes of identification and prioritization of production systems are carried out in a participatory manner.								
Unit of measurement	# of people								
Monitoring methodology	For the measurement and reporting of this indicator, the number of participants in the meetings, workshops or surveys carried out for the identification and prioritization of the productive systems to be implemented or improved with the project is taken into account.								
Monitoring frequency	Annual								
Responsible of the measurement	Carbo-Terra								
Indicator result in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>Workshop 1</th> <th>Workshop 2</th> <th>Workshop 3</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>55</td> <td>35</td> <td>42</td> <td>132</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of community members is higher than that reported in the attendance lists, as can be seen in the photographic record and in the recordings taken at the meetings.</p> <p>Interviews 1 interview with Braulio Martínez, Indigenous Governor of the El Tigre Reservation, which addresses issues related to the start of the project, explanation of food security conditions, conformation of the territory, organization of activities, needs on strengthening governance, food sources, needs for the generation of reforestation, conservation and education.</p>	Workshop 1	Workshop 2	Workshop 3	Total	55	35	42	132
Workshop 1	Workshop 2	Workshop 3	Total						
55	35	42	132						
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos found in the Workshops-Monitoring folder • Lists of attendance at the workshops and meetings found in the folder Workshops-Monitoring • Minutes of the meetings and workshops convened found in the Workshops-Monitoring folder • Surveys applied to community members: found in the Workshops-Monitoring folder • Report on interviews found in the folder Workshops - Monitoring 								
Remarks									
Source of Funding	Carbo-Terra								

Contribution to REDD+ objectives	Identification of relationships in the Theory of Change, from the identification of deforestation problems, causes, agents, and potential solutions
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Activity ID	A-1
Indicator ID	A-1.2
Indicator name	Legal support agreements for the development and implementation of the Project including commercialization of carbon credits
Type	Result
Goal	Monitoring of agreements reached
SDGs to be met	SDG1 ((carbon revenues and productive projects) SDG2 (productive projects), SDG8 (productive projects, and governance activities), SDG13 (emission reduction), SDG15 (protection of forest habitat),
Unit of measurement	Number of Agreements
Monitoring methodology	For the measurement and reporting of this indicator, the agreements were reviewed. subscribed and the minutes or reports related to their subscription
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	1 Legal support agreement for the development and implementation of the project including trading of carbon credits
Documents to support Information	<ul style="list-style-type: none"> Agreement, found in the <i>Agreements folder, Representation Legal, Info. General El Tigre</i>
Remarks	Available documentation was used
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Legal basis for financing and implementation of REDD+ project activities

Activity ID	A-1
Indicator ID	A-1.3
Indicator name	Project registration in reduction certification program Emissions
Type	Result
Goal	Project Registration
SDGs to be met	SDG1 (carbon revenues and productive projects) SDG2 (productive projects), SDG8 (productive projects, and governance activities), SDG13 (emission reduction), SDG15 (protection of forest habitat),
Unit of measurement	Registration
Monitoring methodology	Registration review on registration platform
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Not applicable
Documents to support Information	<ul style="list-style-type: none"> Registration number Link to field platform (See Renare Registry Folder)

Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Registration allows the issuance of emission reduction certificates that can then be sold on the market to finance activities

Activity ID	A-2								
Indicator ID	A-2.1								
Indicator name	People who participate in meetings, surveys or workshops on systems Productive								
Type	Result								
Goal	The processes of identification and prioritization of production systems are performed in a participatory manner.								
SDGs to be met	SDG1 (carbon revenues and productive projects), SDG2 (productive projects), SDG8 (productive projects, and governance activities), SDG13 (emission reduction), SDG15 (protection of forest habitat),								
Unit of measurement	# of people								
Monitoring methodology	For the measurement and reporting of this indicator, the number of participants in the meetings, workshops or surveys carried out for the identification and prioritization of the productive systems to be implemented or improve with the project.								
Monitoring frequency	Annual								
Responsible of the measurement	Carbo-Terra								
Result of the indicator in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Works hop 1</th> <th>Worksh op 2</th> <th>Works hop 3</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">55</td> <td style="text-align: center;">35</td> <td style="text-align: center;">42</td> <td style="text-align: center;">132</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of community members is higher than that reported in the attendance lists, as can be seen in the photographic record and in the recordings taken at the meetings.</p> <p>Interview 1 interview with Braulio Martínez, Indigenous Governor of the Resguardo el Tigre where the issue of food security and the organization of activities and food sources is addressed</p>	Works hop 1	Worksh op 2	Works hop 3	Total	55	35	42	132
Works hop 1	Worksh op 2	Works hop 3	Total						
55	35	42	132						
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos. • Lists of attendance at the workshops and meetings convened. • Minutes of meetings and workshops convened. • Surveys applied to community members. • Report interviews found in the <i>Workshops folder -Monitoring</i> 								
Remarks									
Source of Funding	Carbo-Terra								
Contribution to REDD+ objectives	Identification of priority productive activities that contribute to minimizing								

	incentives for deforestation activities
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Activity ID	A-2								
Indicator ID	A-2.2								
Indicator name	Women participating in meetings, surveys or workshops on systems Productive								
Type	Result								
Goal	The processes of identification and prioritization of production systems are They perform in a participatory manner.								
SDGs to be met	SDG1 (social investment), SDG2 (productive projects) SDG5 (participation women), SDG8 (transport to take out products), SDG13 (reduction of emissions), SDG15 (protection of forest habitat as it discourages deforestation)								
Unit of measurement	# of women								
Monitoring methodology	For the measurement and reporting of this indicator, the number of participants in the meetings, workshops or surveys carried out for the identification and prioritization of promising production systems is taken into account. Implement with the project.								
Monitoring frequency	Annual								
Responsible of the measurement	Carbo-Terra								
Result of the indicator in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Worksho p 1</th> <th>Worksh op 2</th> <th>Worksho p 3</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td style="text-align: center;">7</td> <td style="text-align: center;">17</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of women from the community is higher than that reported in the attendance lists, as can be seen in the photographic record and in recordings taken at meetings.</p>	Worksho p 1	Worksh op 2	Worksho p 3	Total	5	5	7	17
Worksho p 1	Worksh op 2	Worksho p 3	Total						
5	5	7	17						
Documents to support information	<ul style="list-style-type: none"> Photographic record and/or videos. Lists of attendance at the workshops and meetings convened. Minutes of meetings and workshops convened. Surveys applied to community members. 								
Remarks									
Source of Funding	Carbo-Terra								
Contribution to REDD+ objectives	Identification of priority productive activities that contribute to minimizing incentives for deforestation activities by linking women in chagra systems								

Activity ID	A-2
Indicator ID	A-2.3
Indicator name	Identified productive activities
Type	Product
Goal	Identify at least 1 productive activity to invest with the resources

	generated by the project
SDGs to be met	SDG1 (social investment), SDG2 (productive projects) SDG5 (women's participation), SDG8 (transport to get products), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	Number (#)
Monitoring methodology	For the measurement and reporting of this indicator, the number of identified productive activities that have the potential to be implemented with the project's resources is considered.
Monitoring frequency	Annual
Responsible of the measurement	Cormacarena
Indicator result in the monitoring period	1 identified productive activity corresponding to the production of Cachama in floating cages
Documents to support information	<ul style="list-style-type: none"> Cachama breeding pilot plan with the support of Cormacarena in 2018 and 2019, where 18,000 fingerlings were planted in floating cages. Cormacarena Management Report 2016-2019: <i>Workshops – Monitoring folder, Monitoring Evidence subfolder</i>
Remarks	No risk of double counting
Source of Funding	Cormacarena
Contribution to REDD+ objectives	Identification of productive activities to prioritize to achieve conservation objectives

Activity ID	A-2
Indicator ID	A-2.4
Indicator name	Elaborated business plans
Type	Product
Goal	At least one business plan is defined to be implemented
SDGs to be met	SDG1 (productive projects), SDG2 (productive projects), SDG8 (productive projects), SDG13 (emission reduction), SDG15 (protection of forest habitat)
Unit of measurement	Number (#)
Monitoring methodology	For the measurement and reporting of this indicator, the number of Business Plans prepared by the project implementer is taken into account. and the proponents.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Not applicable yet
Documents to support information	<ul style="list-style-type: none"> Documents of Business Plans developed. Prioritized Business Plan Documents.

Remarks	From the third year
Source of Funding	
Contribution to REDD+ objectives	Development of business plans to make effective investments in productive activities, minimizing risk and enhancing impact

Activity ID	A-3
Indicator ID	A-3.1
Indicator name	People involved in training or training days.
Type	Result
Goal	All families (at least one representative per family) involved in the development of production systems and business plans participate in Training or training days.
SDGs to be met	SDG1 (social investment), SDG4 (investment in education), SDG5 (women's participation), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	Number of people
Monitoring methodology	Number of family members attending the training sessions management of production systems and business plans, including administrative, legal and financial aspects, as well as the management of forest governance and the value obtained is reported.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Third Party Report
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos. • Lists of attendance at training workshops for the management of prioritized production systems. • Meeting minutes and photographic record of the training sessions for the management of production systems Prioritized.
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Generation of capacities and knowledge to ensure the success of productive projects, based on the business plans developed

Activity ID	A-4
Indicator ID	A-4.1
Indicator name	Hectares of established or improved sustainable production systems
Type	Result

Goal	Production systems that favor the Biodiversity conservation.
SDGs to be met	SDG1 (social investment), SDG2 (productive projects) SDG5 (women's participation), SDG6 (investment in water and sanitation), SDG13 (emission reduction), SDG15 (protection of forest habitat as discourages deforestation)
Unit of measurement	Area (ha)
Monitoring methodology	For the measurement and reporting of this indicator, the area is identified and estimated. productive that has been implemented or improved.
Monitoring frequency	Annual
Responsible of the measurement	Cormacarena
Indicator result in the monitoring period	5 hectares of agroforestry systems
Documents to support information	<ul style="list-style-type: none"> • Implementation of five hectares of forest systems with native species. (Pages 84-85 of the <i>Cormacarena Management Report 2016-2019</i>; Workshop folder – <i>Monitoring</i>, subfolder <i>Monitoring evidence</i>). • <i>Certification of stoves, agroforestry, banks leño_2021_Cormacarena_El Tigre.pdf</i> in Workshop Folder – <i>Monitoring</i>, subfolder <i>Monitoring evidence</i> • <i>Implementation of agroforestry systems Pto Gaitán_2019.pdf</i> in Folder <i>Workshops – Monitoring</i>, subfolder <i>Evidences monitoring</i>
Remarks	Cormacarena's activity is not aimed at generating carbon reductions. There is no risk of double counting.
Source of Funding	Cormacarena
Contribution to REDD+ objectives	Indicators of production of goods or services that contribute to the increase of local productive capacity to discourage activities that generate deforestation

Activity ID	A-6
Indicator ID	A-6.1
Indicator name	People participating in meetings or workshops on social issues investment
Type	Result
Goal	The processes of identification and prioritization of social investment are carried out in a participatory way.
SDGs to be met	SDG1 (social investment), SDG3 (investment in health), SDG4 (investment in education), SDG5 (female participation), SDG6 (investment in water and sanitation), SDG11 (investment in housing), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of people

Monitoring methodology	For the measurement and reporting of this indicator, the number of participants in the meetings, workshops or surveys carried out for the identification and prioritization of social investment to be developed or improved with the project.								
Monitoring frequency	Annual								
Responsible of the measurement	Carbo-Terra								
Result of the indicator in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Works hop 1</th> <th>Worksh op 2</th> <th>Works hop 3</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">55</td> <td style="text-align: center;">35</td> <td style="text-align: center;">42</td> <td style="text-align: center;">132</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of members of the community is higher than that reported in the attendance lists, as can be seen in the photographic record and in recordings taken at meetings.</p>	Works hop 1	Worksh op 2	Works hop 3	Total	55	35	42	132
Works hop 1	Worksh op 2	Works hop 3	Total						
55	35	42	132						
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos. <i>Workshops – Monitoring Folder</i> • Lists of attendance at the workshops and meetings convened <i>Workshop Folder – Monitoring.</i> • Minutes of meetings and workshops convened. <i>Workshops – Monitoring Folder</i> 								
Remarks									
Source of Funding	Carbo-Terra								
Contribution to REDD+ objectives	Participation indicator in the identification and prioritization of social investment that helps discourage activities that generate deforestation and forest degradation								

Activity ID	A-6
Indicator ID	A-6.2
Indicator name	Women participating in meetings or workshops on investment social issues.
Type	Result
Goal	The processes of identification and prioritization of social investment are carried out in a participatory way.
SDGs to be met	SDG1 (social investment), SDG3 (investment in health), SDG4 (investment in education), SDG5 (female participation), SDG6 (investment in water and sanitation), SDG11 (investment in housing), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of women
Monitoring methodology	For the measurement and reporting of this indicator, the number of women participants who attend meetings, workshops or surveys carried out for the identification and prioritization of social investment in the Develop or improve with the project.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra

Result of the indicator in the monitoring period	Attendance list:			
	Worksho p 1	Worksh op 2	Worksho p 3	Total
	5	5	7	17
	It is pertinent to note that, during the days of workshops, the influx of women from the community is higher than that reported in the attendance lists, as can be seen in the photographic record and in recordings taken at meetings.			
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos. <i>Workshops – Monitoring Folder</i> • Lists of attendance at the workshops and meetings convened. <i>Workshops – Monitoring Folder</i> • Minutes of meetings and workshops convened. <i>Workshops – Monitoring Folder</i> 			
Remarks				
Source of Funding	Carbo-Terra			
Contribution to REDD+ objectives	Indicator of women's participation in the identification and promotion of social investment that helps discourage activities that generate deforestation and forest degradation			

Activity ID	A-7			
Indicator ID	A-7.2			
Indicator name	# people participating in meetings or workshops related to transport			
Type	Result			
Goal	The identification and prioritization processes are carried out in a participatory manner.			
SDGs to be met	SDG1 (social investment), SDG3 (transport for health), SDG8 (transport to extract products), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)			
Unit of measurement	Number			
Monitoring methodology	For the measurement and reporting of this indicator, the number of participants who attended the meetings or workshops held on Transportation Issues			
Monitoring frequency	Annually			
Responsible of the measurement	Carbo-Terra			
Result of the indicator in the monitoring period	Community Member Involvement:			
	Works hop 1	Worksh op 2	Works hop 3	Total
	55	35	42	132
	It is pertinent to note that, during the days of workshops, the influx of women from the community is higher than that reported in the attendance lists, as can be seen in the photographic record and in the recordings taken at the meetings.			

Documents to support information	<ul style="list-style-type: none"> Photographic record and/or videos. <i>Workshops – Monitoring Folder</i> Lists of attendance at the workshops and meetings convened. <i>Workshops – Monitoring Folder</i> Minutes of meetings and workshops convened. <i>Workshops – Monitoring Folder</i>
Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Improvements in the mobility of people and goods to facilitate governance, social service delivery, and productive and trade capacity

Activity ID	A-8
Indicator ID	A-8.1
Indicator name	Improved/built educational facilities.
Type	Product
Goal	Improve or construct educational facilities located in the reservation
SDGs to be met	SDG1 (social investment), SDG4 (investment in education), SDG13 (reduction of emissions), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of installations
Monitoring methodology	It is verified from the budget execution and the records of activities of construction or improvement of educational facilities within the framework of the project.
Monitoring frequency	Annual
Responsible of the measurement	Miraflores City Hall
Result of the indicator in the monitoring period	1 improvement of the educational infrastructure of the El Tigre Boarding School and Educational Center located within the reservation, including the improvement of the electricity and water service and completed in 2019.
Documents to support information	<ul style="list-style-type: none"> Video of improved installations and interview. See next link: Mayor's Office of Puerto Gaitán - We arrived at the El Tigre indigenous reservation... Facebook
Remarks	
Source of Funding	Town hall
Contribution to REDD+ objectives	Investment in educational facilities that discourage deforestation activities, improving social cohesion, and improving environmental education and territorial governance

Activity ID	A-8
Indicator ID	A-8.2
Indicator name	People participating in meetings or workshops related to education
Type	Result
Goal	The identification and prioritization processes are carried out in a participatory manner

SDGs to be met	SDG1 (social investment), SDG4 (investment in education), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)			
Unit of measurement	Number			
Monitoring methodology	For the measurement and reporting of this indicator, the number of participants attending meetings or workshops held on education topics			
Monitoring frequency	Annual			
Responsible of the measurement	Carbo-Terra			
Result of the indicator in the monitoring period	Community Member Involvement:			
	Works hop 1	Worksh op 2	Works hop 3	Total
	55	35	42	132
	Interview 1 interview with Braulio Martínez, Indigenous Governor of the El Tigre Reservation where the needs of education and training for the community are addressed for the generation of new opportunities			
Documents to support information	<ul style="list-style-type: none"> • Photographic record and/or videos. <i>Workshops – Monitoring Folder</i> • Lists of attendance at the workshops and meetings convened. <i>Workshops – Monitoring Folder</i> • Minutes of meetings and workshops convened. <i>Workshops – Monitoring Folder</i> • Report interview found in the <i>folder Workshops - Monitoring</i> 			
Remarks				
Source of Funding	Carbo-Terra			
Contribution to REDD+ objectives	Identification of educational priorities to improve local capacities for territorial management			

Activity ID	A-9
Indicator ID	A-9.1
Indicator name	People with access to formal education programs or better quality of education
Type	Result
Goal	The quality of education or access to education programmes is improved formal for members of the communities.
SDGs to be met	SDG1 (social investment), SDG4 (investment in education), SDG13 (reduction of emissions), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of people
Monitoring methodology	People who access formal education or better education are identified Quality in education.
Monitoring frequency	Annual
Responsible of the measurement	<ul style="list-style-type: none"> • Carbo-Terra • Captaincy • Third Party Reports

Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Execution of project resources. • Development of formal education programs. • Record of actions aimed at improving community education. • Register of beneficiaries of actions aimed at improve community education.
Remarks	From the third year
Source of Funding	
Contribution to REDD+ objectives	Improve access to educational opportunities and formal instructional processes

Activity ID	A-9
Indicator ID	A-9.2
Indicator name	Women with access to formal or better education programs
Type	Result
Goal	The quality of education or access to education programmes is improved formal for women in the communities.
SDGs to be met	SDG1 (social investment), SDG4 (investment in education), SDG5 (women's participation), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of women
Monitoring methodology	The number of women accessing formal education or better quality of education.
Monitoring frequency	Annual
Responsible of the measurement	<ul style="list-style-type: none"> • Carbo-Terra • Captaincy • Entities or programs
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Execution of project resources. • Development of formal education programs. • Record of actions aimed at improving community education. • Register of women beneficiaries of actions aimed at improve community education.
Remarks	From the third year
Source of Funding	
Contribution to REDD+ objectives	Improve women's access to educational opportunities and formal education processes

Activity ID	A-10
Indicator ID	A-10.1
Indicator name	Built/improved health posts
Type	Result

Goal	Improved infrastructure to deliver health services to members of the community.
SDGs to be met	SDG1 (social investment), SDG3 (health), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of health posts
Monitoring methodology	The execution of project resources and the investments made in the construction or adaptation of health posts are verified. The number of health posts built or improved is reported.
Monitoring frequency	Annual
Responsible of the measurement	<ul style="list-style-type: none"> • Carbo-Terra • Captaincy • Entities or programs
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Execution of project resources. • Constructed and adequate health posts. • Third Party Reports
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Improvements in the provision of health services generate social cohesion, and discourage deforestation processes that could affect service delivery.

Activity ID	A-11
Indicator ID	A-11.2
Indicator name	Improved/built housing
Type	Result
Goal	Housing of community members is improved or built.
SDGs to be met	SDG1 (social investment), SDG3 (Health for better health), SDG11 (better housing), SDG13 (emission reduction), SDG15 (habitat protection) forestry as it discourages deforestation)
Unit of measurement	# of improved/built housing
Monitoring methodology	The number of homes improved or built is quantified.
Monitoring frequency	Annual
Responsible of the measurement	Cormacarena
Result of the indicator in the monitoring period	20 homes with eco-efficient stoves
Documents to support information	<ul style="list-style-type: none"> • Efficient stoves and wood banks: see page 118-119 of the <i>2019 Cormacarena Management Report Workshop Folder - Monitoring, subfolder Monitoring evidence.</i> • <i>Certification of stoves, agroforestry, banks leño_2021_Cormacarena_El Tigre.pdf</i> in Workshop Folder - <i>Monitoring, subfolder Monitoring evidence</i>
Remarks	
Source of Funding	Cormacarena

Contribution to REDD+ objectives	Improvements in the provision of quality water supply services in sufficient quantity generate social cohesion, and discourage deforestation processes that could affect the provision of the service
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Activity ID	A-12										
Indicator ID	A-12.1										
Indicator name	Individuals participating in meetings or workshops on governance issues										
Type	Result										
Goal	The process of construction/updating of the Life Plan is carried out in a participatory way.										
SDGs to be met	SDG1 (social and productive investment), SDG2 (social and productive investment), SDG3 (investment in health), SDG4 (investment in education), SDG5 (women's participation), SDG6 (investment in water and sanitation), SDG8 (better jobs and economic growth), SDG11 (investment in housing), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)										
Unit of measurement	Number										
Monitoring methodology	The number of participants in meetings or workshops related to governance issues is quantified and reported.										
Monitoring frequency	Annual										
Responsible of the measurement	Carbo-Terra										
Result of the indicator in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="background-color: #e1f5fe;">Survey</th> <th style="background-color: #e1f5fe;">Worksho p 1</th> <th style="background-color: #e1f5fe;">Worksh op 2</th> <th style="background-color: #e1f5fe;">Worksho p 3</th> <th style="background-color: #e1f5fe;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">109</td> <td style="text-align: center;">55</td> <td style="text-align: center;">35</td> <td style="text-align: center;">42</td> <td style="text-align: center;">241</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of community members is higher than that reported in the attendance lists, as can be seen in the photographic record and in the recordings taken at the meetings.</p> <p>Interview 1 interview with Braulio Martínez, Indigenous Governor of the Reserve El Tigre where he talks about the structure and governance activities within the Reserve and how the territory is shaped.</p>	Survey	Worksho p 1	Worksh op 2	Worksho p 3	Total	109	55	35	42	241
Survey	Worksho p 1	Worksh op 2	Worksho p 3	Total							
109	55	35	42	241							
Documents to support information	<ul style="list-style-type: none"> Photographic and/or video records. Lists of attendance at the workshops and meetings convened. Minutes of meetings and workshops convened. Report interviews found in the <i>Workshops folder -Monitoring</i> 										
Remarks											
Source of Funding	Carbo-Terra										
Contribution to REDD+ objectives	Strengthening territorial and forest governance processes										

Activity ID	A-12										
Indicator ID	A-12.2										
Indicator name	Women participating in meetings or workshops on governance issues										
Type	Result										
Goal	The process of building/updating the Life Plan involves the participation of women in the communities.										
SDGs to be met	SDG1 (social and productive investment), SDG2 (social and productive investment), SDG3 (investment in health), SDG4 (investment in education), SDG5 (women's participation), SDS6 (investment in water and sanitation), SDG8 (better jobs and economic growth), SDG11 (investment in housing), SDG13 (emission reduction), SDG15 (protection of forest habitat now which discourages deforestation)										
Unit of measurement	# of women										
Monitoring methodology	The number of women participating in the meetings or workshops related to governance issues.										
Monitoring frequency	Annual										
Responsible of the measurement	Carbo-Terra										
Result of the indicator in the monitoring period	<p>Attendance list:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Survey</th> <th>Worksho p 1</th> <th>Worksh op 2</th> <th>Worksho p 3</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">22</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td style="text-align: center;">7</td> <td style="text-align: center;">39</td> </tr> </tbody> </table> <p>It is pertinent to note that, during the days of workshops, the influx of community members is higher than that reported in the attendance lists, as can be evidenced in the photographic record and in recordings taken at meetings.</p>	Survey	Worksho p 1	Worksh op 2	Worksho p 3	Total	22	5	5	7	39
Survey	Worksho p 1	Worksh op 2	Worksho p 3	Total							
22	5	5	7	39							
Documents to support information	<ul style="list-style-type: none"> • Photographic and/or video records. • Lists of attendance at the workshops and meetings convened. • Minutes of meetings and workshops convened. 										
Remarks											
Source of Funding	Carbo-Terra										
Contribution to REDD+ objectives	Participation of women in conferences to strengthen territorial and forest governance processes										

Activity ID	A-12
Indicator ID	A-12.3
Indicator name	Life plans developed or updated
Type	Product
Goal	At least 1 Life Plan is developed.
SDGs to be met	SDG1 (social and productive investment), SDG2 (social and productive investment), SDG3 (investment in health), SDG4 (investment in education), SDG5 (women's participation), SDG6 (investment in water and sanitation), SDG8 (better jobs and economic growth), SDG11 (investment in housing), SDG13 (emission reduction), SDG15 (habitat protection) forestry as it discourages deforestation)

Unit of measurement	# of life plans
Monitoring methodology	The number of life plans developed or updated is quantified.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Entities or programs
Indicator result in the monitoring period	Does not report
Documents to support information	<ul style="list-style-type: none"> Indigenous Life Plan document developed or updated. Attendance lists and minutes of the days of construction of the Life Plan
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Updating life plans according to new realities and local capacities

Activity ID	A-13
Indicator ID	A-13.1
Indicator name	Indigenous land use plans drawn up
Type	Product
Goal	At least one (1) Land Use Plan is drawn up.
SDGs to be met	SDG13 (emission reduction), SDG15 (protection of forest habitats) as it discourages deforestation)
Unit of measurement	# of management plans
Monitoring methodology	The preparation of the Territorial Planning Plans Developed is verified.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Programs or entities
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> Documents of Territorial Planning Plans. Lists of attendance at the days of construction of the management plan. Reports
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Land use planning processes at the territorial level allow the generation of conservation priorities, and zoning of productive activities and guidelines for exercising territorial governance

Activity ID	A-13
Indicator ID	A-13.2
Indicator name	Land use plans under implementation
Type	Result

Goal	The implementation of at least 1 Territorial Management Plan begins.
SDGs to be met	SDG13 (emission reduction), SDG15 (protection of forest habitats) as it discourages deforestation)
Unit of measurement	Number
Monitoring methodology	For the report of this indicator, the number of Plans of Ordering that are in implementation will be considered.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Programs or entities
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> Records of actions for the execution of Indigenous Life Plans. Photographic record and/or videos. Reports
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Implementation of plans allows feedback on planning processes and strengthens the capacity of forest governance and control of deforestation

Activity ID	A-14
Indicator ID	A-14.1
Indicator name	Trainings, meetings or training sessions on environment and conservation.
Type	Result
Goal	Strengthen the capacities of community members to manage environmental and territorial conservation
SDGs to be met	SDG6 (water resource management and sanitation), SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of trainings, meetings or training days
Monitoring methodology	The people of the community who attend the days of training or meetings for environmental management and conservation of the territory I quantified and reported.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Programs or entities
Result of the indicator in the monitoring period	1 community strengthening activity related to collective rights and the environment, also associated with the problem of pollution of the Tillavá River

Documents to support information	<ul style="list-style-type: none"> • Lists of attendance at the conference. • Meeting minutes and photographic record of the training sessions for the management of traditional production systems. • Photographic record and/or videos. • Report of the Ombudsman's Office - Format for preparing information for accountability. See <i>Workshop – Monitoring folder, monitoring evidence subfolder.</i>
Remarks	From the fourth year
Source of Funding	
Contribution to REDD+ objectives	Strengthening the capacities of members of the territory to achieve conservation objectives

Activity ID	A-15
Indicator ID	A-15.1
Indicator name	People who participate in awareness-raising, meetings or days of training on biodiversity and deforestation control.
Type	Result
Goal	Strengthen the capacities of community members for the Biodiversity monitoring and deforestation control
SDGs to be met	SDG13 (emission reduction), SDG15 (protection of forest habitats as it discourages deforestation)
Unit of measurement	# of people
Monitoring methodology	The attendees to the awareness days, training or meetings on biodiversity monitoring and control of deforestation are quantified.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	55 people
Documents to support information	<ul style="list-style-type: none"> • Lists of attendance at the conference for the identification of the causes and agents of deforestation, management of natural resources, management of equipment and techniques for monitoring biodiversity, conflict resolution. • Minutes of the meeting and photographic record of the days of training for the identification of the causes and agents of deforestation, management of natural resources, management of equipment and techniques for monitoring biodiversity, resolution of Conflicts
Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Generation of awareness processes on the importance of conserving the forest and biodiversity

Activity ID	A-15
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Indicator ID	A-15.2
Indicator name	Women who participate in awareness-raising, meetings or days of training
Type	Result
Goal	Strengthen the capacities of women in communities for Biodiversity monitoring and deforestation control
SDGs to be met	SDG5 (women's participation), SDG13 (emission reductions), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	# of women
Monitoring methodology	The number of women attending the days of awareness-raising, training or meetings on biodiversity monitoring and deforestation control.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	5 women
Documents to support information	<ul style="list-style-type: none"> • Lists of attendance at the conference for the identification of the causes and agents of deforestation, management of natural resources, management of equipment and techniques for monitoring biodiversity, conflict resolution. • Minutes of the meeting and photographic record of the days of training for the identification of the causes and agents of deforestation, management of natural resources, management of equipment and techniques for monitoring biodiversity, resolution of Conflicts
Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Active participation of women in awareness-raising processes on the importance of conserving the forest and biodiversity

Activity ID	A-15
Indicator ID	A-15.3
Indicator name	Document of constitution or formalization of the Ranger Group of Families or Indigenous Guard
Type	Product
Goal	Formalize the group of rangers or the indigenous guard.
SDGs to be met	SDG13 (emission reduction), SDG15 (protection of forest habitats) as it discourages deforestation)
Unit of measurement	Number
Monitoring methodology	Number of documents of incorporation and formalization of the Group of Ranger and/or Indigenous Guard families.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra

Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Documents of formalization and constitution of the Group of Ranger Families and / or Indigenous Guard. • Meeting minutes. • Reports
Remarks	From third year
Source of Funding	
Contribution to REDD+ objectives	Establishment of forest monitoring groups to discourage forest degradation, to detect deforestation threats and to promote environmental education processes

Activity ID	A-16
Indicator ID	A-16.1
Indicator name	# hectares of standing forest
Type	Impact
Goal	Monitoring the progress of deforestation
SDGs to be met	SDG13 (emission reduction), SDG15 (forest habitat protection which discourages deforestation)
Unit of measurement	Number
Monitoring methodology	Evaluation of forest and non-forest maps according to methodology PROCLIMA
Monitoring frequency	Annually
Responsible of the measurement	<ul style="list-style-type: none"> • Carbo-Terra
Indicator result in the monitoring period	14,027.1 hectares (December 2020)
Documents to support information	<ul style="list-style-type: none"> • Analysis of deforestation from maps; <i>Maps folder</i> • Calculations of deforestation and deforestation rates. View <i>Maps folder</i>
Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Monitoring deforestation through remote sensing

Activity ID	A-16
Indicator ID	A-16.2
Indicator name	# of tons of CO ₂ e not emitted
Type	Impact
Goal	Reduce carbon emissions
SDGs to be met	SDG13 (emission reduction), SDG15 (forest habitat protection now which discourages deforestation)
Unit of measurement	Tons (tCO ₂ e)
Monitoring methodology	For the measurement and reporting of this indicator, the area of standing forest present in the territory of the indigenous reservations was identified and estimated using Geographic Information Systems and satellite images. of remote sensors.

Monitoring frequency	Annually
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	252,445 tCO ₂ e discounting uncertainty of estimates
Documents to support information	<ul style="list-style-type: none"> • Use of IDEAM non-forest forest maps (SMBByC) • Use of NREF emission factors • Calculation media: <i>see Maps folder</i>
Remarks	
Source of Funding	
Contribution to REDD+ objectives	Monitoring deforestation through remote sensing using emission factors for the estimation of tons of carbon emitted or not emitted

Activity ID	A-16
Indicator ID	A-16.3
Indicator name	# of people employed full-time by project activities
Type	Impact
Goal	Employ community members in biodiversity monitoring and follow-up activities
SDGs to be met	SDG13 (emission reduction), SDG15 (protection of forest habitat as it discourages deforestation)
Unit of measurement	Number
Monitoring methodology	Number of people employed full-time by project activities related to the monitoring component.
Monitoring frequency	Annually
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> • Contracts concluded with members of the community. • Payment records.
Remarks	
Source of Funding	Carbo-Terra
Contribution to REDD+ objectives	Indicator of community participation in deforestation monitoring processes

3.3. REDD+ safeguards

The following is the monitoring plan for each applicable safeguard:

Safeguard ID	SVG-1
Indicator ID	SVG-1.1
Indicator name	Correspondence with national legislation
Type	Result
Goal	100%

Unit of measurement	Percentage
Monitoring methodology	The verification of the current regulations is carried out and it is verified that the proposed activities comply with it. For the monitoring and reporting of this indicator, the following equation will be used: $\frac{\# \text{ of activities that comply with regulations}}{\# \text{ of total activities}} \times 100\%$
Monitoring frequency	Annually or when a change in project activities is proposed
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	100%
Documents to support information	<ul style="list-style-type: none"> • Analysis of legal correspondence by project activities. • Attendance lists, meeting minutes, photographic record, and recordings of community meetings. • Records.
Remarks	All project activities have been carried out in compliance with the relevant regulations and legal aspects.

Safeguard ID	Safeguard 2
Indicator ID	SVG - 2
Indicator name	Transformation and access to information
Type	Result
Goal	100% of the documents in appropriate language and according to the appropriate means for access and understanding by the community.
Unit of measurement	Percentage (%) of documents available
Monitoring methodology	Access to information in language and media appropriate to the community will be verified. The number of community leaders who have access to the documents developed will be verified. For the monitoring of this safeguard and reporting of this indicator, the following equation will be used: $\frac{\# \text{ of community leaders with access to information}}{\# \text{ of total community leaders}} * 100\%$
Monitoring frequency	Annual
Responsible for the measurement	Carbo-Terra
Result of the indicator in the monitoring period	100%
Documents for Support information	<ul style="list-style-type: none"> • Documents generated, including minutes and memories of workshops, interviews and surveys • Workshop attendance lists
Remarks	The captains of the Indigenous Reservation participating in the project have information in appropriate language and media.

Safeguard ID	Safeguard -3
Indicator ID	SVG-3
Indicator name	Accountability
Type	Product

Goal	Submit an accountability report within 6 months of the verification process.
Unit of measurement	Number
Monitoring methodology	The generation of accountability reports by the project implementer will be taken into account. Reporting and accountability sessions will be held with stakeholders each time audits of project activities are carried out.
Monitoring frequency	Within 6 months after the verification processes or audits of the project activities.
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Not applicable
Documents to support information	<ul style="list-style-type: none"> Meeting minutes, attendance list and photographic record. Reports.
Remarks	

Safeguard ID	Safeguard 4
Indicator ID	SVG - 4
Indicator name	Recognition of forest governance structures
Type	Impact
Goal	Guarantee the recognition of the forest governance structures determined by law and those established by the authorities of the Reservation so that they attend to ethnic particularities, knowledge and traditions of the indigenous reservation participating in the project.
Unit of measurement	Number (#) of recognised governance structures
Monitoring methodology	The number of recognized community governance structures is identified.
Monitoring frequency	Annual
Responsible for the measurement	Carbo-Terra
Indicator result in the monitoring period	1
Documents for Support information	<ul style="list-style-type: none"> Surveys Documented forest governance structures
Remarks	Currently the reservation has a structure for decision-making that is recognized and used by the project.

Safeguard ID	Safeguard -5
Indicator ID	SVG-5
Indicator name	Capacity building
Type	Result
Goal	Increase the technical, legal and administrative capacities of members of indigenous reservations
Unit of measurement	Number (#) of days carried out
Monitoring methodology	Thematic training sessions (technical, legal and administrative) will be held, and tests will be applied at the end of the training sessions in

	order to evaluate the adoption of knowledge by community members, and the results obtained will be reported.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Community members
Indicator result in the monitoring period	No applies
Documents to support information	<ul style="list-style-type: none"> • Minutes and reports of the conferences held. • Attendance lists, • questionnaires to the community, • Photographic record
Remarks	From the third year.

Safeguard ID	Safeguard 6
Indicator ID	SVG - 6
Indicator name	Free, Prior and Informed Consent
Type	Result
Goal	Guarantee the realization of consultation spaces in accordance with the national provisions on consultation and prior, free and informed consent established in legislation and jurisprudence, as well as by the guidelines given by the Ministry of the Interior and the control bodies for relations with indigenous communities.
Unit of measurement	Number (#) of consultation days or documents and free, prior and informed consent
Monitoring methodology	There will be conferences and documents that demonstrate the consent of the members of the community and the number of activities carried out will be reported.
Monitoring frequency	Annual
Responsible for the measurement	Carbo-Terra
Result of the indicator in the monitoring period	6 (3 voluntary participation agreements signed by community representatives, 3 days of workshops)
Documents for Support information	<ul style="list-style-type: none"> • Minutes and reports of the conferences held. • Attendance lists, • Documents • Audiovisual record
Remarks	

Safeguard ID	Safeguard -7
Indicator ID	SVG-7
Indicator name	Respect for traditional knowledge
Type	Result
Goal	Ensure that the ways of understanding and relating to the environment of the communities have been taken into consideration and respected, so that the traditions, uses and customs of the communities are not affected.
Unit of measurement	# of consultation days/meetings

Monitoring methodology	The days of consultation with community members related to project activities are quantified.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	4 days of consultation with the community
Documents to support information	Evidence of relationship and consultation with communities (minutes of meetings, lists of participants, audiovisual record)
Remarks	

Safeguard ID	Safeguard -8
Indicator ID	SVG-8
Indicator name	Distribution of benefits
Type	Impact
Goal	Ensure the equitable distribution of the benefits derived from the implementation of the policies, measures and actions of the project.
Unit of measurement	COP
Monitoring methodology	Considering that there is a mechanism for the distribution of resources derived from the commercialization of carbon certificates agreed with the communities, a record will be kept of the resources received by the indigenous reservations.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra Captaincy
Indicator result in the monitoring period	Not applicable
Documents to support information	Resource sharing agreement defined and signed. Financial supports or economic transactions.
Remarks	From the moment the carbon certificates of the project are commercialized.

Safeguard ID	Safeguard -9
Indicator ID	SVG-9
Indicator name	Land rights
Type	Result
Goal	Guarantee respect for the collective and individual territorial rights of the community of the indigenous reservation of El Tigre; its use and cultural, economic and spiritual significance.
Unit of measurement	Compliance or non-compliance
Monitoring methodology	The regulations issued on territorial rights for protection are reviewed and respect for these is verified.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Complies

Documents to support information	Meetings, workshops Records.
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Safeguard ID	SVG-10
Indicator ID	SVG-10
Indicator name	Participation
Type	Result
Goal	Ensure full and effective stakeholder participation to guarantee governance and proper decision-making on REDD+
Unit of measurement	Compliance or non-compliance
Monitoring methodology	The participation of community members in the development of all phases of the project will be verified to ensure the exercise of their free participation and governance.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Complies
Documents to support information	Evidence of relationship, participation and consultation with communities (minutes of meetings, lists of participants, photographic record)
Remarks	

Safeguard ID	SVG-11
Indicator ID	SVG-11
Indicator name	Conservation of forests and their biodiversity
Type	Impact
Goal	Ensure that the project does not undermine the conservation of forests and its biodiversity.
Unit of measurement	Compliance or non-compliance
Monitoring methodology	It will be assessed if the project activities do not affect stable forest area present in the project area, through the use of remote sensors and field verification, and that toxic substances are not dumped or used.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Complies
Documents to support information	<ul style="list-style-type: none"> • Generation of cartographic products • On-site observations
Remarks	

Safeguard ID	Safeguard -12
Indicator ID	SVG-12
Indicator name	Provision of environmental goods and services
Type	Impact

Goal	The activities do not directly or indirectly affect ecosystem services such as carbon storage, water regulation, food provision, among others.
Unit of measurement	Compliance or non-compliance
Monitoring methodology	The forest cover present in the territory of the indigenous reservation and the development of activities will be monitored to ensure that activities that affect biodiversity are not implemented.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Complies
Documents to support information	<ul style="list-style-type: none"> • Generation of cartographic products • Project activity reports. • On-site observations
Remarks	

Safeguard ID	SVG-13
Indicator ID	SVG-13
Indicator name	Environmental and territorial planning
Type	Result
Goal	Consolidate the instruments of territorial and environmental planning under a focus on conservation and sustainable management of the forest, recognizing the proper forms of management of the indigenous reservation.
Unit of measurement	Number
Monitoring methodology	The Environmental and Territorial Management Plans will be drawn up in accordance with the forms of management of the indigenous reservations participating in the project. The implementation of these plans will also be monitored.
Monitoring frequency	Annual
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Not applicable
Documents to support information	Documents of Territorial Planning Plans developed
Remarks	These activities will be developed within the framework of the project from the fourth year.

Safeguard ID	Safeguard -15
Indicator ID	SVG-15
Indicator name	Forest control and surveillance to prevent the displacement of emissions
Type	Result
Goal	Perform monitoring actions to detect the displacement of emissions.
Unit of measurement	tCO _{2e}

Monitoring methodology	GHG emissions in the leakage area of the project that are above the baseline are quantified.
Monitoring frequency	Annually
Responsible of the measurement	Carbo-Terra
Indicator result in the monitoring period	Complies
Documents to support information	<ul style="list-style-type: none"> • Satellite images. • Analysis of change of coverages.
Remarks	No emissions were increased above baseline in the leakage area during the monitoring period.

3.4. Permanence of the project

Monitoring report of the Permanence of the project for the period between 2019-2020:

Identified Risk	Monitoring Indicators	Frequency of Monitoring	Results during the 2019 monitoring period	Results during the 2020 monitoring period
Fires	M.1. # of fires detected	Annual	No fires were detected.	No fires were detected.
	M.2. # of hectares affected by fires	Annual	No fires were detected.	No fires were detected.
Floods	M.3 # of hectares affected by flooding	Annual	No flooding was detected.	No flooding was detected.
Land tenure disputes	M.4 # hectares subject to land tenure dispute	Annual	There were no land tenure disputes.	There were no land tenure disputes.
Non-appropriation of project activities	M.5. # of REDD+ activities that cannot be implemented due to lack of ownership by project actors.	Annual	The programmed activities were developed in a timely manner.	The programmed activities were developed in a timely manner.

3.5. Project risks

Monitoring report of the materialization of the environmental, social and financial risks defined for the project from 2019 to 2020:

Risk	Results during the 2019 monitoring period	Results during the 2020 monitoring period
Weakening of the governance structures defined by the indigenous reservation	There was no weakening of governance structures	There was no weakening of governance structures

Risk	Results during the 2019 monitoring period	Results during the 2020 monitoring period
Community dissatisfaction with the implementation of the REDD+ project	No community dissatisfaction was reported	No community dissatisfaction was reported
Economic dependence on revenues generated by the marketing of CCVs	No economic dependence was reported on the income derived from the sale of CCV	No economic dependence was reported on the income derived from the sale of CCV
Cultural changes (e.g. loss of traditional IR practices)	No cultural changes were reported due to the implementation of the project	No cultural changes were reported due to the implementation of the project
Extreme weather events (e.g. floods, mass removal events, etc.)	There were no extreme weather events	There were no extreme weather events
Displacement of deforestation and degradation actions by project implementation	During the monitoring period, the displacement of deforestation and degradation actions in the leakage area was lower than estimated in the baseline scenario	During the monitoring period, the displacement of deforestation and degradation actions in the leakage area was lower than estimated in the baseline scenario
Fires of anthropic origin	No fires detected	No fires detected
Pests and diseases in production systems	No pests and diseases were reported	No pests and diseases were reported
The project reaches the break-even point after more than 5 years	There were no changes in the financial model of the project	There were no changes in the financial model of the project
Change in market prices of CCVs	There were no variations in the prices of CCVs	There were no variations in the prices of CCVs
Annual budget deficit	No annual budget deficit reported	No annual budget deficit reported
Delays in the implementation of project activities due to poor budget programming	There were no delays in the implementation of project activities	There were no delays in the implementation of project activities
The project ensures a financing percentage of less than 50%	The percentage of secured financing did not change (it remained above 85%)	The percentage of secured financing did not change (it remained above 85%)
Financial viability of the project	The project maintained its financial viability	The project maintained its financial viability

3.6. Project emissions

3.6.1. Activity data

3.6.1.1. Annual deforestation in the project area

It is estimated with the following equation:

$$CSB_{proy,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{REDD+proy,1} - A_{REDD+proy,2})$$

$$CSB_{proy,year} = \left(\frac{1}{2020 - 2018} \right) \times (14,132.9 - 14,027.1)$$

$$CSB_{proy,year} = 39.68 \text{ ha}$$

Where:

$CSB_{proy,year}$	=	Annual change in forest area in project area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
$A_{REDD+proy,1}$	=	Forest area, in the project area at the beginning of the monitoring period (ha)
$A_{REDD+proy,2}$	=	Forest area, in the project area at the end of the monitoring period (ha)

3.6.1.2. Annual deforestation in the leakage area

It is calculated from the following equation:

$$CSB_{f,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{f,1} - A_{f,2})$$

$$CSB_{f,year} = \left(\frac{1}{2020 - 2018} \right) \times (8,695.7 - 8,559.4)$$

$$CSB_{f,year} = 136.33 \text{ ha}$$

Where:

$CSB_{f,year}$	=	Annual change in forest cover area in leakage area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
$A_{f,1}$	=	Forest area, in the leakage area at the beginning of the monitoring period (ha)
$A_{f,2}$	=	Forest area, in the leakage area at the end of the monitoring period (ha)

3.6.1.3. Annual degradation in the project area

It is estimated with the following equations:

$$DFP_{REDD+proy,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{nucleo} - A_{nucleo-parche})$$

$$DFP_{REDD+proy,year} = \left(\frac{1}{2020 - 2018} \right) \times (0.6)$$

$$DFP_{REDD+proy,year} = 0.23 \text{ ha}$$

Where:

$DFP_{REDD+proy,year}$	=	Annual primary degradation in the project area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
A_{nucleo}	=	Project area in core class at the start of the monitoring period (ha)
$A_{nucleo-parche}$	=	Area of the project that changes from kernel to patch at the end of the monitoring period (ha)

$$DFS_{REDD+proy,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{perforado} - A_{perforado-parche})$$

$$DFS_{REDD+proy,year} = \left(\frac{1}{2020 - 2018} \right) \times (319.2)$$

$$DFS_{REDD+proy,year} = 119.7 \text{ ha}$$

Where:

$DFS_{REDD+proy,año}$	=	Annual secondary degradation in the project area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
$A_{núcleo}$	=	Project area in drilled class at the start of the monitoring period (ha)
$A_{núcleo-parche}$	=	Area of the project that changes from drilled to patch at the end of the monitoring period (ha)

3.6.1.4. Annual degradation in the leakage area

It is estimated with the following equations:

$$DFP_{f,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{núcleo,f} - A_{núcleo-parche,f})$$

$$DFP_{f,year} = \left(\frac{1}{2020 - 2018} \right) \times (29.28)$$

$$DFP_{f,year} = 10.98 \text{ ha}$$

Where:

$DFP_{f,año}$	=	Annual primary degradation in leakage area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
$A_{núcleo,f}$	=	Leakage area in core class at the start of the monitoring period (ha)
$A_{núcleo-parche,f}$	=	Leak area that changes from core to patch at the end of the monitoring period (ha)

$$DFS_{f,year} = \left(\frac{1}{t_2 - t_1} \right) \times (A_{perforado,f} - A_{perforado-parche,f})$$

$$DFS_{f,year} = \left(\frac{1}{2020 - 2018} \right) \times (289.8)$$

$$DFS_{f,year} = 108.7 \text{ ha}$$

Where:

$DFS_{f,year}$	=	Annual secondary degradation in leakage area (ha)
t_2	=	End year of monitoring period
t_1	=	Initial year of the monitoring period
$A_{núcleo,f}$	=	Leakage area in drilled class at the beginning of the monitoring period (ha)
$A_{núcleo-parche,f}$	=	Leak area that changes from perforated to patch at the end of the monitoring period (ha)

3.6.2. GHG emissions in the monitoring period

3.6.2.1. Deforestation

The annual emission from deforestation in the project area is calculated from the following equation:

$$EA_{REDD+proy,year} = DEF_{REDD+proy,year} \times tCO_{2e}$$

$$EA_{REDD+proy,año} = 39.6 \times 196$$

$$EA_{REDD+proy,año} = 7,777.7 \text{ tCO}_2e$$

Where:

$$\begin{aligned} EA_{REDD+proy,año} &= \text{Annual emission in the project area (tCO}_2\text{/ha)} \\ DEF_{REDD+proy,año} &= \text{Annual deforestation in the project area (ha)} \\ tCO_{2eq} &= \text{Total carbon dioxide equivalent (tCO}_2e\text{/ha)} \end{aligned}$$

The annual emission from deforestation in the leakage area is calculated from the following equation:

$$EA_{f,year} = (DEF_{f,year} \times tCO_{2eq}) - EA_{lb,f,year}$$

$$EA_{f,year} = (51.12 \times 194) - 26,731$$

$$EA_{f,año} = -16,711.4$$

Where:

$$\begin{aligned} EA_{Rf,año} &= \text{Annual emission in the leakage area (tCO}_2\text{/ha)} \\ DEF_{f,año} &= \text{Annual deforestation in the leakage area (ha)} \\ tCO_{2eq} &= \text{Total carbon dioxide equivalent (tCO}_2e\text{/ha)} \\ EA_{lb,f,año} &= \text{Annual emission from deforestation in the leakage area under baseline scenario (tCO}_2e) \end{aligned}$$

3.6.2.2. Degradation

The annual emission due to degradation in the project area is calculated from the following equation:

$$EA_{REDD+proy,year} = (DFP_{REDD+proy,year} \times DTBCO_{2eq,1}) + (DFS_{REDD+proy,year} \times DTBCO_{2eq,2})$$

$$EA_{REDD+proy,year} = (0.23 \times 79.7) + (119.73 \times 59.3)$$

$$EA_{REDD+proy,año} = 7,114.4 \text{ tCO}_2e$$

Where:

$$\begin{aligned} EA_{REDD+proy,year} &= \text{Annual emission in the project area for the monitored period (tCO}_2\text{/ha)} \\ DFP_{REDD+proy,year} &= \text{Annual primary degradation in the project area (ha)} \\ DTBCO_{2eq,1} &= \text{Carbon dioxide equivalent contained in the difference total biomass per hectare in the primary degradation class (tCO}_2e\text{/ha)} \\ DFS_{REDD+proy,year} &= \text{Annual secondary degradation in the project area (ha)} \end{aligned}$$

$$DTBCO_{2eq,2} = \text{Carbon dioxide equivalent contained in the difference total biomass per hectare in the secondary degradation class (tCO}_2\text{e/ha)}$$

The annual degradation emission in the leakage area is calculated from the following equation:

$$EA_{f,year} = (DFP_{f,year} \times DTBCO_{2eq,1}) + (DFS_{f,year} \times DTBCO_{2eq,2})$$

$$EA_{f,year} = (10.98 \times 79.7) + (108.7 \times 59.3)$$

$$EA_{f,year} = 7,317.35 \text{ tCO}_2\text{e}$$

Where:

$EA_{f,year}$	=	Annual emission in the leakage area for the monitored period (tCO ₂ /ha)
$DFP_{f,year}$	=	Annual primary degradation in leakage area (ha)
$DTBCO_{2eq,1}$	=	Carbon dioxide equivalent contained in the difference total biomass per hectare in the primary degradation class (tCO ₂ e/ha)
$DFS_{f,year}$	=	Annual secondary degradation in leakage area (ha)
$DTBCO_{2eq,2}$	=	Carbon dioxide equivalent contained in the difference total biomass per hectare in the secondary degradation class (tCO ₂ e/ha)

3.6.3. Quantification of the project's emission reductions

3.6.3.1. Deforestation

The reduction of emissions from avoided deforestation, in the monitoring period, is estimated according to the equation:

$$RE_{DEF,REDD+proy} = (t_2 - t_1) \times (EA_{DEF,lb,year} - EA_{DEF,REDD+proy,year} - EA_{DEF,f,year})$$

$$RE_{DEF,REDD+proy} = (2020 - 2018) \times (304,534.3 - 20,740.7 - 0)$$

$$RE_{DEF,REDD+proy} = 106,422.6 \text{ tCO}_2\text{e}$$

Where:

$RE_{DEF,REDD+proy}$	=	Reduction of emissions from avoided deforestation in the project scenario (tCO ₂ e)
t_2	=	End year of the reference period
t_1	=	Initial year of the reference period
$EA_{DEF,lb,year}$	=	Annual emission from deforestation in the baseline scenario (tCO ₂ e)
$EA_{DEF,REDD+proy,year}$	=	Annual emission from deforestation in the project area (tCO ₂ e)
$EA_{DEF,f,year}$	=	Annual emission from deforestation in the leakage area (tCO ₂ e)

3.6.3.2. Degradation

The reduction in emissions from avoided degradation is estimated from the following equation:

$$RE_{DEG,REDD+proy} = (t_2 - t_1) \times (EA_{DEG,lb,year} - EA_{DEG,REDD+proy,year} - EA_{DEG,f,year})$$

$$RE_{DEG,REDD+proy} = (2020 - 2018) \times (39,821 - 18,971.9 - 0)$$

$$RE_{DEG,REDD+proy} = 7,818.5 \text{ tCO}_2\text{e}$$

Where:

$RE_{DEG,REDD+proy}$	=	Reduction of emissions due to avoided degradation in the project scenario (tCO ₂ e)
t_2	=	End year of the reference period
t_1	=	Initial year of the reference period
$EA_{DEG,lb,year}$	=	Annual emission of degradation in the baseline scenario (tCO ₂ e)
$EA_{DEG,REDD+proy,year}$	=	Annual emission of degradation in the project area (tCO ₂ e)
$EA_{DEG,f,year}$	=	Annual emission of degradation in the leakage area (tCO ₂ e)

3.6.3.3. Reduction of total project emissions

The total reduction in emissions from deforestation and degradation avoided during the 2018-2020 monitoring period is estimated from the following equation:

$$RE_{tot+proy} = RE_{DEF,REDD+proy} + RE_{DEG,REDD+proy}$$

$$RE_{tot+proy} = 259,432.3 + 18,898.2$$

$$RE_{tot+proy} = 278,330.6 \text{ tCO}_2e$$

Where:

- $RE_{tot+proy}$ = Reduction of total emissions from deforestation and degradation avoided in the project scenario (tCO₂e)
 $RE_{DEF,REDD+proy}$ = Reduction of emissions from avoided deforestation in the project scenario (tCO₂e)
 $RE_{DEG,REDD+proy}$ = Reduction of emissions due to avoided degradation in the project scenario (tCO₂e)

On the other hand, considering the uncertainty associated with the estimation of the reduction of GHG emissions by the implementation of the project and subject to reductions, the reduction of emissions for the monitoring period is:

CONCEPT / ACTIVITY	AVOIDED DEFORESTATION	DEGRADATION AVOIDED	TOTAL
Total reductions monitoring period	259,432	18,898	278,330
Reductions - Uncertainty 9.2% (tCO ₂ e)	24,127	1,758	25,885
TOTAL Reductions in monitoring period	235,305	17,140	252,445